rosemann & ASSOCIATES P.C.

ARCHITECTURE
INTERIOR DESIGN
ENGINEERING
PLANNING

Specifications

For:

TownePlace Suites

1810 NE Douglas St.
Lee's Summit, MO 64064

Basis of Design - Book 2 of 2
Volume 2 of 2

Owner:
Intrinsic Development
3622 Endeavor Ave. Ste 101
Columbia, MO 65201

Project No.: 23098
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DENVER ▲ KANSAS CITY ▲ ST. LOUIS ▲ ATLANTA

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DPLS_TPS_Opening Soon signage - Classic MSB

US & Canada

TownePlace Suites New Build Public Space Building Product Manual

Generation 5 - 89K & 112K

New Build

Real Living Decor Package

globaldesignstrategies

designguidelines

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TownePlace Suites New Build Public Space Building Product Manual

Generation 5 - 89K & 112K

New Build

Real Living Decor Package

Revision Log

Revision #	Date	Description
1	Nov 23, 2022	2022 Product and Vendor Updates
	Aug 30, 2021	First publication to LOBO utilizing new spec tool: MIspecs

TownePlace Suites New Build Public Space Building Product Manual, Generation 5 - 89K & 112K New Build
Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Doors

Ref	ID	Description
DR-004-A1-AC	Interior Door, Wood, Painted	Two-Panel Interior Stile and Rail Wood Door with Painted Finish
DR-004-A1-MA	Door, Wood	Two Panel, Interior Stile & Rail Wood Door, High Density Fiberboard (HDF) Faces and Edges, Painted Finish.
DR-004-A1-VT	Door, Wood	Two Panel, Interior Stile & Rail Wood Door, High Density Fiberboard (HDF) Faces and Edges, Painted Finish.
DR-004-AC	Interior Door, Wood, Thermofused Melamine	Two-Panel Interior Stile and Rail Wood Door with Thermoset Decorative Overlay (Thermofused Melamine)
DR-005-A1-LD	Door, Wood	Flush Door, 5-Ply with High-pressure decorative laminate finish
DR-005-A1-MA	Door, Wood	Flush Door, 5-Ply with high-pressure decorative laminate finish
DR-005-A1-VT	Door, Wood	Flush Door, 5-Ply with high-pressure decorative laminate finish
DR-005-LD	Door, Wood	Flush Door, 5-Ply with painted finish
DR-005-MA	Door, Wood	Flush Door, 5-Ply with painted finish
DR-005-VT	Door, Wood	Flush Door, 5-Ply with painted finish
DR-006-A1-AC	Interior Door, Wood, Painted	One-Panel Interior Stile and Rail Wood Door with Painted Finish
DR-006-A1-MA	Door, Wood	One Panel, Interior Stile & Rail Wood Door, High Density Fiberboard (HDF) Faces and Edges, Painted Finish.
DR-006-A1-VT	Door, Wood	One Panel, Interior Stile & Rail Wood Door, High Density Fiberboard (HDF) Faces and Edges, Painted Finish.
DR-006-AC	Interior Door, Wood, Thermofused Melamine	One-Panel Interior Stile and Rail Wood Door with Thermoset Decorative Overlay (Thermofused Melamine)
DR-007-CE	Hollow metal door	Flush, fire and/or temperature-rise-rated
DR-007-CU	Hollow metal door	Flush, fire and/or temperature-rise-rated
DR-007-RDF	Hollow metal door	Flush, fire and/or temperature-rise-rated
DR-007-SC	Hollow metal door	Flush, fire and/or temperature-rise-rated
DR-008-AC	Wood Door, Sliding and window assembly	Four Lite Barn Door: SS (Square Sticking), Window/Fixed Partition: SS (Square Sticking), with white laminated glass
DR-008-RD	Wood Door, Sliding and window assembly	1-Panel Sliding Doors with soft-close, One Side Overlap, Standard Style, Custom Vertical Lattice Window/fixed panel with Custom Vertical Lattice to match sliding door
DR-009-RD	Wood Door, Sliding	1-Panel Sliding Pocket Door with soft-close, One Side Overlap, Standard

Ref	ID	Description
	Pocket	Style, Custom Horizontal Slats as shown in Design Guideline Drawings

Door Frames

Ref	ID	Description
DF-001-CE	Hollow Metal Frame	Standard steel frames for Door openings wider than 48 inches; Level 2 & 3 steel doors; Wood doors, unless otherwise indicated.
DF-001-CU	Hollow Metal Frame	Standard steel frames for Door openings wider than 48 inches; Level 2 & 3 steel doors; Wood doors, unless otherwise indicated.
DF-001-RDF	Hollow Metal Frame	Standard steel frames for Door openings wider than 48 inches; Level 2 & 3 steel doors; Wood doors, unless otherwise indicated.
DF-001-SC	Hollow Metal Frame	Standard steel frames for Door openings wider than 48 inches; Level 2 & 3 steel doors; Wood doors, unless otherwise indicated.
DF-004-EZ	Door frame, concealed frameless	Concealed split door frame system with concealed hinges

Door Hardware

Ref	ID	Description

T10_Interior Stairs

Ref	ID	Description
DH-003-YA_T10	Door Closer	Architectural Door Closer with cover; parallel arm configuration
DH-007-PK_T10	Door seal	Fire/smoke gasketing, adhesive-backed
DH-022-MK_T10	Hinge	Five knuckle standard weight hinge
DH-041-SG_T10	Latchset	10 Line Cylindrical latch set
DH-043-TM_T10	Door Stop	Cast brass floor stop
DH-045-RX_T10	Door holder/release	Wall-mounted door holder

T15A_Interior Vestibule Entry

Ref	ID	Description
DH-018-SA_T15A	Remote RFID Reader	Stand-alone remote RFID reader to control electronic access control devices in perimeter areas, common areas, and restricted areas.
DH-025-SA_T15A	Exit push button for automatic sliding door	Flush-mounted Exit Pushbutton
DH-026-SL_T15A	Key switch	Key switch for automatic sliding doors
DH-027-SG_T15A	Lock cylinder	Mortise lock cylinder, 6-pin
DH-029-SA_T15A	Power Supply	Boxed power supply unit for electronic door hardware
DH-030-AI_T15A	Intercom/ remote door control system	Audio door answering and door release system • Simple door answering (1 door) • Electronic call tone from door station • Press-to-talk communication at master • Hands free communication at door • Monitor entry area undetected from inside • Voice and call tone volume controls • Variety of remote stations available • Door release • Simple 2 conductor wiring between door and master station (with separate 2 conductor wiring for door release)

T16_Elec_Server Closet_Hskp Storage_Laundry Storage

Ref	ID	Description
DH-006-TM_T16	Door Stop	Wrought concave wall bumper
DH-007-PK_T16	Door seal	Fire/smoke gasketing, adhesive-backed
DH-009-YA_T16	Door closer	Heavy-Duty Non-Hold Open Parallel Arm with Removable Stop, Adjustable Size
DH-016-SA_T16	Entry Lock (less deadbolt)	Electronic mortise lockset with 1" (25.4mm) and 5/8" (15.9mm) dead-locking latch bolt (LESS DEADBOLT)
DH-022-MK_T16	Hinge	Five knuckle standard weight hinge

T17_Linen Storage_Linen Chute_Storage

Ref	ID	Description
DH-003-YA_T17	Door Closer	Architectural Door Closer with cover; parallel arm configuration
DH-006-TM_T17	Door Stop	Wrought concave wall bumper
DH-007-PK_T17	Door seal	Fire/smoke gasketing, adhesive-backed
DH-016-SA_T17	Entry Lock (less deadbolt)	Electronic mortise lockset with 1" (25.4mm) and 5/8" (15.9mm) dead-locking latch bolt (LESS DEADBOLT)
DH-022-MK_T17	Hinge	Five knuckle standard weight hinge

T18_Elevator Machine Room

Ref	ID	Description
DH-003-YA_T18	Door Closer	Architectural Door Closer with cover; parallel arm configuration
DH-007-PK_T18	Door seal	Fire/smoke gasketing, adhesive-backed
DH-016-SA_T18	Entry Lock (less deadbolt)	Electronic mortise lockset with 1" (25.4mm) and 5/8" (15.9mm) dead-locking latch bolt (LESS DEADBOLT)
DH-022-MK_T18	Hinge	Five knuckle standard weight hinge
DH-042-TM_T18	Door Stop	Cast brass floor stop

T20_Lending Closet

Ref	ID	Description
DH-006-TM_T20	Door Stop	Wrought concave wall bumper
DH-007-PK_T20	Door seal	Fire/smoke gasketing, adhesive-backed
DH-046-SA_T20	Lock	Mortise lock with trim
DH-047-TM_T20	Flush Bolt	Flush Bolt, 2-point latching
DH-048-MK_T20	Hinge	Five Knuckle Standard Weight Hinge

T23_Mens_Womens_Employee Restroom

Ref	ID	Description
DH-003-YA_T23	Door Closer	Architectural Door Closer with cover; parallel arm configuration
DH-006-TM_T23	Door Stop	Wrought concave wall bumper
DH-007-PK_T23	Door seal	Fire/smoke gasketing, adhesive-backed
DH-022-MK_T23	Hinge	Five knuckle standard weight hinge
DH-049-TM_T23	Door trim - push/pull	Push plate and pull plate
DH-050-TM_T23	Deadbolt	Cylindrical Deadbolt
DH-051-RW_T23	Lockset, privacy, for guestroom baths and bedrooms	Cylindrical lockset, privacy function

T24_Fitness Center_Guest Laundry

Ref	ID	Description
DH-003-YA_T24	Door Closer	Architectural Door Closer with cover; parallel arm configuration
DH-006-TM_T24	Door Stop	Wrought concave wall bumper
DH-007-PK_T24	Door seal	Fire/smoke gasketing, adhesive-backed
DH-016-SA_T24	Entry Lock (less deadbolt)	Electronic mortise lockset with 1" (25.4mm) and 5/8" (15.9mm) dead-locking latch bolt (LESS DEADBOLT)
DH-022-MK_T24	Hinge	Five knuckle standard weight hinge

T25A_Pool Vesitbule to Corridor

Ref	ID	Description
DH-006-TM_T25A	Door Stop	Wrought concave wall bumper
DH-012-RX_T25A	Door closer	Concealed overhead door closer
DH-013-VD_T25A	Exit Device	Panic exit device, exit only (no outside trim), electric latch retraction
DH-014-SG_T25A	Lock cylinder	Rim cylinder, 6-pin configuration
DH-016-SA_T25A	Entry Lock (less deadbolt)	Electronic mortise lockset with 1" (25.4mm) and 5/8" (15.9mm) dead-locking latch bolt (LESS DEADBOLT)

T25B_Pool to Pool Vestibule

Ref	ID	Description
DH-006-TM_T25B	Door Stop	Wrought concave wall bumper
DH-012-RX_T25B	Door closer	Concealed overhead door closer
DH-013-VD_T25B	Exit Device	Panic exit device, exit only (no outside trim), electric latch retraction
DH-014-SG_T25B	Lock cylinder	Rim cylinder, 6-pin configuration
DH-018-SA_T25B	Remote RFID Reader	Stand-alone remote RFID reader to control electronic access control devices in perimeter areas, common areas, and restricted areas.

T25C_Pool Equipment

Ref	ID	Description
DH-007-PK_T25C	Door seal	Fire/smoke gasketing, adhesive-backed

Ref	ID	Description
DH-009-YA_T25C	Door closer	Heavy-Duty Non-Hold Open Parallel Arm with Removable Stop, Adjustable Size
DH-016-SA_T25C	Entry Lock (less deadbolt)	Electronic mortise lockset with 1" (25.4mm) and 5/8" (15.9mm) dead-locking latch bolt (LESS DEADBOLT)
DH-017-MK_T25C	Hinge	Five Knuckle Standard Weight Hinge with non-removable pin

T25D_Pool Storage

Ref	ID	Description
DH-006-TM_T25D	Door Stop	Wrought concave wall bumper
DH-007-PK_T25D	Door seal	Fire/smoke gasketing, adhesive-backed
DH-009-YA_T25D	Door closer	Heavy-Duty Non-Hold Open Parallel Arm with Removable Stop, Adjustable Size
DH-016-SA_T25D	Entry Lock (less deadbolt)	Electronic mortise lockset with 1" (25.4mm) and 5/8" (15.9mm) dead-locking latch bolt (LESS DEADBOLT)
DH-017-MK_T25D	Hinge	Five Knuckle Standard Weight Hinge with non-removable pin
DH-047-TM_T25D	Flush Bolt	Flush Bolt, 2-point latching

T29_General Manager from Welcome Desk

Ref	ID	Description
DH-006-TM_T29	Door Stop	Wrought concave wall bumper
DH-016-SA_T29	Entry Lock (less deadbolt)	Electronic mortise lockset with 1" (25.4mm) and 5/8" (15.9mm) dead-locking latch bolt (LESS DEADBOLT)
DH-044-TM_T29	Door Silencers	High Grade Rubber, Triangular

T30_Offices

Ref	ID	Description
DH-006-TM_T30	Door Stop	Wrought concave wall bumper
DH-016-SA_T30	Entry Lock (less deadbolt)	Electronic mortise lockset with 1" (25.4mm) and 5/8" (15.9mm) dead-locking latch bolt (LESS DEADBOLT)
DH-022-MK_T30	Hinge	Five knuckle standard weight hinge
DH-044-TM_T30	Door Silencers	High Grade Rubber, Triangular

T31_Food Prep_House Laundry_Engineer_Mechanical

Ref	ID	Description
DH-003-YA_T31	Door Closer	Architectural Door Closer with cover; parallel arm configuration
DH-006-TM_T31	Door Stop	Wrought concave wall bumper
DH-016-SA_T31	Entry Lock (less deadbolt)	Electronic mortise lockset with 1" (25.4mm) and 5/8" (15.9mm) dead-locking latch bolt (LESS DEADBOLT)
DH-022-MK_T31	Hinge	Five knuckle standard weight hinge
DH-044-TM_T31	Door Silencers	High Grade Rubber, Triangular

T33_Cross Corridor

Ref	ID	Description
DH-003-YA_T33	Door Closer	Architectural Door Closer with cover; parallel arm configuration
DH-006-TM_T33	Door Stop	Wrought concave wall bumper
DH-007-PK_T33	Door seal	Fire/smoke gasketing, adhesive-backed
DH-045-RX_T33	Door holder/release	Wall-mounted door holder
DH-052-MK_T33	Door hinge	Template-produced, standard weight ball-bearing hinge, swing-clear hingem stainless steel
DH-053-VD_T33	Exit Device	Rim panic exit device, with surface vertical rods, with outside lever trim

T33A_Cross Corridor Pocket Doors

Ref	ID	Description
DH-054-MR_T33A	Door hinge	Continuous swing-clear hinge
DH-055-AR_T33A	Exit Device, recessed for cross-corridor applications	Inset (recessed) rim panic exit device, with concealed vertical top rod, with outside trim, fire-rated.
DH-056-AR_T33A	Entry Trim	Exit device lever trim
DH-057-AR_T33A	Door closer, surface mounted, heavy-duty, parallel arm	Door closer, surface mounted, heavy-duty, parallel arm
DH-058-SG_T33A	Door holder/release	Wall-mounted door holder
DH-059-AR_T33A	Door seal	Fire/smoke gasketing, adhesive-backed
DH-060-RW_T33A	Door protection	Stainless steel kickplate

Ref	ID	Description
	plate	

T34_Flex - Refer to Door DR-008

Ref	ID	Description

T34B_Buffet

Ref	ID	Description
DH-063-RU_T32B	Pocket door hardware for Buffet door	Anodized aluminum track, ceiling-mounted with ball bearing upper roller
DH-064-RU_T34B	Soft-close system for Buffet pocket door	Manual spring-loaded soft close system for sliding pocket doors.
DH-065-RW_T34B	Pull	Offset door pull fabricated with 3/4" x 3/4" square tubing

T35_Dryers_Laundry Storage

Ref	ID	Description
DH-003-YA_T35	Door Closer	Architectural Door Closer with cover; parallel arm configuration
DH-006-TM_T35	Door Stop	Wrought concave wall bumper
DH-022-MK_T35	Hinge	Five knuckle standard weight hinge
DH-041-SG_T35	Latchset	10 Line Cylindrical Lock, P Lever and L Rose Trim
DH-044-TM_T35	Door Silencers	High Grade Rubber, Triangular

Automatic Entrance Doors_Beige Color Scheme

Ref	ID	Description
DR-001-A1-BE	Automatic Entrance Doors, Single Sliding	The system shall consist of sliding aluminum doors, sidelights, header, operator, and actuating controls. All components shall be factory assembled in the header, adjusted and tested.
DR-001-A1-HA	Automatic Entrance Doors,	The system shall consist of sliding aluminum doors, sidelights, header, operator, and actuating controls. All components shall be factory

Ref	ID	Description
	Single Sliding	assembled in the header, adjusted and tested.
DR-001-A1-REC	Automatic Entrance Doors, Single Sliding	The system shall consist of sliding aluminum doors, sidelights, header, operator, and actuating controls. All components shall be factory assembled in the header, adjusted and tested.
DR-001-A1-STA	Automatic Entrance Doors, Single Sliding	The system shall consist of sliding aluminum doors, sidelights, header, operator, and actuating controls. All components shall be factory assembled in the header, adjusted and tested.
DR-001-A2-BE	Automatic Entrance Doors, Single Sliding	The system shall consist of sliding aluminum doors, sidelights, header, operator, and actuating controls. All components shall be factory assembled in the header, adjusted and tested.
DR-001-A2-HA	Automatic Entrance Doors, Single Sliding	The system shall consist of sliding aluminum doors, sidelights, header, operator, and actuating controls. All components shall be factory assembled in the header, adjusted and tested.
DR-001-A2-REC	Automatic Entrance Doors, Single Sliding	The system shall consist of sliding aluminum doors, sidelights, header, operator, and actuating controls. All components shall be factory assembled in the header, adjusted and tested.
DR-001-A2-STA	Automatic Entrance Doors, Single Sliding	The system shall consist of sliding aluminum doors, sidelights, header, operator, and actuating controls. All components shall be factory assembled in the header, adjusted and tested.

Automatic Entrance Doors_Grey Color Scheme

Ref	ID	Description
DR-001-BE	Automatic Entrance Doors, Single Sliding	The system shall consist of sliding aluminum doors, sidelights, header, operator, and actuating controls. All components shall be factory assembled in the header, adjusted and tested.
DR-001-HA	Automatic Entrance Doors, Single Sliding	The system shall consist of sliding aluminum doors, sidelights, header, operator, and actuating controls. All components shall be factory assembled in the header, adjusted and tested.
DR-001-REC	Automatic Entrance Doors, Single Sliding	The system shall consist of sliding aluminum doors, sidelights, header, operator, and actuating controls. All components shall be factory assembled in the header, adjusted and tested.
DR-001-STA	Automatic Entrance Doors, Single Sliding	The system shall consist of sliding aluminum doors, sidelights, header, operator, and actuating controls. All components shall be factory assembled in the header, adjusted and tested.

Aluminum Storefront_Beige Color Scheme

Ref	ID	Description
AS-001-A1-EF / DR-002-A1-EF	Glazed Storefront & Entrance Doors	Interior and Exterior Aluminum Storefront Framing, Doors, Door Frames, Lights, and Fixed Windows
AS-001-A1-KA / DR-002-A1-KA	Glazed Storefront & Entrance Doors	Interior and Exterior Aluminum Storefront Framing, Doors, Door Frames, Lights, and Fixed Windows
AS-001-A1-OB / DR-002-A1-OB	Glazed Storefront & Entrance Doors	Interior and Exterior Aluminum Storefront Framing, Doors, Door Frames, Lights, and Fixed Windows

Ref	ID	Description
AS-001-A1-YK / DR-002-A1-YK	Glazed Storefront & Entrance Doors	Interior and Exterior Aluminum Storefront Framing, Doors, Door Frames, Lights, and Fixed Windows
AS-001-A2-EF / DR-002-A2-EF	Glazed Storefront & Entrance Doors	Interior and Exterior Aluminum Storefront Framing, Doors, Door Frames, Lights, and Fixed Windows
AS-001-A2-KA / DR-002-A2-KA	Glazed Storefront & Entrance Doors	Interior and Exterior Aluminum Storefront Framing, Doors, Door Frames, Lights, and Fixed Windows
AS-001-A2-OB / DR-002-A2-OB	Glazed Storefront & Entrance Doors	Interior and Exterior Aluminum Storefront Framing, Doors, Door Frames, Lights, and Fixed Windows
AS-001-A2-YK / DR-002-A2-YK	Glazed Storefront & Entrance doors	Interior and Exterior Aluminum Storefront Framing, Doors, Door Frames, Lights, and Fixed Windows

Aluminum Storefront_Grey Color Scheme

Ref	ID	Description
AS-001-EF / DR-002-EF	Glazed Storefront	Interior and Exterior Aluminum Storefront Framing, Doors, Door Frames, Lights, and Fixed Windows
AS-001-KA / DR-002-KA	Glazed Storefront	Interior and Exterior Aluminum Storefront Framing, Doors, Door Frames, Lights, and Fixed Windows
AS-001-OB / DR-002-OB	Glazed Storefront	Interior and Exterior Aluminum Storefront Framing, Doors, Door Frames, Lights, and Fixed Windows
AS-001-YK / DR-002-YK	Glazed Storefront	Interior and Exterior Aluminum Storefront Framing, Doors, Door Frames, Lights, and Fixed Windows

Glazing

Ref	ID	Description
WGL-003-VG	Glazing	Low iron composition, Type 1 (transparent glass, flat), Class 1 (clear), Quality q3 (glazing select)
WGL-004-PNA	Glazing	1/4", Condition A (uncoated surfaces), Type 1 (transparent glass, flat), Class 1 (clear), Quality q3, clear, fully tempered safety glass.
WGL-005-TGP	Glazing	Proprietary product in the form of two plies of laminated clear ceramic flat sheets, permanently labeled with appropriate marks of testing and inspecting agency, acceptable to authorities having jurisdiction.
WGL-006-TGP	Glazing	Proprietary product in the form of one ply of clear ceramic flat sheet with clear safety film, permanently labeled with appropriate marks of testing and inspecting agency, acceptable to authorities having jurisdiction

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Residential Appliances

Ref	ID	Description
ERA-002-GE	Dishwasher	Standard Wash System with 3 Wash Levels and Food Disposer; 4 or 7 Cycles.
ERA-002-WP	Dishwasher	Standard Wash System with 2 to 5 Wash Levels and Food Disposer; 4 or 7 Cycles.
ERA-003-GE	Disposal	1/3 Horsepower Motor, 1725 or 2500 RPM; Line Cord Power Connection; Standard Sound Insulation Package
ERA-003-WP	Disposal	1/3 Horsepower Motor, 1725 or 2500 RPM; Line Cord Power Connection; Standard Sound Insulation Package
ERA-005-GE	Microwave Oven	1.1 Cu. Ft Capacity Microwave Oven; 800 watts; turntable; 10 power levels.
ERA-012-GE-A1	Refrigerator	Frost Free Top-Freezer Refrigerator (no ice maker); Reversible Door Swing
ERA-012-GE-A2	Refrigerator	Frost Free Top-Freezer Refrigerator (no ice maker); Reversible Door Swing
ERA-012-GE-A3	Refrigerator	Frost Free Top-Freezer Refrigerator with factory installed icemaker; Reversible Door Swing
ERA-012-WP-A1	Refrigerator	Frost Free Top-Freezer Refrigerator with factory installed icemaker kit; Reversible Door Swing
ERA-012-WP-A3	Refrigerator	Frost Free Top-Freezer Refrigerator with factory installed icemaker; Reversible Door Swing

Elevators

Ref	ID	Description
EQE-001-ME	Elevator - Holeless Hydraulic	With Machine Room 2500 lbs or 3000 lbs Capacity Speed: 125 ft/min
EQE-001-OT	Elevator - Holeless Hydraulic	With Machine Room 2500 lbs or 3000 lbs Capacity Speed: 125 ft/min
EQE-001-SEC	Elevator - Holeless Hydraulic	With Machine Room 2500 lbs or 3000 lbs Capacity Speed: 150ft/min
EQE-001-TK	Elevator - Holeless	With Machine Room

Ref	ID	Description
	Hydraulic	2500 lbs or 3000 lbs Capacity Speed: 150ft/min
EQE-002-ME	Elevator - Holeless Hydraulic	With Machine Room 3500 lbs Capacity (minimum capacity for Emergency Stretchers) 4000 lbs Capacity (Service) Speed: 125 ft/min
EQE-002-OT	Elevator - Holeless Hydraulic	With Machine Room 3500 lbs Capacity (minimum capacity for Emergency Stretchers) 4000 lbs Capacity (Service) Speed: 125 ft/min
EQE-002-SEC	Elevator - Holeless Hydraulic	With Machine Room 3500 lbs Capacity (minimum capacity for Emergency Stretchers) 4000 lbs Capacity (Service) Speed: 150 ft/min
EQE-002-TK	Elevator - Holeless Hydraulic	With Machine Room 3500 lbs Capacity (minimum capacity for Emergency Stretchers) 4000 lbs Capacity (Service) Speed: 150 ft/min
EQE-003-ME	Elevator - Holeless Hydraulic	Machine-Room-Less 2500 lbs or 3000 lbs Capacity Speed: 125 ft/min
EQE-003-OT	Elevator - Holeless Hydraulic	Machine-Room-Less 2500 lbs or 3000 lbs Capacity Speed: 125 ft/min
EQE-003-TK	Elevator - Holeless Hydraulic	Machine-Room-Less 2500 lbs or 3000 lbs Capacity Speed: 150ft/min
EQE-005-KN	Elevator - Traction	Electric traction elevator, machine room-less (MRL); 2500 lb - 3000 lb capacity; 150 ft. per minute minimum speed.
EQE-005-ME	Elevator - Traction	Electric traction elevator, machine room-less (MRL); 2500 lb - 3000 lb capacity; 150 ft. per minute minimum speed.
EQE-005-OT	Elevator - Traction	Electric traction elevator, machine room-less (MRL); 2500 lb - 3000 lb capacity; 150 ft. per minute minimum speed.
EQE-005-SEC	Elevator - Traction	Electric traction elevator, machine room-less (MRL); 2500 lb - 3000 lb capacity; 150 ft. per minute minimum speed.
EQE-005-TK	Elevator - Traction	Electric traction elevator, machine room-less (MRL); 2500 lb - 3000lb capacity; 150 ft. per minute minimum speed.
EQE-006-KN	Elevator - Traction	Electric traction elevator, machine room-less (MRL); 3500 lb - 4000 lb capacity; 150 ft. per minute minimum speed.
EQE-006-ME	Elevator - Traction	Electric traction elevator, machine room-less (MRL); 3500 lb - 4000 lb capacity; 150 ft. per minute minimum speed.
EQE-006-OT	Elevator - Traction	Electric traction elevator, machine room-less (MRL); 3500 lb - 4000 lb capacity; 150 ft. per minute minimum speed.
EQE-006-SEC	Elevator - Traction	Electric traction elevator, machine room-less (MRL); 3500 lb - 4000 lb capacity; 150 ft. per minute minimum speed.
EQE-006-TK	Elevator - Traction	Electric traction elevator, machine room-less (MRL); 3500 lb - 4000lb capacity;

Ref	ID	Description
		150 ft. per minute minimum speed.

Holeless Hydraulic

Ref	ID	Description

Holeless Hydraulic-MRL

Ref	ID	Description

Traction

Ref	ID	Description

Elevator Finishes

Ref	ID	Description
LA-007-WIL_ELEV	**Plastic Laminate**	**General purpose laminate product**

Linen Chutes

Ref	ID	Description
EQL-001-CI	**Linen Chute**	**Laundry Chute**
EQL-001-CS	**Linen Chute**	**Laundry Chute**
EQL-001-MID	**Linen Chute**	**Laundry Chute**

Lockers

Ref	ID	Description
ELK-001-HDI	Lockers	Two tier units with full perimeter concealed ventilation system. Refer to Design Guideline Drawings for quantity.
ELK-001-PP	Lockers	Two tier units with full perimeter concealed ventilation system. Refer to Design Guideline Drawings for quantity.
ELK-001-RSP	Lockers	Two tier units with full perimeter concealed ventilation system. Refer to Design Guideline Drawings for quantity.

Registration Equipment (Safes)

Ref	ID	Description
SF-001-AMP	Registration Equipment	Guest Safe Deposit Boxes without envelope slot
SF-001-AMP-A1	Registration Equipment	Guest Safe Deposit Boxes with envelope slot

Front Desk Equipment

Ref	ID	Description
FDE-001-MIT	Front Desk Equipment	SIP desktop phone that can support up to 9 lines, has Dual Gigabit Ethernet Ports, large pixel LCD display, 8 programmable keys, XML capabilities, native DHSG/EHS headset support, HD handset, speakerphone.
FDE-002-AA	Front Desk Equipment	For encoding, verification and auto-update of RFID cards.
FDE-003-HW	Front Desk Equipment	Scanner to decode standard 1D, PDF, and 2D codes
FDE-004-ING	Front Desk Equipment	EMV Chip & Pin, magstripe and NFC/contactless payment terminal
FDE-005-SM	Front Desk Equipment	5-currency trays with bill weights, 5-coin trays with round-bottoms
FDE-006-A1-LX	Front Desk Equipment	Alternate Printer (Smaller size) Connectivity: USB Features: With Scanner Media Size: A4, A5, A6, Legal, Letter Media Type: Cards, Envelopes, Labels, Plain Paper, Transparencies
FDE-006-HP	Front Desk Equipment	Connectivity: USB Features: Wireless Media Size: 3 x 5 in, A4, A5, A6, Legal, Letter

Ref	ID	Description
		Media Type: Cards, Envelopes, Labels, Plain Paper, Recycled Paper, Transparencies
FDE-007-LN	**Front Desk Equipment**	**Borderless LED Panel with a lift/tilt/pivot/swivel stand and display port connectivity.**
FDE-008-LN	**Front Desk Equipment**	**Mounting Bracket**
FDE-009-LN	**Front Desk Equipment**	**Wireless Keyboard & Mouse Combo**
FDE-010-LN	**Front Desk Equipment**	**Compact PC**

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Receptacles and Switches

Ref	ID	Description
EL-001-LM	Switch	Rocker style light switches
EL-002-LM	Switch	Rocker style light switches

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Welcome Desk_ML-001

Ref	ID	Description
ML-001	Welcome Desk	Plastic Laminate Clad Custom Millwork that houses Front Desk Equipment consisting of cabinets, shelves and countertops.
ML-001_CT-002-WIL	Simulated Stone	Engineered Quartz Countertop
ML-001_LA-001-WIL	Plastic Laminate	General purpose laminate product
ML-001_LA-002-WIL	Plastic Laminate	General purpose laminate product
ML-001_LA-006-WIL	Plastic Laminate	Thermally Fused Melamine
ML-001_MH-001-CX	Drawer Locks	Cabinet Lock for Drawers
ML-001_MH-002-CX	Door Locks	Cabinet Lock for Doors
ML-001_MH-004-ACU	Drawer Slides	Drawer Slides at Box & File Drawers
ML-001_MH-006-KV	Standards & Clips	Mortise Mount Steel Standard & Steel Clip
ML-001_MH-007-IV	Catch	Elbow Cabinet Catch
ML-001_MH-008-KV	Standards & Clips	Mortise Mount Steel Standard & Steel Clip
ML-001_MH-014-IV	Millwork Hardware	Roller catch with standard box type strike and adjustable tension
ML-001_MH-015-STA	Millwork Hardware	Standard Duty Pivot Hinge for flush or recessed doors
ML-001_MH-016-IV	Millwork Hardware	Magnetic Catch surface or mortised mounted
ML-001_MH-017-JG	Cabinet Pulls	Edge Pull
ML-001_MH-019-ACU	Millwork Hardware	Undermount Shelf Slide Non-Disconnect Over Travel
ML-001_TW-002-CT	Wall Tile	Large Format Porcelain Tile
ML-001_TW-002-DA	Wall TIle	Porcelain Wall Tile

In-A-Pinch_ML-002

Ref	ID	Description
ML-002	In-A-Pinch (with & without Beer & Wine) and Sundries	Plastic Laminate Clad Custom Millwork consisting of cabinets, shelves, and countertops.
ML-002_LA-002-WIL	Plastic Laminate	General purpose laminate product
ML-002_MH-010-KV	Shelf Supports Pins & Bussings	Shelf Supports Pins & Bussings (Exposed 5mm)
ML-002_MH-012-GR	Concealed Hinges at Upward Lifting Cabinet Doors	Concealed Hinges at Upward Lifting Cabinet Doors
ML-002_MH-026-MEG	Public Space Millwork	Metal slatwall display system

Connection Center_ML-003

Ref	ID	Description
ML-003	Connection Center	Plastic Laminate Clad Custom Millwork that houses computer and printer for transients to use. Consists of cabinets, drawers, shelves and countertops.
ML-003_CT-002-WIL	Simulated Stone	Engineered Quartz Countertop
ML-003_LA-002-WIL	Plastic Laminate	General purpose laminate product
ML-003_MH-004-ACU	Drawer Slides	Drawer Slides at Box & File Drawers
ML-003_MH-005-KV	Shelf Supports Pins & Bussings	Shelf Supports (non-exposed 5mm)
ML-003_MH-017-JG	Cabinet Pulls	Edge Pull
ML-003_MH-019-ACU	Millwork Hardware	Undermount Shelf Slide Non-Disconnect Over Travel
ML-003_WB-001-BM	Wood Base	Painted Hardwood Base

Hub Credenza_ML-004

Ref	ID	Description
ML-004	Hub Credenza Millwork	Plastic Laminate Clad Custom Millwork consisting of metal frame, metal legs, cabinets, shelves and countertops.
ML-004_CT-001-BS	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-004_CT-001-DA	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-004_CT-001-JG	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-004_CT-001-MG	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-004_CT-001-WIL	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-004_LA-0016-WIL	Plastic Laminate	Thermally Fused Melamine
ML-004_LA-002-WIL	Plastic Laminate	General purpose laminate product
ML-004_MH-002-CX	Door Locks	Cabinet Lock for Doors
ML-004_MH-003-GR	Concealed Hinges	Concealed Hinges for Cabinet Doors
ML-004_MH-005-KV	Shelf Supports Pins & Bussings	Shelf Supports (non-exposed 5mm)
ML-004_MH-009-HA	Magnetic Pressure Catch	Magnetic Pressure Catch & Strike Plate
ML-004_MH-017-JG	Cabinet Pulls	Edge Pull
ML-004_MT-002	Decorative Metal Fabrications	1/8" thick aluminum sheet metal and 1" x 1" Aluminum Tube, Powder Coated
ML-004_PTW-013-SW	Paint - Wood	Interior Wood Millwork Paint
ML-004_PTW-014-SW	Paint - Wood	Interior Wood Millwork Paint
ML-004_PTW-015-SW	Paint - Wood	Interior Wood Millwork Paint

On Us_ML-005

Ref	ID	Description
ML-005	On Us Millwork	Plastic Laminate Clad Custom Millwork consisting of cabinets, shelves and countertops.
ML-005_CT-001-BS	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-005_CT-001-DA	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-005_CT-001-JG	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-005_CT-001-MG	Simulated Stone	Engineered Quartz Countertop with eased edge

Ref	ID	Description
ML-005_CT-001-WIL	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-005_LA-001-WIL	Plastic Laminate	General purpose laminate product
ML-005_LA-002-WIL	Plastic Laminate	General purpose laminate product
ML-005_LA-006-WIL	Plastic Laminate	Thermally Fused Melamine
ML-005_MH-002-CX	Door Locks	Cabinet Lock for Doors
ML-005_MH-003-GR	Concealed Hinges	Concealed Hinges for Cabinet Doors
ML-005_MH-005-KV	Shelf Supports Pins & Bussings	Shelf Supports (non-exposed 5mm)
ML-005_MH-009-HA	Magnetic Pressure Catch	Magnetic Pressure Catch & Strike Plate
ML-005_MH-011-BW	Soiled Towel Ring (Countertop Mtd)	Circular Towel Chute for Mounting in Countertops

Buffet Island_ML-006

Ref	ID	Description
ML-006	Buffet Island Millwork	Plastic Laminate Clad Custom Millwork consisting of sheet metal lining, metal legs, cabinets, shelves and countertops.
ML-006_CT-001-BS	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-006_CT-001-DA	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-006_CT-001-JG	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-006_CT-001-MG	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-006_CT-001-WIL	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-006_CT-003-DA	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-006_CT-003-WIL	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-006_LA-002-WIL	Plastic Laminate	General purpose laminate product
ML-006_LA-006-WIL	Plastic Laminate	Thermally Fused Melamine
ML-006_MH-002-CX	Door Locks	Cabinet Lock for Doors
ML-006_MH-003-GR	Concealed Hinges	Concealed Hinges for Cabinet Doors
ML-006_MH-005-KV	Shelf Supports Pins & Bussings	Shelf Supports (non-exposed 5mm)

Ref	ID	Description
ML-006_MH-017-JG	Cabinet Pulls	Edge Pull
ML-006_MT-002	Decorative Metal Fabrications	1/8" thick aluminum sheet metal and 1" x 1" Aluminum Tube, Powder Coated

Buffet_ML-007

Ref	ID	Description
ML-007	Buffet Millwork	Plastic Laminate Clad Custom Millwork consisting of cabinets, shelves, and countertops.
ML-007_CT-001-BS	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-007_CT-001-DA	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-007_CT-001-JG	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-007_CT-001-MG	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-007_CT-001-WIL	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-007_LA-001-WIL	Plastic Laminate	General purpose laminate product
ML-007_LA-002-WIL	Plastic Laminate	General purpose laminate product
ML-007_LA-004-NV	Plastic Laminate	High Pressure Laminate (HPL)
ML-007_LA-005-NV	Plastic Laminate	High Pressure Laminate (HPL)
ML-007_LA-006-WIL	Plastic Laminate	Thermally Fused Melamine
ML-007_MH-003-GR	Concealed Hinges	Concealed Hinges for Cabinet Doors
ML-007_MH-005-KV	Shelf Supports Pins & Bussings	Shelf Supports (non-exposed 5mm)
ML-007_MH-017-JG	Cabinet Pulls	Edge Pull
ML-007_TW-003-CT	Wall Tile	Porcelain Wall Tile

Busing Station_ML-008

Ref	ID	Description
ML-008	Busing Station Millwork	Plastic Laminate Clad Custom Millwork consisting of cabinets, and countertops.

Ref	ID	Description
ML-008_CT-001-BS	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-008_CT-001-DA	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-008_CT-001-JG	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-008_CT-001-MG	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-008_CT-001-WIL	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-008_LA-001-WIL	Plastic Laminate	General purpose laminate product
ML-008_LA-002-WIL	Plastic Laminate	General purpose laminate product
ML-008_MH-003-GR	Concealed Hinges	Concealed Hinges for Cabinet Doors
ML-008_MH-009-HA	Magnetic Pressure Catch	Magnetic Pressure Catch & Strike Plate
ML-008_MH-018-WL	Millwork Hardware	Heavy duty, heavy gauge pivot hinge for trash receptacles
ML-008_MT-002	Decorative Metal Fabrications	1/8" thick aluminum sheet metal and 1" x 1" Aluminum Tube, Powder Coated

Flex Storage_ML-009

Ref	ID	Description
ML-009	Flex Storage Millwork	Plastic Laminate Clad Custom Millwork consisting of cabinets, shelves and countertops.
ML-009_CT-001-BS	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-009_CT-001-DA	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-009_CT-001-JG	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-009_CT-001-MG	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-009_CT-001-WIL	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-009_LA-001-WIL	Plastic Laminate	General purpose laminate product
ML-009_LA-002-WIL	Plastic Laminate	General purpose laminate product
ML-009_LA-006-WIL	Plastic Laminate	Thermally Fused Melamine
ML-009_MH-003-GR	Concealed Hinges	Concealed Hinges for Cabinet Doors
ML-009_MH-005-KV	Shelf Supports Pins & Bussings	Shelf Supports (non-exposed 5mm)

Ref	ID	Description
ML-009_MH-016-IV	Millwork Hardware	Magnetic Catch surface or mortised mounted
ML-009_MH-017-JG	Cabinet Pulls	Edge Pull
ML-009_MH-019-ACU	Millwork Hardware	Undermount Shelf Slide Non-Disconnect Over Travel
ML-009_WB-001-BM	Wood Base	Painted Hardwood Base

Fitness Hydration Station_ML-010

Ref	ID	Description
ML-010	Hydration Station	Plastic Laminate Clad Custom Millwork that houses trash/linen bins, hydration equipment, yoga mats and towels. Consists of cabinets, shelves and countertops.
ML-010_CT-001-BS	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-010_CT-001-DA	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-010_CT-001-JG	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-010_CT-001-MG	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-010_CT-001-WIL	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-010_LA-001-WIL	Plastic Laminate	General purpose laminate product
ML-010_LA-002-WIL	Plastic Laminate	General purpose laminate product
ML-010_LA-006-WIL	Plastic Laminate	Thermally Fused Melamine
ML-010_MH-003-GR	Concealed Hinges	Concealed Hinges for Cabinet Doors
ML-010_MH-009-HA	Magnetic Pressure Catch	Magnetic Pressure Catch & Strike Plate
ML-010_MH-010-KV	Shelf Supports Pins & Bussings	Shelf Supports Pins & Bussings (Exposed 5mm)
ML-010_MH-011-BW	Soiled Towel Ring (Countertop Mtd)	Circular Towel Chute for Mounting in Countertops
ML-010_MH-019-ACU	Millwork Hardware	Undermount Shelf Slide Non-Disconnect Over Travel
ML-010_MH-020-TK	Cabinet Pulls	Square Bar Pull
ML-010_PL-904-HW	Hydration Station	Touch-free electric sensor water dispenser With carbon block filter with lifecycle control. 3-15/16"D x 15"W x 30-1/4"H / Semi-Recessed
ML-010_PTW-006-SW	Paint - Wall	Interior Gypsum Board Wall Paint

Employee Breakroom Kitchenette_ML-011

Ref	ID	Description
ML-011	Employee Breakroom Kitchenette Millwork	Plastic Laminate Clad Custom Millwork consisting of plumbing, cabinets, drawers, shelves, and countertops.
ML-011_CT-001-BS	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-011_CT-001-DA	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-011_CT-001-JG	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-011_CT-001-MG	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-011_CT-001-WIL	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-011_LA-001-WIL	Plastic Laminate	General purpose laminate product
ML-011_LA-002-WIL	Plastic Laminate	General purpose laminate product
ML-011_LA-006-WIL	Plastic Laminate	Thermally Fused Melamine
ML-011_MH-003-GR	Concealed Hinges	Concealed Hinges for Cabinet Doors
ML-011_MH-005-KV	Shelf Supports Pins & Bussings	Shelf Supports (non-exposed 5mm)
ML-011_MH-021-EP	Cabinet Pulls	Wire Pull Essentials Collection

Public Restroom Vanities_ML-012

Ref	ID	Description
ML-012	Public Restroom Vanity Millwork	Plastic Laminate Clad Custom Millwork consisting of plumbing, panels, and countertops.
ML-012_CT-001-BS	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-012_CT-001-DA	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-012_CT-001-JG	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-012_CT-001-MG	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-012_CT-001-WIL	Simulated Stone	Engineered Quartz Countertop with eased edge

Ref	ID	Description
ML-012_LA-002-WIL	Plastic Laminate	General purpose laminate product
ML-012_MR-001	Mirror	Polished Glass Mirror, frame less

Workroom Desk_Storage_ML-013

Ref	ID	Description
ML-013	Administration Workroom Casework	Plastic Laminate Clad Custom Millwork consisting of cabinets, shelves, and countertops.
ML-013_LA-002-WIL	Plastic Laminate	General purpose laminate product
ML-013_LA-006-WIL	Plastic Laminate	Thermally Fused Melamine
ML-013_MH-002-CX	Door Locks	Cabinet Lock for Doors
ML-013_MH-003-GR	Concealed Hinges	Concealed Hinges for Cabinet Doors
ML-013_MH-005-KV	Shelf Supports Pins & Bussings	Shelf Supports (non-exposed 5mm)
ML-013_MH-013-KV	Millwork Bracket System Hardware	Regular Duty Single Slot Bracket & Standard System
ML-013_MH-021-EP	Cabinet Pulls	Wire Pull Essentials Collection

Hydration Stations at Upper Floors_ML-014

Ref	ID	Description
ML-014	Hydration Station	Plastic Laminate Clad Custom Millwork that houses hydration equipment. Consists of cabinets, shelves and countertops.
ML-014_CT-001-BS	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-014_CT-001-DA	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-014_CT-001-JG	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-014_CT-001-MG	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-014_CT-001-WIL	Simulated Stone	Engineered Quartz Countertop with eased edge
ML-014_LA-001-WIL	Plastic Laminate	General purpose laminate product
ML-014_LA-002-WIL	Plastic Laminate	General purpose laminate product

Ref	ID	Description
ML-014_LA-006-WIL	Plastic Laminate	Thermally Fused Melamine
ML-014_MH-002-CX	Door Locks	Cabinet Lock for Doors
ML-014_MH-003-GR	Concealed Hinges	Concealed Hinges for Cabinet Doors
ML-014_MH-005-KV	Shelf Supports Pins & Bussings	Shelf Supports (non-exposed 5mm)
ML-014_MH-017-JG	Cabinet Pulls	Edge Pull
ML-014_PL-904-HW	Hydration Station	Touch-free electric sensor water dispenser With carbon block filter with lifecycle control. 3-15/16"D x 15"W x 30-1/4"H / Semi-Recessed

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Architectural Lighting - Controls

Ref	ID	Description
ALC-030-CL	Lighting Controls	Centralized Dimming System
ALC-030-SI	Lighting Controls	Centralized Dimming System - Lighting Control Channel Source Controller and Touch Screen
ALC-031-CL	Lighting Controls	Centralized Dimming System
ALC-031-SI	Lighting Controls	Fitness Center Dimming System- Occupancy sensors combining motion detection, light level detection, and IR Centralized Dimming System
ALC-032-CL_112K Only	Lighting Controls	0-10V Slide Dimmer Wallstation
ALC-032-SI_112K Only	Lighting Controls	Slide Dimming Control

Architectural Lighting - Box Light

Ref	ID	Description
ALB-001-CL	Recessed Troffer Fixture	2x2 Lensed "Cruze" Center Basket Troffer
ALB-001-SI	Recessed Troffer Fixture	2x2 Lensed Center Basket Troffer
ALB-006-CL	Recessed Troffer Fixture	2x2 Recessed Troffer
ALB-006-SI	Recessed Troffer Fixture	2x2 Recessed Troffer
ALB-007-CL	Recessed Box Fixture	2x4 Recessed Troffer
ALB-007-SI	Recessed Troffer Fixture	2x4 Recessed Lensed Troffer with A12 Shielding
ALB-017-CL	Troffer Fixture	2' X 2' Frosted Lens Troffer with Surface Mounted Kit
ALB-017-SI	Recessed Troffer Fixture	2' X 2' Recessed Troffer
ALB-018-CL	Troffer Fixture	2' X 4' "Skyridge" - Center Blade Edge Lit
ALB-018-SI	Recessed Troffer Fixture	2x2 Edgelit "FormFlex" Center Blade

Ref	ID	Description
ALB-019-CL	Troffer Fixture	2' X 2' Recessed Lensed Troffer with A12 Shielding
ALB-019-SI	Troffer Fixture	T-GRID 2' X 2' Recessed Troffer

Architectural Lighting - Exit Lighting

Ref	ID	Description
ALX-002-CL	Exit/Emergency Fixture	Die Cast Aluminum Emergency Exit light sign with Battery Backup and Self Diagnostics
ALX-002-SI	Exit/Emergency Fixture	Die Cast Aluminum Emergency Exit light sign with Battery Backup
ALX-003-CL	Exit/Emergency Fixture	Die Cast Aluminum Emergency Exit light sign with No Battery Backup
ALX-003-SI	Exit/Emergency Fixture	Die Cast Aluminum Emergency Exit light sign with No Battery Backup
ALX-004-CL	Exit/Emergency Fixture	2 Head emergency battery - white. For use with ALX-002 fixture.
ALX-004-SI	Exit/Emergency Fixture	Dual Head Egress Fixture. For use with ALX-002 fixture.
ALX-005-CL	Exit/Emergency Fixture	Die Cast Aluminum Emergency Exit light sign with Battery Back up, double sided

Architectural Lighting - Recessed

Ref	ID	Description
ALR-029-CL	Recessed Fixture	Recessed Direct Mount 4" downlight with matte white reflector and flange, diffuse lens. Wet Location.
ALR-029-SI	Recessed Fixture	5" Downlight Recessed
ALR-030-CL	Recessed Fixture	6" Aperture Down Light
ALR-030-CL-A1	Recessed Fixture	6" Aperture Emergency Down Light
ALR-030-CL-A2	Surface Mount Fixture	Downlight 8" Aperture - Surface Mount
ALR-030-CL-A3	Surface Mount Fixture	Surface Mount stairwell light with integrated sensor
ALR-030-SI	Recessed Fixture	6" Aperture Down Light
ALR-030-SI-A1	Recessed Fixture	6" Aperture Emergency Downlight
ALR-030-SI-A2	Surface Mount Fixture	Downlight 7" Aperture - Surface Mount
ALR-043-CL	Recessed Fixture	Downlight recessed
ALR-043-SI	Recessed Fixture	LyteProfile LED Downlight Recessed
ALR-050-CL	Recessed Fixture	ML Downlight Recessed Wall Wash
ALR-050-SI	Recessed Fixture	Lytecaster LED 5" DOWNLIGHT RECESSED, wall wash adjustable

Ref	ID	Description
ALR-072-CL	Recessed Fixture	6" Downlight
ALR-072-SI	Recessed Fixture	LyteProfile LED 6" Downlight

Architectural Lighting - Specialty

Ref	ID	Description
ALO-004-SI	Interior Sconce Light Fixture	Die Cast aluminum jelly jar sconce with cage. Heat and shock resistant optical chamber. Lamps supplied with fixture.
ALO-005	Submersible Light Fixture	Underwater pool light
ALO-006-INS	Interior Sconce Light Fixture	"D2" Wet listed (IP66 Option) natatorium rated fixture with aluminum treated powder-coat painted finish, Stainless Steel Hardware. ETL approved. Surface Mounted.

Architectural Lighting - Strip Lighting

Ref	ID	Description
ALJ-020-CL	Strip Light	4' - "WNLED" Surface Mounted
ALJ-020-SI	Strip Light	4' - "OWL" Surface Mounted
ALJ-027-AC	Strip Light	DynaCove Interior SO" normal power linear cove light. 4' lengths to be strung together for total length. 1' lengths specified if needed. Beam Angle 120 deg
ALJ-048-CL	Strip Light	2' undercabinet strip light w/switch
ALJ-048-SI	Strip Light	2' Undercabinet Strip w/Switch (connecting accessories available for connecting fixtures, see spec sheet)
ALJ-049-CL	Strip Light	4' undercabinet strip light w/switch
ALJ-050-CL	Strip Light	Neoray Define 3 surface fixture
ALJ-050-SI	Strip Light	TruGroove Micro surface fixture
ALJ-054-CL	Cove Light	CoviO Graze wall washing and grazing lighting fixture with integral driver
ALJ-054-SI	Cove Light	Linear 7'

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Public Restroom

Ref	ID	Description
TA-201-AS_RR	Toilet Tissue Holder	Surface mounted double toilet tissue holder
TA-201-BW_RR	Toilet Tissue Holder	Surface mounted double tissue holder.
TA-201-FB_RR	Toilet Tissue Holder	Surface mounted double toilet tissue holder.
TA-801-BW_RR	Feminine Napkin Vendor	Coin operated sanitary napkin / tampon vendor recessed in wall.
TA-801-GA_RR	Feminine Napkin Vendor	Coin operated sanitary napkin / tampon vendor recessed in wall.
TA-801-LI_RR	Feminine Napkin Vendor	Coin operated sanitary napkin / tampon vendor that is mounted in wall recess.
TA-802-BW_RR	Paper Towel and Waste Dispenser	Recessed convertible paper towel dispenser and waste receptacle.
TA-802-LI_RR	Paper Towel Dispenser and Disposal	Paper towel dispenser and waste receptacle.
TA-803-BW_RR	Soap Dispenser	Lavatory mounted soap dispenser
TA-803-LI_RR	Soap Dispenser	Lavatory mounted soap dispenser.
TA-804-BW_RR	Seat Cover Dispenser	Recessed seat cover dispenser
TA-804-GA_RR	Seat Cover Dispenser	Recessed toilet seat cover dispenser.
TA-804-LI_RR	Seat Cover Dispenser	Recessed toilet seat cover dispenser.
TA-805-BW_RR	Feminine Napkin Disposal	Recessed sanitary napkin disposal.
TA-805-GA_RR	Feminine Napkin Disposal	Wall mounted recessed sanitary napkin disposal.
TA-805-LI_RR	Feminine Napkin Disposal	Recessed sanitary napkin disposal

Public Restroom Accessible Stall

Ref	ID	Description
TA-101-PB_RR ACC	Grab Bar	18" stainless steel grab bar with rounded edges.
TA-101-WI_RR ACC	Grab Bar	SIMPLE Squared 18" grab bar with chamfered edges.
TA-102-PB_RR ACC	Grab Bar	36" stainless steel grab bar with rounded edges.
TA-102-WI_RR ACC	Grab Bar	SIMPLE Squared 36" grab bar with chamfered edges.
TA-103-PB_RR ACC	Grab Bar	Stainless Steel Grab Bar
TA-103-WI_RR ACC	Grab Bar	SIMPLE Squared 42" grab bar with chamfered edges.

Employee Restroom

Ref	ID	Description
MR-002-BW_EMP RR	Mirror	Mirror with stainless steel frame.
MR-002-LI_EMP RR	Mirror	Mirror with stainless steel frame.
TA-103-PB_EMP RR	Grab Bar	42" grab bar
TA-103-WI_EMP RR	Grab Bar	42" grab bar.
TA-106-PB_EMP RR	Grab Bar	Fusion series 18" grab bar.
TA-106-WI_EMP RR	Grab Bar	18" grab bar.
TA-108-PB_EMP RR	Grab Bar	36" grab bar
TA-108-WI_EMP RR	Grab Bar	36" grab bar.
TA-201-AS_EMP RR	Toilet Tissue Holder	Surface mounted double toilet tissue holder
TA-201-BW_EMP RR	Toilet Tissue Holder	Surface mounted double tissue holder.
TA-201-FB_EMP RR	Toilet Tissue Holder	Surface mounted double toilet tissue holder.
TA-801-BW_EMP RR	Feminine Napkin Vendor	Coin operated sanitary napkin / tampon vendor recessed in wall.
TA-801-GA_EMP RR	Feminine Napkin Vendor	Coin operated sanitary napkin / tampon vendor recessed in wall.
TA-801-LI_EMP RR	Feminine Napkin Vendor	Coin operated sanitary napkin / tampon vendor that is mounted in wall recess.
TA-802-BW_EMP RR	Paper Towel and Waste Dispenser	Recessed convertible paper towel dispenser and waste receptacle.
TA-802-LI_EMP RR	Paper Towel Dispenser and	Paper towel dispenser and waste receptacle.

Ref	ID	Description
	Disposal	
TA-803-BW_EMPRR	Soap Dispenser	Lavatory mounted soap dispenser
TA-803-LI_EMPRR	Soap Dispenser	Lavatory mounted soap dispenser.
TA-804-BW_EMPRR	Seat Cover Dispenser	Recessed seat cover dispenser
TA-804-GA_EMPRR	Seat Cover Dispenser	Recessed toilet seat cover dispenser.
TA-804-LI_EMPRR	Seat Cover Dispenser	Recessed toilet seat cover dispenser.
TA-805-BW_EMPRR	Feminine Napkin Disposal	Recessed sanitary napkin disposal.
TA-805-GA_EMPRR	Feminine Napkin Disposal	Wall mounted recessed sanitary napkin disposal.
TA-805-LI_EMPRR	Feminine Napkin Disposal	Recessed sanitary napkin disposal

Public Guest Laundry

Ref	ID	Description
TA-901-HA_PGLAUNDRY	Hanging Bar	Hanging bar.

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Indoor Pool

Ref	ID	Description
SPL-001-PAQ	Swimming pool - Site-constructed, Shotcrete	Shotcrete swimming pool with pressure filter system, flow meters, water treatment system, heaters, recirculating pumps, motors, piping, deck drainage system, piping, fittings, lights, accessories, and finishes.
SPL-002-MY	Swimming pool - packaged	Pre-engineered, modular swimming pool system, with pool wall and floor panels, PVC liner, piping, and equipment.

Indoor Pool Finishes

Ref	ID	Description
EPC-001-FST	Precast Concrete Coping	Precast concrete, wet pour, white, safety hand grip style, raised safety edge, coping stone with raised slip resistant pattern on upper surface.
GR-005-LA_POOL	Grout	High Performance Epoxy Grout, Sanded
TF-005-CT	Tile Floor	Pool Stair Nosing Tile
TW-004-CT	Wall Tile	Porcelain Tile
TW-004-DA	Wall TIle	Penny Round Wall Tile

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Fire Extinguishers and Cabinets

Ref	ID	Description
FE-001-LMF	Fire Extinguisher Cabinet	Public Space Fire Extinguisher Cabinet
FE-002-AN	Fire Extinguisher	10 lb ABC chemical type fire extinguisher
FE-002-LMF	Fire Extinguisher	10 lb ABC chemical type fire extinguisher

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SNK-01 Public Restroom and BOH Employee Restroom Sink

Ref	ID	Description
PL-101-KO_SNK-01	Sink	Caxton Under-Mount Lavatory Bowl: 17" x 14" x 4" / Undermount (Granite)
PL-201-DE_SNK-01	Faucet	Ara Series single handle faucet, 1.5 GPM, 4 3/8" spout
PL-201-KO_SNK-01	Faucet	Honesty single handle lavatory faucet with red/blue index and metal waste assembly. 1.2 GPM, 4 13/16" spout, single hole mount.
PL-201-MO_SNK-01	Faucet	"Rizon" single handle lavatory with red/blue index and metal waste assembly. 1.2 GPM, 4 7/32" spout reach, single hole mount.

SNK-02 Back-of-House Employee Breakroom Sink

Ref	ID	Description
PL-102-EL_SNK-02	Sink	Lustertone Single Bowl Sink, topmount
PL-202-DE_SNK-02	Sink Faucet	Collins series, single handle deck mount with side spray and red/blue index. 9 1/8" spout.

SVS-01 Back-of-House Service Sink

Ref	ID	Description
PL-107-KO_SVS-01	Service Sink	"Bannon" Cast Iron 22-1/4" x 18-1/4" (Basin: 18" x 14" x 12") Wall Hung
PL-107-LI_SVS-01	Service Sink	Lakewell Cast Iron Service Sink 22" x 18" (Basin: 18-1/2" x 14-1/8" x 10-1/2") Wall Hung
PL-108-DE_SVS-01	Sink Strainer	Sink strainer for kitchen

Ref	ID	Description
PL-108-KO_SVS-01	Sink Strainer	Adjustable trap standard for 2" iron pipe connection with cleanout plug and strainer
PL-108-LI_SVS-01	Sink Strainer	Brass Adjustable Sink Strainer Drain for 3-1/2" Outlet Brass Locknut and Coupling Nut 1-1/2" Tailpiece Brass Construction
PL-205-DE_SVS-01	Sink Faucet	Sink faucet wallmount with threaded spout for hose connection, lever handles, with vacuum breaker. 3.2" spout and 8" centers
PL-205-KO_SVS-01	Faucet	"Knoxford" - threaded spout for hose connection lever handles and pail hook 4-5/8" Wall-to-spout outlet / 8" Centers
PL-205-LI_SVS-01	Faucet	"Exposed Yoke" wall-mount - threaded spout for hose connection lever handles and pail hook 6-1/2" Wall-to-spout outlet / 8" Centers
PL-205-MO_SVS-01	Faucet for mop sink	Two-handle service sink faucet, threaded spout for hose connection, lever handles and pail hook.

SVS-02 Back-of-House Laundry Sink

Ref	ID	Description
PL-109-EL_SVS-02	Service Sink	Double Compartment - One-Piece Molded construction with complete drain assembly, twin drain waste coupling, 4 legs, levelers and stopper, Floor Mounted
PL-109-FI_SVS-02	Service Sink	"Molded-Stone Floor Mounted Serv-A-Sink" Twin Compartment Molded construction With complete drain assembly, twin drain waste coupling, 4 legs, levelers and stopper; Floor Mounted
PL-206-DE_SVS-02	Faucet	Two handle laundry faucet. 8.0 GPM, 6-12" high rise swing spout, 4" centers
PL-206-EL_SVS-02	Faucet	Polished chrome finish, brass waterways. 4" center distance. 6" high-rise tubular swing spout with aerator, level handles, replaceable seats and stems.
PL-206-FI_SVS-02	Faucet	Two-Handle Deck Faucet 6-1/4" Swing Spout / 4" Centers
PL-206-KO_SVS-02	Faucet	Faucet - "Coralais" Laundry Tub, 2.20 GPM, 6" High Rise Swing Spout / 4" Centers
PL-206-MO_SVS-02	Faucet	Two-Handle Laundry Faucet, 6-5/8" High Rise Swing Spout / 4" Centers

SVS-03 Back-of-House Laundry Sink

Ref	ID	Description
PL-110-KO_SVS-03	Service Sink	"Hollister" Single Compartment Sink with Wall Brackets 28" x 22" (Basin 26" x 16" x 11-1/8") Wall Mounted
PL-110-LI_SVS-03	Service Sink	Scrub Sink with Wall Brackets 28" x 22" / Wall Mounted

Ref	ID	Description
PL-111-KO_SVS-03	Double Foot Control	Knee Control Fitting Wall-mount double foot control shall be of brass construction
PL-111-LI_SVS-03	Service Sink Knee Control	Self-Closing Double Knee-Action Valve With wall-mounted cast aluminum bracket. Chrome-plated knee levers with Red (Hot) and Blue (Cold) indexing.
PL-112-KO_SVS-03	Sink Strainer	Constructed of solid brass 1-1/2" OD (38 mm) brass tailpiece
PL-112-LI_SVS-03	Grid Strainer	Adjustable Sink Strainer Drain for 3-1/2" Outlet Sink
PL-207-DE_SVS-03	Sink Faucet	5" lavatory gooseneck spout and foot pedal mixing valve control
PL-207-KO_SVS-03	Faucet	Lavatory Gooseneck Spout 5" Gooseneck Spout
PL-207-LI_SVS-03	Faucet	Lavatory Gooseneck Spout 11-7/8" Gooseneck Spout
PL-207-MO_SVS-03	Sink Facuet	5" lavatory gooseneck spout.

WCL-05 Public Restroom Water Closet

Ref	ID	Description
PL-306-GB_WCL-05	Water Closet	North Point elongated top spud bowl, 1.6 GPF, floor mounted
PL-306-KO_WCL-05	Water Closet	Wellcomme Ultra Bowl (1.60 GPF), Floor Mounted
PL-306-LI_WCL-05	Water Closet	"Madera Elongated Flush Valve Toilet" 1.10 to 1.60 GPF 28-1/4" x 14" x 15" / Floor Mounted 10" or 12" Rough (See Toilet Seat Note 4 Below)
PL-306-TO_WCL-05	Water Closet	"Flushometer Toilet" 1.60 GPF Floor Mounted, Elongated Front Bowl
PL-307-KO_WCL-05	Water Closet	Wellcomme Ultra Bowl (1.28 GPF), Floor Mounted
PL-308-CH_WCL-05	Closet Seat	Elongated Seat, Open Front w/ No Cover. "Just-Lift" Integrated Hinge system. "Sta-Tite" Fastening System
PL-308-KO_WCL-05	Closet Seat	"Stronghold" Open Front w/ No Cover
PL-308-LI_WCL-05	Toilet Seat	Open front toilet seat less cover Fits elongated bowl
PL-308-TO_WCL-05	Closet Seat	Elongated open front toilet seat
PL-309-DE_WCL-05	Flush Valve	Exposed flush valve, manual operation, ADA compliant, wall mounted, 1.60 GPF
PL-309-KO_WCL-05	Toilet Flush Valve	Exposed Flush Valve - Manual Operation ADA Compliant 1.60 GPF Wall Mounted

Ref	ID	Description
PL-309-LI_WCL-05	Toilet Flush Valve	Exposed Flush Valve - Manual Operation 1.60 GPF Wall Mounted
PL-310-DE_WCL-05	Flush Valve	Exposed flush valve, sensor operated TECK, ADA compliant, wall mounted, 1.60 GPF
PL-310-KO_WCL-05	Toilet Flush Valve	"Exposed Flush Valve" Touchless "Wave" Technology 1.60 GPF Wall Mounted
PL-310-LI_WCL-05	Toilet Flush Valve	Selectronic Sensor Operated, Concealed Flush Valve 1.60 GPF Wall Mounted
PL-310-MO_WCL-05	Toilet Flush Valve	M-Power Sensor Operated Concealed Flush Valve, ADA Compliant, 1.60 GPF, Wall Mounted
PL-311-KO_WCL-05	Toilet Flush Valve	"Exposed Flush Valve" Touchless "Wave" Technology 1.28 GPF Wall Mounted

WCL-06 Public and BOH Employee Restroom Water Closet

Ref	ID	Description
PL-308-CH_WCL-06	Closet Seat	Elongated Seat, Open Front w/ No Cover. "Just-Lift" Integrated Hinge system. "Sta-Tite" Fastening System
PL-308-KO_WCL-06	Closet Seat	"Stronghold" Open Front w/ No Cover
PL-308-LI_WCL-06	Toilet Seat	Open front toilet seat less cover Fits elongated bowl
PL-308-TO_WCL-06	Closet Seat	Elongated open front toilet seat
PL-309-DE_WCL-06	Flush Valve	Exposed flush valve, manual operation, ADA compliant, wall mounted, 1.60 GPF
PL-309-KO_WCL-06	Toilet Flush Valve	Exposed Flush Valve - Manual Operation ADA Compliant 1.60 GPF Wall Mounted
PL-309-LI_WCL-06	Toilet Flush Valve	Exposed Flush Valve - Manual Operation 1.60 GPF Wall Mounted
PL-310-DE_WCL-06	Flush Valve	Exposed flush valve, sensor operated TECK, ADA compliant, wall mounted, 1.60 GPF
PL-310-LI_WCL-06	Toilet Flush Valve	Selectronic Sensor Operated, Concealed Flush Valve 1.60 GPF Wall Mounted
PL-311-KO_WCL-06	Toilet Flush Valve	"Exposed Flush Valve" Touchless "Wave" Technology 1.28 GPF

Ref	ID	Description
		Wall Mounted
PL-312-GB_WCL-06	Water Closet	North Point ErgoHeight elongated top spud bowl, 1.28 GPF, floor mounted
PL-312-KO_WCL-06	Water Closet	Highcliff Ultra Bowl, (1.60 GPF), Floor Mounted
PL-312-LI_WCL-06	Water Closet	"Madera ADA Elongated Flush Valve Toilet" 1.10 to 1.60 GPF 28-1/4" x 14" x 16-1/2" / Floor Mounted 10" Rough (See Toilet Seat Note 4 Below)
PL-312-TO_WCL-06	Water Closet	"Flushometer Toilet" 1.60 GPF Floor Mounted, Elongated Front Bowl
PL-313-MO_WCL-06	Toilet Flush Valve	M-Power Sensor Operated, Concealed Flush Valve, ADA Compliant with manual override, 1.28 GPF, Wall Mounted

URN-01 Public Restroom Urinal

Ref	ID	Description
PL-314-KO_URN-01	Urinal	"Freshman Urinal" 1.0 GPF 14-1/4" H x 16-1/4" W x 12-1/2" D Wall Mounted
PL-314-LI_URN-01	Urinal	"Washbrook Universal Urinal" 1.0 GPF 18-7/8" x 14-1/8" x 26-1/8" Wall Mounted
PL-315-DE_URN-01	Flush Valve	Exposed flush valve, manual operation, ADA compliant, 1.0 GPF, Wall Mounted
PL-315-KO_URN-01	Urinal Flush Valve	Exposed Flush Valves - Manual Operation 1.0 GPF Wall Mounted
PL-315-LI_URN-01	Urinal Flush Valve	Exposed Flush Valves - Manual Operation ADA Compliant 1.0 GPF Wall Mounted
PL-315-MO_URN-01	Urinal Flush Valve	M-Dura Exposed Flush Valves - Manual Operation 1.0 GPF Wall Mounted
PL-316-DE_URN-01	Flush Valve	Electronic exposed flush valve, TECK, ADA compliant, 1.0 GPF, Wall Mounted
PL-316-LI_URN-01	Urinal Flush Valve	Selectronic Sensor Operated Flush Valve 1.0 GPF Wall Mounted
PL-316-MO_URN-01	Urinal Flush Valve	M-Power Sensor Operated Flush Valve 1.0 GPF Wall Mounted
PL-317-KO_URN-01	Urinal Flush Valve	"Exposed Flush Valve" Touchless "Wave" Technology 0.50 GPF Wall Mounted
PL-317-MO_URN-	Urinal Flush Valve	M-Power Sensor Operated Flush Valve

Ref	ID	Description
01		0.50 GPF Wall Mounted

URN-02 Public Restroom Urinal

Ref	ID	Description
PL-314-KO_URN-02	Urinal	"Freshman Urinal" 1.0 GPF 14-1/4" H x 16-1/4" W x 12-1/2" D Wall Mounted
PL-314-LI_URN-02	Urinal	"Washbrook Universal Urinal" 1.0 GPF 18-7/8" x 14-1/8" x 26-1/8" Wall Mounted
PL-315-DE_URN-02	Flush Valve	Exposed flush valve, manual operation, ADA compliant, 1.0 GPF, Wall Mounted
PL-315-KO_URN-02	Urinal Flush Valve	Exposed Flush Valves - Manual Operation 1.0 GPF Wall Mounted
PL-315-LI_URN-02	Urinal Flush Valve	Exposed Flush Valves - Manual Operation ADA Compliant 1.0 GPF Wall Mounted
PL-315-MO_URN-02	Urinal Flush Valve	M-Dura Exposed Flush Valves - Manual Operation 1.0 GPF Wall Mounted
PL-316-DE_URN-02	Flush Valve	Electronic exposed flush valve, TECK, ADA compliant, 1.0 GPF, Wall Mounted
PL-316-LI_URN-02	Urinal Flush Valve	Selectronic Sensor Operated Flush Valve 1.0 GPF Wall Mounted
PL-317-KO_URN-02	Urinal Flush Valve	"Exposed Flush Valve" Touchless "Wave" Technology 0.50 GPF Wall Mounted
PL-317-MO_URN-02	Urinal Flush Valve	M-Power Sensor Operated Flush Valve 0.50 GPF Wall Mounted

WCR-01 Public Water Cooler

Ref	ID	Description
PL-318-EK_WCR-01	Water Cooler	Electric water cooler, single station barrier free access model w/recessed in-the-wall refrigeration system and stainless steel grille.
PL-318-HT_WCR-01	Water Cooler	Contour Series electric water cooler, single station barrier free access model w/recessed in-the-wall refrigeration system and stainless steel grille.

Ref	ID	Description
PL-318-HW_WCR-01	Water Cooler	Electric water cooler, single station barrier free access model w/recessed in-the-wall refrigeration system and stainless steel grille.
PL-318-OA_WCR-01	Water Cooler	Electric water cooler, single station barrier free access model w/recessed in-the-wall refrigeration system and stainless steel grille.
PL-318-SRC_WCR-01	Water Cooler	Electric water cooler, single station barrier free access model w/recessed in-the-wall refrigeration system and stainless steel grille.

WCR-02 Public Hydration Station

Ref	ID	Description
PL-904-HW_WCR-02	Hydration Station	Touch-free electric sensor water dispenser With carbon block filter with lifecycle control. 3-15/16"D x 15"W x 30-1/4"H / Semi-Recessed

MOP-01 Back-of-House Mop Sink

Ref	ID	Description
PL-113-EL_MOP-01	Mop Sink	Mop Service Basin - 1 Piece, Molded fiberglass Construction, integrally molded center drain with seal. Removable stainless steel strainer. 24" x 24" x 10" / Floor Mounted
PL-113-FI_MOP-01	Mop Sink	Mop Service Basin Molded stone Construction, integrally molded center drain with seal. Removable stainless steel strainer. 24" x 24" x 10" / Floor Mounted
PL-114-DE_MOP-01	Hose Holder	Heavy Duty 5/8" diameter, 36" rubber hose and spring loaded molded rubber hose holder on stainless steel wall plate, 3 1/2" x 5", wall mounted.
PL-114-EL_MOP-01	Mop Sink Hose and Bracket	Heavy Duty 5/8" diameter, 31" Rubber Hose and Spring Loaded Molded Rubber Hose Hoder on Stainless Steel Wall Plate/ Wall Mounted
PL-114-FI_MOP-01	Mop Sink Hose and Bracket	Long flexible, heavy duty 5/8" rubber hose. Cloth reinforced with 3/4" brass coupling at one end. Bracket is 5" long x 3" wide, stainless steel with rubber grip.
PL-114-MO_MOP-01	Mop Sink Hose and Bracket	Heavy Duty 5/8" diameter, 36" Rubber Hose and Spring Loaded Molded Rubber Hose Hoder on Stainless Steel Wall Plate 3-1/2" x 5" / Wall Mounted
PL-115-DE_MOP-01	Mop Hanger	Three spring-loaded, molded rubber mop holders attached to stainless steel wall plate.
PL-115-EL_MOP-01	Mop Holder	Three spring-loaded Molded rubber mop holders attached to stainless steel wall plate 3" x 24" / Wall Mounted
PL-115-FI_MOP-	Mop Holder	Three spring-loaded

Ref	ID	Description
01		Molded rubber mop holders attached to stainless steel wall plate 3" x 24" / Wall Mounted
PL-115-MO_MOP-01	Mop Holder	Three spring-loaded, molded rubber mop holders attached to stainless steel wall plate 3-1/2" x 26" / Wall Mounted
PL-116-EL_MOP-01	Mop Sink - Wall Guard	Duraguard Wall Guard Wall Mounted Two, 12" High, 20 Gauge, #304 Stainless Steel
PL-116-FI_MOP-01	Mop Sink - Wall Guard	Wall guard plus corner bracket Wall Mounted Two, 12" High, 20 Gauge, #304
PL-205-MO_MOP-01	Faucet for mop sink	Two-handle service sink faucet, threaded spout for hose connection, lever handles and pail hook.
PL-208-DE_MOP-01	Faucet	Exposed yoke wall mount utility faucet with top brace, wall mounted.
PL-208-FI_MOP-01	Faucet for mop sink	Manual faucet with vacuum breaker
PL-208-LI_MOP-01	Mop Sink Faucet	Exposed Yoke Wall Mount Utility Faucet with Top Brace / Wall Mounted

TownePlace Suites New Build Public Space Building Product Manual, Generation 5 - 89K & 112K New Build Real Living Decor Package	Issue Date: Revision Date:	Aug 30, 2021 Nov 23, 2022

Concrete

Ref	ID	Description
CO-001-BF	Sealed Concrete	Clear, Waterborne, Curing and Sealing Compound
CO-001-DAY	Sealed Concrete	Clear, Waterborne, Curing and Sealing Compound
CO-001-EC	Sealed Concrete	Clear, Waterborne, Curing and Sealing Compound

Corner Guards

Ref	ID	Description
CGR-001-IP	Corner Guard	Rigid Vinyl Corner Guard, 90 Degrees
CGR-001-KS	Corner Guard	Rigid Vinyl Corner Guard, 90 Degrees
CGR-002-IP	Corner Guard	Rigid Vinyl Corner Guard, 90 Degrees
CGR-002-KS	Corner Guard	Rigid Vinyl Corner Guard, 90 Degrees

Entrance Mat

Ref	ID	Description
EM-001-SHI	Entrance Mat	100% solution dyed pet polyester walk off carpet tile with polypropylene backing.

Floor Coatings

Ref	ID	Description
FC-001-SW	Floor Coating	100% acrylic, low odor, waterborne floor coating.

Grout

Ref	ID	Description
GR-002-LA	Grout	High Performance Epoxy Grout, Sanded
GR-003-LA	Grout	High Performance Epoxy Grout
GR-004-LA	Grout	High Performance Epoxy Grout, Sanded
GR-005-LA	Grout	High Performance Epoxy Grout, Sanded
GR-006-LA	Grout	High Performance Epoxy Grout

Metal

Ref	ID	Description
MT-001-BNI	Metal	Aluminum
MT-002	Decorative Metal Fabrications	1/8" thick aluminum sheet metal and 1" x 1" Aluminum Tube, Powder Coated

Mirror

Ref	ID	Description
MR-001	Mirror	Polished Glass Mirror, frame less

Paint - Ceiling

Ref	ID	Description
PTC-001-SW	Paint - Ceiling	Interior Ceiling & Soffit Paint
PTC-006-SW	Paint - Ceiling	Interior Ceiling & Soffit Paint
PTC-007-BM	Paint - Ceiling	Interior Ceiling & Soffit Paint

Paint - Wall

Ref	ID	Description
PTW-001-TD	Interior Paint	Interior Metal Paint - Not Galvanized, Not Shop Primed, Previously Painted or Shop Primed
PTW-002-SW	Paint - Wall	Interior Gypsum Board Wall Paint
PTW-006-SW	Paint - Wall	Interior Gypsum Board Wall Paint
PTW-011-SW	Paint - Wall	Interior Gypsum Board Wall Paint
PTW-012-BM	Paint - Wall	Interior Wall Paint at Indoor Pool
PTW-013-SW	Paint - Wood	Interior Wood Millwork Paint
PTW-014-SW	Paint - Wood	Interior Wood Millwork Paint
PTW-015-SW	Paint - Wood	Interior Wood Millwork Paint
PTW-016-SW	Interior Paint	Waterborne Interior Paint
PTW-017-SW	Primer - Wall	Interior Gypsum Board Wall Primer
PTW-018-SW	Paint - Metal	Interior Metal Paint - Not Galvanized, Not Shop Primed, Previously Painted or Shop Primed; Door Frames
PTW-019-SW	Primer - Metal	Interior Metal Primer - Not Galvanized, Not Shop Primed, Previously Painted or Shop Primed
PTW-020-SW	Paint - Wood	Interior Wood Millwork Paint

Resilient Base

Ref	ID	Description
RB-001-JO	Resilient Base	4" high coved vinyl base, ASTM F1861, Type TV (vinyl, thermoplastic)
RB-002-SHI	Resilient Base	Straight vinyl wall base

Resilient Flooring

Ref	ID	Description
RF-002-BN	Fitness Flooring	Woven Vinyl - Rolled Goods with PVC underlayment for sound absorption
RF-004-BU	Stair Nosing	Stair nosing for use with LVT floor
RF-005-CW	Resilient Flooring	Slip Resistant latex backed woven floor mat
RF-006-IF	Resilient Vinyl Flooring	Luxury Vinyl Tile Wood Grain Planks
RF-006-SHI	Resilient Vinyl Flooring	Luxury Vinyl Tile Wood Grain Planks with Attached Underlayment

Stone

Ref	ID	Description
CT-001-BS	Simulated Stone	Engineered Quartz Countertop with eased edge
CT-001-DA	Simulated Stone	Engineered Quartz Countertop with eased edge
CT-001-JG	Simulated Stone	Engineered Quartz Countertop with eased edge
CT-001-MG	Simulated Stone	Engineered Quartz Countertop with eased edge
CT-001-WIL	Simulated Stone	Engineered Quartz Countertop with eased edge
CT-002-WIL	Simulated Stone	Engineered Quartz Countertop
CT-003-DA	Simulated Stone	Engineered Quartz Countertop with eased edge
CT-003-WIL	Simulated Stone	Engineered Quartz Countertop with eased edge

Thresholds

Ref	ID	Description
TH-001-A1-BS	Threshold	Marble Threshold
TH-001-JG	Threshold	Marble Threshold

Tile - Ceiling

Ref	ID	Description
TC-001-USG	Ceiling Tile	Acoustical Ceiling Tile

Tile - Floor

Ref	ID	Description
TF-002-CT	Tile Floor	Large Format Porcelain Tile
TF-002-DA	Tile Floor	Floor TIle
TF-003-CT	Tile Floor	Large Format Porcelain Tile
TF-003-DA	Tile Floor	Floor TIle
TF-006-CT	Tile Floor	Tile Floor
TF-007-CT	Tile Floor	Porcelain Plank Floor Tile, Herringbone Pattern
TF-007-DA	Tile Floor	Porcelain Plank Floor Tile, Herringbone Pattern

Tile - Wall

Ref	ID	Description
TW-002-CT	Wall Tile	Large Format Porcelain Tile
TW-002-DA	Wall TIle	Porcelain Wall Tile
TW-003-CT	Wall Tile	Porcelain Wall Tile
TW-006-A1-CT	Wall Tile	Porcelain Tile
TW-006-CT	Wall Tile	Large Format Porcelain Tile
TW-007-CT	Wall Tile	Porcelain Wall Tile
TW-008-CT	Wall Tile	Porcelain Wall Tile
TW-008-DA	Wall TIle	Porcelain Wall Tile
TW-009-CT	Wall Tile	Unglazed Porcelain Tile
TW-009-DA	Wall TIle	Porcelain Mosaic Wall Tile

Transitions Strips

Ref	ID	Description
TS-001-SCH	Transition Strip	Metal Edge Trim
TS-003-SCH	Transition Strip	Finishing edge-protection profile, metal tile trim.

Trim

Ref	ID	Description

Wood Base

Ref	ID	Description
WB-001-BM	Wood Base	Painted Hardwood Base

Wood Finish

Ref	ID	Description
WF-001	Wood Finish	Stained Millwork
WF-002-SW	Wood Stain	Wood Handrail Stain

Wood Trim

Ref	ID	Description

Laminate

Ref	ID	Description
LA-001-WIL	Plastic Laminate	General purpose laminate product
LA-002-WIL	Plastic Laminate	General purpose laminate product
LA-004-NV	Plastic Laminate	High Pressure Laminate (HPL)
LA-004-WIL	Plastic Laminate	Thermally Fused Melamine
LA-005-NV	Plastic Laminate	High Pressure Laminate (HPL)
LA-006-WIL	Plastic Laminate	Thermally Fused Melamine
LA-007-WIL	Plastic Laminate	General purpose laminate product
LA-008-WIL	Plastic Laminate	General purpose laminate product

Underlayment

Ref	ID	Description
UL-002-LA	Tile Underlayment	High performance, pliable, light weight peel and stick membrane underlayment system that minimizes impact noises and the transmission of cracks
UL-003-LA	Tile Underlayment	Premium quality, high yielding, fast-drying, fiber reinforced, cement-based underlayment for skim-coating, smoothing and leveling floor substrates
UL-004-LA	Tile Underlayment	Lightweight one-step, polymer fortified, Large and Heavy Tile mortar for interior and exterior installation for walls and floors

TownePlace Suites Generation 5 Public Space Preamble

PREAMBLE

Instruction For Use of Documentation

The total required information provided to design and build a TownePlace Suites by Marriott is contained in the criteria documents identified below which relay standardized public space, guestrooms, guestroom corridors, back of house and building site + exterior. Real Living is the decor package for the Public Space and Guestrooms.

Comprehensive Criteria Documents for TownePlace Suites by Marriott are:

1. Design Standards
2. Design Guideline Drawings
3. Specifications as indicated below:

A. Building Product Manual (BPM)
Volume 1 - Building Site + Exterior
Volume 2 - Public Space
Volume 3 - Guestroom
Volume 4 - Food Service & Guest Laundry Equipment

B. Exterior Signage Specifications

C. Interior Signage Specifications

D. Interior Design Specification Manual

Alternate Sources of Information:

1. Change Bulletins
2. Additional Tools

Description Follows:

1. Design Standards provide a written macro view of the overall design elements required for TownePlace Suites by Marriott.
2. The Design Guideline Drawings - provide more specific design direction via drawings to supplement the Design Standards.
3. The Interior Design Specification Manual lists items required that are generally referred to as Furniture, Fixture, & Equipment or FF&E items. These items and the accepted suppliers listed, have been contracted by Marriott and can be supplied through Marriott's procurement division.
4. The Building Product Manual (BPM) lists all the finishes required for the building and the building products that are typically installed and supplied by the General Contractor. This document must be used in conjunction with the drawings for the contractor supplied items as specific dimensions and criteria are referenced in both documents. Because of the high quality of design expected for TownePlace Suites by Marriott, Marriott has specified acceptable suppliers who have worked closely with Marriott on the initial TownePlace Suites Design. All of these documents are integral elements of the complete design and construction information. The project architect is responsible for incorporating all components of the criteria documents in the development of any TownePlace Suites by Marriott Project.

Use of Drawings

Building Product Manual (BPM) mark numbers and Interior Design Specification Manual x-ref numbers are shown on the Design Guideline Drawings as a base number only. Refer to the BPM and Interior Design Specification Manual for mark numbers and x-ref numbers plus a suffix for product and FFE alternates and additional acceptable manufacturers.

** In the BPM **acceptable manufacturers** of same material/product are indicated by a suffix of "XX", the abbreviation of the manufacturer's name. (i.e., PL-101-MO for MOEN or PL-101-KO for Kohler). If there aremultiple manufacturers, and the item looks very similar, and it is only a matter of style, then it is considered avariation of manufacturer and not an alternate and would receive the mfr. suffix.*

** In the BPM **alternate** materials/products/designs are indicated by a suffix of "A1", "A2", "A3", etc. indicating "alternate", following the base number (i.e., PL-101-A1).*

General Compliance Requirements

The Owner's / Franchisee's Consulting Design Professional shall be responsible for verifying and complying with all applicable laws, covenants, codes, ordinances, rules, regulations, restrictions, etc. The Design Professional shall pay close attention to the requirements of the federal accessibility law, Americans with Disability Act (ADA), local and state accessibility regulations, and the applicable fire, life safety requirements. It is also the responsibility of each hotel owner to ensure that all products have been adjusted in dimension, quantity and hand suit the specific site conditions.

GENERAL NOTES

1. All images, photographs, renderings of specified items contained in this specification package area for general design intent and reference only.
2. Refer to the preamble for terms, conditions, abbreviations, definitions, responsibilities, and general guidelines for all specified items.
3. Refer to drawings for exact locations and/or mounting heights of furniture, fixtures, and equipment. In the event of a discrepancy between drawings and specifications, please contact Marriott International immediately for written clarification.
4. Submittal of shop drawings & finish samples to Marriott International for review and written approval is required for any item supplied by a vendor other than the specified source.
5. Design Documentation firm to verify that all flammability requirements are met for property location. The requirements noted within this specification are general and local flammability may be more stringent.
6. Install all products and finishes per manufacturer's recommendations.
7. Final quantity of items to be based on final plans, room quantity, and final matrix.

Plumbing Fixture and Residential Appliances - General Notes

1. All plumbing fixtures and residential appliances to be of contract quality and suitable for commercial use.
2. Site measurements required.

ABBREVIATIONS

General Schedule Abbreviations:

ADA	Americans with Disabilities Act
AFF	Above Finish Floor
ASTM	American Society of Testing Materials
AWI	American Woodworking Institute
CEF	Corridors, Elevators, and Foyers
CF/CI	Contractor Furnished/ Contractor Installed
COM	Customer's Own Material
GC	General Contractor
GR	Guest Room
GRB	Guest Room Bath
LY	Lineal Yard
MF/MI	Manufacturer Furnished/ Manufacturer
N/A	Installed Not Applicable
NFPA	National Fire Protection Association
NY	Narrow Yards
OF/CI	Owner Furnished/ Contractor Installed
OF/MI	Owner Furnished/ Manufacturer Installed
OF/CI	Owner Furnished/ Owner Installed
RFP	Request for Proposal
SF	Square Feet
SY	Square Yard
UL	Underwriters Laboratory

A. Toilet Accessory Abbreviations:

For your use in utilizing the Toilet Accessories within the Building Product Manuals, the following information is supplied:

1. The Assembly is the type of restroom or bathroom. The Assembly is not recognized by a number.
2. Within each assembly, mark numbers are assigned to each component within the assembly. The component contains 2 characters or prefix 'TA' for Toilet Accessory Commodity. The first character of the 3-character suffix categorizes each toiletaccessory commodity component, then is numbered sequentially.

   100 – Grab Bars
   200 – Toilet Tissue / Facial Tissue
   300 – Glass Shelf / Iron Board Caddy
   400 – Towel Bar / Towel Ring / Robe Hook
   500 – Soap Dish / Shampoo Dispenser / Shower Accessory Ledge / Shower Footrest
   600 – Shower Curtain Rod / Glass Shower (components)
   700 – Shower Seat / Tub Seat
   800 – Public Restroom (Feminine Napkin Dispenser / Paper Towel Dispenser / Receptacle / Soap Dispenser / Seat Cover)
   900 – Miscellaneous

B. Plumbing Fixture Abbreviations:

For your use in utilizing the Plumbing Fixtures within the Building Product Manuals, the following information is supplied:

1. The Assembly No. contains 3 characters or prefix to define the type of assembly. The 2-character suffix is numericallysequential. Example TUB-01.

TUB - Tub	EWS - Eye Wash
WHL - Whirlpool	MOP - Mop Sink
SHR - Shower	CLO - Cleanout
SNK - Sink	FLD - Floor Drain
SVS - Service Sink	FSK - Floor Sink
WCL - Water Closet	LIT - Lint Interceptor
URN - Urinal	HYD - Hydrant
WCR - Water Cooler	RDR - Roof Drain

2. Mark numbers are assigned to each component within the assembly. The component contains 2 characters or prefix 'PL' for Plumbing Commodity. The first character of the 3-character suffix categorizes each plumbing commodity component, then isnumbered sequentially. Example PL-101, PL-102, etc.

100 – Sinks & Mop Sinks
200 – Faucets
300 – Toilets / Urinal / Water Cooler
400 – Shower Heads
500 – Shower Diverters
600 – Shower Surrounds / Shower Pans / Base / Tub
700 – Shower Doors
800 – Fittings
900 – Miscellaneous (Floor Drains, Clean Outs)

C. Door Hardware Abbreviations:

For your use in utilizing the Door Hardware within the Building Product Manuals, the following information is supplied:

1. The Assembly No. or Door Hardware Type No. contains 1 character or prefix "T". The 2-character suffix is numericallysequential. Example T-01.
2. Within each assembly, mark numbers are assigned to each component within the assembly. The component contains 2 characters or prefix 'DH' for Door Hardware Commodity. The 3-character suffix is numbered sequentially. Example DH-001,DH-002, etc.

D. Carpet or wall coverings will no longer be specified within the Building Product Manuals. Reference the Interior DesignSpecification Manuals.

BPM (Building Product Manual) Number Nomenclature

(Items are numbered with the item prefix and then consecutive numbers starting with 001 - "Mark Number" unless indicated otherwise)

Openings	Door	DFR-XXX
	Door Frames	DF-XXX
	Door Hardware	DH-XXX
Equipment	Residential Appliances	RA-XXX
	Food Service Equipment	EQF-XXX
	Laundry Equipment	EQD-XXX
Electrical	Receptacles + Switches	EL-XXX
Millwork	Millwork	ML-XXX
	Plastic Laminate	LM-XXX
	Millwork Hardware	MH-XXX
	Countertops	CT-XXX
Architectural Lighting	Controls	ALC-XXX
	Box Light	ALB-XXX
	Track Light & Parts	ALT-XXX
	Exit Lighting	ALX-XXX
	Recessed	ALR-XXX
	Specialty	ALO-XXX
	Strip Lighting	ALJ-XXX
	Exterior Lighting (Building)	ALY-XXX
	Exterior Lighting (Site)	ALZ-XXX
Toilet Accessories	100 – Grab bars 200 – Toilet tissue/ facial tissue 300 – Glass Shelf/ Iron Board Caddy 400 – Towel bar/ Towel Ring/ Robe Hook 500 – Soap Dish/ Shampoo Dispenser/ Shower Accessory Ledge/ Shower Foot Rest 600 – Shower Curtain Rod/ Glass Shower (components) 700 – Shower Seat/ Tub Seat 800 – Public Restroom (Feminine Napkin Dispenser, Paper Towel Dispenser/ Receptacle, Soap Dispenser, Seat Cover) 900 - Misc.	TA-XXX
Plumbing Fixtures	100 - Sink/ Mop Sink 200 - Faucets 300 - Toilets/ Urinal/ Water Cooler 400 - Shower Heads 500 - Shower Diverters 600 - Shower surrounds/pans/base/tub 700 - Shower doors 800 - Fittings 900 - Misc. (floor drains, clean outs)	PL-XXX

Interior Finishes

Ceiling Panel	CP-XXX
Concrete	CO-XXX
Corner Guards	CGR-XXX
Entrance Mat	EM-XXX
Floor Coatings	FC-XXX
Glass	GL-XXX
Glass Film	GF-XXX
Grout	GR-XXX
Interior Plants	IP-XXX
Metal	MT-XXX
Metal Railing	MTR-XXX
Mirror	MR-XXX
Paint - Ceiling	PTC-XXX
Paint - Walls	PTW-XXX
Protective Wallcovering	PW-XXX
Resilient Base	RB-XXX
Resilient Flooring	RF-XXX
Surface Panel	SP-XXX
Stone	ST-XXX
Thresholds	TH-XXX
Tile Base	TB-XXX
Tile Ceiling	TC-XXX
Tile Floor	TF-XXX
Tile Wall	TW-XXX
Transition Strips	TS-XXX
Trim	TR-XXX
Underlayment	UL-XXX
Wood	WD-XXX
Wood Base	WB-XXX
Wood Finish	WF-XXX
Wood Panels	WP-XXX
Wood Trim	WT-XXX
Decorative Film	DF-XXX

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TownePlace Suites Gen 5-89K_112K Public Space Door Hardware Schedule Index

T10 Interior Stairs (Door #40)

DH-022-MK	3 Hinges	TA2714 4.5" x 4.5"	US15	McKinney
DH-041-SG	1 Passage Set	28-10U15 KP	US15	Sargent
DH-003-YA	1 Closer	2701	689	Yale
DH-043-TM	1 Floor Stop	1231	619	Trimco/BBW
DH-045-RX	1 Wall Magnet	998M	689	Rixson
DH-007-PK	1 Door Seal Set	S773D		PEMKO

Note: WALL MAGNET TO BE TIED INTO FIRE ALARM SYSTEM.

T15A Interior Vestibule Entry (Automatic Sliding Doors) (Door #10)

DH-025-SA	1 Push Button Release	908-RE	US32D	Saflok/Dormakaba Group
DH-026-SL	1 Keyswitch	653-04	US32D	Schlage
DH-027-SG	1 Cylinder	41 (@ Keyswitch)	US32D	Sargent
DH-018-SA	1 RFID Remote Reader	RCU RFID X BLE	US26D	Saflok/Dormakaba Group
DH-029-SA	1 Power Supply	PS Series		Saflok/Dormakaba Group
DH-030-AI	1 Access Sentry Set	LEM-1 DLS		Aiphone

Note: AUTOMATIC DOOR HARDWARE & ACCESSORIES BY DOOR MANUFACTURER

T16 Electrical / Server Closet / Housekeeping Storage / Laundry Storage (Optional) / Fitness Storage (Door #17, 20, 21, 25, 26)

DH-022-MK	3 Hinges	TA2714 4.5" x 4.5"	US15	McKinney
DH-016-SA	1 Lockset	QUANTUM RFID X BLE X TROY (Less Deadbolt)	Satin Chrome	Saflok/Dormakaba Group
DH-009-YA	1 Closer	2721	689	Yale
DH-006-TM	1 Wall Stop	1270WVCP	619	Trimco/BBW
DH-007-PK	1 Door Seal Set	S773D		PEMKO

T17 Linen Storage / Linen Chute / Storage (Door #30, 31)

DH-022-MK	3 Hinges	TA2714 4.5" x 4.5"	US15	McKinney
DH-016-SA	1 Lockset	QUANTUM RFID X BLE X TROY (Less Deadbolt)	Satin Chrome	Saflok/Dormakaba Group
DH-003-YA	1 Closer	2701	689	Yale
DH-006-TM	1 Wall Stop	1270WVCP	619	Trimco/BBW
DH-007-PK	1 Door Seal Set	S773D		PEMKO

T18 Elevator Machine Room (Door #60)

DH-022-MK	3 Hinges	TA2714 4.5" x 4.5"	US15	McKinney
DH-016-SA	1 Lockset	QUANTUM RFID X BLE X TROY (Less Deadbolt)	Satin Chrome	Saflok/Dormakaba Group
DH-003-YA	1 Closer	2701	689	Yale
DH-043-TM	1 Floor Stop	1231	US15	Trimco/BBW
DH-007-PK	1 Door Seal Set	S773D		PEMKO

Door Hardware Schedule - Public Space

Project: TownePlace Suites Gen 5-89K & 112K
Décor: Real Living
Issue Date: 30-Aug-21
Revision Date: 23-Nov-22

T20 Lending Closet (Door #22)

DH-048-MK	6 Hinges	TA2314 4.5" x 4.5"	US15	McKinney
DH-046-SA	1 Lockset	8204 LNP	US15	Sargent
DH-047-TM	2 Flush Bolts	3917	626	Trimco/BBW
	1 Dust Proof Strike	3910	626	Trimco/BBW
DH-006-TM	2 Wall Stop	1270WVCP	619	Trimco/BBW
DH-007-PK	1 Door Seal Set	S773D		PEMKO

T23 Men / Women / Employee Restroom (Door #13)

DH-022-MK	3 Hinges	TA2714 4.5" x 4.5"	US15	McKinney
DH-049-TM	1 Push/Pull	1001-3 / 1013-3B	626	Trimco/BBW
DH-050-TM	1 Dead Bolt	484	US15	Sargent

Note: PUSH/PULL AND DEADBOLT LISTED ABOVE ARE TO BE USED FOR MULTIPLE USER PUBLIC RESTROOMS. IF THE PROJECT CONTAINS SINGLE USER PUBLIC RESTROOMS, USE PROVACY LOCKET AS LISTED BELOW. DELETE HARDWARE NOT USED.

DH-051-RW	1 Privacy Lockset	28-65U65 KL	US15	Sargent
DH-003-YA	1 Closer	2701	689	Yale
DH-006-TM	1 Wall Stop	1270WVCP	619	Trimco/BBW
DH-007-PK	1 Door Seal Set	S773D		PEMKO

T24 Fitness Center / Guest Laundry (Door #14, 19)

DH-022-MK	3 Hinges	TA2714 4.5" x 4.5"	US15	McKinney
DH-016-SA	1 Lockset	QUANTUM RFID X BLE X TROY (Less Deadbolt)	Satin Chrome	Saflok/Dormakaba Group
DH-003-YA	1 Closer	2701	689	Yale
DH-006-TM	1 Wall Stop	1270WVCP	619	Trimco/BBW
DH-007-PK	1 Door Seal Set	S773D		PEMKO

Note: HARDWARE SET BELOW IS FOR POOL VESTIBULE TO CORRIDOR ALUMINUM DOOR FOR OPTIONAL INDOOR POOL. DELETE IF NOT REQUIRED FOR PROJECT.

T25A Pool Vestibule to Corridor

DH-012-RX	1 OH Concealed Closer	0608090N X LCP	619	Rixson
DH-013-VD	1 Electric Exit Device	EL33A-NL-OP	US26D	Von Duprin
DH-013-VD	1 Electric Power Transfer	EPT10		Von Duprin
DH-013-VD	1 Power Supply	PS914		Von Duprin
DH-014-SG	1 Cylinder	34	US15	Sargent
DH-016-SA	1 Lockset	QUANTUM RFID X BLE X TROY (Less Deadbolt)	Satin Chrome	Saflok/Dormakaba Group
DH-006-TM	1 Wall Stop	1270WVCP	619	Trimco/BBW

Note: CONTINUOUS HINGES, PULLS, THRESHOLD & DOOR SEALS FURNISHED BY DOOR SUPPLIER.

Note: HARDWARE SET BELOW IS FOR POOL TO POOL VESTIBULE ALUMINUM DOOR FOR OPTIONAL INDOOR POOL. DELETE IF NOT REQUIRED FOR PROJECT.

T25B Pool to Pool Vestibule

DH-012-RX	1 OH Concealed Closer	0608090N X LCP	619	Rixson
DH-013-VD	1 Electric Exit Device	EL33NL-OP	US26D	Von Duprin
DH-013-VD	1 Electric Power Transfer	EPT10		Von Duprin
DH-013-VD	1 Power Supply	PS914		Von Duprin
DH-014-SG	1 Cylinder	34	US26D	Sargent
DH-018-SA	1 RFID Remote Reader	RCU RFID X BLE	US32D	Saflok/Dormakaba Group
DH-006-TM	1 Wall Stop	1270WVCP	619	Trimco/BBW

Note: CONTINUOUS HINGES, PULLS, THRESHOLD & DOOR SEALS FURNISHED BY DOOR SUPPLIER.

Note: HARDWARE SET BELOW IS FOR OPTIONAL INDOOR POOL. DELETE IF NOT REQUIRED FOR PROJECT.

T25C Pool Equipment (Indoor Pool)

DH-017-MK	3 Hinges	TA2314 4.5" x 4.5" NRP	US26D	McKinney
DH-016-SA	1 Lockset	QUANTUM RFID X BLE X TROY (Less Deadbolt)	Satin Chrome	Saflok/Dormakaba Group
DH-009-YA	1 Closer	2721	689	Yale
DH-007-PK	1 Door Seal Set	S773D		PEMKO

Note: HARDWARE SET BELOW IS FOR OPTIONAL INDOOR POOL. DELETE IF NOT REQUIRED FOR PROJECT.

T25D Pool Storage (Indoor Pool) (Pair Door)

DH-017-MK	6 Hinges	TA2314 4.5" x 4.5" NRP	US15	McKinney
DH-047-TM	2 Flush Bolts	3917	626	Trimco/BBW
	1 Dust Proof Strike	3910	626	Trimco/BBW
DH-016-SA	1 Lockset	QUANTUM RFID X BLE X TROY (Less Deadbolt)	Satin Chrome	Saflok/Dormakaba Group
DH-009-YA	1 Closer	2721 (Active Leaf)	689	Yale
DH-006-TM	2 Wall Stop	1270WVCP	619	Trimco/BBW
DH-007-PK	1 Door Seal Set	S773D		PEMKO

T29 General Manager Door from Welcome Desk (Door #12)

DH-016-SA	1 Lockset	QUANTUM RFID X BLE X TROY (Less Deadbolt)	Satin Chrome	Saflok/Dormakaba Group
DH-006-TM	1 Wall Stop	1270WVCP	619	Trimco/BBW
DH-044-TM	3 Silencers	1229A		Trimco/BBW

Note: REFER TO FRAMELESS DOOR/DOOR FRAME SYSTEM AND HINGES SPECIFICATION

Door Hardware Schedule - Public Space

Project: TownePlace Suites Gen 5-89K & 112K
Décor: Real Living
Issue Date: 30-Aug-21
Revision Date: 23-Nov-22

T30 Offices (Door #16)				
DH-022-MK	3 Hinges	TA2714 4.5" x 4.5"	US15	McKinney
DH-016-SA	1 Lockset	QUANTUM RFID X BLE X TROY (Less Deadbolt)	Satin Chrome	Saflok/Dormakaba Group
DH-006-TM	1 Wall Stop	1270WVCP	619	Trimco/BBW
DH-044-TM	3 Silencers	1229A		Trimco/BBW
T31 Food Prep / House Laundry / Engineer / Mechanical (Door #24, 59)				
DH-022-MK	3 Hinges	TA2714 4.5" x 4.5"	US15	McKinney
DH-016-SA	1 Lockset	QUANTUM RFID X BLE X TROY (Less Deadbolt)	Satin Chrome	Saflok/Dormakaba Group
DH-003-YA	1 Closer	2701	689	Yale
DH-006-TM	1 Wall Stop	1270WVCP	619	Trimco/BBW
DH-044-TM	3 Silencers	1229A		Trimco/BBW
T33 Cross Corridor (Door #43A, 43B)				
DH-052-MK	6 Hinges	T4A3786 4.5" x 4.5"	US15	McKinney
DH-053-VD	2 Exit Device	99L-F-BE x 17 Lever	US26D	Von Duprin
DH-003-YA	2 Closer	2701	689	Yale
DH-006-TM	2 Wall Stop	1270WVCP	619	Trimco/BBW
DH-045-RX	2 Wall Magnet	998M	689	Rixson
DH-007-PK	1 Door Seal Set	S773D		PEMKO
Note: WALL MAGNET TO BE TIED INTO FIRE ALARM SYSTEM.				
T33A Cross Corridor Pocket Doors (Option) (Door #43A, 43B)				
DH-054-MR	2 Continuous Hinge	HG311 (Swing Clear)	630	Markar
DH-055-AR	2 Exit Device	D3676	US32D Stainless Steel	Adams Rite
DH-056-AR	2 Lever Trim	D3081	630	Adams Rite
DH-057-AR	2 Closer	D-DC-689	689	Adams Rite
DH-058-RX	2 Wall Magnet	998x120vac	689	Rixson
DH-059-AR	1 Smoke Seal Set	DDS88D30xDS77D10	Blk	Adams Rite
DH-060-RW	2 Kick Plate	10”x1” LTDW	630	Rockwood
DH-062	2 Cylinder			
Note: WALL MAGNET TO BE TIED INTO FIRE ALARM SYSTEM.				
T34 Flex (112-Key Only), (Door #34)				
Note: REFER TO DOOR SPECIFICATION FOR MARK #DR-008 FOR DOOR HARDWARE.				
T34B Buffet (Door #11A)				
DH-063-RU	1 Pocket Door Set	Onward 1488250BC		Richelieu
DH-064-RU	2 Soft Close	892022149		Richelieu
DH-065-RW	1 Pull	RM7920 x 12”	626	Rockwood

TOWNEPLACE SUITES BY MARRIOTT

Door Hardware Schedule - Public Space

Project: TownePlace Suites Gen 5-89K & 112K
Décor: Real Living
Issue Date: 30-Aug-21
Revision Date: 23-Nov-22

T35 Dryers / Laundry Storage (89-Key Only), (Door #15, 26)

DH-022-MK	3 Hinges	TA2714 4.5" x 4.5"	US15	McKinney
DH-041-SG	1 Passage Set	28-10U15 KP	US15	Sargent
DH-003-YA	1 Closer	2701	689	Yale
DH-006-TM	1 Wall Stop	1270WVCP	619	Trimco/BBW
DH-044-TM	3 Silencers	1229A		Trimco/BBW

TownePlace Generation 5 Public Space Plumbing Assembly Schedule

TOWNEPLACE SUITES® BY MARRIOTT

Public - Plumbing Assembly Schedule

Project: TownePlace by Marriott (New Build)
Décor: Real Living
Issue Date: 30-August-21
Revision Date: **30-August-21**

		LOCATION
SNK-01 Public Restroom / BOH Employee Restroom Sink		
PL-101-KO	Sink	Public Restroom
PL-201-DE	Faucet	
PL-201-KO	Faucet	
PL-201-MO	Faucet	
SNK-02 Back-of-House Employee Breakroom Sink		
PL-102-EK	Sink	Employee Breakroom
PL-202-DE	Faucet	
SVS-01 Back-of-House Service Sink		
PL-107-KO	Service Sink	Back-of-House (as required)
PL-107-LI	Service Sink	
PL-108-DE	Sink Strainer	
PL-108-KO	Sink Strainer	
PL-108-LI	Sink Strainer	
PL-205-DE	Faucet	
PL-205-KO	Faucet	
PL-205-LI	Faucet	
PL-205-MO	Faucet	
SVS-02 Back-of-House Laundry Sink		
PL-109-EL	Laundry Sink	Back-of-House Laundry
PL-109-FI	Laundry Sink	
PL-206-DE	Faucet	
PL-206-EL	Faucet	
PL-206-FI	Faucet	
PL-206-KO	Faucet	
PL-206-MO	Faucet	
SVS-03 Back-of-House Laundry Sink		
PL-110-KO	Laundry Sink	Back-of-House Laundry
PL-110-LI	Laundry Sink	
PL-207-DE	Faucet	
PL-207-KO	Faucet	
PL-207-LI	Faucet	
PL-207-MO	Faucet	
PL-111-KO	Knee Control	
PL-111-LI	Knee Control	
PL-112-KO	Sink Strainer	
PL-112-LI	Sink Strainer	

WCL-05 Public Restroom Water Closet		
PL-306-GB	Water Closet (1.6 gpf)	Public Restroom
PL-306-KO	Water Closet (1.6 gpf)	
PL-306-LI	Water Closet (1.6 gpf)	
PL-306-TO	Water Closet (1.6 gpf)	
PL-307-KO	Water Closet (1.28 gpf)	
PL-308-CH	Toilet Seat	
PL-308-KO	Toilet Seat	
PL-308-LI	Toilet Seat	
PL-308-TO	Toilet Seat	
PL-309-DE	Flush Valve – Manual Operation (1.6 gpf)	
PL-309-KO	Flush Valve – Manual Operation (1.6 gpf)	
PL-309-LI	Flush Valve – Manual Operation (1.6 gpf)	
PL-309-MO	Flush Valve – Manual Operation (1.6 gpf)	
PL-310-DE	Flush Valve – Sensor Operated (1.6 gpf)	
PL-310-KO	Flush Valve – Sensor Operated (1.6 gpf)	
PL-310-LI	Flush Valve – Sensor Operated (1.6 gpf)	
PL-310-MO	Flush Valve – Sensor Operated (1.6 gpf)	
PL-311-KO	Flush Valve – Sensor Operated (1.28 gpf)	
WCL-06 Public / BOH Employee Restroom Water Closet		
PL-312-GB	Water Closet (1.6 gpf)	Public / Employee Restroom
PL-312-KO	Water Closet (1.6 gpf)	
PL-312-LI	Water Closet (1.6 gpf)	
PL-312-TO	Water Closet (1.6 gpf)	
PL-308-CH	Toilet Seat	
PL-308-KO	Toilet Seat	
PL-308-LI	Toilet Seat	
PL-308-TO	Toilet Seat	
PL-309-DE	Flush Valve – Manual Operation (1.6 gpf)	
PL-309-KO	Flush Valve – Manual Operation (1.6 gpf)	
PL-309-LI	Flush Valve – Manual Operation (1.6 gpf)	
PL-310-DE	Flush Valve – Sensor Operated (1.6 gpf)	
PL-310-LI	Flush Valve – Sensor Operated (1.6 gpf)	
PL-311-KO	Flush Valve – Sensor Operated (1.28 gpf)	
PL-313-MO	Flush Valve – Sensor Operated (1.28 gpf)	
URN-01 Public Restroom Urinal		
PL-314-KO	Urinal (1.0 gpf)	Public Restroom
PL-314-LI	Urinal (1.0 gpf)	
PL-315-DE	Flush Valve – Manual Operation (1.0 gpf)	
PL-315-KO	Flush Valve – Manual Operation (1.0 gpf)	
PL-315-LI	Flush Valve – Manual Operation (1.0 gpf)	
PL-315-MO	Flush Valve – Manual Operation (1.0 gpf)	
PL-316-DE	Flush Valve – Sensor Operated (1.0 gpf)	
PL-316-LI	Flush Valve – Sensor Operated (1.0 gpf)	
PL-316-MO	Flush Valve – Sensor Operated (1.0 gpf)	
PL-317-KO	Flush Valve – Sensor Operated (0.5 gpf)	
PL-317-MO	Flush Valve – Sensor Operated (0.5 gpf)	

URN-02 Public Restroom Urinal		
PL-314-KO	Urinal (1.0 gpf)	Public Restroom
PL-314-LI	Urinal (1.0 gpf)	
PL-315-DE	Flush Valve – Manual Operation (1.0 gpf)	
PL-315-KO	Flush Valve – Manual Operation (1.0 gpf)	
PL-315-LI	Flush Valve – Manual Operation (1.0 gpf)	
PL-315-MO	Flush Valve – Manual Operation (1.0 gpf)	
PL-316-DE	Flush Valve – Sensor Operated (1.0 gpf)	
PL-316-LI	Flush Valve – Sensor Operated (1.0 gpf)	
PL-317-KO	Flush Valve – Sensor Operated (0.5 gpf)	
PL-317-MO	Flush Valve – Sensor Operated (0.5 gpf)	
WCR-01 Public Water Cooler		
PL-318-EK	Water Cooler	Public – As Required
PL-318-HT	Water Cooler	
PL-318-HW	Water Cooler	
PL-318-OA	Water Cooler	
PL-318-SRC	Water Cooler	
WCR-02 Public Hydration Station		
PL-904-HW	Hydration Station	Public Fitness Room and Elevator Lobby (Upper Floors)
MOP-01 Back-of-House Mop Sink		
PL-113-EL	Mop Sink	BOH – As Required
PL-113-FI	Mop Sink	
PL-114-DE	Hose Holder	
PL-114-EL	Hose Holder	
PL-114-FI	Hose Holder	
PL-114-MO	Hose Holder	
PL-115-DE	Mop Hanger	
PL-115-EL	Mop Hanger	
PL-115-FI	Mop Hanger	
PL-115-MO	Mop Hanger	
PL-116-EL	Wall Guard	
PL-116-FI	Wall Guard	
PL-205-MO	Faucet (Wall Mount)	
PL-208-DE	Faucet (Wall Mount)	
PL-208-FI	Faucet (Wall Mount)	
PL-208-LI	Faucet (Wall Mount)	

OPENINGS

Doors

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-004-A1-AC

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Interior Door, Wood, Painted
Item Type	Interior Stile and Rail Wood Door
Description	Two-Panel Interior Stile and Rail Wood Door with Painted Finish
Manufacturer	Architectural Concepts
Model	AC2020 SS-C
Dimensions	1-3/4" thick, Refer to Design Guideline Drawings Door Schedule
Color	Sherwin Williams SW7005 Pure White
Finish	Face: Factory Painted HDF (High Density Fiberwood)
Material Composition	Core: Primed HDF (High Density Fiberwood) Laminated MDF with Fire Core (as required), Stiles: Laminated MDF with integrated LVL Stiles, Rails- Laminated MDF with integral poplar hardwood edge
CSI #	081400 - Wood Doors
Omniclass #	22 - 081400 - Wood Doors
Grade	WDMA Performance Grade: Heavy Duty. WDMA Aesthetic Grade: Premium.
Fire/Smoke Rating	To be determined by the Architect based on location and code requirements.
Acoustical Performance	Refer to the Brand Design Standards for required minimum STC Ratings
Best Practices	Recycled content/ certified wood/ low-emitting materials
Quality Standards	WDMA 1.S.6A "Industry Standard for Interior Architectural Wood Stile and Rail Doors"
Accessibility Compliance	ADA and ANSI A117.1
Lead Time	4-6 Weeks (Quick Ship Available)
Warranty	Limited Lifetime

SPECIAL INSTRUCTIONS

MANUFACTURER

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ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms
Administration
Engineering & Maintenance
Food & Beverage Back-of-House
Back-of-House Laundry
Mechanical, Plumbing & Electrical
Storage
Guest Laundry

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-004-A1-MA

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Door, Wood
Item Type	Solid Core Wood
Description	Two Panel, Interior Stile & Rail Wood Door, High Density Fiberboard (HDF) Faces and Edges, Painted Finish.
Manufacturer	Masonite Architectural
Model	Aspiro, Authentic Stile & Rail
Dimensions	1-3/4" thick, Refer to Design Guideline Drawings Door Schedule
Color	Sherwin Williams SW7005 Pure White
Finish	Factory Primed / Field Painted
Material Composition	Stile & Rail, Primed HDF Faces & Vertical Edges, MDF Panel, Particleboard Core
CSI #	081400 - Wood Doors
Omniclass #	22 - 081400 - Wood Doors
Grade	WDMA Performance Grade: Heavy Duty. WDMA Aesthetic Grade: Premium.
Fire/Smoke Rating	Non-Rated (3-Ply or 5-Ply) or Fire Rated (5-Ply). To be determined by the Architect based on location and code requirements
Acoustical Performance	Minimum as required by brand design standards. ASTM E90 STC 33 @ Guestroom entrance doors and guestroom communicating doors. Doors Seals / Mortised Door Bottom supplied by Door Manufacturer.
Best Practices	Recycled content, certified wood, low-emitting materials as applicable to project & location.
Quality Standards	ANSI/WDMA I.S. 6A-2021 “Industry Standard for Interior Architectural Wood Stile and Rail Doors”
Accessibility Compliance	ADA and ANSI A117.1 current version
Accessories	Vertical Edges: 3mm PVC, compatible color if a matching face is not available. Top & Bottom Edges: Factory Sealed.
Glazing	Refer to the Design Guideline Drawings Door Schedule
Hardware	Refer to the Design Guideline Drawings Door Schedule
Door Type	2-Panel, Square Sticking, Flat Panel
Core	Particleboard Core, ANSI A208 1-LD-2 (PC-5)
Lead Time	4-6 Weeks (Quick Ship Available)
Warranty	Limited Lifetime
Notes	Product Data Sheet: https://tinyurl.com/2p8unvha

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-004-A1-MA

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

SPECIAL INSTRUCTIONS

Vertical Edge to me a matching 3 mm impact edge for corner protection. Impact edge to be installed after face.
Top and Bottom edges should have 1mm Clean Edge applied for cleanliness and bottom edge protection.
Color can be mfg. standard as long as the edge is not visible from the face side of the door.

MANUFACTURER

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ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms
Employee Areas
Administration
Engineering & Maintenance
Food & Beverage Back-of-House
Back-of-House Laundry
Housekeeping
Mechanical, Plumbing & Electrical
Storage
Guest Laundry

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-004-A1-VT

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Door, Wood
Item Type	Solid Core Wood
Description	Two Panel, Interior Stile & Rail Wood Door, High Density Fiberboard (HDF) Faces and Edges, Painted Finish.
Manufacturer	VT Industries, Inc.
Model	Eggers Collection, E101, 2-Panel, Flat Panel, Square Sticking
Dimensions	1-3/4" thick, Refer to Design Guideline Drawings Door Schedule
Color	Sherwin Williams SW7005 Pure White
Finish	Factory Primed / Field Painted
Material Composition	Stile & Rail, Primed HDF Faces & Vertical Edges, MDF Panel, Particleboard Core
CSI #	081400 - Wood Doors
Omniclass #	22 - 081400 - Wood Doors
Grade	WDMA Performance Grade: Heavy Duty. WDMA Aesthetic Grade: Premium.
Fire/Smoke Rating	Non-Rated (3-Ply or 5-Ply) or Fire Rated (5-Ply). To be determined by the Architect based on location and code requirements.
Acoustical Performance	Minimum as required by brand design standards. ASTM E90 STC 33 @ Guestroom entrance doors and guestroom communicating doors. Doors Seals / Mortised Door Bottom supplied by Door Manufacturer.
Best Practices	Recycled content, certified wood, low-emitting materials as applicable to project & location.
Quality Standards	ANSI/WDMA I.S. 6A-2021 “Industry Standard for Interior Architectural Wood Stile and Rail Doors”
Accessibility Compliance	ADA and ANSI A117.1 current version
Accessories	Vertical Edges: 3mm PVC, compatible color if a matching face is not available. Top & Bottom Edges: Factory Sealed.
Glazing	Refer to the Design Guideline Drawings Door Schedule
Hardware	Refer to the Design Guideline Drawings Door Schedule
Door Type	2-Panel, Square Sticking, Flat Panel
Core	Particleboard Core, ANSI A208 1-LD-2 (PC-5)
Lead Time	4-6 Weeks (Quick Ship Available)
Warranty	Limited Lifetime
Notes	Product Data Web Link: https://www.vtindustries.com/architectural-

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

doors/eggers-stile-rail/

SPECIAL INSTRUCTIONS

MANUFACTURER

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ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms
Employee Areas
Administration
Engineering & Maintenance
Food & Beverage Back-of-House
Back-of-House Laundry
Housekeeping
Mechanical, Plumbing & Electrical
Storage
Guest Laundry

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-004-AC

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Interior Door, Wood, Thermofused Melamine
Item Type	Interior Stile and Rail Wood Door
Description	Two-Panel Interior Stile and Rail Wood Door with Thermoset Decorative Overlay (Thermofused Melamine)
Manufacturer	Architectural Concepts
Model	AC2020MM SS-C
Dimensions	1-3/4" thick, Refer to Design Guideline Drawings Door Schedule
Color	Wilsonart Linen D427-60
Material Composition	Core: HDF (High Density Fiberboard) Laminated MDF with Fire Core (as required), Stiles & Rails: Laminated HDF with integrated LVL Stiles
CSI #	081400 - Wood Doors
Omniclass #	22 - 081400 - Wood Doors
Grade	WDMA Performance Grade: Heavy Duty. WDMA Aesthetic Grade: Premium.
Fire/Smoke Rating	To be determined by the Architect based on location and code requirements.
Acoustical Performance	Refer to the Brand Design Standards for required minimum STC Ratings
Best Practices	Recycled content/ certified wood/ low-emitting materials
Quality Standards	WDMA 1.S.6A "Industry Standard for Interior Architectural Wood Stile and Rail Doors"
Accessibility Compliance	ADA and ANSI A117.1
Lead Time	12-14 Weeks (Quick Ship Available)
Warranty	Limited Lifetime

SPECIAL INSTRUCTIONS

MANUFACTURER

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ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms
Administration
Engineering & Maintenance
Food & Beverage Back-of-House
Back-of-House Laundry
Mechanical, Plumbing & Electrical
Storage
Guest Laundry

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-005-A1-LD

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Door, Wood
Item Type	Solid Core Wood
Description	Flush Door, 5-Ply with High-pressure decorative laminate finish
Manufacturer	Lynden Door
Model	LD-Series LD2000-PC
Dimensions	1-3/4" thick x dimensions sheduled on the Design Guideline Drawings
Color	Wilsonart Linen D427-60
Finish	Flush Door, 5-Ply with High-pressure decorative laminate finish
Material Composition	Flush Style, HPDL Faces & Top Edge, PVC Vertical Edges, Particle Board Core Bonded to Stiles & Rails, 5-Ply
CSI #	081400 - Wood Doors
Omniclass #	22-081400 - Wood Doors
Grade	WDMA Performance Grade: Heavy Duty. WDMA Aesthetic Grade: Premium.
Fire/Smoke Rating	Non-Rated (3-Ply or 5-Ply) or Fire Rated (5-Ply). To be determined by the Architect based on location and code requirements.
Acoustical Performance	ASTM E413; Refer to the Brand Design Standards for required STC Ratings
Best Practices	Recycled content, certified wood, low-emitting materials as applicable to project & location.
Quality Standards	ANSI/WDMA I.S. 1A-2021 “Industry Standard for Interior Architectural Wood Flush Doors”
Accessibility Compliance	ADA and ANSI A117.1 current version
Accessories	Vertical Edges: 3mm PVC, compatible color if a matching face is not available. Top Edge: HPDL Matching Faces. Bottom Edge: Sealed.
Part of an Assembly	N
Glazing	Refer to the Design Guideline Drawings Door Schedule
Louver	Refer to the Design Guideline Drawings Door Schedule
Hardware	As scheduled
Door Type	Flush
Core	Particleboard Core, ANSI A208 1-LD-2 (PC-5)
Warranty	Life of installation
Notes	Product Data Web Link: IC Series: https://www.lyndendoor.com/ic-2 CD Series: https://www.lyndendoor.com/cd-2/

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-005-A1-LD

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

LD Series: https://www.lyndendoor.com/ld-2/

SPECIAL INSTRUCTIONS

MANUFACTURER

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ALTERNATE MANUFACTURER 2

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ALTERNATE MANUFACTURER 3

Vendor Name: VT Industries
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ALTERNATE MANUFACTURER 4

AREAS

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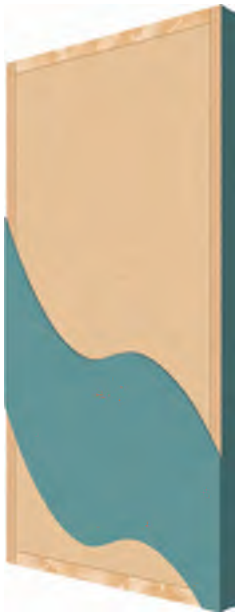
Lynden Door

LD Architectural Series

Division 08 14 23.13
High Pressure Decorative Laminate Doors

LD2000 HPDL PC-3

Wood Particleboard Core
Non-Rated or 20-Minute Rated



FACES:	GP50, nominal 0.050" (1.3mm) thick, High Pressure Decorative Laminate (HPDL) faces to meet minimum requirements of National Electrical Manufacturers Association (NEMA) Standard LD3 HPDL.
SUBSTRATE:	HPDL applied directly to the assembled core unit
CORE:	Particleboard ANSI A208.1 LD1 Option: LD2
STILES:	(ME) Matching with decorative laminate face, AWS Type C HPDL Option: Wood edges painted or stained to complement decorative laminate face
RAILS:	Mill option structural composite lumber, wood, or composite material
ASSEMBLY:	Stiles and rails are securely bonded to the core and the assembled unit is sanded prior to application of faces.
ADHESIVES:	Type 1
MAXIMUM SIZE:	Positive Pressure or Neutral Pressure 3'0" x 9'0" (914mm x 2743mm) Positive Pressure or Neutral Pressure 4'0" x 8'0" (1219mm x 2438mm)
THICKNESS:	Non-Rated 1-⅜" (35mm) or 1-¾" (45mm) 20-Minute Rated 1-¾" (45mm)
WARRANTY:	Life of original installation; for interior use only. SEE WARRANTY TERMS AND CONDITIONS.
STANDARDS:	WDMA IS-1A and AWS Premium Grade Performance attributes meet or exceed WDMA IS-1A and AWS Extra Heavy Duty standards when specified with blocking for surface applied hardware without through bolts as noted below.
FIRE-RATING:	Positive Pressure tested in accordance with UBC 7-2 1997, UL 10C, and NFPA 252. Neutral Pressure with hose stream tested in accordance with UBC 7 1994 and UL 10B. For additional information on fire doors, please refer to the Lynden Door Fire Door Technical Sheets.
ACOUSTICAL RATING:	STC 32 ASTM E90-09 – Non-Operable* OITC 30 ASTM E90-09 – Non-Operable ** When installed with one row of NGP 5075, one row of NGP 5060, a NGP 335S x STC 2 Auto Door Bottom, and NGP 60FP Corner Pads; or one row of Pemko S773, one row of Pemko S44, a Pemko PDB 411 AE Auto Door Bottom, and Pemko ACP 112 Corner pads; the STC performance will be equal to an operable test rating of STC 32.*
ENVIRONMENTAL ATTRIBUTES:	This product is TSCA Title VI compliant. This product is manufactured with pre-consumer recycled material. For additional information on product contribution, please refer to the GreenDor™ Contribution Sheets.

Manufacturing Options

BLOCKING:	6" (152mm) blocking for closer reinforcement only; additional blocking requires LD2000 HPDL PC-5 construction.
MACHINING:	Machining for hardware, open cutouts, installation of lites and louvers, applied moldings, plant-ons, raceways, dutch doors, doors and transoms. Hardware cutouts shall be factory machined from manufacturers' templates and shop drawings. *Note: Fire rated doors must glazed under label service.*

All data and information provided is for informational purposes only. It is subject to change without notice.
To be sure you have the latest revision page please either visit our website at LYNDENDOOR.COM or contact your Lynden Door, Inc. representative.

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Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-005-A1-MA

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Door, Wood
Item Type	Solid Core Wood
Description	Flush Door, 5-Ply with high-pressure decorative laminate finish
Manufacturer	Masonite Architectural
Model	Aspiro
Dimensions	1-3/4" thick x dimensions sheduled on the Design Guideline Drawings
Color	Wilsonart Linen D427-60
Finish	HPDL, NEMA LD-3, Grade HGS
Material Composition	Flush Style, HPDL Faces & Top Edge, PVC Vertical Edges, Particle Board Core Bonded to Stiles & Rails, 5-Ply
CSI #	081400 - Wood Doors
Omniclass #	22-081400 - Wood Doors
Grade	WDMA Performance Grade: Heavy Duty. WDMA Aesthetic Grade: Premium.
Fire/Smoke Rating	Non-Rated (3-Ply or 5-Ply) or Fire Rated (5-Ply). To be determined by the Architect based on location and code requirements.
Acoustical Performance	ASTM E413; Refer to the Brand Design Standards for required STC Ratings
Best Practices	Recycled content, certified wood, low-emitting materials as applicable to project & location.
Quality Standards	ANSI/WDMA I.S. 1A-2021 “Industry Standard for Interior Architectural Wood Flush Doors”
Accessibility Compliance	ADA and ANSI A117.1 current version
Accessories	Vertical Edges: 3mm PVC, compatible color if a matching face is not available. Top Edge: HPDL Matching Faces. Bottom Edge: Sealed.
Part of an Assembly	N
Glazing	Refer to the Design Guideline Drawings Door Schedule
Hardware	Refer to the Design Guideline Drawings Door Schedule
Door Type	Flush
Core	Particleboard Core, ANSI A208 1-LD-2 (PC-5)
Warranty	Life of installation
Notes	Product Data Web Link: https://tinyurl.com/mwyn3rwd

SPECIAL INSTRUCTIONS

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-005-A1-MA

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

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ALTERNATE MANUFACTURER 4

AREAS

Administration
Storage

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-005-A1-VT

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Door, Wood
Item Type	Solid Core Wood
Description	Flush Door, 5-Ply with high-pressure decorative laminate finish
Manufacturer	VT Industries, Inc.
Model	Heritage Series, PC-5, 5502H
Dimensions	1-3/4" thick x dimensions sheduled on the Design Guideline Drawings
Color	Wilsonart Linen D427-60
Finish	HPDL, NEMA LD-3, Grade HGS
Material Composition	Flush Style, HPDL Faces & Top Edge, PVC Vertical Edges, Particle Board Core Bonded to Stiles & Rails, 5-Ply
CSI #	081400 - Wood Doors
Omniclass #	22-081400 - Wood Doors
Grade	WDMA Performance Grade: Heavy Duty. WDMA Aesthetic Grade: Premium.
Fire/Smoke Rating	Non-Rated (3-Ply or 5-Ply) or Fire Rated (5-Ply). To be determined by the Architect based on location and code requirements.
Acoustical Performance	ASTM E413; Refer to the Brand Design Standards for required STC Ratings
Best Practices	Recycled content, certified wood, low-emitting materials as applicable to project & location.
Quality Standards	ANSI/WDMA I.S. 1A-2021 “Industry Standard for Interior Architectural Wood Flush Doors”
Accessibility Compliance	ADA and ANSI A117.1 current version
Accessories	Vertical Edges: 3mm PVC, compatible color if a matching face is not available. Top Edge: HPDL Matching Faces. Bottom Edge: Sealed.
Part of an Assembly	N
Glazing	Refer to the Design Guideline Drawings Door Schedule
Hardware	Refer to the Design Guideline Drawings Door Schedule
Door Type	Flush
Core	Particleboard Core, ANSI A208 1-LD-2 (PC-5)
Warranty	Life of installation
Notes	Product Data Web Link: https://tinyurl.com/39jjbn2z

SPECIAL INSTRUCTIONS

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

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AREAS

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Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-005-LD

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Door, Wood
Item Type	Solid Core Wood
Description	Flush Door, 5-Ply with painted finish
Manufacturer	Lynden Door
Model	LD2000 PC-5
Dimensions	1-3/4" thick, Refer to Design Guideline Drawings Door Schedule
Color	Sherwin Williams SW7005 Pure White
Finish	Factory Primed / Field Painted
Material Composition	Flush Style, Primed HDF Faces & Vertical Edges, Particleboard Core, 5-Ply
CSI #	081400 - Wood Doors
Omniclass #	22-081400 Wood Doors
Grade	WDMA Performance Grade: Heavy Duty. WDMA Aesthetic Grade: Premium.
Fire/Smoke Rating	Non-Rated (3-Ply or 5-Ply) or Fire Rated (5-Ply). To be determined by the Architect based on location and code requirements.
Acoustical Performance	ASTM E413; Refer to the Brand Design Standards for required STC Ratings
Best Practices	Recycled content, certified wood, low-emitting materials as applicable to project & location.
Quality Standards	ANSI/WDMA I.S. 6A-2021 “Industry Standard for Interior Architectural Wood Stile and Rail Doors”
Accessibility Compliance	ADA and ANSI A117.1 current version
Glazing	Refer to Design Guideline Drawings Door Schedule
Hardware	Refer to Design Guideline Drawings Door Schedule
Door Type	Flush
Core	Particleboard Core, ANSI A208 1-LD-2 (PC-5)
Lead Time	6-7 weeks after approval and order to release to manufacturer.
Warranty	Limited Lifetime
Notes	Product Data Web Link: https://www.lyndendoor.com/ld-2/

SPECIAL INSTRUCTIONS

MANUFACTURER

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AREAS

Administration
Storage

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ALTERNATE MANUFACTURER 4	

Lynden Door

LD Architectural Series

Division 08 14 16
Wood Flush Doors

LD2000 PC-5

Wood Particleboard Core
Non-Rated or 20-Minute Rated

FACES:	HPVA Architectural "A" grade wood veneer (minimum thickness 1/50" (0.5mm) before sanding) Options: "AA" grade wood veneer, paint grade MDO, HDF (PC-3)
SUBSTRATE:	Engineered wood composites
CORE:	Particleboard ANSI A208.1 LD1 Option: LD2
STILES:	(CE) Compatible with face veneer, mill option AWS Type A wood or Type B veneered Option: (ME) Matching with face veneer
RAILS:	Mill option structural composite lumber, wood, or composite material
ASSEMBLY:	Stiles and rails are securely bonded to the core and the assembled unit is sanded prior to application of faces.
ADHESIVES:	Type 1
MAXIMUM SIZE:	Positive Pressure 4'0" x 9'0" (1219mm x 2743mm) Neutral Pressure 3'0" x 10'0" (914mm x 3048mm) or 4'0" x 9'0" (1219mm x 2743mm)
THICKNESS:	Non-Rated 1-3/8" (35mm) or 1-3/4" (45mm) Option: Up to 2-1/4" (57mm) 20-Minute Rated 1-3/4" (45mm) Option: Up to 2-1/4" (57mm)
WARRANTY:	Life of original installation; for interior use only. SEE WARRANTY TERMS AND CONDITIONS.
STANDARDS:	WDMA IS-1A and AWS Custom Grade Option: WDMA IS-1A and AWS Premium Grade Performance attributes meet or exceed WDMA IS-1A and AWS Extra Heavy Duty standards when specified with blocking for surface applied hardware without through bolts.
FIRE-RATING:	Positive Pressure Category B or Neutral Pressure Option: Positive Pressure Category A Positive Pressure tested in accordance with UBC 7-2 1997, UL 10C, and NFPA 252. Neutral Pressure with hose stream tested in accordance with UBC 7 1994 and UL 10B. For additional information on fire doors, please refer to the Lynden Door Fire Door Technical Sheets.
ACOUSTICAL RATING:	STC 32 ASTM E90-09 – Non-Operable* OITC 30 ASTM E90-09 – Non-Operable ** When installed with one row of NGP 5075, one row of NGP 5060, a NGP 335S x STC 2 Auto Door Bottom, and NGP 60FP Corner Pads; or one row of Pemko S773, one row of Pemko S44, a Pemko PDB 411 AE Auto Door Bottom, and Pemko ACP 112 Corner pads; the STC performance will be equal to an operable test rating of STC 32.*
ENVIRONMENTAL ATTRIBUTES:	This product is TSCA Title VI compliant. This product is manufactured with pre-consumer recycled material. For additional information on product contribution, please refer to the GreenDor™ Contribution Sheets.

Manufacturing Options

BLOCKING:	Special blocking options may be specified (reference WDMA I.S.1A blocking options HB-1 through HB-8).
MACHINING:	Machining for hardware, open cutouts, installation of lites and louvers, applied moldings, plant-ons, raceways, concealed vertical rods, decorative routing, dutch doors, doors and transoms. Hardware cutouts shall be factory machined from manufacturers' templates and shop drawings. *Note: Fire rated doors must glazed under label service.*
TRANSPARENT FINISH:	WDMA TR8 / AWS System 9 – UV Cured Acrylated Polyester/Urethane finishes in standard and custom match stains Options: Other finish systems available
OPAQUE FINISH:	Factory painting in standard and custom match colors Options: Standard or color tinted priming available

All data and information provided is for informational purposes only. It is subject to change without notice.
To be sure you have the latest revision page please either visit our website at LYNDENDOOR.COM or contact your Lynden Door, Inc. representative.

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Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-005-MA

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Door, Wood
Item Type	Solid Core Wood
Description	Flush Door, 5-Ply with painted finish
Manufacturer	Masonite Architectural
Model	Aspiro Premium Paintable Door; Non-Rated A-PC-B-NR or Fire rated A-PC-B-FR20
Dimensions	1-3/4" thick, Refer to Design Guideline Drawings Door Schedule
Color	Sherwin Williams SW7005 Pure White
Finish	Factory Primed / Field Painted
Material Composition	Flush Style, Primed HDF Faces & Vertical Edges, Particleboard Core, 5-Ply
CSI #	081400 - Wood Doors
Omniclass #	22-081400 Wood Doors
Grade	WDMA Performance Grade: Heavy Duty. WDMA Aesthetic Grade: Premium.
Fire/Smoke Rating	Non-Rated (3-Ply or 5-Ply) or Fire Rated (5-Ply). To be determined by the Architect based on location and code requirements.
Acoustical Performance	ASTM E413; Refer to the Brand Design Standards for required STC Ratings
Best Practices	Recycled content, certified wood, low-emitting materials as applicable to project & location.
Quality Standards	ANSI/WDMA I.S. 6A-2021 “Industry Standard for Interior Architectural Wood Stile and Rail Doors”
Accessibility Compliance	ADA and ANSI A117.1 current version
Glazing	Refer to Design Guideline Drawings Door Schedule
Hardware	Refer to Design Guideline Drawings Door Schedule
Door Type	Flush
Core	Flush
Lead Time	6-7 weeks after approval and order to release to manufacturer.
Warranty	Limited Lifetime
Notes	Product Data Sheet: https://tinyurl.com/53e2e7b4

SPECIAL INSTRUCTIONS

MANUFACTURER

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AREAS

Administration
Storage

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ALTERNATE MANUFACTURER 3 Vendor Name: Lynden Door Contact Name: Luke Fitzwater Phone: 800-631-3667 Email: luke.fitzwater@lyndendoor.com	
ALTERNATE MANUFACTURER 4	

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-005-VT

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Door, Wood
Item Type	Solid Core Wood
Description	Flush Door, 5-Ply with painted finish
Manufacturer	VT Industries, Inc.
Model	5502-20PP, Heritage
Dimensions	1-3/4" thick, Refer to Design Guideline Drawings Door Schedule
Color	Sherwin Williams SW7005 Pure White
Finish	Factory Primed / Field Painted
Material Composition	Flush Style, Primed HDF Faces & Vertical Edges, Particleboard Core, 5-Ply
CSI #	081400 - Wood Doors
Omniclass #	22-081400 Wood Doors
Grade	WDMA Performance Grade: Heavy Duty. WDMA Aesthetic Grade: Premium.
Fire/Smoke Rating	Non-Rated (3-Ply or 5-Ply) or Fire Rated (5-Ply). To be determined by the Architect based on location and code requirements.
Acoustical Performance	ASTM E413; Refer to the Brand Design Standards for required STC Ratings
Best Practices	Recycled content, certified wood, low-emitting materials as applicable to project & location.
Quality Standards	ANSI/WDMA I.S. 6A-2021 “Industry Standard for Interior Architectural Wood Stile and Rail Doors”
Accessibility Compliance	ADA and ANSI A117.1 current version
Glazing	Refer to Design Guideline Drawings Door Schedule
Hardware	Refer to Design Guideline Drawings Door Schedule
Door Type	Flush
Core	Particleboard Core, ANSI A208 1-LD-2 (PC-5)
Lead Time	6-7 weeks after approval and order to release to manufacturer.
Warranty	Limited Lifetime
Notes	Product Data Sheet: https://tinyurl.com/yckjh34j

SPECIAL INSTRUCTIONS

MANUFACTURER

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AREAS

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Storage

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Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-006-A1-AC

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Interior Door, Wood, Painted
Item Type	Interior Stile and Rail Wood Door
Description	One-Panel Interior Stile and Rail Wood Door with Painted Finish
Manufacturer	Architectural Concepts
Model	AC1000 SS-C
Dimensions	1-3/8" thick, Refer to Design Guideline Drawings Door Schedule
Color	Sherwin Williams SW7005 Pure White
Finish	Face: Factory Painted HDF (High Density Fiberwood)
Material Composition	Core: Primed HDF (High Density Fiberwood) Laminated MDF with Fire Core (as required), Stiles: Laminated MDF with integrated LVL Stiles, Rails- Laminated MDF with integral poplar hardwood edge
CSI #	081400 - Wood Doors
Omniclass #	22 - 081400 - Wood Doors
Grade	WDMA Performance Grade: Heavy Duty. WDMA Aesthetic Grade: Premium.
Fire/Smoke Rating	To be determined by the Architect based on location and code requirements.
Acoustical Performance	Refer to the Brand Design Standards for required minimum STC Ratings
Best Practices	Recycled content/ certified wood/ low-emitting materials
Quality Standards	WDMA 1.S.6A "Industry Standard for Interior Architectural Wood Stile and Rail Doors"
Accessibility Compliance	ADA and ANSI A117.1
Lead Time	4-6 Weeks (Quick Ship Available)
Warranty	Limited Lifetime

SPECIAL INSTRUCTIONS

MANUFACTURER

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ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Administration
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Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-006-A1-MA

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Door, Wood
Item Type	Solid Core Wood
Description	One Panel, Interior Stile & Rail Wood Door, High Density Fiberboard (HDF) Faces and Edges, Painted Finish.
Manufacturer	Masonite Architectural
Model	Aspiro
Dimensions	1-3/4" thick, Refer to Design Guideline Drawings Door Schedule
Color	Sherwin Williams SW7005 Pure White
Finish	Factory Primed / Field Painted
Material Composition	Stile & Rail, Primed HDF Faces & Vertical Edges, MDF Panel, Particleboard Core
CSI #	081400 - Wood Doors
Omniclass #	22 - 081400 - Wood Doors
Grade	WDMA Performance Grade: Heavy Duty. WDMA Aesthetic Grade: Premium.
Fire/Smoke Rating	Non-Rated (3-Ply or 5-Ply) or Fire Rated (5-Ply). To be determined by the Architect based on location and code requirements.
Acoustical Performance	Minimum as required by brand design standards. ASTM E90 STC 33 @ Guestroom entrance doors and guestroom communicating doors. Doors Seals / Mortised Door Bottom supplied by Door Manufacturer.
Best Practices	Recycled content, certified wood, low-emitting materials as applicable to project & location.
Quality Standards	ANSI/WDMA I.S. 6A-2021 “Industry Standard for Interior Architectural Wood Stile and Rail Doors”
Accessibility Compliance	ADA and ANSI A117.1 current version
Glazing	Refer to the Design Guideline Drawings Door Schedule
Hardware	Refer to the Design Guideline Drawings Door Schedule
Door Type	1-Panel, Square Sticking, Flat Panel
Core	Particleboard Core, ANSI A208 1-LD-2 (PC-5)
Lead Time	4-6 Weeks (Quick Ship Available)
Warranty	Limited Lifetime
Notes	Product Data Sheet: https://tinyurl.com/2p8unvha

SPECIAL INSTRUCTIONS

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-006-A1-MA

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

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AREAS

Administration
Storage

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-006-A1-VT

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Door, Wood
Item Type	Solid Core Wood
Description	One Panel, Interior Stile & Rail Wood Door, High Density Fiberboard (HDF) Faces and Edges, Painted Finish.
Manufacturer	VT Industries, Inc.
Model	Eggers Collection, E101, 1-Panel, Flat Panel, Square Sticking
Dimensions	1-3/4" thick, Refer to Design Guideline Drawings Door Schedule
Color	Sherwin Williams SW7005 Pure White
Finish	Factory Primed / Field Painted
Material Composition	Stile & Rail, Primed HDF Faces & Vertical Edges, MDF Panel, Particleboard Core
CSI #	081400 - Wood Doors
Omniclass #	22 - 081400 - Wood Doors
Grade	WDMA Performance Grade: Heavy Duty. WDMA Aesthetic Grade: Premium.
Fire/Smoke Rating	Non-Rated (3-Ply or 5-Ply) or Fire Rated (5-Ply). To be determined by the Architect based on location and code requirements.
Acoustical Performance	Minimum as required by brand design standards. ASTM E90 STC 33 @ Guestroom entrance doors and guestroom communicating doors. Doors Seals / Mortised Door Bottom supplied by Door Manufacturer.
Best Practices	Recycled content, certified wood, low-emitting materials as applicable to project & location.
Quality Standards	ANSI/WDMA I.S. 6A-2021 “Industry Standard for Interior Architectural Wood Stile and Rail Doors”
Accessibility Compliance	ADA and ANSI A117.1 current version
Glazing	Refer to the Design Guideline Drawings Door Schedule
Hardware	Refer to the Design Guideline Drawings Door Schedule
Door Type	1-Panel, Square Sticking, Flat Panel
Core	Particleboard Core, ANSI A208 1-LD-2 (PC-5)
Lead Time	4-6 Weeks (Quick Ship Available)
Warranty	Limited Lifetime
Notes	Product Data Web Link: https://www.vtindustries.com/architectural-doors/eggers-stile-rail/

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-006-A1-VT

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

SPECIAL INSTRUCTIONS

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Vendor Name: VT Industries
Contact Name: Harry Schiller
Phone: 712.369.3153
Email: hschiller@vtindustries.com

ALTERNATE MANUFACTURER 2

Vendor Name: Masonite Architectural
Contact Name: Amanda Patterson
Phone: 541-647-3285
Email: apatterson@masonite.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Administration
Storage

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-006-AC

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Interior Door, Wood, Thermofused Melamine
Item Type	Interior Stile and Rail Wood Door
Description	One-Panel Interior Stile and Rail Wood Door with Thermoset Decorative Overlay (Thermofused Melamine)
Manufacturer	Architectural Concepts
Model	AC1000MM SS-C
Dimensions	1-3/8" thick, Refer to Design Guideline Drawings Door Schedule
Color	Wilsonart Linen D427-60
Material Composition	Core: HDF (High Density Fiberboard) Laminated MDF with Fire Core (as required), Stiles & Rails- Laminated HDF with integrated poplar hardwood edge
CSI #	081400 - Wood Doors
Omniclass #	22 - 081400 - Wood Doors
Grade	WDMA Performance Grade: Heavy Duty. WDMA Aesthetic Grade: Premium.
Fire/Smoke Rating	To be determined by the Architect based on location and code requirements.
Acoustical Performance	Refer to the Brand Design Standards for required minimum STC Ratings
Best Practices	Recycled content/ certified wood/ low-emitting materials
Quality Standards	WDMA 1.S.6A "Industry Standard for Interior Architectural Wood Stile and Rail Doors"
Accessibility Compliance	ADA and ANSI A117.1
Lead Time	12-14 Weeks (Quick Ship Available)
Warranty	Limited Lifetime

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Architectural Concepts
Contact Name: Scott Colby
Phone: (720) 259-5358
Email: scolby@archconceptsllc.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Administration
Storage

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-007-CE

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Hollow metal door
Item Type	Heavy-duty full flush door, interior
Description	Flush, fire and/or temperature-rise-rated
Manufacturer	Ceco
Model	Regent
Dimensions	Refer to the Design Guideline Drawings x 1-3/4" thick
Finish	Manufacturer Standard Factory-primed, field-painted (See Project-specific Mark # for paint)
Material Composition	18-gauge cold-rolled steel
CSI #	081113 - Hollow Metal Doors and Frames
Omniclass #	22-081113 - Hollow Metal Doors and Frames
Fire/Smoke Rating	NFPA 80 “Standard for Fire Doors, Fire Windows.” Actual rating to be determined by the Architect based on location and code requirements.
Acoustical Performance	STC 38 minimum
Structural Performance	ANSI/SDI Level 2, Performance Level B (Heavy-Duty)
Best Practices	Recycled content
Quality Standards	ASNS/SDI A250.8 Recommended Specifications for Standard Steel Doors and Frames"
Accessibility Compliance	ADA and ANSI A117.1
Accessories	Light frames as standard with manufacturer.
Part of an Assembly	N
Glazing	Safety glass complying with ANSI Z97.1.
Louver	Manufacturer's standard fire-rated automatic louvers as required. Refer to Mechanical Drawings for locations.
Hardware	Refer to Door Hardware Schedule & Specifications
Fire Rating	NFPA 80 “Standard for Fire Doors, Fire Windows.” Actual rating to be determined by the Architect based on location and code requirements.
Quality Standards	ASNS/SDI A250.8 Recommended Specifications for Standard Steel Doors and Frames"
Core	Semi-rigid fiberglass / mineral wool
Warranty	Life of building
Notes	Product Data Sheet: https://tinyurl.com/9ppw2pas

SPECIAL INSTRUCTIONS

Clearances: 1/8" at jambs and heads; 3/4" at bottom; 1/4" at meeting edges of pairs of doors.

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date: **Nov 23, 2022**

MANUFACTURER

Vendor Name: Ceco Door
Contact Name:
Phone: 888-264-7474
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Steelcraft
Contact Name: Customer Service
Phone: (877) 671-7011
Email: N/A

ALTERNATE MANUFACTURER 3

Vendor Name: Curries Company
Contact Name:
Phone: 641-423-1334
Email:

ALTERNATE MANUFACTURER 4

Vendor Name: Republic Doors and Frames
Contact Name:
Phone: 888-733-3667
Email:

AREAS

Back-of-House Laundry
Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Elevator Equipment Room
Stairs
Corridors
Fitness Center

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-007-CU

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Hollow metal door
Item Type	Heavy-duty full flush door, interior
Description	Flush, fire and/or temperature-rise-rated
Manufacturer	CURRIES
Model	727 Series
Dimensions	Refer to the Design Guideline Drawings x 1-3/4" thick
Finish	Manufacturer Standard Factory-primed, field-painted (See Project-specific Mark # for paint)
Material Composition	18-gauge cold-rolled steel
CSI #	081113 - Hollow Metal Doors and Frames
Omniclass #	22-081113 - Hollow Metal Doors and Frames
Fire/Smoke Rating	NFPA 80 “Standard for Fire Doors, Fire Windows.” Actual rating to be determined by the Architect based on location and code requirements.
Acoustical Performance	STC 38 minimum
Compressive Strength	NA
Structural Performance	ANSI/SDI Level 2, Performance Level B (Heavy-Duty)
Best Practices	Recycled content
Quality Standards	ASNS/SDI A250.8 Recommended Specifications for Standard Steel Doors and Frames"
Accessibility Compliance	ADA and ANSI A117.1
Water Sense	NA
Accessories	Light frames as standard with manufacturer.
Part of an Assembly	N
Glazing	Safety glass complying with ANSI Z97.1.
Louver	Manufacturer's standard fire-rated automatic louvers as required. Refer to Mechanical Drawings for locations.
Hardware	Refer to Door Hardware Schedule & Specifications
Fire Rating	NFPA 80 “Standard for Fire Doors, Fire Windows.” Actual rating to be determined by the Architect based on location and code requirements.
Quality Standards	ASNS/SDI A250.8 Recommended Specifications for Standard Steel Doors and Frames"
Core	Semi-rigid fiberglass / mineral wool
Warranty	Life of building
Notes	Product Data Sheet: https://tinyurl.com/nr47b8u3

SPECIAL INSTRUCTIONS

Clearances: 1/8" at jambs and heads; 3/4" at bottom; 1/4" at meeting edges of pairs of doors.

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

MANUFACTURER

Vendor Name: Curries Company
Contact Name:
Phone: 641-423-1334
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Steelcraft
Contact Name: Customer Service
Phone: (877) 671-7011
Email: N/A

ALTERNATE MANUFACTURER 3

Vendor Name: Ceco Door
Contact Name:
Phone: 888-264-7474
Email:

ALTERNATE MANUFACTURER 4

Vendor Name: Republic Doors and Frames
Contact Name:
Phone: 888-733-3667
Email:

AREAS

Back-of-House Laundry
Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Elevator Equipment Room
Stairs
Corridors
Fitness Center

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-007-RDF

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Hollow metal door
Item Type	Heavy-duty full flush door, interior
Description	Flush, fire and/or temperature-rise-rated
Manufacturer	Republic Doors and Frames
Model	DL-Series
Dimensions	Refer to the Design Guideline Drawings x 1-3/4" thick
Finish	Manufacturer Standard Factory-primed, field-painted (See Project-specific Mark # for paint)
Material Composition	18-gauge cold-rolled steel
CSI #	081113 - Hollow Metal Doors and Frames
Omniclass #	22-081113 - Hollow Metal Doors and Frames
Fire/Smoke Rating	NFPA 80 “Standard for Fire Doors, Fire Windows.” Actual rating to be determined by the Architect based on location and code requirements.
Acoustical Performance	STC 38 minimum
Compressive Strength	NA
Structural Performance	ANSI/SDI Level 2, Performance Level B (Heavy-Duty)
Best Practices	Recycled content
Quality Standards	ASNS/SDI A250.8 Recommended Specifications for Standard Steel Doors and Frames"
Accessibility Compliance	ADA and ANSI A117.1
Water Sense	NA
Accessories	Light frames as standard with manufacturer.
Part of an Assembly	N
Glazing	Safety glass complying with ANSI Z97.1.
Louver	Manufacturer's standard fire-rated automatic louvers as required. Refer to Mechanical Drawings for locations.
Hardware	Refer to Door Hardware Schedule & Specifications
Fire Rating	NFPA 80 “Standard for Fire Doors, Fire Windows.” Actual rating to be determined by the Architect based on location and code requirements.
Quality Standards	ASNS/SDI A250.8 Recommended Specifications for Standard Steel Doors and Frames"
Core	Semi-rigid fiberglass / mineral wool
Warranty	Life of building
Notes	Product Data Sheet: https://tinyurl.com/r8amndz6

SPECIAL INSTRUCTIONS

Clearances: 1/8" at jambs and heads; 3/4" at bottom; 1/4" at meeting edges of pairs of doors.

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

MANUFACTURER

Vendor Name: Republic Doors and Frames
Contact Name:
Phone: 888-733-3667
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Steelcraft
Contact Name: Customer Service
Phone: (877) 671-7011
Email: N/A

ALTERNATE MANUFACTURER 3

Vendor Name: Curries Company
Contact Name:
Phone: 641-423-1334
Email:

ALTERNATE MANUFACTURER 4

Vendor Name: Ceco Door
Contact Name:
Phone: 888-264-7474
Email:

AREAS

Back-of-House Laundry
Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Elevator Equipment Room
Stairs
Corridors
Fitness Center

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-007-SC

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Hollow metal door
Item Type	Heavy-duty full flush door, interior
Description	Flush, fire and/or temperature-rise-rated
Manufacturer	Steelcraft
Model	L-Series
Dimensions	Refer to the Design Guideline Drawings x 1-3/4" thick
Finish	Manufacturer Standard Factory-primed, field-painted (See Project-specific Mark # for paint)
Material Composition	18-gauge cold-rolled steel
CSI #	081113 - Hollow Metal Doors and Frames
Omniclass #	22-081113 - Hollow Metal Doors and Frames
Fire/Smoke Rating	NFPA 80 “Standard for Fire Doors, Fire Windows.” Actual rating to be determined by the Architect based on location and code requirements.
Acoustical Performance	STC 38 minimum
Compressive Strength	NA
Structural Performance	ANSI/SDI Level 2, Performance Level B (Heavy-Duty)
Best Practices	Recycled content
Quality Standards	ASNS/SDI A250.8 Recommended Specifications for Standard Steel Doors and Frames"
Accessibility Compliance	ADA and ANSI A117.1
Water Sense	NA
Accessories	Light frames as standard with manufacturer.
Part of an Assembly	N
Glazing	Safety glass complying with ANSI Z97.1.
Louver	Manufacturer's standard fire-rated automatic louversas required. Refer to Mechanical Drawings for locations.
Hardware	Refer to Door Hardware Schedule & Specifications
Fire Rating	NFPA 80 “Standard for Fire Doors, Fire Windows.” Actual rating to be determined by the Architect based on location and code requirements.
Quality Standards	ASNS/SDI A250.8 Recommended Specifications for Standard Steel Doors and Frames"
Core	Semi-rigid fiberglass / mineral wool
Warranty	Life of building
Notes	Product Data Sheet: https://tinyurl.com/2p867xvu

SPECIAL INSTRUCTIONS

Clearances: 1/8" at jambs and heads; 3/4" at bottom; 1/4" at meeting edges of pairs of doors.

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

MANUFACTURER

Vendor Name: Steelcraft
Contact Name: Customer Service
Phone: (877) 671-7011
Email: N/A

ALTERNATE MANUFACTURER 2

Vendor Name: Curries Company
Contact Name:
Phone: 641-423-1334
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Ceco Door
Contact Name:
Phone: 888-264-7474
Email:

ALTERNATE MANUFACTURER 4

Vendor Name: Republic Doors and Frames
Contact Name:
Phone: 888-733-3667
Email:

AREAS

Back-of-House Laundry
Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Elevator Equipment Room
Stairs
Corridors
Fitness Center

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-008-AC

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Wood Door, Sliding and window assembly
Item Type	Wood door, sliding, and window with translucent insert
Description	Four Lite Barn Door: SS (Square Sticking), Window/Fixed Partition: SS (Square Sticking), with white laminated glass
Manufacturer	Architectural Concepts
Model	ACFL402_SS-C; ACPARTITION_SS-C
Dimensions	Door & Partition: 1-3/4" thick, Refer to Design Guideline Drawings Door Schedule; Glass: 5/16" thick White Lamianted Safety Glass
Color	Door: Rift Cut White Oak to match Wilsonart Beige Wood 7850-60; Glass Insert: Polar White 60%
Material Composition	LVL with RCWO Veneers- Solid Edgebanding; LVL (Laminated Veneer Lumber); Stiles- LVL with RCWO Veneers and Solid Edgebanding; Rails- LVL with RCWO Veneers and Solid Edgebading
CSI #	081400 - Wood Doors
Omniclass #	22-081400 Wood Doors
Acoustical Performance	Refer to the Brand Design Standards for required STC Ratings
Best Practices	Low-emitting materials, recycled content.
Quality Standards	ANSI/WDMA I.S. 6A-13 Interior Architectural Stile and Rail Doors
Accessibility Compliance	ADA and ANSI A117.1
Accessories	3/4" x 5" Valance Rift Cut White Oak Prefinished to Match Door; ACCL80SC Track and Hardware Set with dual softclose; AC722G-41-4 Tiger 049-66230 Finish BTB Door Pull
Glazing	5/16" thick White Lamianted Safety Glass
Louver	NA`
Acoustical	Refer to the Brand Design Standards for required STC Ratings
Hardware	ACCL80SC 2.2 Meter Track and Hardware Set with dual softclose; AC722G-41-4 Tiger 049-66230 Finish BTB Door Pull
Door Type	Stile and rail
Fire Rating	NA
Quality Standards	ANSI/WDMA I.S. 6A-13 Interior Architectural Stile and Rail Doors
Lead Time	10-12 Weeks
Warranty	Limited Lifetime

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-008-AC

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

SPECIAL INSTRUCTIONS
Do not install surface mounted floor guide; provide recessed floor track to meet ADA requirements.

MANUFACTURER

Vendor Name: Architectural Concepts
Contact Name: Scott Colby
Phone: (720) 259-5358
Email: scolby@archconceptsllc.com

ALTERNATE MANUFACTURER 2

Vendor Name: Raydoor
Contact Name: Customer Service
Phone: 212.380.3846
Email: info@raydoor.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Flex

DR-008-AC

KEYNOTES

RTITION BY OTHERS.

CHITECTURAL
6318.

ROUND PERIMETER OF

AR EBONY.

CASSAR EBONY.

HINGE. OPENING

SITION.

3
TYP. OF 4

T'-8 3/8"

A.1 CONCEALED HINGE LOCATION

SCALE: NOT TO SCALE

A ELEVATION OF WOOD DOOR FOR CLOSET

SCALE: 3/4" = 1'-0"

- ☐ Approved
- ☐ Approved as noted
- ☐ Revise & Resubmit

Date: 2/20/20 Order #

Title: TPS- Flex Space Rendering

Approved By:

Drawing Version:

- ☐ APPROVED
- ☐ APPROVED AS NOTED
- ☐ REVISE & RESUBMIT

DATE: 06 . 06 . 2014

CHITECTURAL
ncepts

Architectural Concepts

O. 888.248.2724
D. 720.259.5364
E. info@archconceptsllc.com

18499 Longs Way
Suite 102
Parker, CO 80134

TOWNEPLACE SUITES BY MARRIOTT

TownePlace Suites- Gen 5 New Build

DR-55-FLEX

BUILDING PRODUCT MANUAL

Doors

Vendor Name Architectural Concepts
Vendor Item ID: ACFL402_SS

Issue Date: 13-Feb-20
Revision Date:

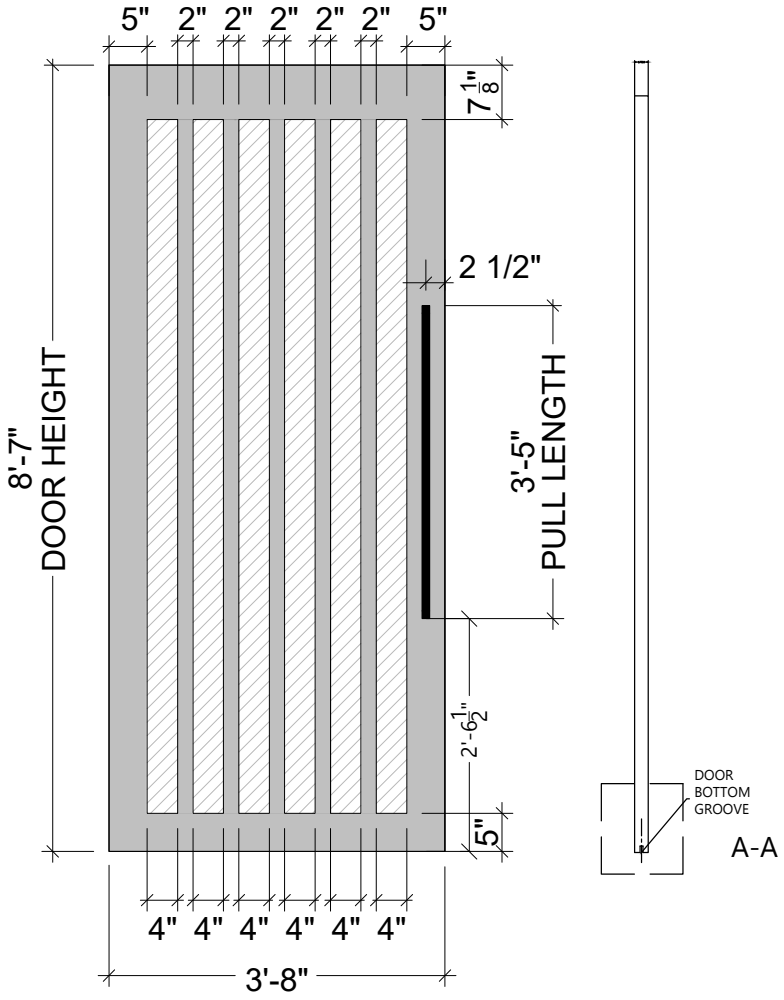
Item Name:	Public Space Flex Barn Door Pair (Wood Stile & Rail)
Description:	Flex Door
Manufacturer:	Architectural Concepts
Door Type:	Four Lite Barn Door: SS (Square Sticking), White Laminated Glass Polar White 60%, basis of design Architectural Concepts ACFL402 SS
Manufacturer	Architectural Concepts
Product Number	ACFL402_SS-C
Dimensions:	Refer To Door Schedule
Thickness:	1-3/4"
Material Core:	LVL with RCWO Veneers- Solid Edgebanding LVL (Laminated Veneer Lumber) Stiles- LVL with RCWO Veneers and Solid Edgebanding Rails- LVL with RCWO Veneers and Solid Edgebading
Face Finish:	Rift Cut White Oak to match Wilsonart Beige Wood 7850-60
Color:	Stained to match Wilsonart Beige Wood 7850-60
Hardware:	T-05 Hardware Set- Refer To Door Schedule 3/4" x 5" Valance Rift Cut White Oak Prefinished to Match Door ACCL80SC Track and Hardware Set with dual softclose AC722G-41-4 Tiger049-66230 Finish BTB Door Pull
Accoustical :	NA
Glazing:	5/16" White Lamianted Safety Glass- Polar White 60%
Louver:	N/A
Note:	Finished Goods Containing Composite Wood Products must comply with California Code of Regulations 93120; Products and Cartons will be labled in accordance with this regulation
Quality Standards:	
Lead Times:	10-12 Weeks
Warranty:	Limited Lifetime

SPECIAL INSTRUCTIONS:

MANUFACTURER	**AREAS**
Architectural Concepts Scott Colby or Dan Benz (720)-259-5358 scolby@archconceptsllc.com dbenz@archconceptsllc.com	Public Space- Flex Space
ALTERNATE MANUFACTURER 1	
ALTERNATE MANUFACTURER 2	
ALTERNATE MANUFACTURER 3	

FLEX BARN DOOR

DOOR 55 - FLEX



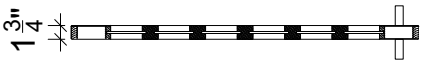
HARDWARE SET

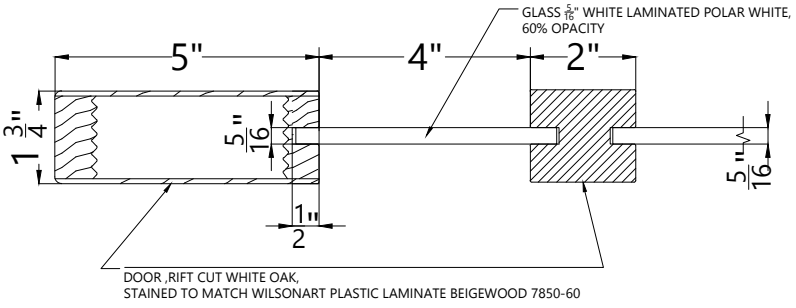
1 SGL Door: Dining

3 Top Hung Sliding Door Assembly	Slido Classic 120-P	(SL-1) Hafele
2 Custom Door Pull	AC722G-41-4 TIGER	(PP-1) Trimco

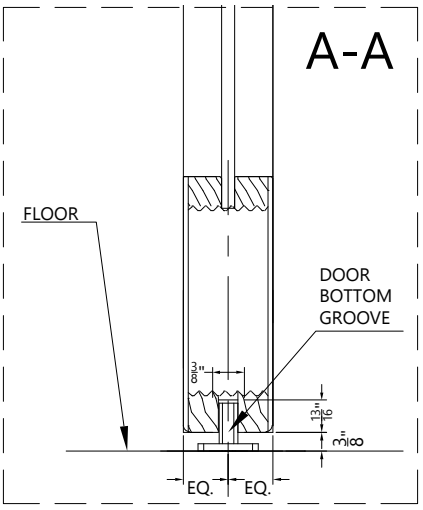
KEYNOTES

A. Track
B. Valance
C. Valance Track Clip
D. Trolley hardware with integrated soft close mechanism
E. Floor guide
F. Pull handle
G. 1.5" side of door overlap at open position
H. Side of door overlap at close position
I. Door
J. Door Trim
K. Blocking





DOOR LEAF SECTION



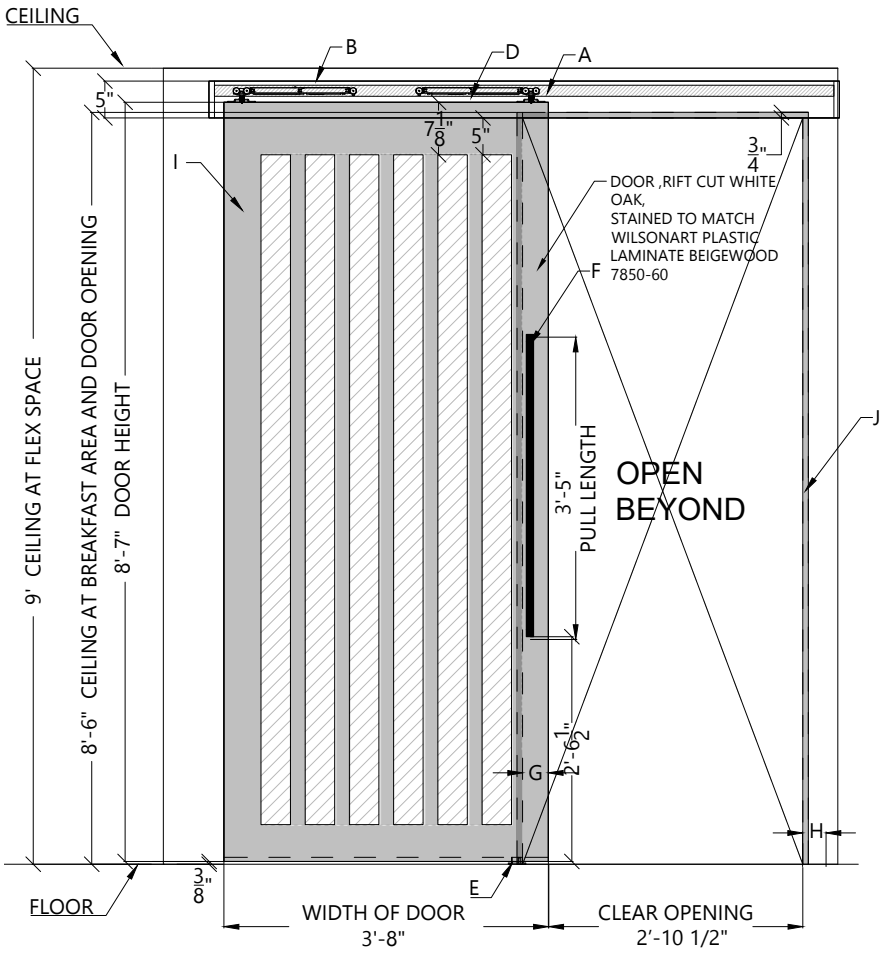
Architectural Concepts

O. 888.248.2724
D. 720.259.5358
E. info@archconceptsllc.com

18499 Longs Way
Suite 102
Parker, CO 80134

archconceptsllc.com

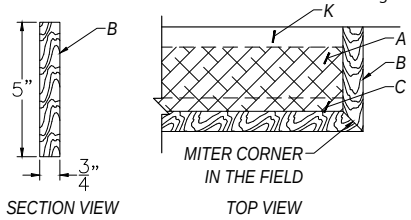
FLEX BARN DOOR



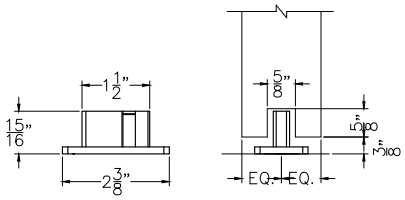
KEYNOTES:

A. Track
B. Valance
C. Valance Track Clip
D. Trolley hardware with integrated soft close mechanism Top hung sliding door slido classic 120-p L.A.R-hafele
E. Floor guide
F. Custom door Pull-trimco /Brown-BTB Mounting
G. Side of door overlap at open position
H. Side of door overlap at close position
I. Door
J. Door Trim
K. Blocking

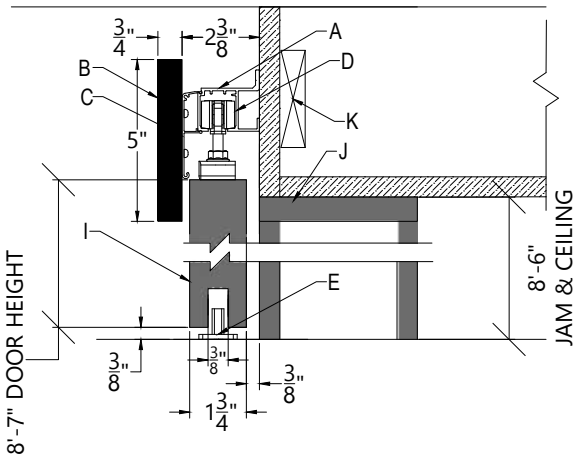
White Oak, Stained to match
Wilsonart Plastic Laminate
Beigewood 7850-60



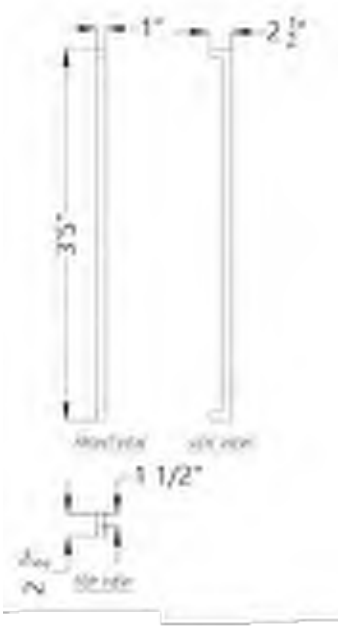
VALANCE



FLOOR GUIDE



WALL MOUNT



AC722G-41-4 PULL HARDWARE

TOWNEPLACE SUITES BY MARRIOTT

TownePlace Suites- Gen 5 New Build

DR-FLEX-PARTITION

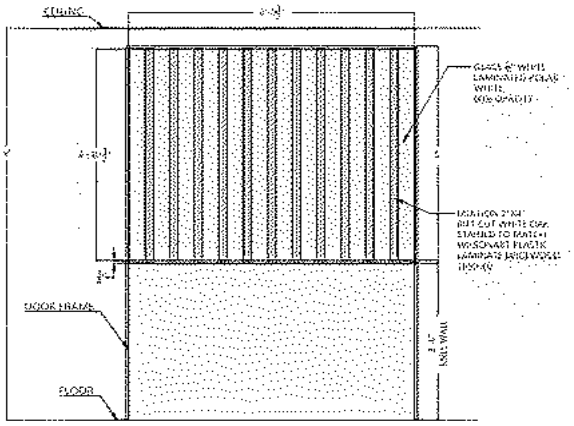
BUILDING PRODUCT MANUAL

Doors

Vendor Name Architectural Concepts
Vendor Item ID: ACFL402_SS

Issue Date: 13-Feb-20
Revision Date:

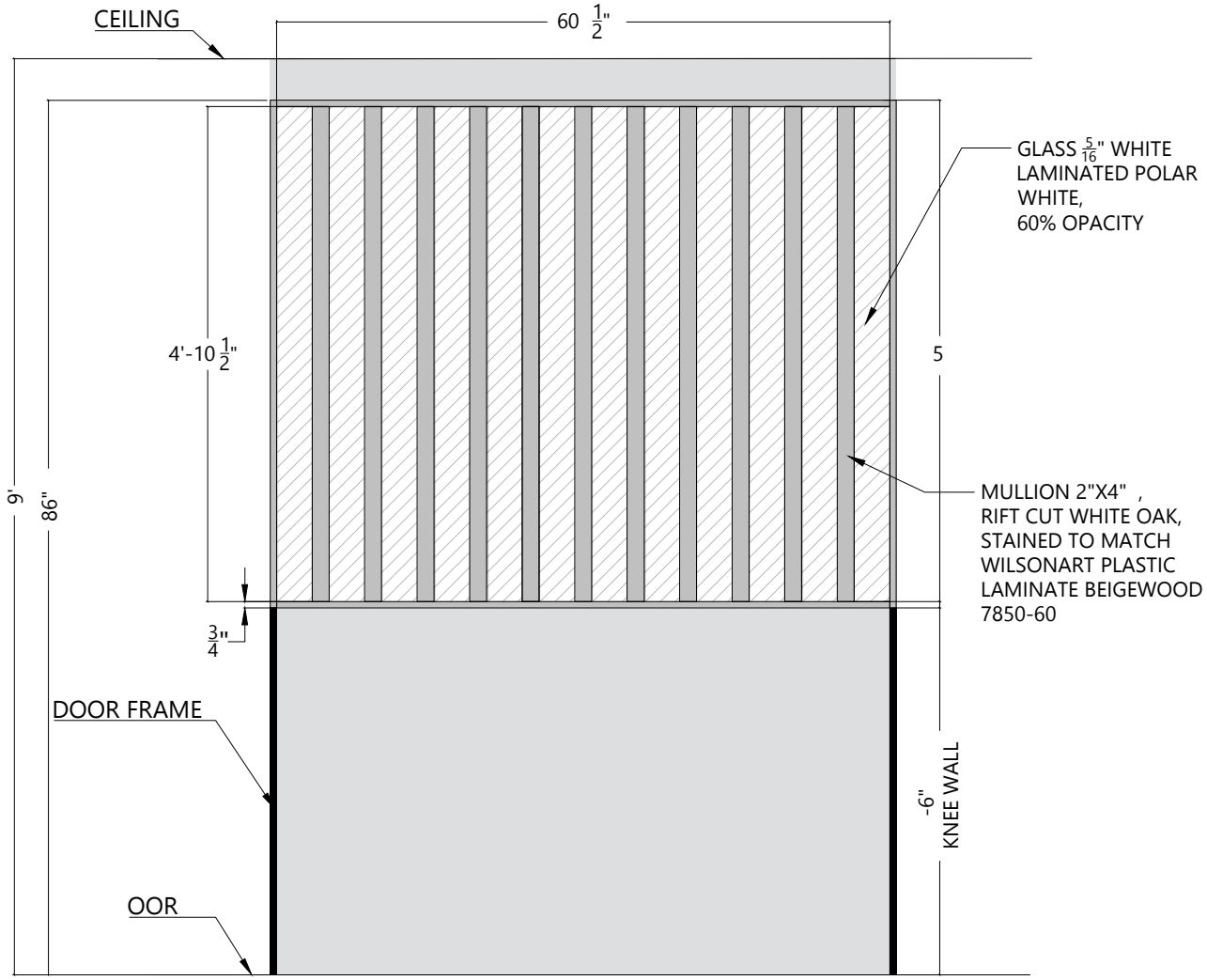
Item Name:	Public Space Flex Partition (Wood Stile & Rail)
Description:	Flex Door
Manufacturer:	Architectural Concepts
Door Type:	Parition SS (Square Sticking), White Laminated Glass Polar White 60%, basis of design Architectural Concepts ACFL402 SS
Manufacturer	Architectural Concepts
Product Number	ACPARTITION_SS-C
Dimensions:	Refer To Door Schedule
Thickness:	1-3/4"
Material Core:	LVL with RCWO Veneers- Solid Edgebanding LVL (Laminated Veneer Lumber) Stiles- LVL with RCWO Veneers and Solid Edgebanding Rails- LVL with RCWO Veneers and Solid Edgebading
Face Finish:	Rift Cut White Oak to match Wilsonart Beige Wood 7850-60
Color:	Stained to match Wilsonart Beige Wood 7850-60
Hardware:	NA
Accoustical :	NA
Glazing:	5/16" White Lamianted Safety Glass- Polar White 60%
Louver:	N/A
Note:	Finished Goods Containing Composite Wood Products must comply with California Code of Regulations 93120; Products and Cartons will be labled in accordance with this regulation
Quality Standards:	Complies with ANSI/WDMA I.S. 6A-13 Interior Architectural Stile and Rail Doors
Lead Times:	10-12 Weeks
Warranty:	Limited Lifetime

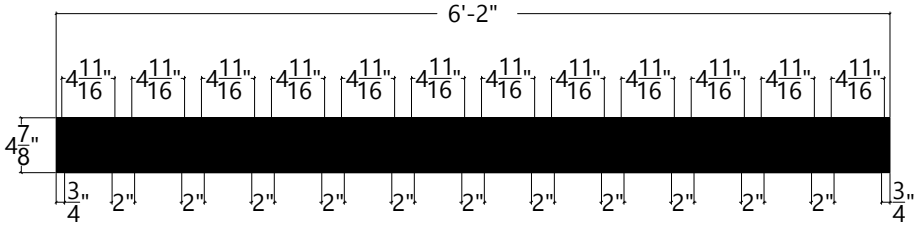


SPECIAL INSTRUCTIONS:

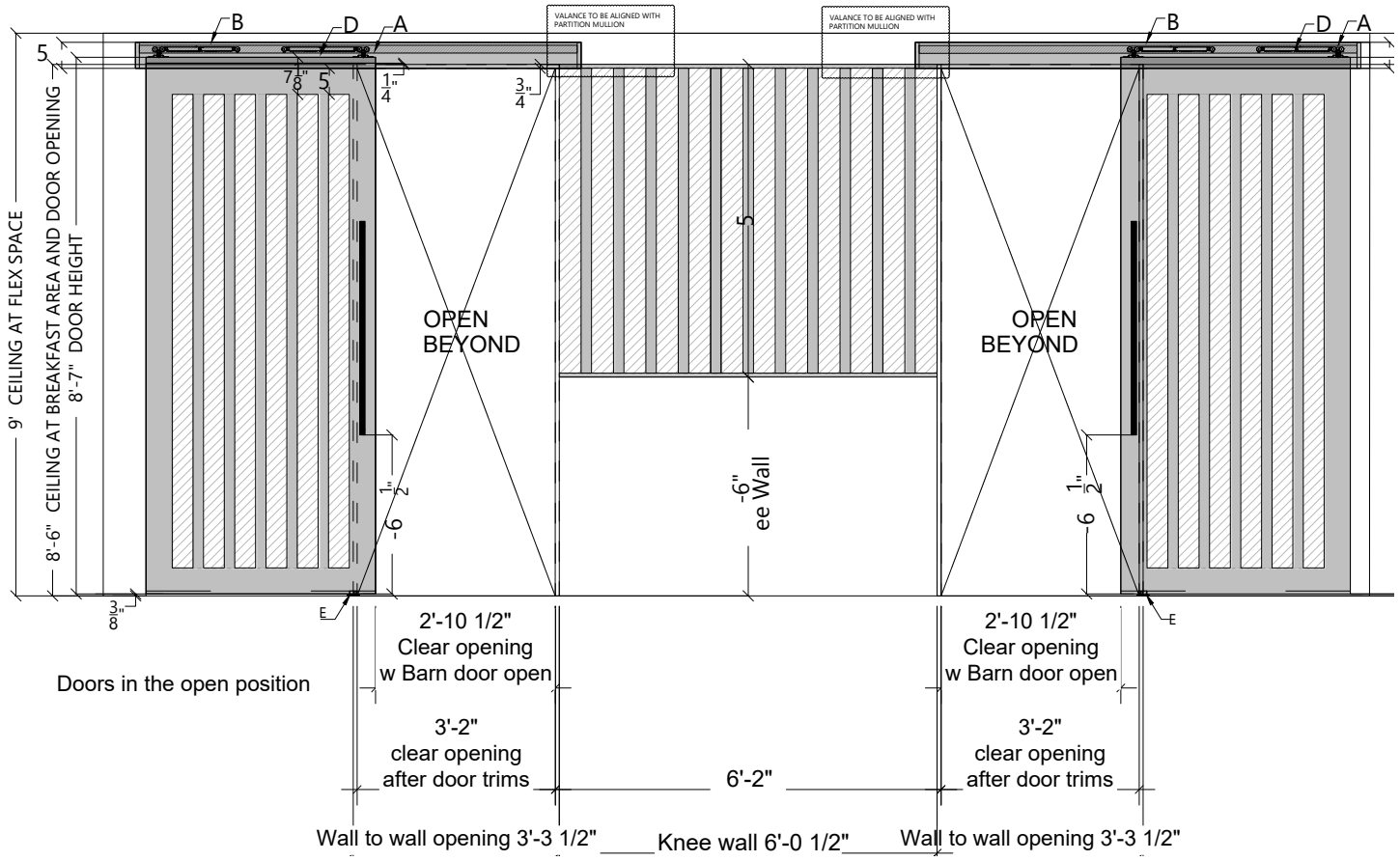
MANUFACTURER	**AREAS**
Architectural Concepts Scott Colby or Dan Benz (720)-259-5358 scolby@archconceptsllc.com dbenz@archconceptsllc.com	Public Space- Flex Space
ALTERNATE MANUFACTURER 1	
ALTERNATE MANUFACTURER 2	
ALTERNATE MANUFACTURER 3	

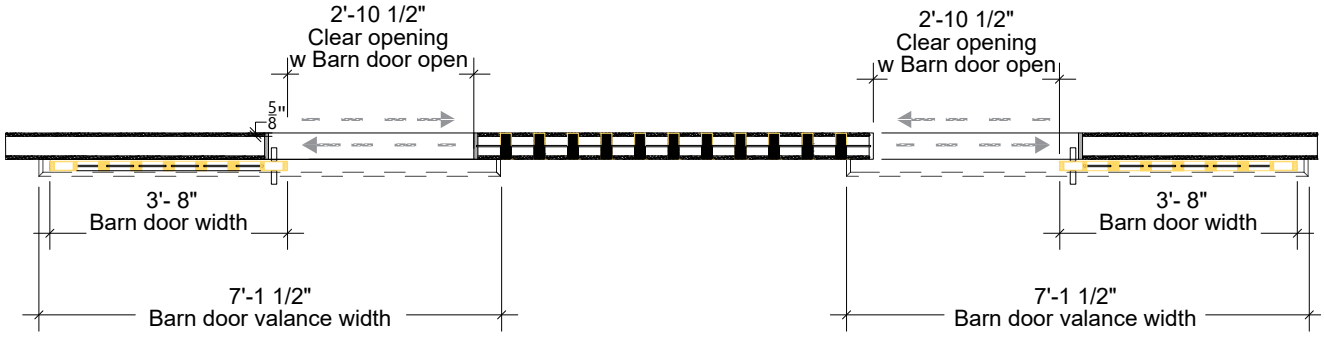
FLEX PARTITION

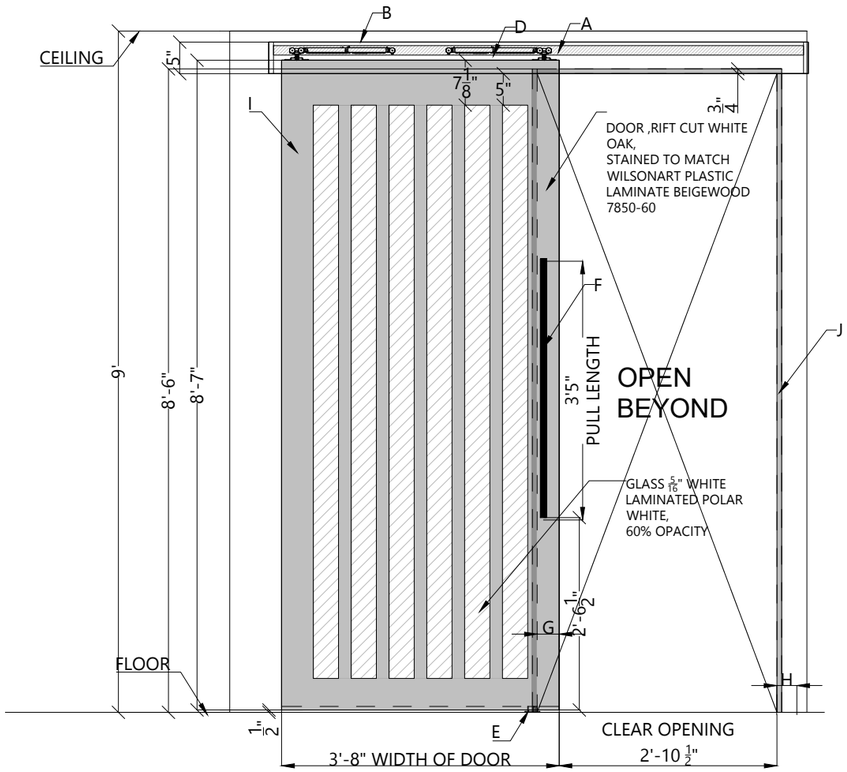




BARN DOOR IN OPEN POSITION



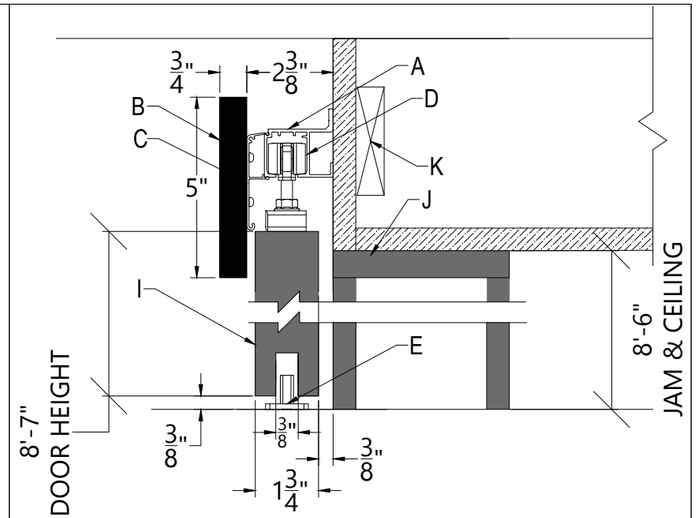




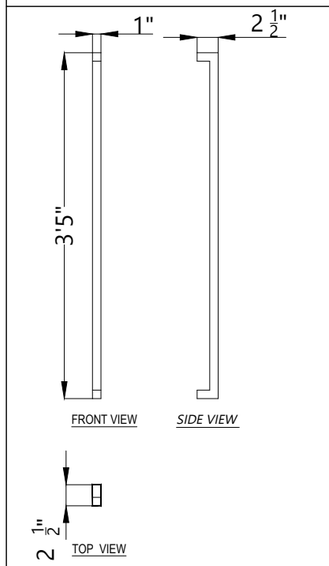
ACCL80SC - BARN DOOR DETAIL
1'-0"

KEYNOTES:
A. Track
B. Valance
C. Valance Track Clip
D. Trolley hardware with integrated soft close mechanism
Top hung sliding door slido classic 120-p L.A.R-hafele
E. Floor guide.
F. Custom door Pull by Architectural Concepts
G. Side of door overlap at open position
H. Side of door overlap at close position
I. Door
J. Door Trim
k. Blocking

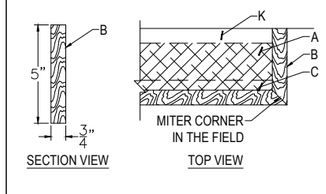
NOTES:
1. All measurements must be field verified by Architectural Concepts or by G.C.
2. Please follow care and handling instructions for doors and hardware.
3. AC will submit drawings for approval before ordering any material.
4. Layout and configurations can be customized to customer's needs.



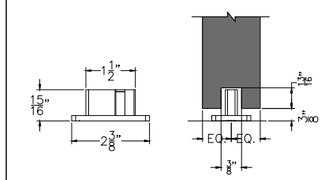
BARN DOOR - WALL MOUNT
3" = 1'-0"



PULL AC722G-41-4
TIGER 049-66230
6" = 1'-0"



VALANCE DETAIL
3" = 1'-0"



FLOOR GUIDE
6" = 1'-0"

☐ Approved
☐ Approved as noted
☐ Revise & resubmit

Date:_____ Order#_____
Title:_____
Approved By:_____
Drawing Version:_____

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D.720.259.5358
E.Info@archconceptsllc.com

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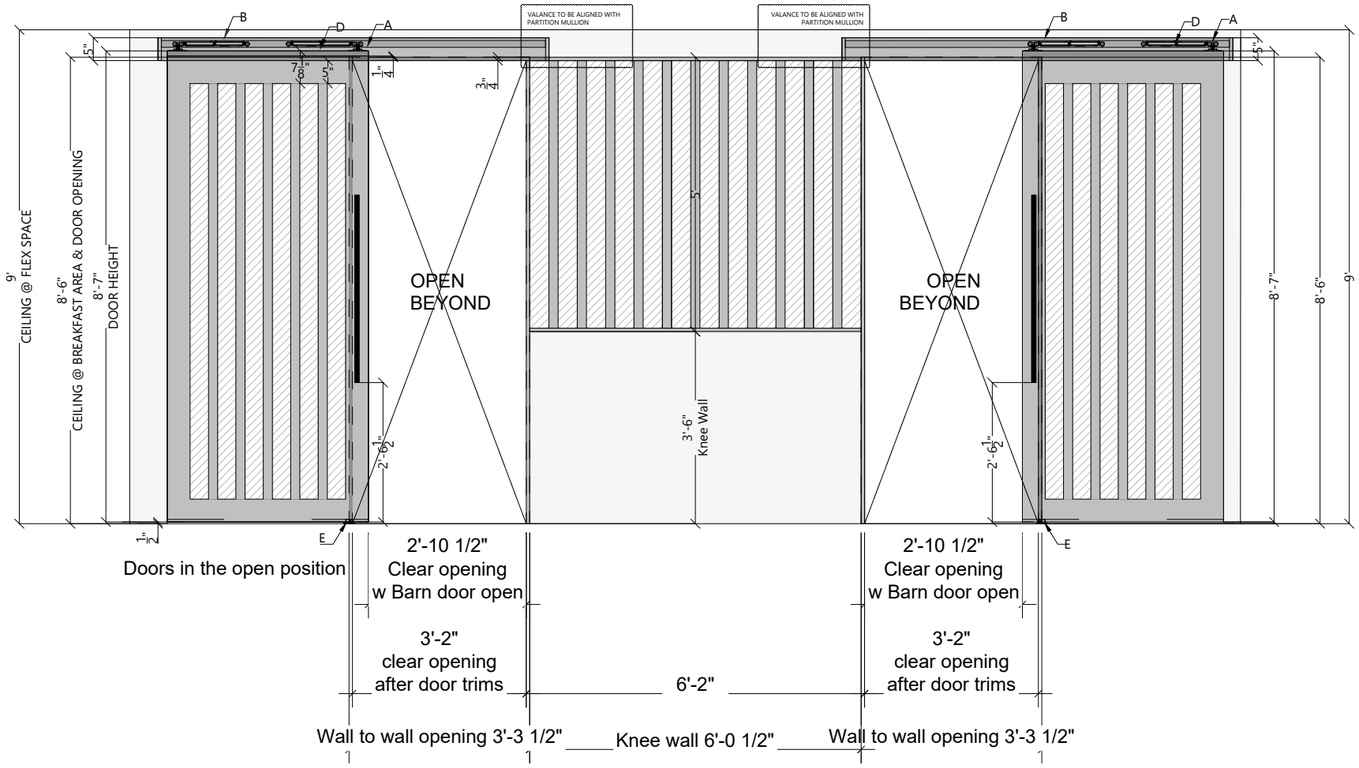
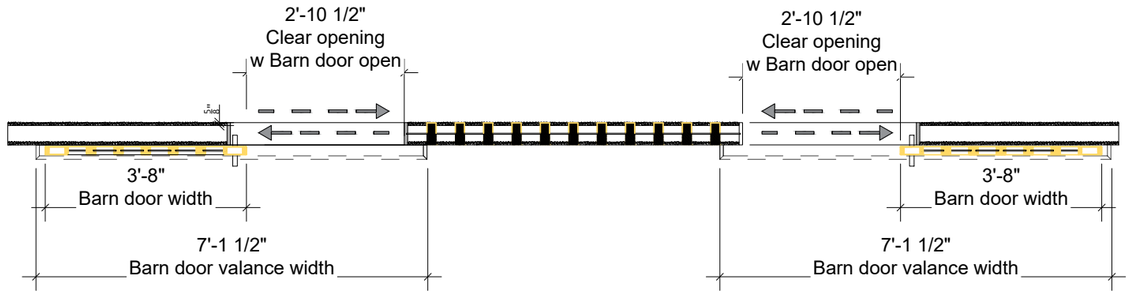
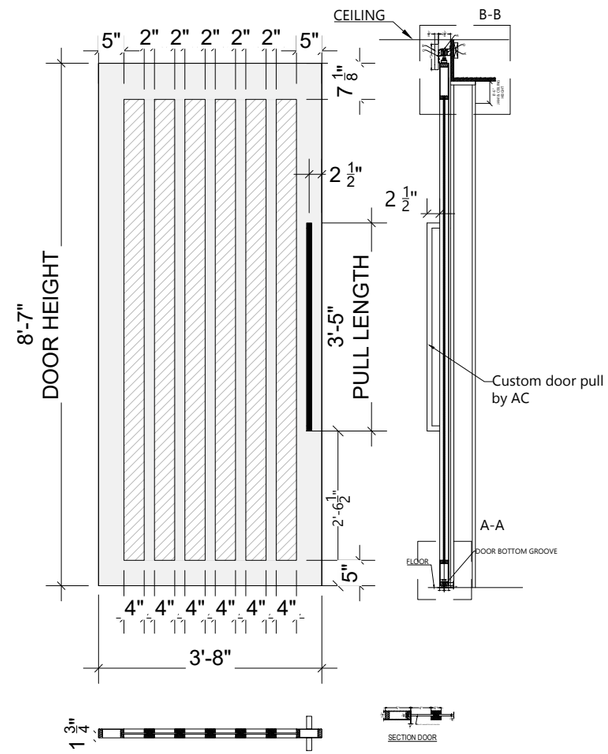
Parker, CO 80134



ACCL80SC - BARN DOOR IN THE OPEN POSITION
1'-0"





ACCL80SC - BARN DOOR
1'-0"

- ☐ Approved
- ☐ Approved as noted
- ☐ Revise & resubmit

Date:_____ Order#_____
Title:_____
Approved By:_____
Drawing Version:_____

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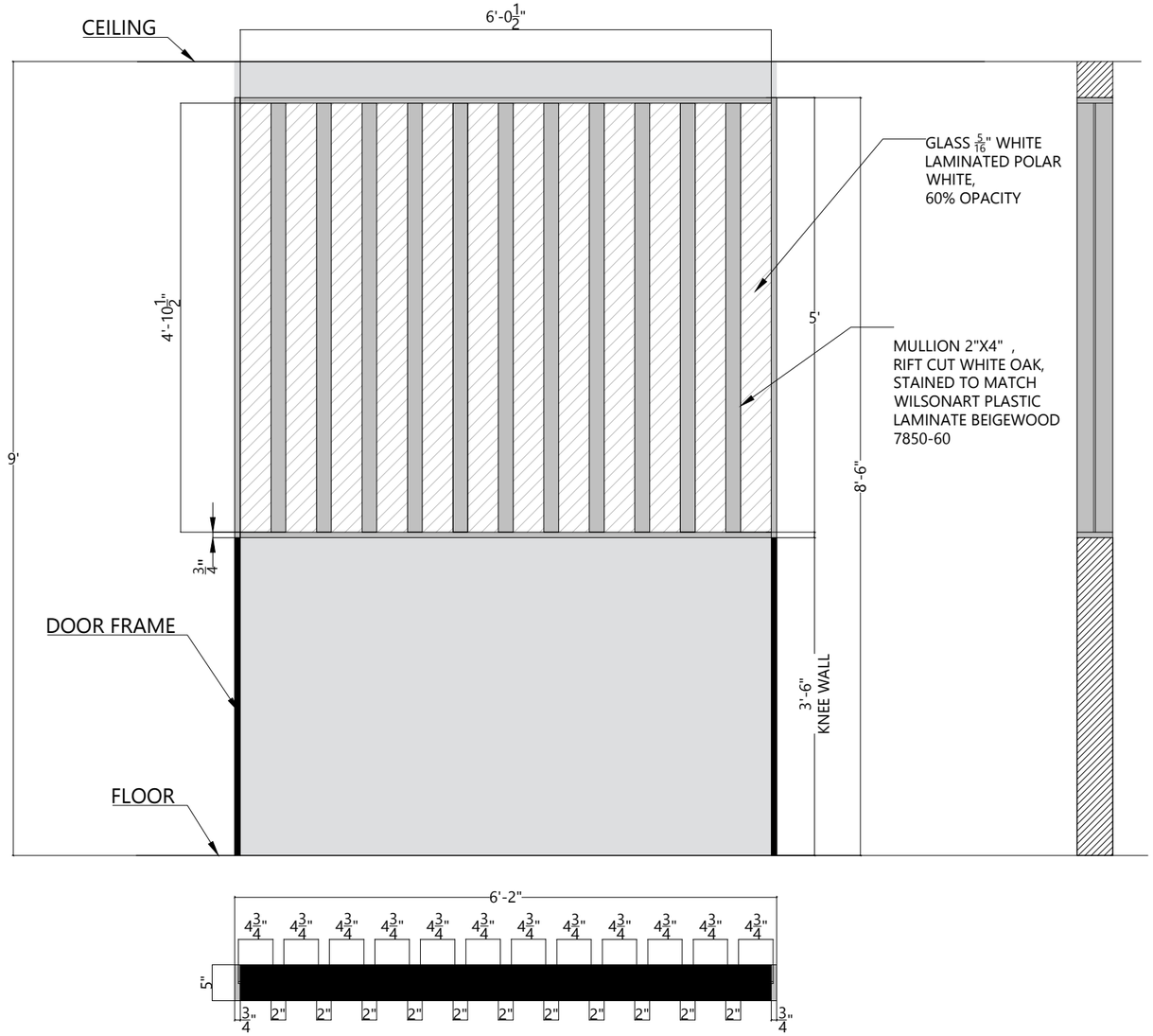
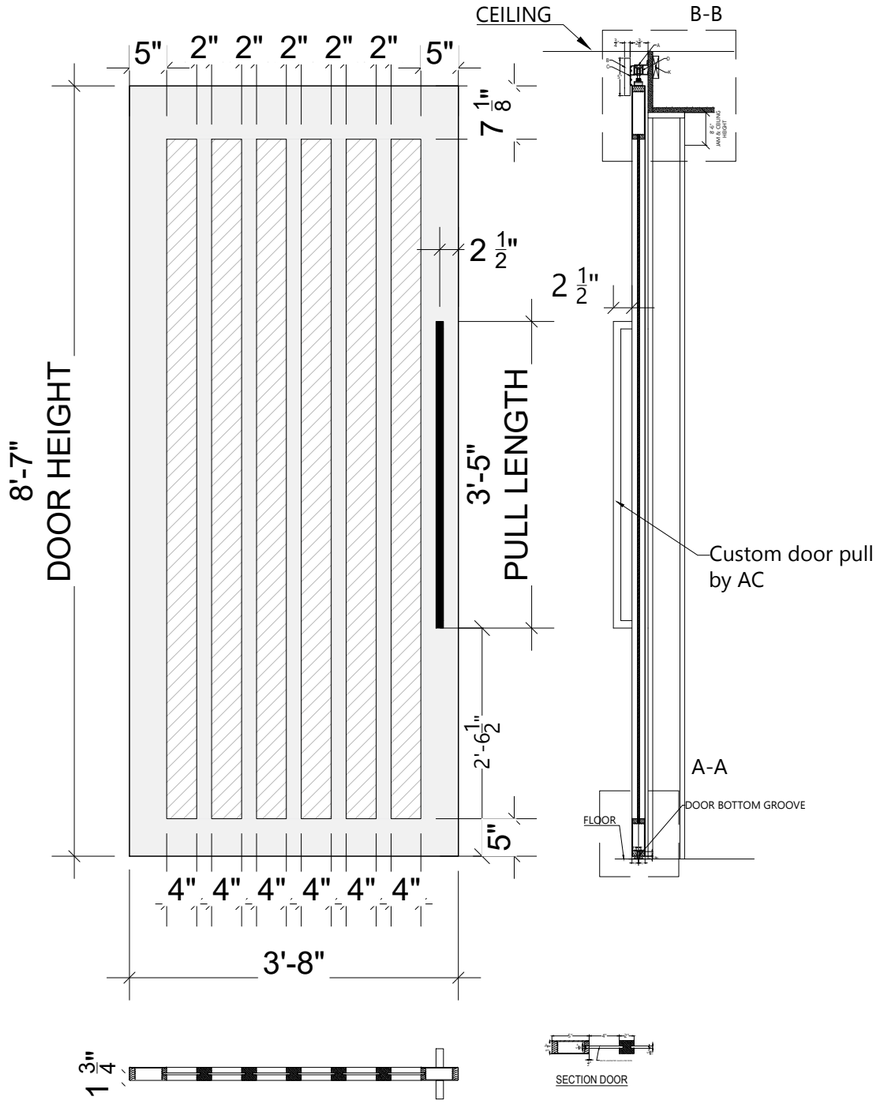
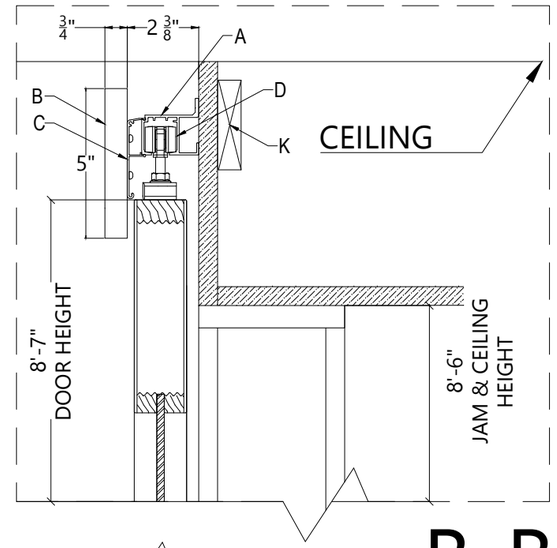


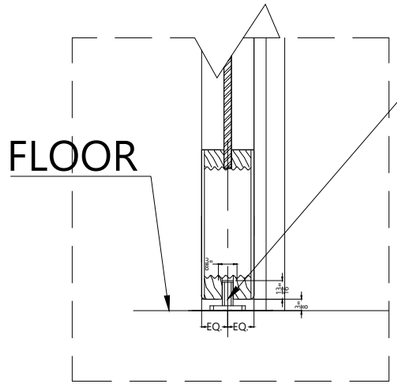
PARTITION WALL
1'-0"

	☐ Approved ☐ Approved as noted ☐ Revise & resubmit	Date:_____ Order#_____ Title:_____ Approved By:_____ Drawing Version:_____	Architectural Concepts O.888.248.2724 D.720.259.5358 E.Info@archconceptsllc.com 18499 Longs Way Suite 102 Parker, CO 80134





B-B



A-A

ACCL80SC - BARN DOOR
1'-0"

□ Approved
□ Approved as noted
□ Revise & resubmit

Date:_____ Order#_____
Title:_____
Approved By:_____
Drawing Version:_____

Architectural Concepts

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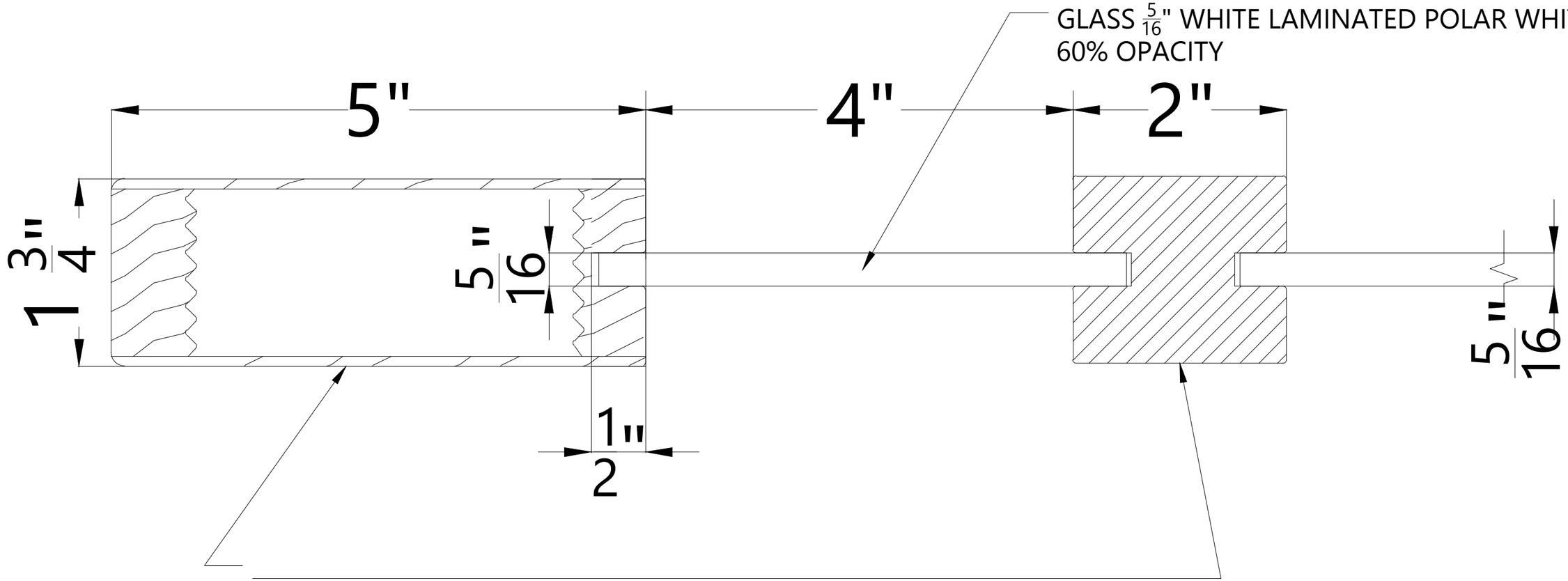


DR-009-AC

SECTION DOOR

		□ Approved □ Approved as noted □ Revise & resubmit	Date:_____ Order#_____ Title:_____ Approved By:_____ Drawing Version:_____	Architectural Concepts O.888.248.2724 D.720.259.5358 E.Info@archconceptsllc.com 18499 Longs Way Suite 102 Parker, CO 80134

TOWNEPLACE SUITES BY MARRIOTT

TownePlace Suites- Gen 5 New Build
Door Hardware Schedule-Guestrooms

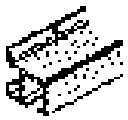
DR-008-AC

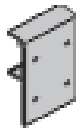
BUILDING PRODUCT MANUAL

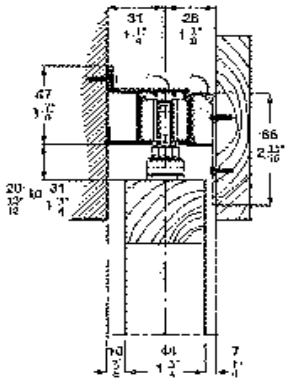
Door Hardware

Issue Date: 20-Dec-19
Revision Date:

Item Name	Track Hardware
Description	ACCL80SC Sidewall Mount barn door track with dual
CSI Division	87100
Manufacturer	Architectural Concepts
Model Number	ACCL80SC
Finish/Color	Mill Aluminum
Features	Heavy Duty, door opening from 70-100 degrees
Quality Standards:	Exceeds ANSI Standards
Lead Times:	1-2 Weeks
Warranty:	Limited Lifetime
Eco Features as Per Manufactuer	N/A







SPECIAL INSTRUCTIONS:

MANUFACTURER

Architectural Concepts
Scott Colby or Dan Benz (720)-259-5358 scolby@archconceptsllc.com
dbenz@archconceptsllc.com

ALTERNATE MANUFACTURER 1

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

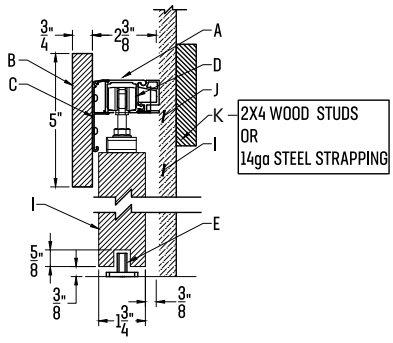
AREAS

Flex

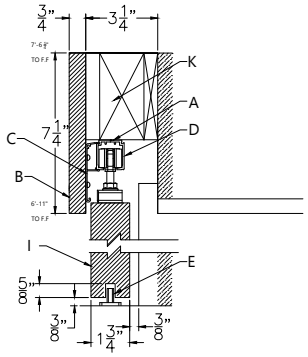
ACCL80SC

Barn Door

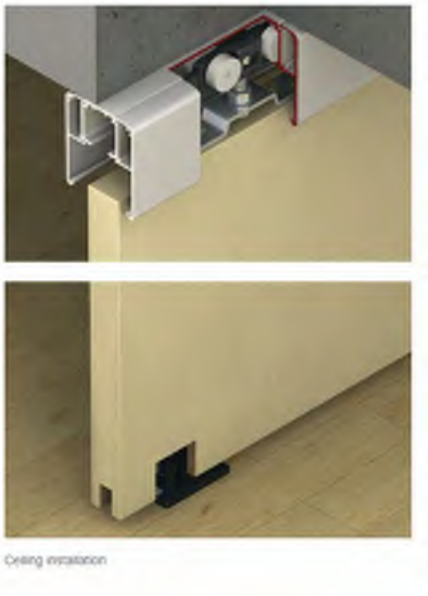
OPTIONS

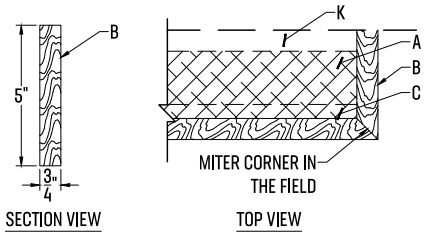


Model: ACCL80SC Wall mount
Description: Top Mounted Trolley
Finish: Stainless Steel



Model: ACCL80SC Soffit mount
Description: Top Mounted Trolley
Finish: Stainless Steel



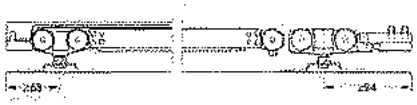


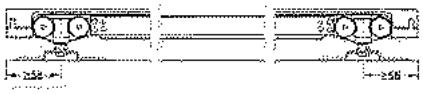
KEYNOTES:

A. Track
B. Valance
C. Valance Track Clip
D. Trolley hardware with integrated soft close mechanism
E. Floor guide
I. Door
J. Door Trim
K. Blocking

DESCRIPTION: Sliding barn door system with "Dual Soft Closer", anodized aluminum track with continuous aluminum support & valance as well as floor guides and hardware.

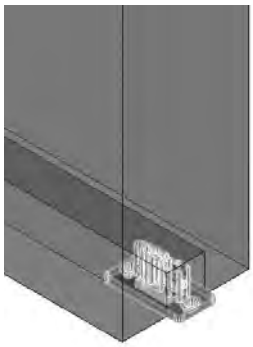
Handling to be verified by GC or Architectural Concepts. Door to be at least 2" wider than finished opening to properly overlap each side for privacy. Door is either primed MDF or Prefinished wood - TBD by Designer. Valance is either primed MDF or Prefinished wood - TBD by Designer. Max. door weight is 176 lbs.

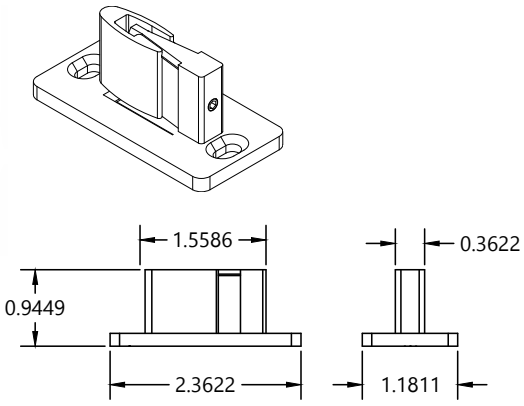
SOFT CLOSE ONE SIDE

SOFT CLOSE BOTH SIDES



TRACK WITHOUT SOFT CLOSE

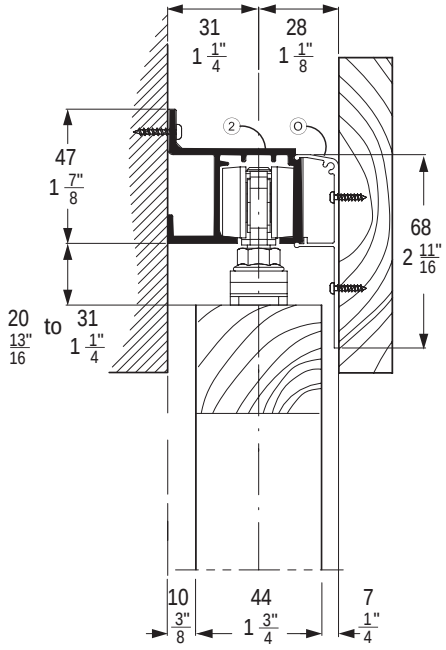
FLOOR GUIDE *(included with ACCL80SC)*



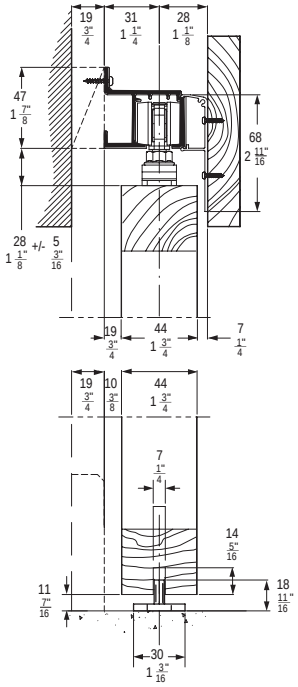


ACCL80SC

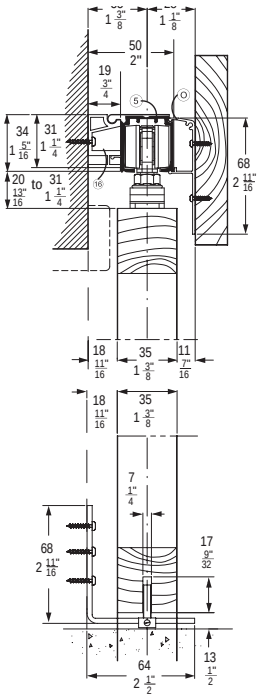
Mounting Options

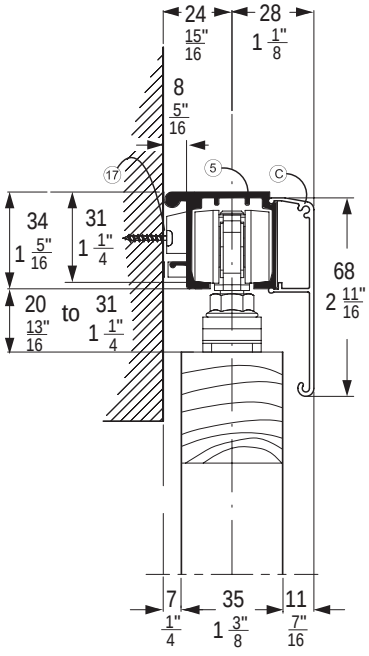


1 3/4" door with wall mounted track #2 and fascia clip O



1 3/4" door with wall mounted track #2, fascia O and floor mounted guide

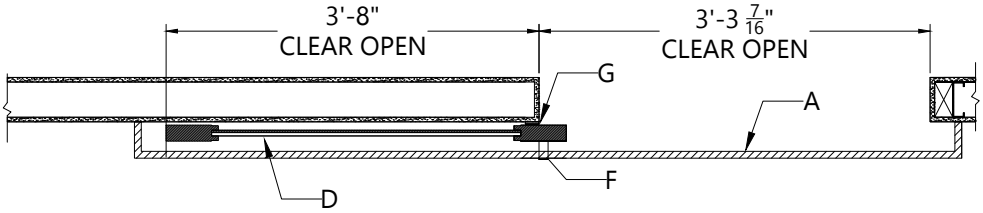




1 3/8" door with wall mounted track #5, fascia clip C and mounting rail #17

ACCL80SC

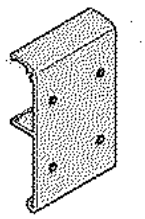
Plan View



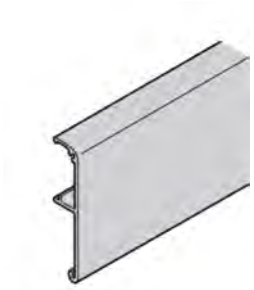
KEYNOTES:

A. Valance, Profile F
D. Wood door with 100% opaque laminated glass
F. Pull handle AC5336
G. Pull hardware AC4251
H. Door stop, Profile A
J. Door STOP Profile B
K. Privacy trim, Profile C
R. 3/8" Flat panel on the back in the same mocha firwood plastic laminated
S. 1/4" painted white glass panel on the bedroom side

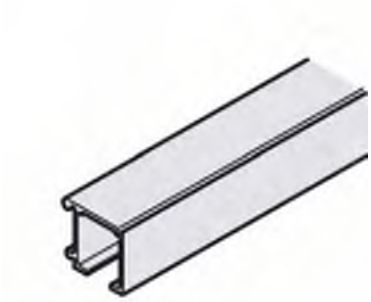
Parts



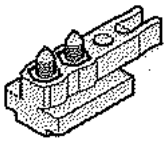
Fixing Clip



Clip Fascia



Single Upper Track



Track Buffer

Trolley and Soft Close

Running Gear

TOWNEPLACE SUITES BY MARRIOTT

TownePlace Suites- Gen 5 New Build
Door Hardware Schedule-Guestrooms

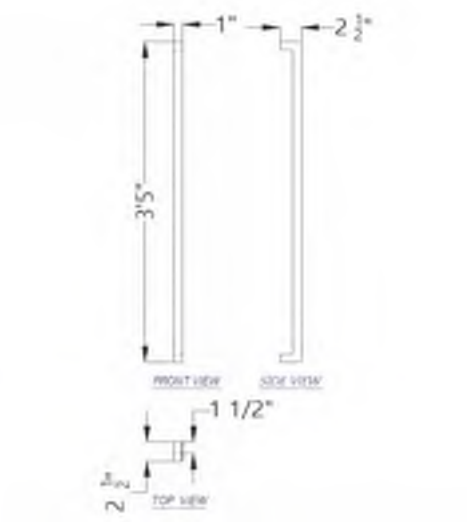
DR-008-AC

BUILDING PRODUCT MANUAL

Door Hardware

Issue Date: 20-Dec-19
Revision Date:

Item Name	Door Pull
Description	Back to Back Door Pull
CSI Division	87100
Manufacturer	Architectural Concepts
Model Number	AC722G-41-4
Dimensions	1" x 41" Bronze
Material Content	Cast Bronze
Finish/Color	Tiger 049-66230
Quality Standards:	NA
Lead Times:	10-12 Weeks
Warranty:	3 Year Limited
Eco Features as Per Manufactuer	N/A



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dbenz@archconceptsllc.com

ALTERNATE MANUFACTURER 1

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

AREAS

Flex

AC722G-41-4

PULL HARDWARE

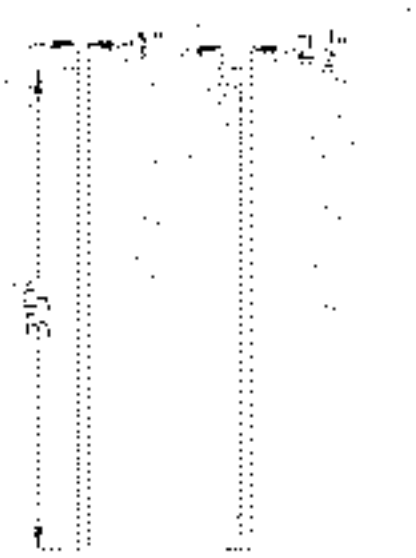
SPECIFICATIONS

FINISHES
Tiger 049-66230

MATERIAL
CAST BRONZE

MODEL
AC722G-41-4

DIMENSIONS



FRONT SIDE

Architectural Concepts

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18499 Longs Way
Suite 102
Parker, CO 80134

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-008-RD

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Wood Door, Sliding and window assembly
Item Type	Wood door, sliding, and window with translucent insert
Description	1-Panel Sliding Doors with soft-close, One Side Overlap, Standard Style, Custom Vertical Lattice Window/fixed panel with Custom Vertical Lattice to match sliding door
Manufacturer	Raydoor
Model	Sliding, 1 Panel, One Side Overlap with Soft Close S1-SO-SC; Fixed Panel
Dimensions	As indicated on the Design Guideline Drawings; 2-1/4" thick
Color	Insert: Cloud
Finish	Frame Option 1 Finish: Timber Laminate; Frame Option 2 Finish: Rift Oak Veneer
Material Composition	Stiles and rails (Frames) Medium Density Fiberboard (NAUF MDF) sandwich 1/4" thick Acrylic Insert (Glazing) Layer
CSI #	081400 - Wood Doors
Omniclass #	22-081400 Wood Doors
Best Practices	Low-emitting materials, recycled content.
Quality Standards	ANSI/WDMA I.S. 6A-13 Interior Architectural Stile and Rail Doors
Accessibility Compliance	ADA and ANSI A117.1
Accessories	3/4" x 1-1/4" Wood Trim by General Contractor to Match Door Finish
Glazing	1/4" Acrylic Insert
Louver	NA`
Acoustical	NA
Hardware	Track and Hardware set with soft close; Back-to-Back Door ADA Pulls with Satin Stainless finish; Side Mounted Roller Latch; Recessed floor track
Door Type	Stile and rail
Fire Rating	NA
Quality Standards	ANSI/WDMA I.S. 6A-13 Interior Architectural Stile and Rail Doors
Core	NAUF MDF
Lead Time	8 Weeks
Warranty	One (1) year from the date of issuance of the certificate of occupancy

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS

Do not install surface mounted floor guide; provide recessed floor track to meet ADA requirements.

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-008-RD

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

MANUFACTURER

Vendor Name: Raydoor
Contact Name: Customer Service
Phone: 212.380.3846
Email: info@raydoor.com

ALTERNATE MANUFACTURER 2

Vendor Name: Architectural Concepts
Contact Name: Scott Colby
Phone: (720) 259-5358
Email: scolby@archconceptsllc.com

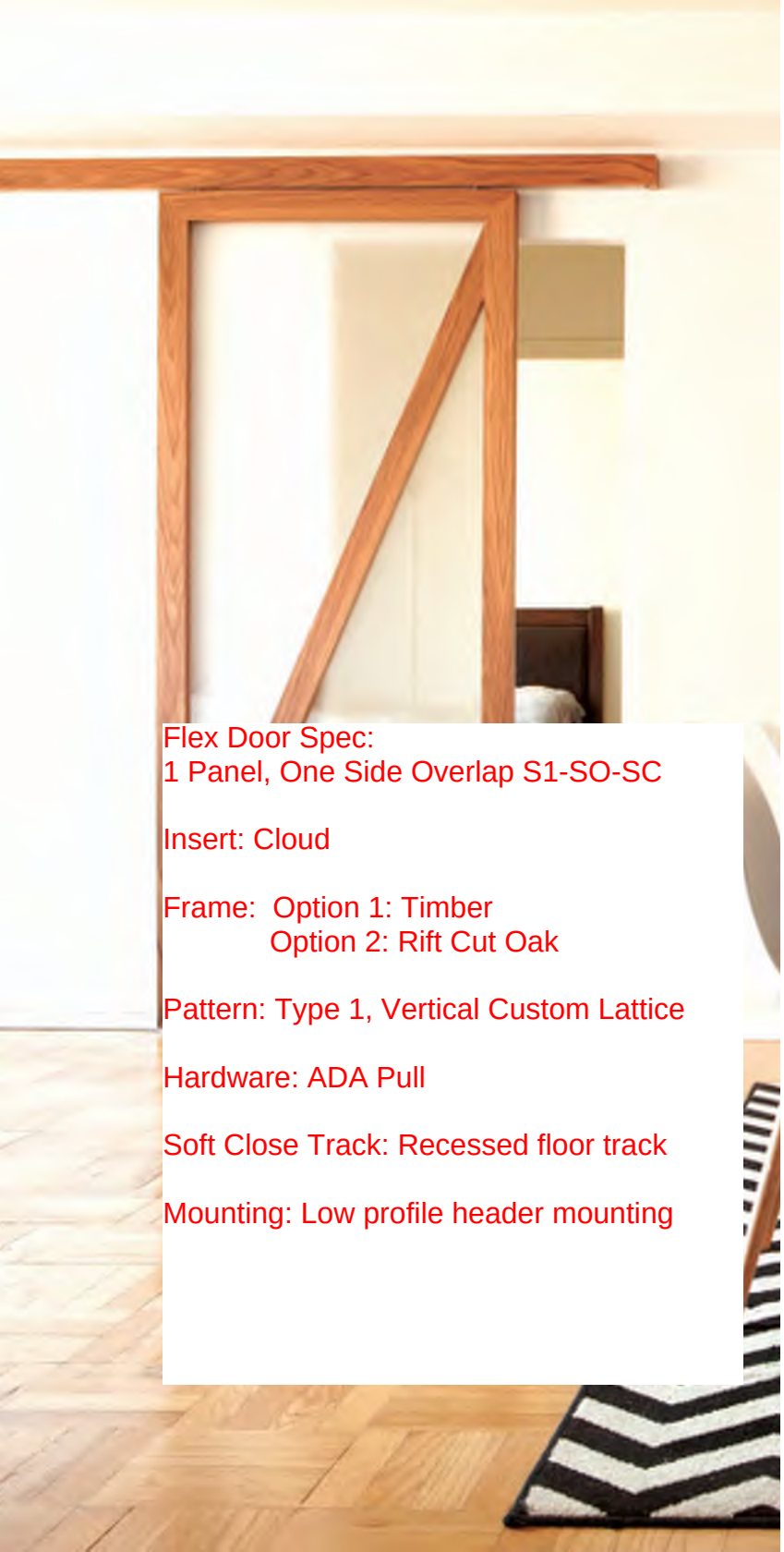
ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Flex

DR-008-RD



Flex Door Spec:
1 Panel, One Side Overlap S1-SO-SC

Insert: Cloud

Frame: Option 1: Timber
Option 2: Rift Cut Oak

Pattern: Type 1, Vertical Custom Lattice

Hardware: ADA Pull

Soft Close Track: Recessed floor track

Mounting: Low profile header mounting

SINGLE SLIDING

Our single sliding doors are a great alternative for swinging doors, especially where narrow hallways restrict operation. Each door uses a small, floor mounted guide that is always concealed to align and stabilize the door where it overlaps with an adjacent wall.

For wall-mounted situations (barn-door style mounting), there are optional brackets and fascia available. Leave brackets exposed for an industrial look or use a fascia for a more finished appearance. Larger panel overlaps with adjacent walls increase privacy and striking to a jamb or wall (one-side overlap) allows for locking options.

Opening Width	Max Panel	Usage	Overlap	Clearance
22" to 70"	5×10 or 6×8	High Frequency	1/2" to 3"	Approx 95%

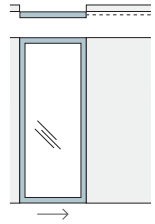
SYSTEM EXAMPLES

1 Panel

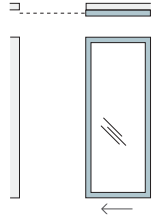
1 Panel - OneSide Overlap

2 Panel - Symmetrical

Closed



Open



LOOKING FOR MORE?
VISIT RAYDOOR.COM FOR
FULL PRODUCT DETAILS

DR-008-RD

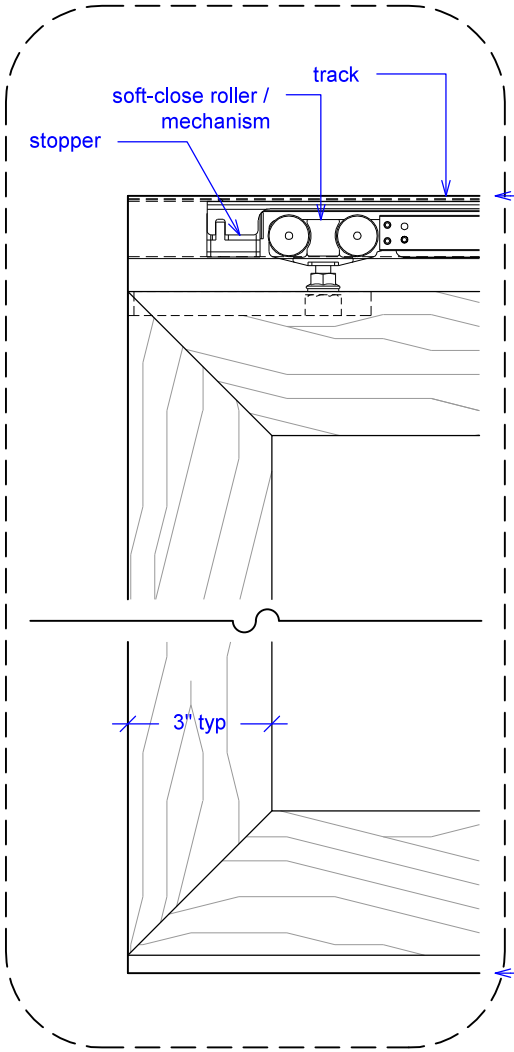
Sliding w/ Soft-Close, 1 Sided Overlap, 1 Panel

(S1-1SO-SC)

ELEVATION

RAYDOOR STANDARD
SYSTEM DRAWINGS
©2020

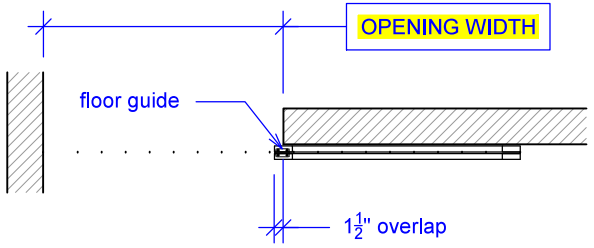
YOUR OPENING HEIGHT = PANEL + $2\frac{3}{8}$"
YOUR OPENING WIDTH = PANEL - 1"



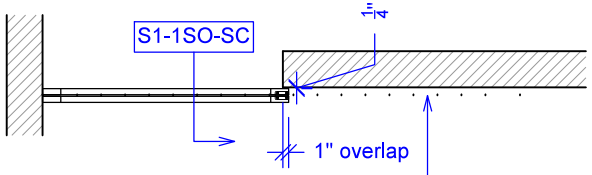
top of leveled track

finished floor

PLAN: open

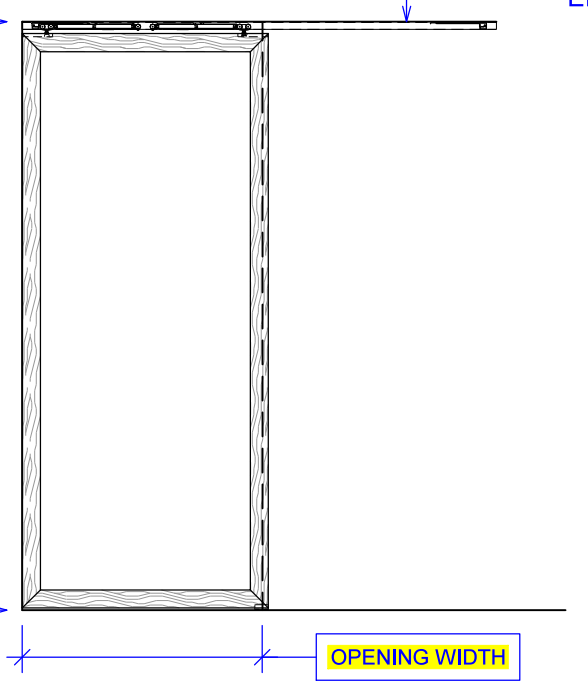


PLAN: closed



track

ELEVATION: closed



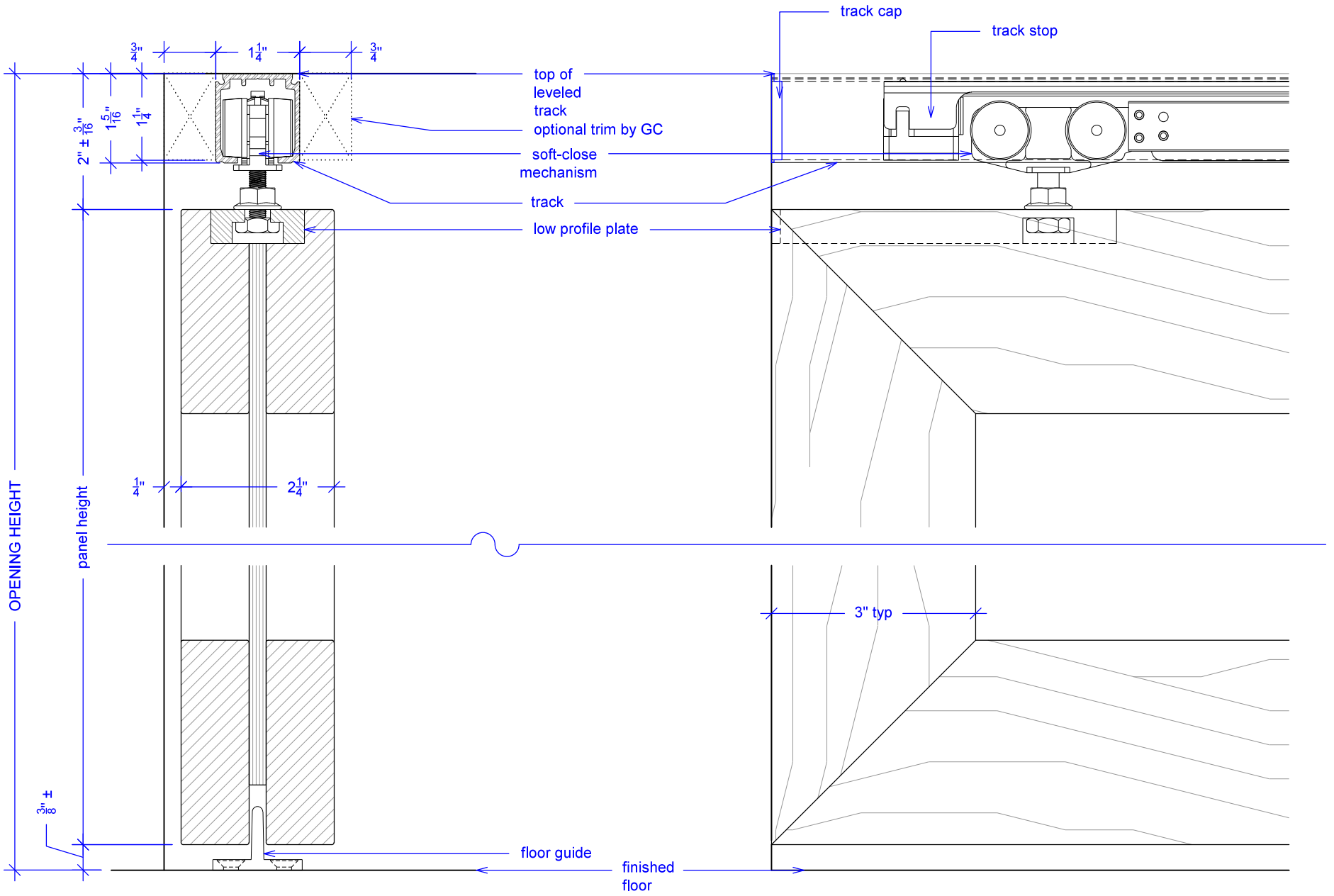
DR-008-RD

Sliding w/ Soft-Close, 1 Sided Overlap, 1 Panel

(S1-1SO-SC)

SECTION

RAYDOOR STANDARD
SYSTEM DRAWINGS
©2020



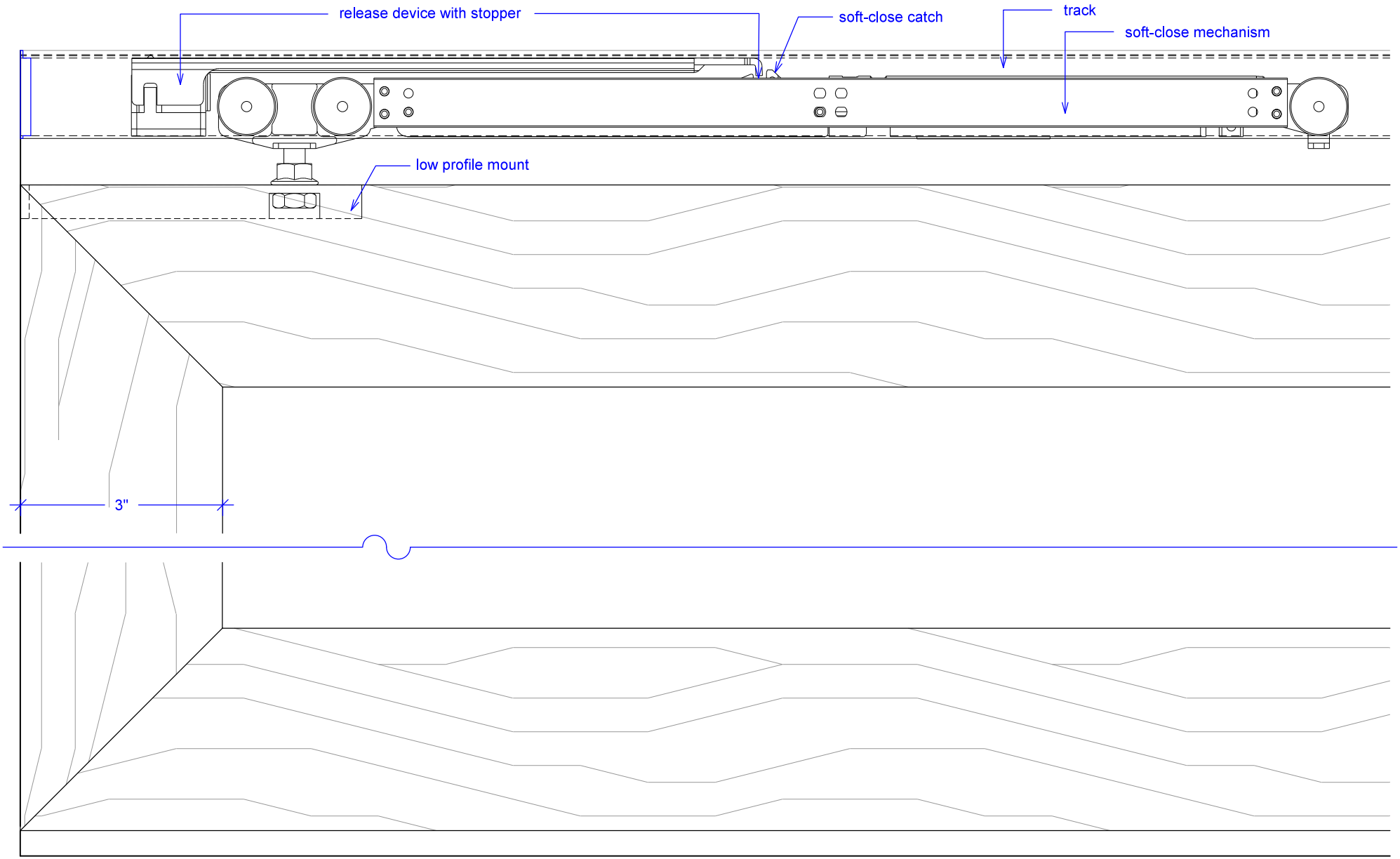
DR-008-RD

Sliding w/ Soft-Close, 1 Sided Overlap, 1 Panel

(S1-1SO-SC)

SOFT-CLOSE HARDWARE

RAYDOOR STANDARD
SYSTEM DRAWINGS
©2020



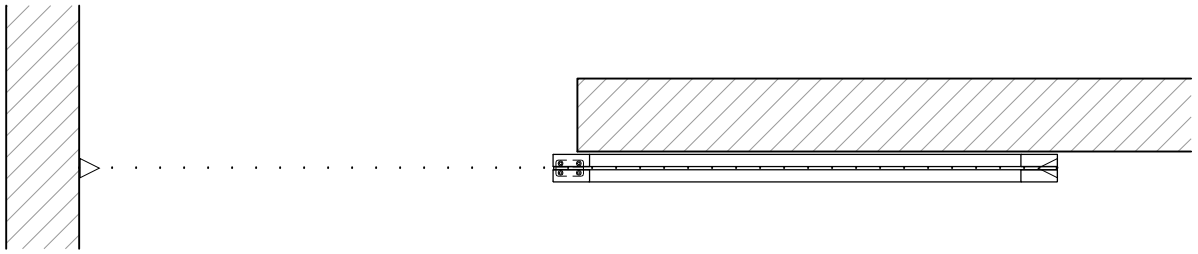
DR-008-RD

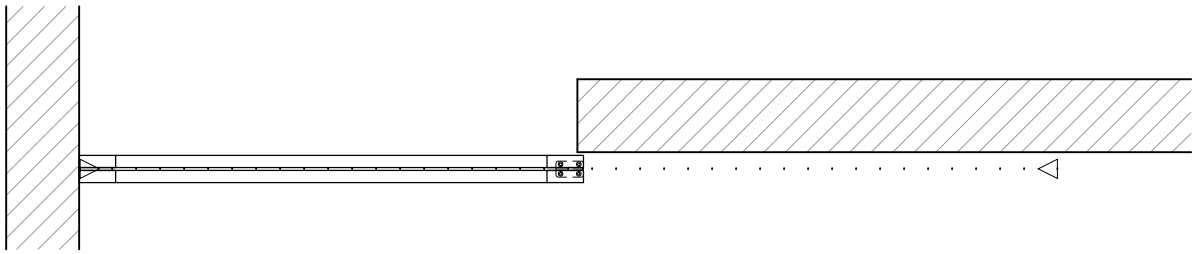
Sliding w/ Soft-Close, 1 Sided Overlap, 1 Panel

(S1-1SO-SC)

OPERATION OVERVIEW

RAYDOOR STANDARD
SYSTEM DRAWINGS
©2020





KEY:

floor guide

Stopper / release device

HARDWARE SPECIFICATION

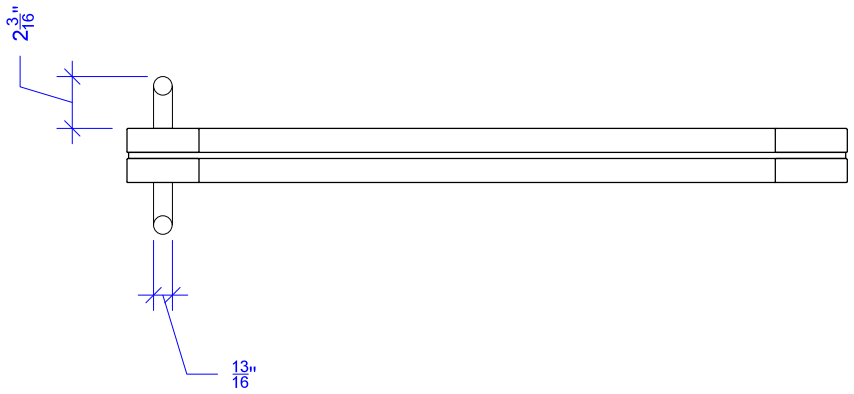
286 Handle

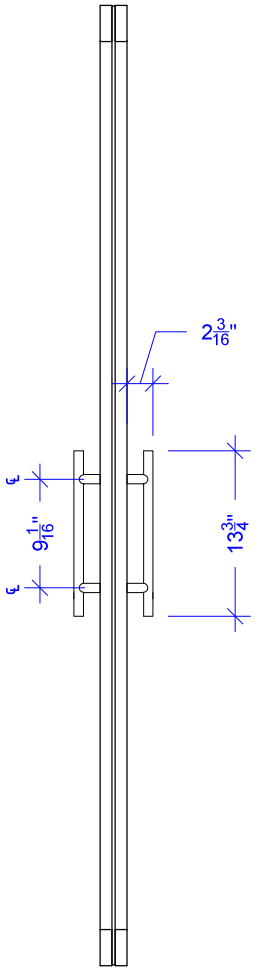
RAYDOOR®

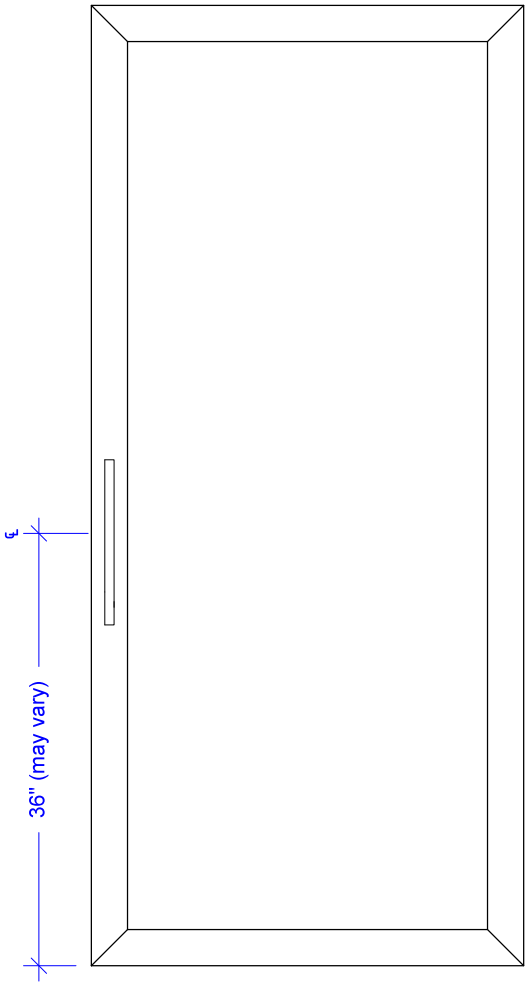
Date: 4 / 04 / 14

Page: 1

Finish to be Satin Stainless







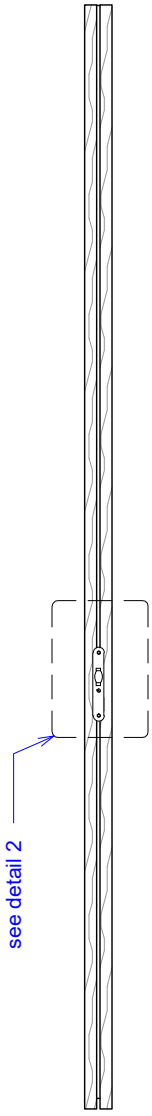
HARDWARE SPECIFICATION

Side -mounted Roller latch

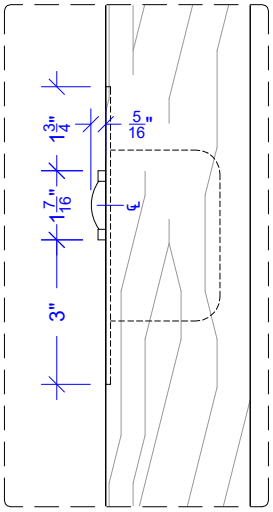
RAYDOOR®

Revised: 4 / 24 / 12

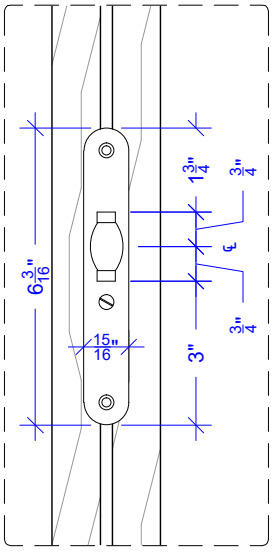
SIDE VIEW:



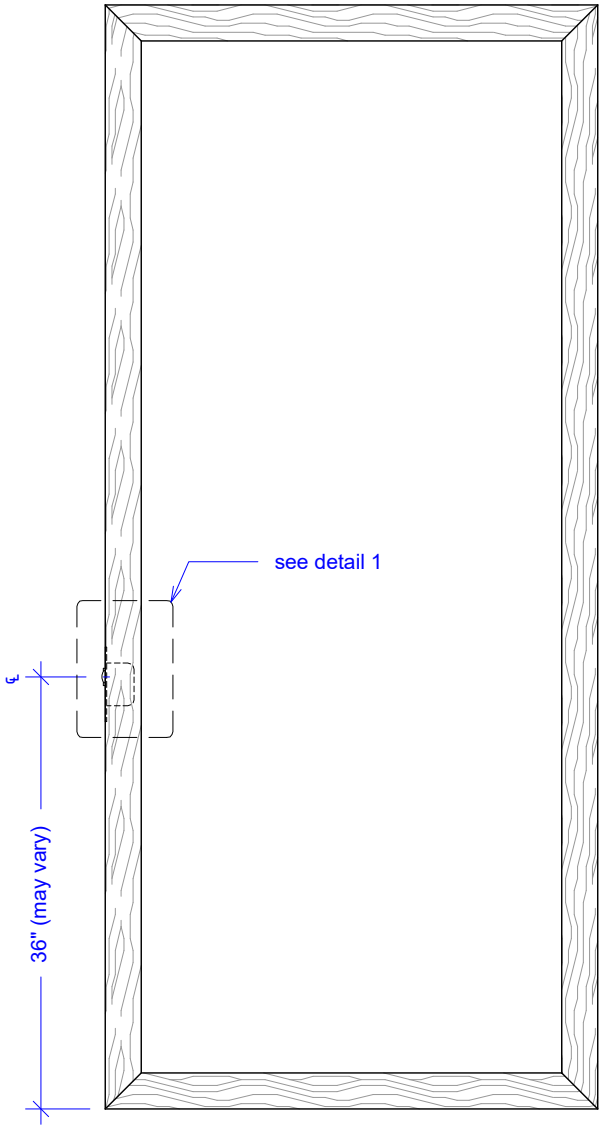
DETAIL 1:



DETAIL 2:



ELEVATION:



NOTE: some dimensions rounded to nearest 1/16"

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-009-RD

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Wood Door, Sliding Pocket
Item Type	Wood door, sliding pocket door
Description	1-Panel Sliding Pocket Door with soft-close, One Side Overlap, Standard Style, Custom Horizontal Slats as shown in Design Guideline Drawings
Manufacturer	Raydoor
Model	Sliding Pocket, 1 Panel SP1-SC
Dimensions	As indicated on the Design Guideline Drawings; 2-1/4" thick
Color	Painted to match Sherwin Williams SW 7005 Pure White
Finish	Frame Finish: Painted, Solid Inset Finish: White Laminate to match Sherwin Williams SW 7005 Pure White
Material Composition	Stiles and rails (Frames) Medium Density Fiberboard (NAUF MDF) sandwich 1/4" thick Acrylic Insert (Glazing) Layer
CSI #	081400 - Wood Doors
Omniclass #	22-081400 Wood Doors
Best Practices	Low-emitting materials, recycled content.
Quality Standards	ANSI/WDMA I.S. 6A-13 Interior Architectural Stile and Rail Doors
Accessibility Compliance	ADA and ANSI A117.1
Accessories	3/4" x 1-1/4" Wood Trim by General Contractor to Match Door Finish
Glazing	NA
Louver	NA`
Acoustical	NA
Hardware	Jamb lock, Rectangular Pull, Dust-Proof Strike, Flush Bolt, Soft close
Door Type	Stile and rail
Fire Rating	NA
Quality Standards	ANSI/WDMA I.S. 6A-13 Interior Architectural Stile and Rail Doors
Core	NAUF MDF
Lead Time	8 Weeks
Warranty	One (1) year from the date of issuance of the certificate of occupancy
Notes	Refer to Door Hardware schedule/index for hardware set if door manufacturer does not provide hardware.

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-009-RD

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

MANUFACTURER	AREAS
Vendor Name: Raydoor Contact Name: Customer Service Phone: 212.380.3846 Email: info@raydoor.com	Buffet
ALTERNATE MANUFACTURER 2	
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

SLIDING POCKET

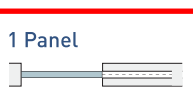
Our unique take on the sliding pocket door builds on its advantages of eliminating the need for clearance for a door swing and to completely disappear when not in use. To that we add the ability to fully extend a door from its pocket so that the complete stile and rail are visible.

The pocket door comes with an edge-mounted finger pull to retrieve it from the pocket. It also does not require a wider stile at the trailing end of the door for the stiles to look uniform when the door is extended (see technical detail below).

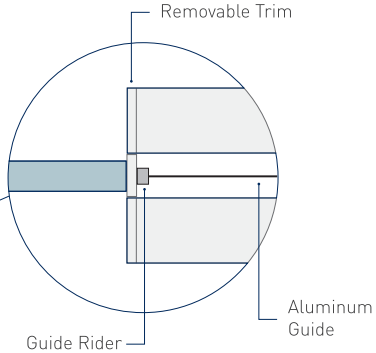
Opening Width	Max Panel	Usage	Overlap	Clearance
24" to 72"	5×10 6×8	High Frequency	None	100%

SYSTEM EXAMPLES

1 Panel



2 Panel - Symmetrical



Technical Detail: Pocket Guide

To make sure that our panels perform reliably in pockets we use a continuous aluminum guide on the floor of the pocket. This prevents the door from possibly scraping on the inside of the pocket and is engaged even when the door is extended out of pocket by our guide rider.

We recommend trim at the leading edge of the pocket that narrows the gap for a cleaner look.

DR-009-RD

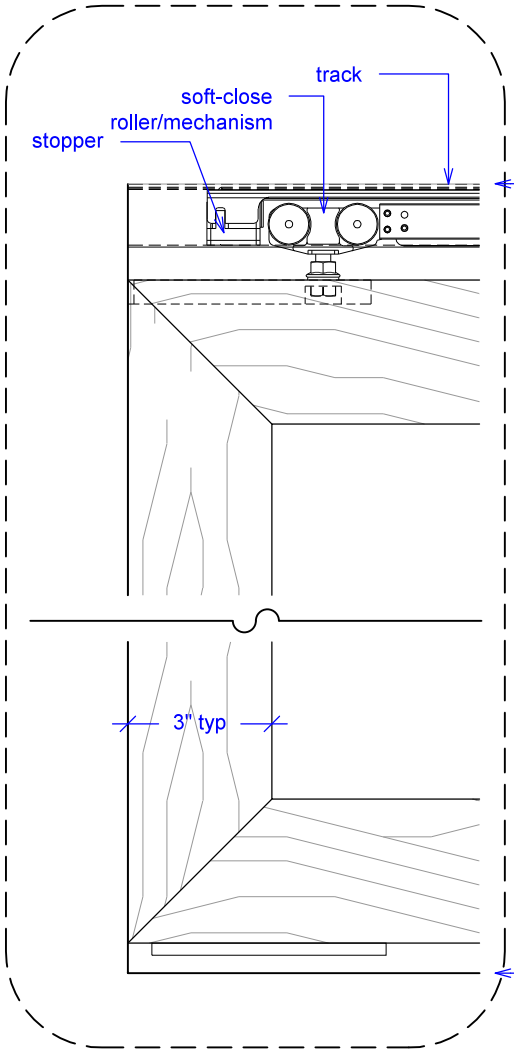
Sliding Pocket w/ Soft-Close, 1 Panel

(SP1-SC)

ELEVATION

RAYDOOR STANDARD
SYSTEM DRAWINGS
©2020

YOUR OPENING HEIGHT = PANEL + $2\frac{5}{8}$"
YOUR OPENING WIDTH = PANEL



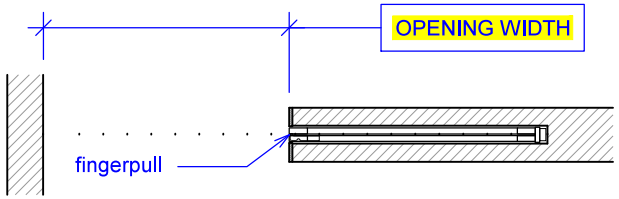
top of leveled track

finished floor

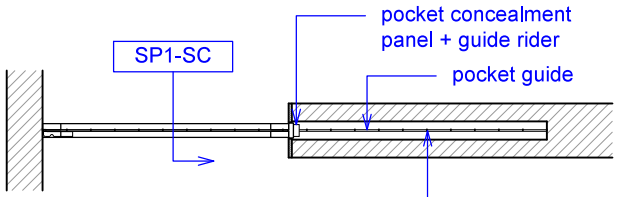
OPENING HEIGHT

36" fingerpull edge mount

PLAN: open

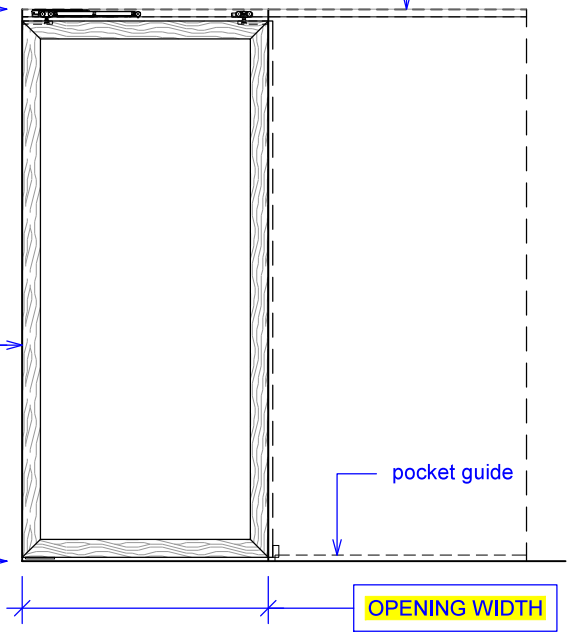


PLAN: closed



track

ELEVATION: closed



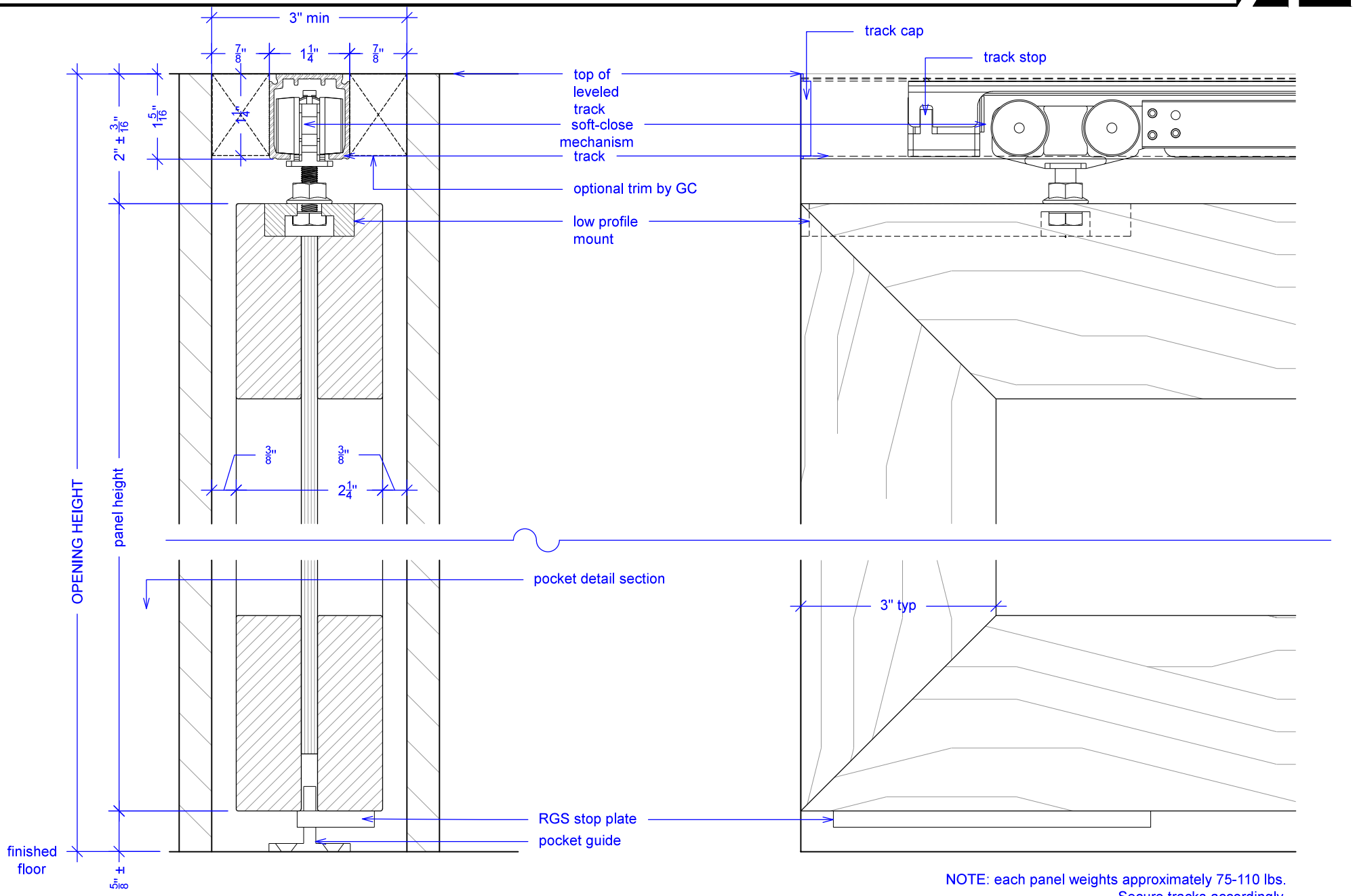
DR-009-RD

Sliding Pocket w/ Soft-Close, 1 Panel

(SP1-SC)

SECTION

RAYDOOR STANDARD
SYSTEM DRAWINGS
©2020



NOTE: each panel weights approximately 75-110 lbs.
Secure tracks accordingly.

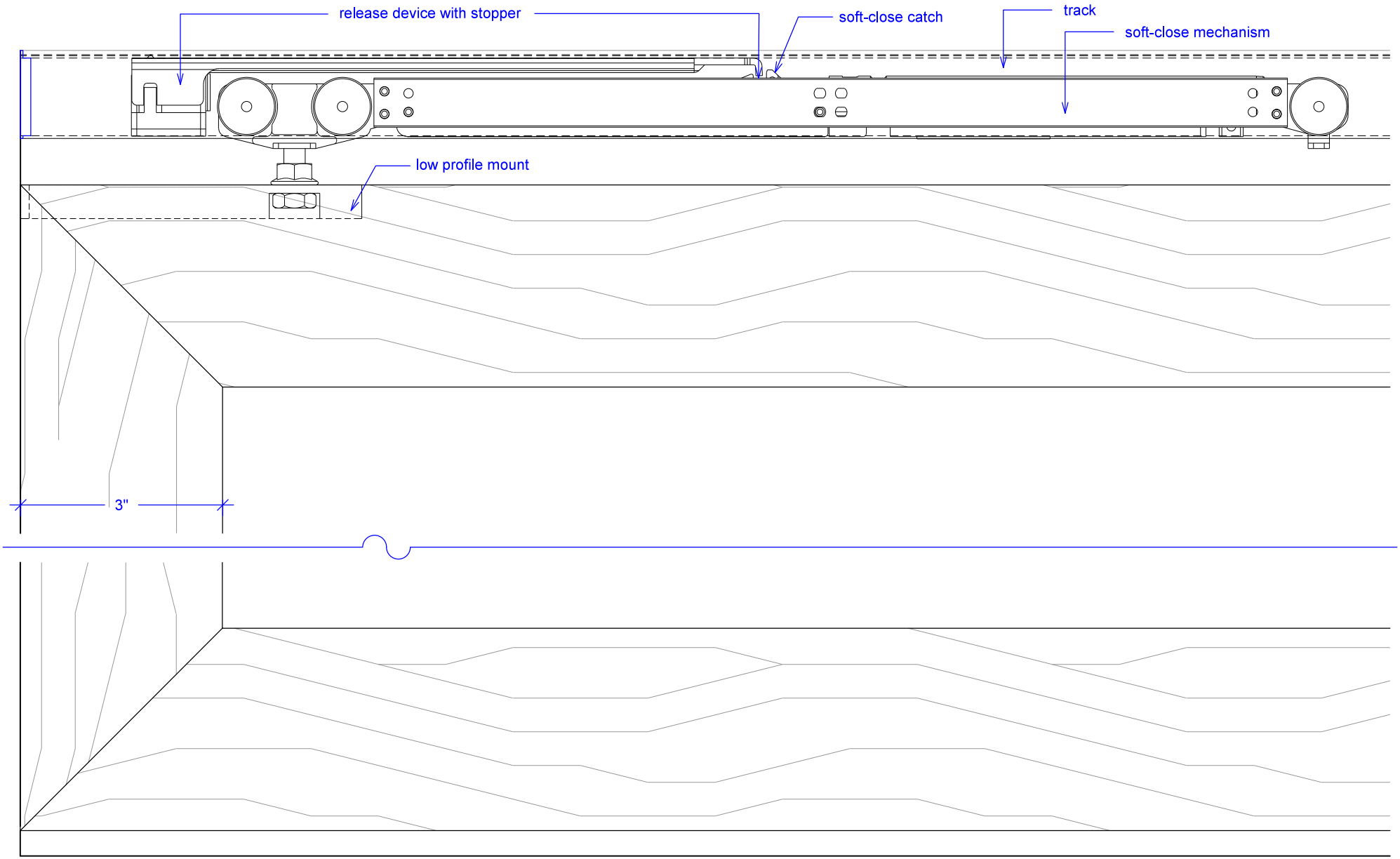
DR-009-RD

Sliding Pocket w/ Soft-Close, 1 Panel

(SP1-SC)

SOFT-CLOSE HARDWARE

RAYDOOR STANDARD
SYSTEM DRAWINGS
©2020



DR-009-RD

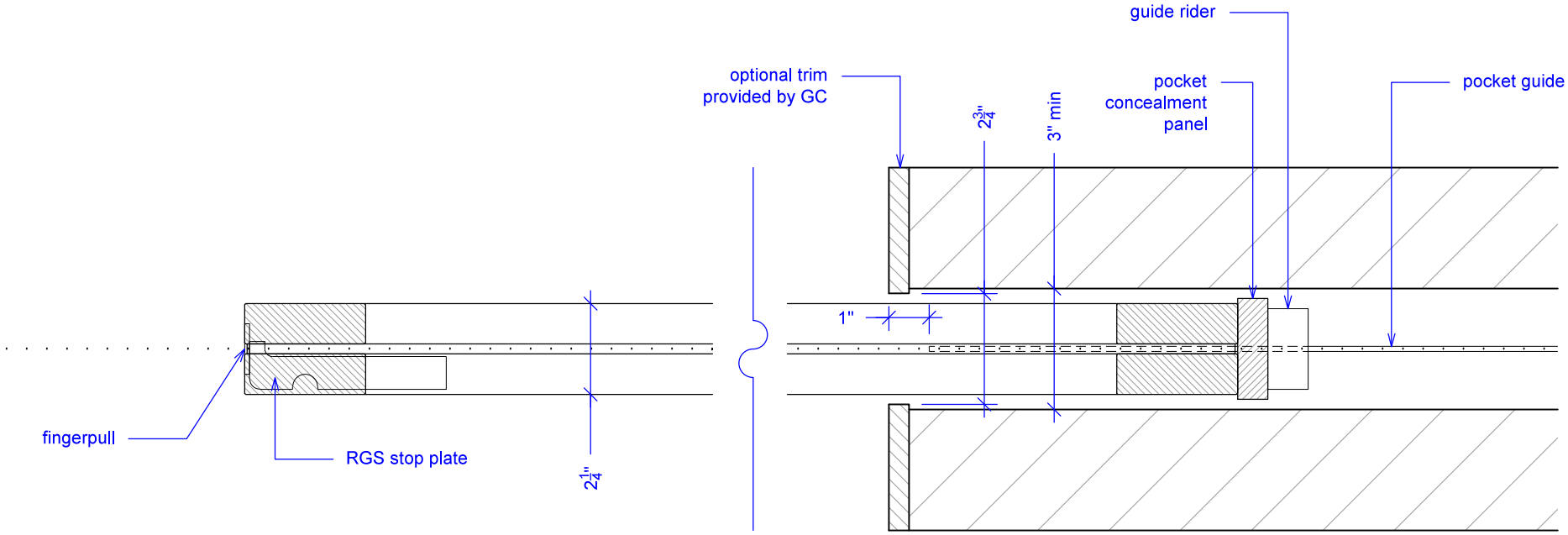
Sliding Pocket w/ Soft-Close, 1 Panel

(SP1-SC)

POCKET DETAIL

RAYDOOR STANDARD
SYSTEM DRAWINGS
©2020

NOTE: pocket depth should be 2" deeper than width of doors



Guide rider is a block with a slit for the pocket guide; it allows for full extension, attach to bottom of concealment panel.

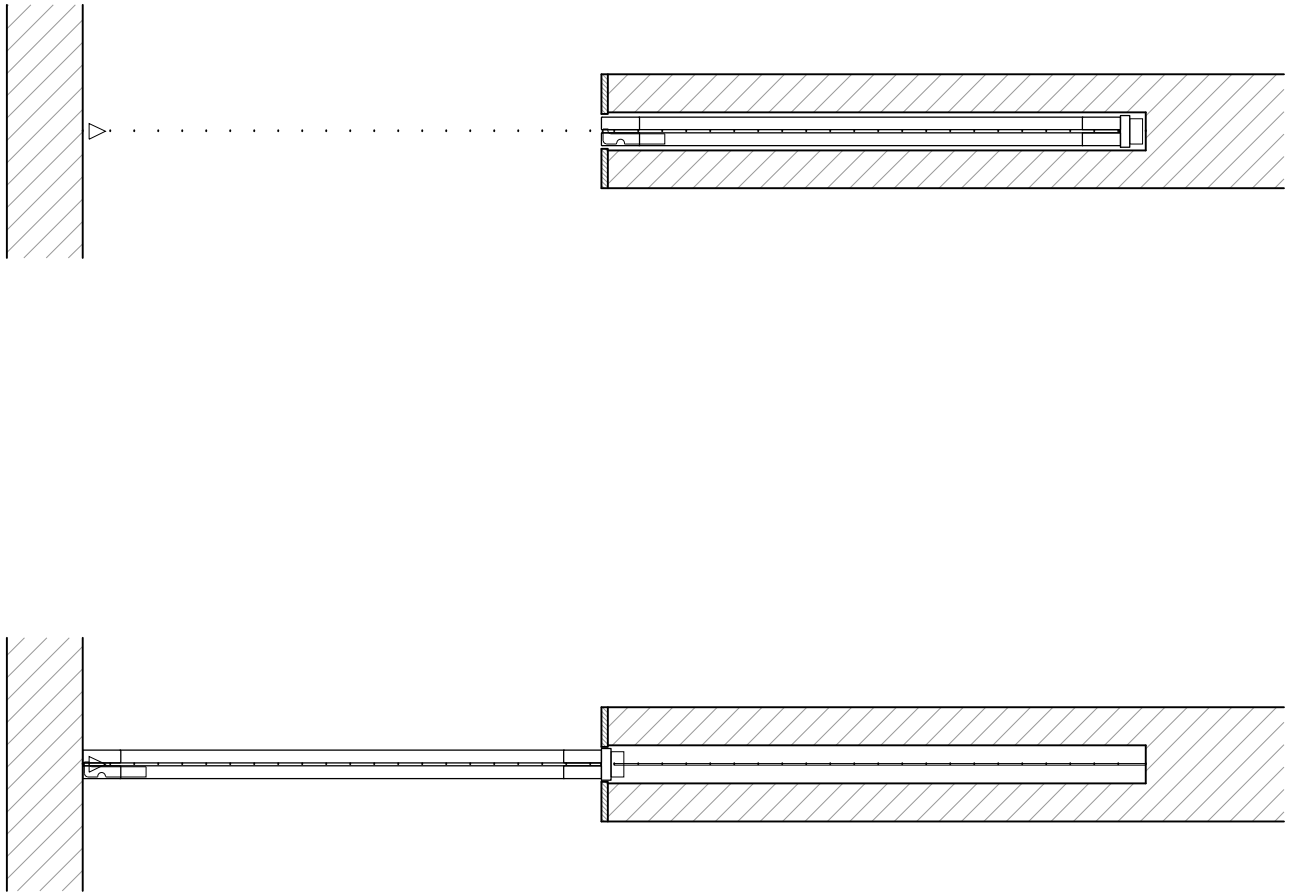
DR-009-RD

Sliding Pocket w/ Soft-Close, 1 Panel

(SP1-SC)

OPERATION OVERVIEW

RAYDOOR STANDARD
SYSTEM DRAWINGS
©2020



KEY:

RGS stop — pocket guide — stopper/release device

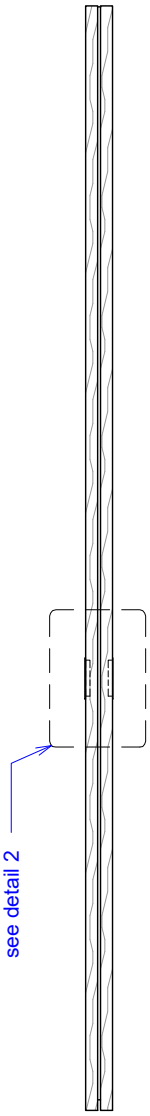
HARDWARE SPECIFICATION

Flush pull - Rectangular

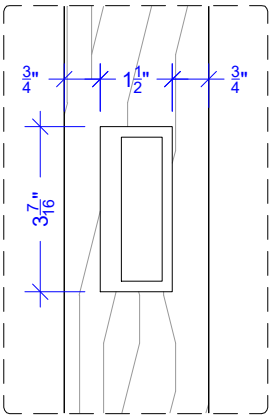
RAYDOOR®

Revised: 4 / 28 / 12

SIDE VIEW:



DETAIL 1:



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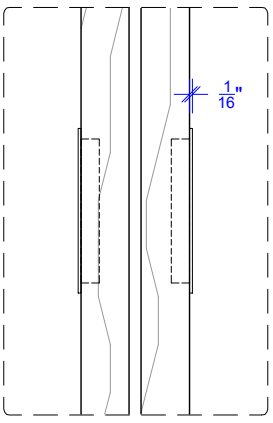
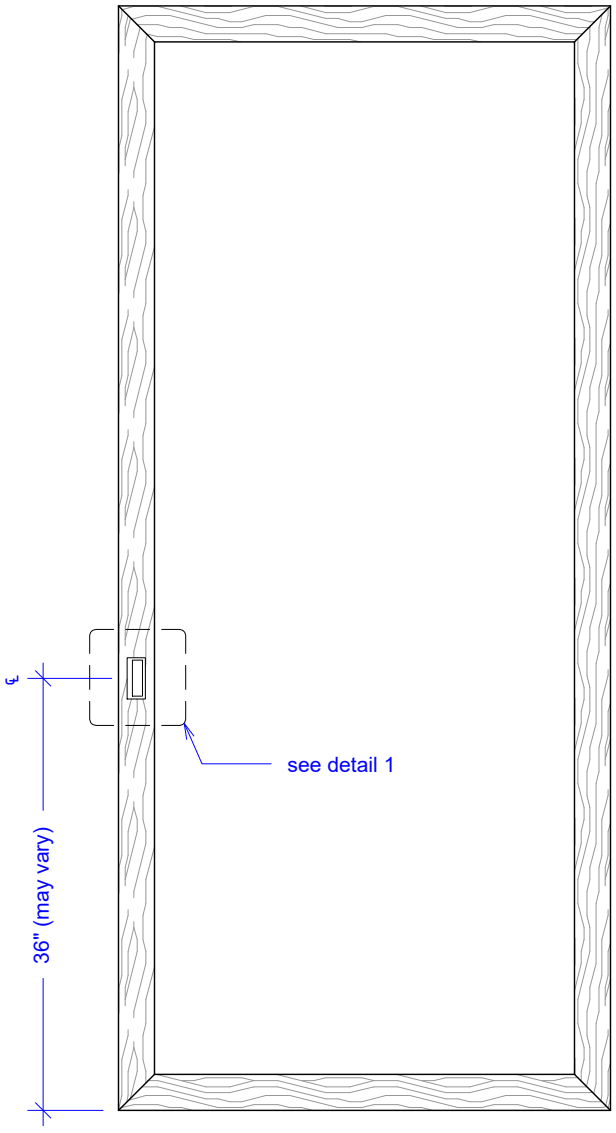


ELEVATION:



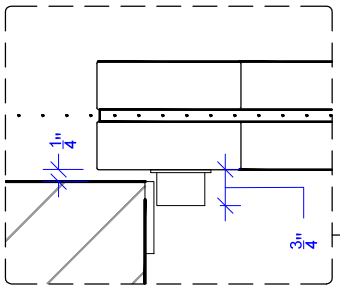
HARDWARE SPECIFICATION

Jamb lock

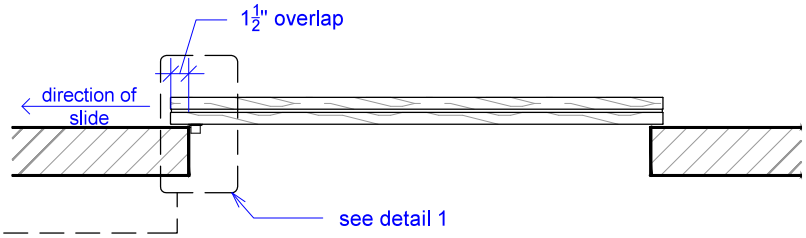
RAYDOOR®

Revised: 3 / 14 / 16

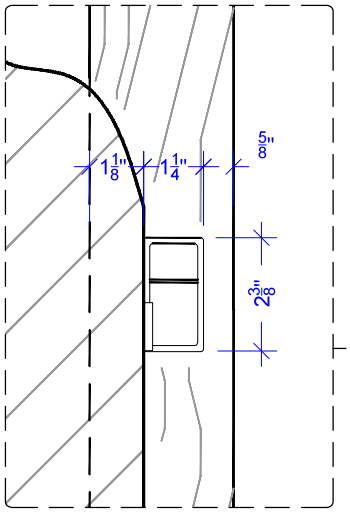
DETAIL 1:
Plan detail



PLAN:



DETAIL 2:
lever side



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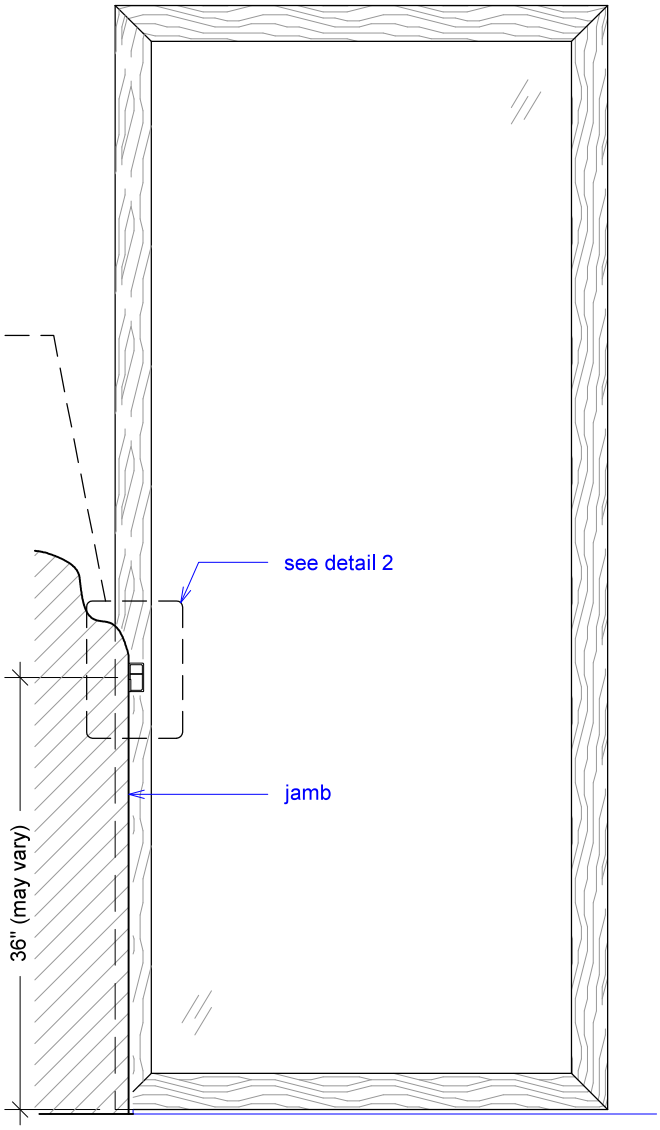
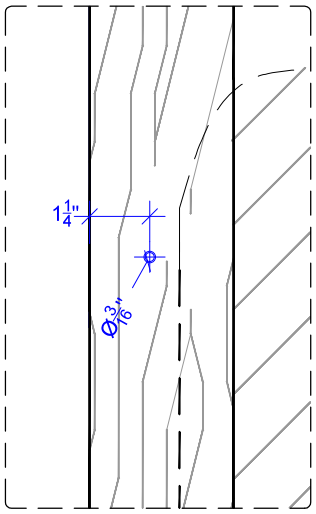


DETAIL 3: (reverse)
safety release side



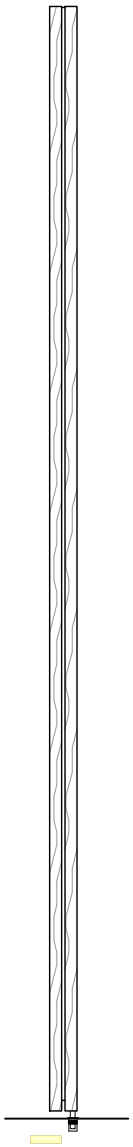
HARDWARE SPECIFICATION

Dustproof strike

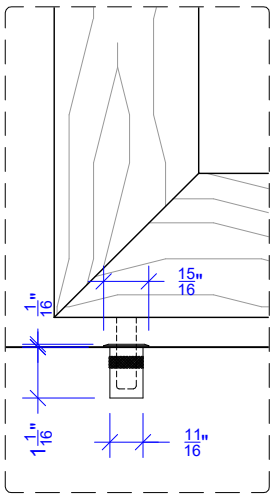
RAYDOOR®

Revised: 4 / 24 / 12

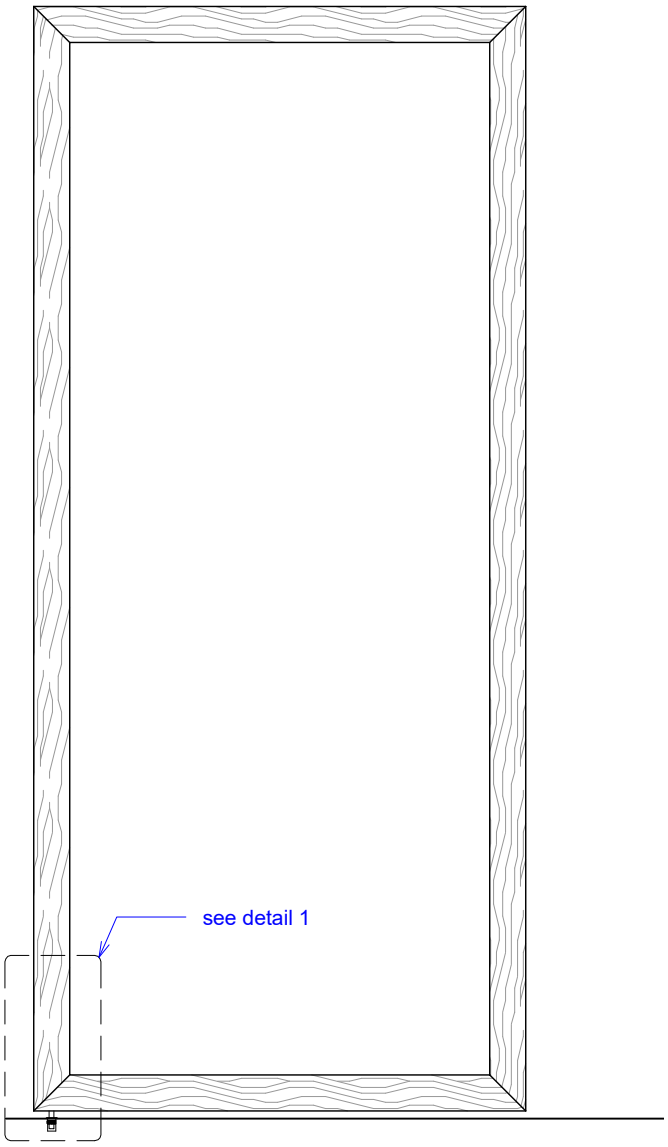
SIDE VIEW:



DETAIL 1:



ELEVATION:



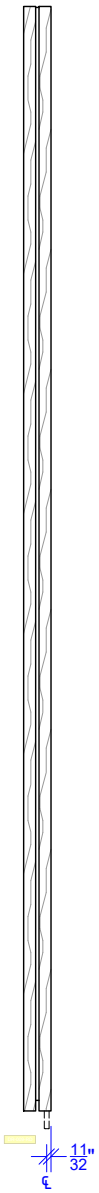
HARDWARE SPECIFICATION

Flushbolt

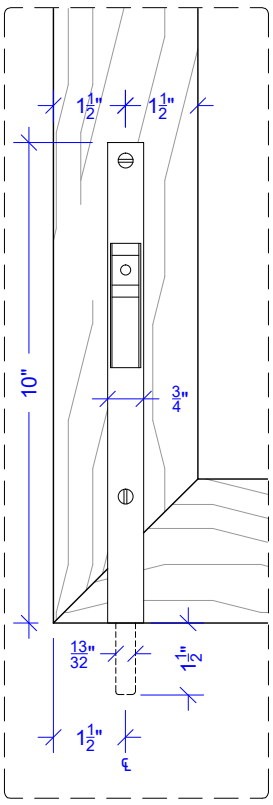
RAYDOOR®

Revised: 4 / 24 / 12

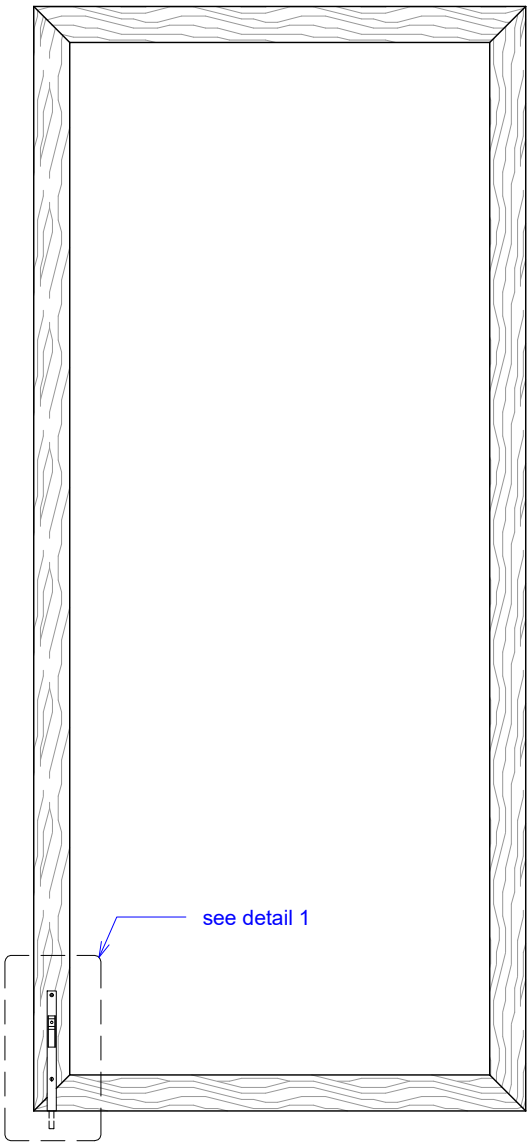
SIDE VIEW:



DETAIL 1:



ELEVATION:



Door Frames

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DF-001-CE

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Hollow Metal Frame
Item Type	Exterior/Interior Hollow Metal Door Frames
Description	Standard steel frames for Door openings wider than 48 inches; Level 2 & 3 steel doors; Wood doors, unless otherwise indicated.
Manufacturer	Ceco / Assa Abloy
Model	Standard
Dimensions	Refer to Design Guideline Drawings Door Schedule
Color	Refer to Design Guideline Drawings
Finish	Manufacturer Standard Factory-primed, field-painted (See Project-specific Mark # for paint color)
Material Composition	16-gauge (0.053-inch) thick steel sheet for interior and exterior applications; Exterior frames shall be 0.30 ounces per square foot per side, hot-dipped galvanized or electrolytic zinc-coated steel with a stretcher level degree of flatness
CSI #	081113 - Hollow Metal Doors and Frames
Omniclass #	22-081113 - Hollow Metal Doors and Frames
Fire/Smoke Rating	NFPA 80 “Standard for Fire Doors, Fire Windows.” Actual rating to be determined by the Architect based on location and code requirements.
Acoustical Performance	STC 38 minimum
Structural Performance	ANSI/SDI Level 2, Performance Level B (Heavy-Duty)
Best Practices	Recycled content
Quality Standards	ASNS/SDI A250.8 Recommended Specifications for Standard Steel Doors and Frames"
Accessibility Compliance	ADA and ANSI A117.1
Accessories	Frame anchors; Frame insulation: Glass fiber, semi-rigid board, 2” thickness, unfaced, 3 lb. density - “Type 703” - Owens-Corning Fiberglass Corp
Part of an Assembly	N
Glazing	Safety glass complying with ANSI Z97.1.
Louver	Manufacturer's standard fire-rated automatic louvers. Refer to Mechanical Drawings for locations.
Acoustical	Refer to Brand Design Guideline Standards
Hardware	Prepared for ANSI strikes and pre-drilled for door silencers/ gasketing as applicable.
Fire Rating	NFPA 80 “Standard for Fire Doors, Fire Windows.” Actual rating to be determined by the Architect based on location and code requirements.
Quality Standards	ASNS/SDI A250.8 Recommended Specifications for Standard Steel Doors and Frames"
Warranty	Life of building

IMAGE NOT AVAILABLE

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DF-001-CE

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Notes

All Exterior Door Frames, Public Space, Back-of-House, and Guest Room Entry Door Frames shall have continuously welded corners.
Product Data Web Link: https://tinyurl.com/55cv75zn

SPECIAL INSTRUCTIONS

Clearances: 1/8" at jambs and heads; 3/4" at bottom; 1/4" at meeting edges of pairs of doors.

MANUFACTURER

Vendor Name: Ceco Door
Contact Name:
Phone: 888-264-7474
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Steelcraft
Contact Name: Customer Service
Phone: (877) 671-7011
Email: N/A

ALTERNATE MANUFACTURER 3

Vendor Name: Curries Company
Contact Name:
Phone: 641-423-1334
Email:

ALTERNATE MANUFACTURER 4

Vendor Name: Republic Doors and Frames
Contact Name:
Phone: 888-733-3667
Email:

AREAS

Public Restrooms
Employee Areas
Administration
Engineering & Maintenance
Food & Beverage Back-of-House
Back-of-House Laundry
Housekeeping
Mechanical, Plumbing & Electrical
Elevator Equipment Room
Storage
Stairs
Guest Laundry
Indoor Pool
Pool Equipment
Pool Storage
Pool Restroom

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DF-001-CU

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Hollow Metal Frame
Item Type	Exterior/Interior Hollow Metal Door Frames
Description	Standard steel frames for Door openings wider than 48 inches; Level 2 & 3 steel doors; Wood doors, unless otherwise indicated.
Manufacturer	Curries / Assa Abloy
Model	Standard
Dimensions	Refer to Design Guideline Drawings Door Schedule
Color	Refer to Design Guideline Drawings
Finish	Manufacturer Standard Factory-primed, field-painted (See Project-specific Mark # for paint)
Material Composition	16-gauge (0.053-inch) thick steel sheet for interior and exterior applications; Exterior frames shall be 0.30 ounces per square foot per side, hot-dipped galvanized or electrolytic zinc-coated steel with a stretcher level degree of flatness
CSI #	081113 - Hollow Metal Doors and Frames
Omniclass #	22-081113 - Hollow Metal Doors and Frames
Fire/Smoke Rating	NFPA 80 “Standard for Fire Doors, Fire Windows.” Actual rating to be determined by the Architect based on location and code requirements.
Acoustical Performance	STC 38 minimum
Structural Performance	ANSI/SDI Level 2, Performance Level B (Heavy-Duty)
Best Practices	Recycled content
Quality Standards	ASNS/SDI A250.8 Recommended Specifications for Standard Steel Doors and Frames"
Accessibility Compliance	ADA and ANSI A117.1
Accessories	Frame anchors; Frame insulation: Glass fiber, semi-rigid board, 2” thickness, unfaced, 3 lb. density - “Type 703” - Owens-Corning Fiberglass Corp
Part of an Assembly	N
Glazing	Safety glass complying with ANSI Z97.1.
Louver	Manufacturer's standard fire-rated automatic louvers. Refer to Mechanical Drawings for locations.
Acoustical	Refer to Brand Design Guideline Standards
Hardware	Prepared for ANSI strikes and pre-drilled for door silencers/ gasketing as applicable.
Fire Rating	NFPA 80 “Standard for Fire Doors, Fire Windows.” Actual rating to be determined by the Architect based on location and code requirements.
Quality Standards	ASNS/SDI A250.8 Recommended Specifications for Standard Steel Doors and Frames"
Warranty	Life of building

IMAGE NOT AVAILABLE

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DF-001-CU

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Notes

All Exterior Door Frames, Public Space, Back-of-House, and Guest Room Entry Door Frames shall have continuously welded corners.
Product Data Web Link:
Drywall: https://tinyurl.com/2p9ukzx9
Masonry: https://tinyurl.com/yy4ea72n

SPECIAL INSTRUCTIONS

Clearances: 1/8" at jambs and heads; 3/4" at bottom; 1/4" at meeting edges of pairs of doors.

MANUFACTURER

Vendor Name: Curries Company
Contact Name:
Phone: 641-423-1334
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Steelcraft
Contact Name: Customer Service
Phone: (877) 671-7011
Email: N/A

ALTERNATE MANUFACTURER 3

Vendor Name: Ceco Door
Contact Name:
Phone: 888-264-7474
Email:

ALTERNATE MANUFACTURER 4

Vendor Name: Republic Doors and Frames
Contact Name:
Phone: 888-733-3667
Email:

AREAS

Public Restrooms
Employee Areas
Administration
Engineering & Maintenance
Food & Beverage Back-of-House
Back-of-House Laundry
Housekeeping
Mechanical, Plumbing & Electrical
Elevator Equipment Room
Storage
Stairs
Guest Laundry
Indoor Pool
Pool Equipment
Pool Storage
Pool Restroom

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DF-001-RDF

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Hollow Metal Frame
Item Type	Exterior/Interior Hollow Metal Door Frames
Description	Standard steel frames for Door openings wider than 48 inches; Level 2 & 3 steel doors; Wood doors, unless otherwise indicated.
Manufacturer	Republic Door / Allegion
Model	Standard
Dimensions	Refer to Design Guideline Drawings Door Schedule
Color	Refer to Design Guideline Drawings
Finish	Manufacturer Standard Factory-primed, field-painted (See Project-specific Mark # for paint)
Material Composition	16-gauge (0.053-inch) thick steel sheet for interior and exterior applications; Exterior frames shall be 0.30 ounces per square foot per side, hot-dipped galvanized or electrolytic zinc-coated steel with a stretcher level degree of flatness
CSI #	081113 - Hollow Metal Doors and Frames
Omniclass #	22-081113 - Hollow Metal Doors and Frames
Fire/Smoke Rating	NFPA 80 “Standard for Fire Doors, Fire Windows.” Actual rating to be determined by the Architect based on location and code requirements.
Acoustical Performance	STC 38 minimum
Structural Performance	ANSI/SDI Level 2, Performance Level B (Heavy-Duty)
Best Practices	Recycled content
Quality Standards	ASNS/SDI A250.8 Recommended Specifications for Standard Steel Doors and Frames"
Accessibility Compliance	ADA and ANSI A117.1
Accessories	Frame anchors; Frame insulation: Glass fiber, semi-rigid board, 2” thickness, unfaced, 3 lb. density - “Type 703” - Owens-Corning Fiberglass Corp
Part of an Assembly	N
Glazing	Safety glass complying with ANSI Z97.1.
Louver	Manufacturer's standard fire-rated automatic louvers. Refer to Mechanical Drawings for locations.
Acoustical	Refer to Brand Design Guideline Standards
Hardware	Prepared for ANSI strikes and pre-drilled for door silencers/ gasketing as applicable.
Fire Rating	NFPA 80 “Standard for Fire Doors, Fire Windows.” Actual rating to be determined by the Architect based on location and code requirements.
Quality Standards	ASNS/SDI A250.8 Recommended Specifications for Standard Steel Doors and Frames"
Warranty	Life of building

IMAGE NOT AVAILABLE

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DF-001-RDF

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Notes

All Exterior Door Frames, Public Space, Back-of-House, and Guest Room Entry Door Frames shall have continuously welded corners.
Product Data Web Link: https://tinyurl.com/jf6d2bjz

SPECIAL INSTRUCTIONS

Clearances: 1/8" at jambs and heads; 3/4" at bottom; 1/4" at meeting edges of pairs of doors.

MANUFACTURER

Vendor Name: Republic Doors and Frames
Contact Name:
Phone: 888-733-3667
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Steelcraft
Contact Name: Customer Service
Phone: (877) 671-7011
Email: N/A

ALTERNATE MANUFACTURER 3

Vendor Name: Curries Company
Contact Name:
Phone: 641-423-1334
Email:

ALTERNATE MANUFACTURER 4

Vendor Name: Ceco Door
Contact Name:
Phone: 888-264-7474
Email:

AREAS

Public Restrooms
Employee Areas
Administration
Engineering & Maintenance
Food & Beverage Back-of-House
Back-of-House Laundry
Housekeeping
Mechanical, Plumbing & Electrical
Elevator Equipment Room
Storage
Stairs
Guest Laundry
Indoor Pool
Pool Equipment
Pool Storage
Pool Restroom

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DF-001-SC

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Hollow Metal Frame
Item Type	Exterior/Interior Hollow Metal Door Frames
Description	Standard steel frames for Door openings wider than 48 inches; Level 2 & 3 steel doors; Wood doors, unless otherwise indicated.
Manufacturer	Steelcraft / Allegion
Model	Standard
Dimensions	Refer to Design Guideline Drawings Door Schedule
Color	Refer to Design Guideline Drawings
Finish	Manufacturer Standard Factory-primed, field-painted (See Project-specific Mark # for paint)
Material Composition	16-gauge (0.053-inch) thick steel sheet for interior and exterior applications; Exterior frames shall be 0.30 ounces per square foot per side, hot-dipped galvanized or electrolytic zinc-coated steel with a stretcher level degree of flatness
CSI #	081113 - Hollow Metal Doors and Frames
Omniclass #	22-081113 - Hollow Metal Doors and Frames
Fire/Smoke Rating	NFPA 80 “Standard for Fire Doors, Fire Windows.” Actual rating to be determined by the Architect based on location and code requirements.
Acoustical Performance	STC 38 minimum
Structural Performance	ANSI/SDI Level 2, Performance Level B (Heavy-Duty)
Best Practices	Recycled content
Quality Standards	ASNS/SDI A250.8 Recommended Specifications for Standard Steel Doors and Frames"
Accessibility Compliance	ADA and ANSI A117.1
Accessories	Frame anchors; Frame insulation: Glass fiber, semi-rigid board, 2” thickness, unfaced, 3 lb. density - “Type 703” - Owens-Corning Fiberglass Corp
Part of an Assembly	N
Glazing	Safety glass complying with ANSI Z97.1.
Louver	Manufacturer's standard fire-rated automatic louvers. Refer to Mechanical Drawings for locations.
Acoustical	Refer to Brand Design Guideline Standards
Hardware	Prepared for ANSI strikes and pre-drilled for door silencers/ gasketing as applicable.
Fire Rating	NFPA 80 “Standard for Fire Doors, Fire Windows.” Actual rating to be determined by the Architect based on location and code requirements.
Quality Standards	ASNS/SDI A250.8 Recommended Specifications for Standard Steel Doors and Frames"
Warranty	Life of building

IMAGE NOT AVAILABLE

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DF-001-SC

Revision 1

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date: **Nov 23, 2022**

Notes

All Exterior Door Frames, Public Space, Back-of-House, and Guest Room Entry Door Frames shall have continuously welded corners.
Product Data Web Link: https://tinyurl.com/2p9ac8jd

SPECIAL INSTRUCTIONS

Clearances: 1/8" at jambs and heads; 3/4" at bottom; 1/4" at meeting edges of pairs of doors.

MANUFACTURER

Vendor Name: Steelcraft
Contact Name: Customer Service
Phone: (877) 671-7011
Email: N/A

ALTERNATE MANUFACTURER 2

Vendor Name: Curries Company
Contact Name:
Phone: 641-423-1334
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Ceco Door
Contact Name:
Phone: 888-264-7474
Email:

ALTERNATE MANUFACTURER 4

Vendor Name: Republic Doors and Frames
Contact Name:
Phone: 888-733-3667
Email:

AREAS

Public Restrooms
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Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DF-004-EZ

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Door frame, concealed frameless
Item Type	Split door frame, concealed frameless system
Description	Concealed split door frame system with concealed hinges
Manufacturer	EZ Concept USA
Model	EZC Classic Adjust Door Frame
Dimensions	1-3/4" x 3'0" x 7'-0"
Color	Mill finish, Painted to match wall
Finish	Galvanized
Material Composition	Cold-rolled steel
CSI #	081400 - Wood Doors
Omniclass #	22-081400 - Wood Doors
Accessories	RocYork RY-50 concealed hinges
Fire Rating	Up to 45-minutes

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: EZ Concept USA
Contact Name:
Phone:
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk

DF-004-EZ

EzyJamb

EZC | Classic Adjust Door Frame

EzyJamb

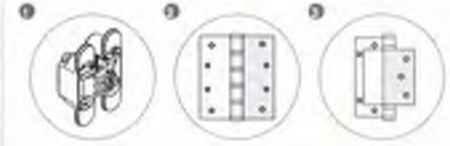
EZC | Classic Adjust Door Frame

EzyJamb® Classic Adjust - EZC is a split type door jamb system that creates inconspicuous clean lines to complete the contemporary look of architectural spaces. The two-piece jamb is made specific to your wall throat, yet has 3/8" +/- field adjustments to allow for inconsistencies at install.

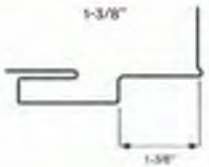
Product Details

EZYJAMB EZC CLASSIC ADJUST DOOR FRAME FOR 1-3/8 AND 1-3/4 DOORS

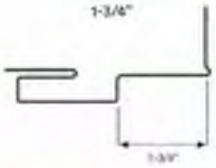
Material	20ga Galvanneal		
Max Width	3'-0" (Single)	6'-0" (Double)	*(Custom sizes available on request)*
Max Height	9-0		*(Custom sizes available on request)*
Wall Throat	3-1/2" - 8-7/8"		*(Custom sizes available on request)*
Fire Rating	90 minutes - Up to 3080 single, 6080 double		
Hinge Options	1 Concealed Hinges 2 Mortise Hinges 3 Non-Mortise Hinges		



Preparation Options



Strike Options	T-Strike Deadbolt
Hinge Options	Non-Mortise Hinge Rockfork RY-40 / RY-60



Strike Options	T-Strike ADA Strike Deadbolt	Notts Flushbolt		
Hinge Options	4" Mortise Hinge Rockfork RY-46 / RY-60, RY-60 / RY-80 Soss 315 / 416		Closer Options	Parallel Arm Reinforcement

Specification Details

- Frame Type
- Door Thickness
- Frame Width
- Frame Height
- Finished Wall Thickness
- Fire Rating
- Strike Type
- Strike Height
- Frame Handing
- Hinge Type
- Hinge Quantity

EX. EZC - 1.75 - 3-0" - 7-0" - 4-5/8 - 20MIN - ASA-38" - RH - RY80 - 3

Availability

- All EzyJamb, CavKit and SlideSet products are made to order.
- Lead times apply to all EzyJamb, CavKit and SlideSet orders. Typical lead time from date of order to date of delivery is 15-20 working days. Longer lead times may apply in some cases. Always confirm exact lead time with EZ Concept prior to placing order.
- All orders are accepted by EZ Concept on a FIFO basis (first in, first out). For urgent orders, please refer to the point below.

Floor to Ceiling Doors

- Floors to ceiling doors require no header jamb as the door extends the total height of the wall, when framing for this type of application allow the ceiling framing and drywall to carry on through to the adjacent space.

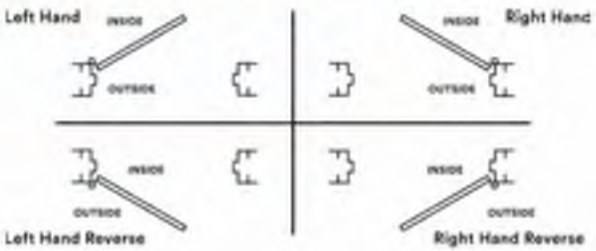
Expedited Orders

- For urgent orders, manufacturing processes can be expedited on request. Expedited orders can be dispatched within 7-10 working days from receipt of order. A minimum charge of $150 or 40% total order cost, whichever is greater is applicable to expedited orders.
- Expedition of EzyJamb, CavKit and SlideSet orders is not always possible and is subject to operational requirements. Always confirm exact lead time with EZ Concept prior to placing order.

Custom Door Sizes

- Custom size EzyJamb, CavKit and SlideSet products are available on request. Longer leader times and additional charges may apply for custom sizes. Custom latch plate punching is available on request.

North America Door Handing



ⓘ Hand all doors by standing outside and facing the door.

DF-004-EZ

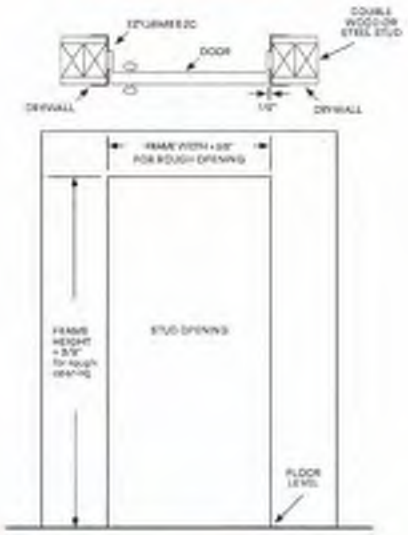
Installation Instructions

Step 1

Ensure that the stud opening is square and level and is the correct size.

Make sure the rough opening has double studs, the manufacturer strongly recommends wood studs or a minimum 18 gauge .030 metal studs on both sides of the opening. Studco recommends double studs for this installation

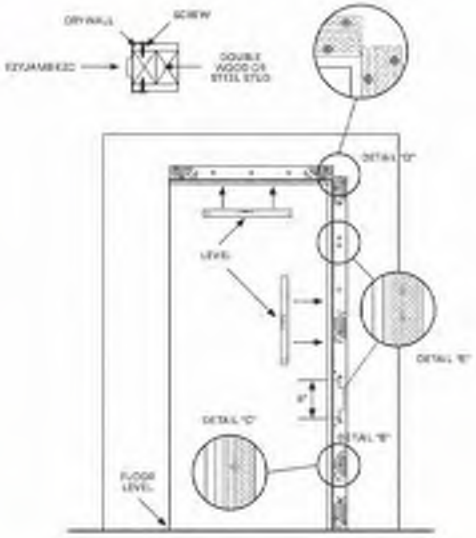
ⓘ Where using concealed hinges, the stud must be **notched** at each hinge location to ensure proper fitment.



Step 2

Fasten hinge side first, making sure jamb is level and as tight against stud opening as possible. Then screw sill 8" centers up, sills, screwing back through drywall into stud jamb. See Detail 'B' and 'C'.

Double screw all ends as Detail D, and beside hinge position - both above and below hinge if using concealed hinges as Detail E.



Step 2A | Head Installation

Head jamb as inserted in jamb.

Locate head into joiner and make flush with jamb so the head joiner is not seen.

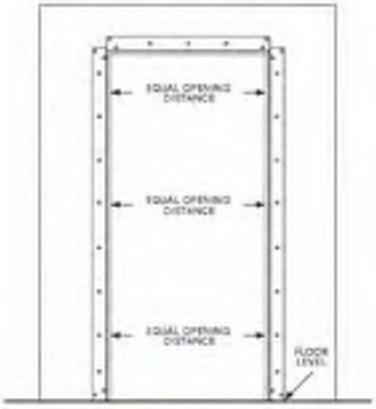
Remove the remaining head joiner out of the strike jamb into the end of the head (as shown) to receive the strike jamb.

EzyJamb | EZC Classic Adjust Door Frame

Installation Instructions

Step 3

Fasten the final vertical section (strike jamb) below the head section. Ensure that the spacing between the two vertical sections are spaced evenly at the required distance.

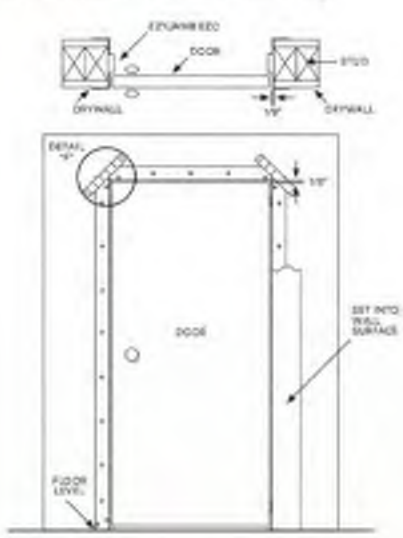


Step 4

Ensure the perforated side strips sit flat against the drywall to enable the jamb sections to be easily set into the wall surface. Finish the jamb with drywall compound.

All the corners must be paper taped and mudded in as Detail F.

Hang the door in position leaving 1/8" clearance from the top and the hinged side using the EzyJamb Standard or Invisible Hinges. Install the striker plate into position to align with the latch slide on striking.



Completed Installation

The completed jamb is flush finishes and can be painted in with the whole wall area to fully conceal any fixing, achieving simple clean lines around the door face.

For further information or assistance in installation of EzyJamb products, please visit:

www.ezyconcept.com/installation

DF-004-EZ

For Sales and Technical Enquiries, please contact EZ Concept USA.

T: 1888 399 5262
W: www.ezconcept.com
E: sales@ezconcept.com

Head Office - Rochester
1700 Boulter Industrial Parkway,
Webster, NY 14580

Los Angeles Office
5450 W 83rd Street
Los Angeles, CA 90045

Door Hardware

T10_Interior Stairs

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-003-YA_T10

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Door Closer
Item Type	Surface Door Closer
Description	Architectural Door Closer with cover; parallel arm configuration
Manufacturer	Yale
Model	2701
Dimensions	13-5/8" L x 3-7/8" H x 7-5/8" Arm Extension
Color	689
Finish	Plated
Material Composition	Aluminum alloy
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 Door Hardware
Grade	ANSI Grade 1
Fire/Smoke Rating	UL and cUL listed for 3 hour assemblies
Operation	Manual, hydraulic
Best Practices	Recycled content
Quality Standards	ANSI/BHMA A156.4, Grade 1 certified; UL / cUL listed for use on fire rated doors; UL10C listed for positive pressure fire test; 8301 and 8501 door closers are designed to comply with requirements for the Americans with Disabilities Act (A.D.A) and ANSI standard A117.1
Accessibility Compliance	ADA and ANSI/BHMA A117.1
Accessories	Drop plate required for glazed doors
Cover Finish	689, Aluminum
Opening Degree	Adjustable, from 85° to 110° in 5° increments
Cover Material	Metal
Mounting Type	Surface
Stop Type	Integral
Warranty	10 years
Notes	https://tinyurl.com/26y8yycx

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Yale Locks & Hardware (Assa Abloy)
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

AREAS

Stairs
Back-of-House Laundry
Storage
Elevator Equipment Room
Public Restrooms

ALTERNATE MANUFACTURER 3	Employee Areas Guest Laundry Fitness Center Engineering & Maintenance Food & Beverage Back-of-House Mechanical, Plumbing & Electrical Corridors
ALTERNATE MANUFACTURER 4	

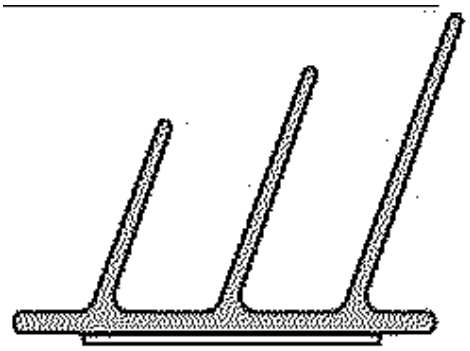
Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-007-PK_T10

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Door seal
Item Type	Fire/smoke gasketing
Description	Fire/smoke gasketing, adhesive-backed
Manufacturer	Assa Abloy/Pemko
Model	S773D
Dimensions	17, 18, 20, 21 and 25 ft. coils
Color	Dark brown (D)
Material Composition	Silicone
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Fire/Smoke Rating	Tested and approved under UL 10C for fire; UL 1784 for smoke
Acoustical Performance	ASTM E90 and BS EN ISO 140-3 for sound control
Best Practices	Low-emitting materials
Quality Standards	BHMA A156.22
Accessibility Compliance	ADA and ANSI A117.1
Lead Time	Standard Lead Time 3-5 Business Days - Verify with Manufacturer.
Warranty	2 Years if installed with 6 months of ship

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Assa Abloy
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Stairs
Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry
Elevator Equipment Room
Administration
Public Restrooms
Employee Areas
Guest Laundry
Fitness Center
Indoor Pool
Pool Equipment
Pool Storage
Corridors

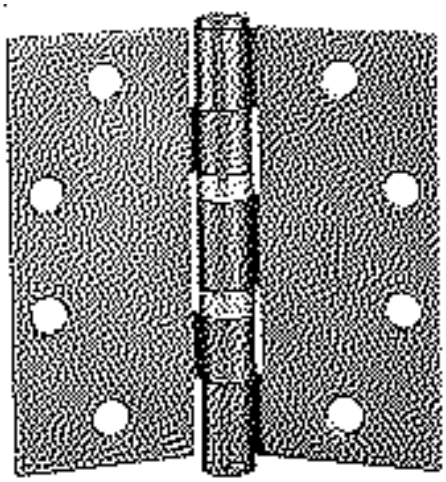
Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-022-MK_T10

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Hinge
Item Type	Hinge
Description	Five knuckle standard weight hinge
Manufacturer	ASSA ABLOY/McKinney
Model	TA2714
Dimensions	4-1/2" x 4-1/2"
Finish	US15, Satin Nickel
CSI #	087100 - Door Hardware
Omniclass #	22 - 087100 - Door Hardware
Quality Standards	ANSI/BHMA A156.1, 156.7
Knuckle	Five Knuckle
Weight	Standard
Lead Time	5-10 business days
Warranty	One year limited warranty



SPECIAL INSTRUCTIONS
Refer to door hardware schedule for hardware locations

MANUFACTURER

Vendor Name: Assa Abloy
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Stairs
Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
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Elevator Equipment Room
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Employee Areas
Guest Laundry
Fitness Center
Administration
Engineering & Maintenance
Food & Beverage Back-of-House

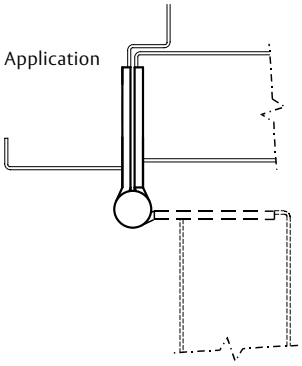
Five Knuckle Standard Weight Series

Recommended for standard weight, medium frequency doors, or doors with closing devices.

- Use for common flush door/frame/wall applications
- For Beveled Edge, where doors are beveled on hinge side, specify TA4314 or TA4714
- For available finishes see page 29

TA2314
TA2714

No.	ANSI Cross Reference	Base Material	Weight
TA2314	A5112	Stainless	STD
TA2314	A2112	Brass	STD
TA2714	A8112	Steel	STD



Specifications

Inches	mm	Gauge	No. of Holes	Fasteners	
				Machine	Wood
3 1/2" x 3 1/2"*	88.9 x 88.9	.123	6	1/2 x 10-24	1 x 10
4" x 4"*	101.6 x 101.6	.130	8	1/2 x 12-24	1 1/4 x 12
4 1/2" x 4"	114.3 x 101.6	.134	8	1/2 x 12-24	1 1/4 x 12
4 1/2" x 4 1/2"	114.3 x 114.3	.134	8	1/2 x 12-24	1 1/4 x 12
5" x 4 1/2"*	127 x 114.3	.146	8	1/2 x 12-24	1 1/4 x 12
5" x 5"*	127 x 127	.146	8	1/2 x 12-24	1 1/4 x 12
6" x 6"*	152.4 x 152.4	.160	10	1/2 x 1/4-20	1 1/2 x 14

* Not available in Brass base material.

Options:

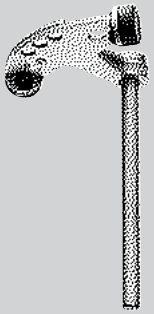
Code	Description
NRP	Non-Removable Pin
TB	Ball Bearing
TCA	Concealed Bearing
RC	Round Corner – 1/4" radius furnished unless specified otherwise
HT	Hospital Tip

Code	Description
BT	Ball Tip
ST	Steeple Tip
SSF	Safety Stud Feature
QC	ElectroLynx® Hinge – 2, 4, 6, 8, 10 or 12 wire available

Code	Description
CC	Concealed Circuit – 2, 4, 6, 8, 10 or 12 wire available
CC-18	Concealed Circuit – 2, 4, 6, 8 or 10 wire available (2-18AWG wires and the remainder 28AWG wires)
MM	Magnetic Monitoring

McKinney Hinge Pin Door Stop

- Recommended for high-use or high impact doors with McKinney T2714 or TA2714 hinges
- Protects against damage to doors and walls
- Runs the full length of the hinge



Part number	Description	Finish
76305	Hinge Pin Stop for MacPro MP79 & MPB79	26D
76306	Hinge Pin Stop for McKinney T2714 & TA2714	26D

ASSA ABLOY

The global leader in door opening solutions

800-346-7707 | www.mckinneyhinge.com

Check the web site for the up-to-date catalog

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Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-041-SG_T10

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Latchset
Item Type	Passage Set
Description	10 Line Cylindrical latch set
Manufacturer	Assa Abloy/Sargent
Model	28-10U15 KP
Finish	US15, Satin Nickel
CSI #	087100 Door Hardware
Omniclass #	22-087100 Door Hardware
Quality Standards	ANSI A156.2 Series 4000-Grade 1; UL Listed for 3 hour doors; Meets UL10C and UBC 7-2 (1997) - Positive Pressure; CA Title 19 and 24
Accessibility Compliance	ADA and ANSI A117.1
Accessories	L Rose Trim / P Lever
Lead Time	10-15 Business Days
Warranty	Seven year limited warranty

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Sargent Manufacturing
Contact Name:
Phone: 800-727-5477
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Stairs

Product Catalog

SARGENT
ASSA ABLOY

10 Line
Cylindrical Lever Lock

Experience a safer
and more open world

Table of Contents

10 Line Cylindrical Lever Locks

SARGENT
ASSA ABLOY

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Specifications

For Doors	1-3/4" (44mm) thick door adjusts to 2" (51mm) standard 1-3/8" (35mm) thick door, 1- Option for Adapter plates
Backsets	2-3/4" (70mm) backset w/ 1-1/8" front (standard) 2-3/8" (60mm) backset w/ 1" wide front (specify 20-) 3-3/4" (95mm) backset w/ 1-1/8" front (specify 23-) 5" (127mm) backset w/ 1-1/8" Front (specify 25-)
Cylindrical Housing	Steel, zinc dichromate finish
Front	Wrought brass, bronze and stainless steel 2-1/4" (57mm) x 1-1/8" (29mm) Fixed Bevel 2-1/4" (57mm) x 1" (25mm) (included with 20-)
Strike	Wrought brass, bronze and stainless steel 800 curved lip strike — standard 808 curved lip ANSI strike (28- option) Wrought box strike available (WBS- option)
Hand	All 10 Line Locks are non-handed except for the G & Y Levers
Roses	Heavy wrought brass and bronze
Latch	Stainless steel 1/2" (13mm) throw Brass 3/4" (19mm) throw for pairs of doors (41- option)
Cylinder	Brass, 6 pin, LA keyway standard
Keys	Two, nickel silver
Masterkeying	Can be master keyed or grand master keyed Construction key systems available
Finishes	03, 04, 09, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D, BSP, WSP
Options	For detailed information see "Options"
Door Prep	ANSI/BHMA A156.115
Minimum Stile	4-1/2" (114mm)

Certification Compliance

ANSI/BHMA	Certified ANSI A156.2 Series 4000 — Grade 1
UL	UL listed to U.S.A. and Canadian safety standards Listed for 3 hour doors (double doors require 41- option)
Positive Pressure	Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies
ADA	All levers conform to ADA requirement for barrier-free accessibility
California Code	Levers (L, J & P) conform to California Administrative Code Title 19 and 24
Hurricane Code	All individual components of a total door opening are required to comply with each code. Refer to the SARGENT Website (www.sargentlock.com) for specific code compliance listings for both the lock hardware and other door components.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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MicroShield™

MicroShield®

As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology a silver-based antimicrobial coating designed to inhibit the growth of bacteria.
MicroShield® is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company.

MicroShield® Coating

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield lasts for the life of the hardware
- MicroShield coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

On The Cover

- 10G05 X GL

93144 11/19

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Windstorm Certifications

10 Line Cylindrical Lever Locks

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Windstorm Certifications: Florida Building Codes & UL Listings

SARGENT Manufacturing's products meet building codes that require hurricane, windstorm and FEMA certifications, including some of the most stringent building codes as specified in the Florida Building Code, Miami Dade Code and the International Building Code. Listed below are certifications and standards met by the 10 Line lock.

Florida Building Code: FL2998

UL Certification Directory: ZHEM.R21744 – Latching Hardware

ANSI/SDI-BHMA A250.13	"Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies"
ANSI/ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
(TAS) 201	"Impact Test Procedures"*
(TAS) 202	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
(TAS) 203	"Criteria for Testing Products Subject to Cyclic Wind Pressure Loading"*

* Published in the "Florida Building Code"

UL Certification Directory: ZHLL.R21744 – Products for Use in Windstorm-rated Assemblies

Certifications to meet assembly requirements are done in conjunction with doors from ASSA ABLOY Group companies CECO DOOR and CURRIES.

ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
AAMA/WDMA/CSA 101/I.S.2/A440	"Standard/Specification for Windows, Doors, and Unit Skylights"
FEMA Publication 320	"Taking Shelter From the Storm: Building a Safe Room for Your Home or Small Business", investigated with respect to impact and pressure requirements only.
FEMA Publication 361	"Design and Construction Guidance for Community Safe Rooms", investigated with respect to impact and pressure requirements only.
ICC 500	"ICC/NSSA Standard for the Design and Construction of Storm Shelters", investigated with respect to impact and pressure testing. Minimum missile impact speeds vary with the design wind speed desired for a particular product. The information below correlates design wind speed to the minimum missile speeds as discussed in Table 305.1.1 of ICC 500.

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Features & Benefits

10 Line Cylindrical Lever Locks

SARGENT
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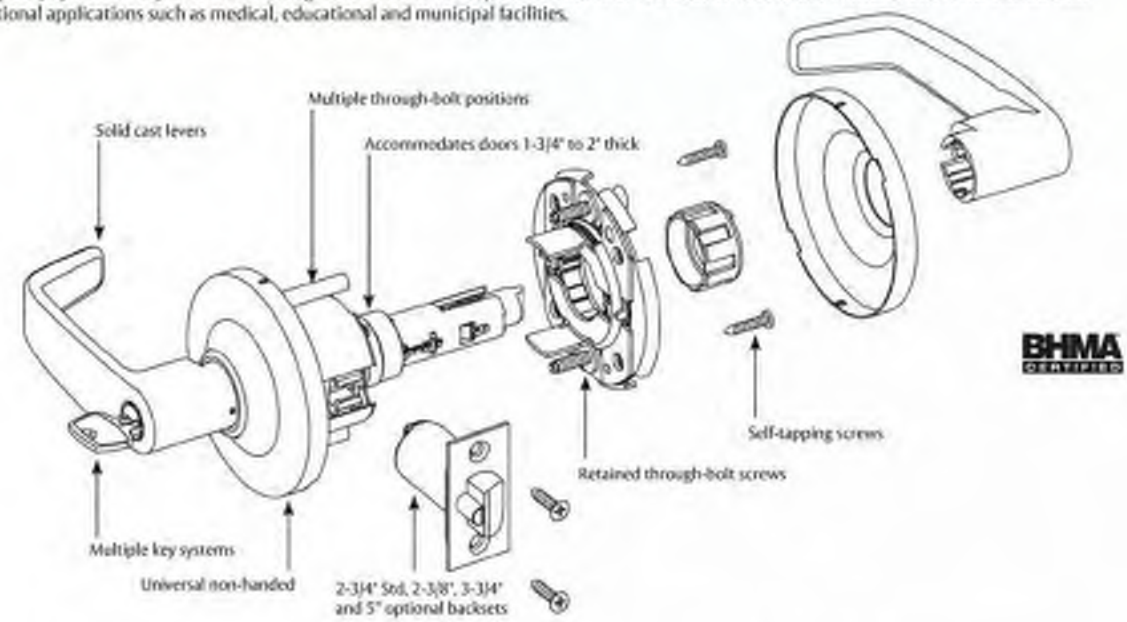
Features & Benefits

A heavy duty cylindrical key-in-lever lock designed to exceed the requirements of ANSI 156.2 Series 4000 Grade 1. The 10 Line is the standard for institutional applications such as medical, educational and municipal facilities.



Strength, Durability and Security

- Cycle Test: Exceeds 9 times ANSI/BHMA A156.2 Grade 1 requirements
- Abusive Locked Lever Torque- without entry gained: Exceeds 1.5 times ANSI/BHMA A156.2 Grade 1 requirements
- **7 YEAR LIMITED WARRANTY** – no service required to maintain warranty

Convenience

- Installs in 1 minute or less
- Quickly adapts to fit multiple through-bolt positions
- User friendly packaging
- User friendly instruction sheets
- Convenient installation diagram on box

Design

- Solid feel and precise lever action
- Slim rose design available
- Decorative Levers — Coastal Series designs – Gulfport and Yarmouth
- Levers are solid one piece cast construction, except "J" lever

Flexibility

- Fits a variety of door preparations with adaptable through-bolt positioning
- Accommodates retrofit applications with optional 2-3/8", 3-3/4" and 5" backset latches
- 6 ADA lever styles to complement a wide array of design applications
- Levers (B, L, J & P) are non-handed for efficient warehousing and for ease of installation
- 11 Architectural grade finishes
- 21 Functions
- SARGENT uses engineered solutions and flexible manufacturing processes to accommodate special applications

Security

- Torx® and spanner screws optional
- Classroom security and multiple locking functions available
- Vandal resistant trim optional (FW- option)
- Security key systems available (Signature, Keso, BR-XC, XC)

Applications

- Designed to conform to national & state fire and handicapped requirements
- Grade 1 Lock
- Heavy duty commercial and institutional interior and exterior doors
- Offices
- Schools/Universities
- Hospitals
- Manufacturing facilities

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Lever & Rose Designs

10 Line Cylindrical Lever Locks

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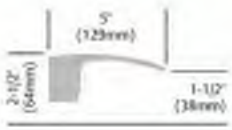
B Lever Design

- Lever: B–Solid Cast



G Rose Design

- Rose G - Heavy Wrought

Y Lever Design - Coastal Design - Yarmouth

- Lever: Y–Solid Cast
- Handed

L Rose Design

- Rose L - Heavy Wrought

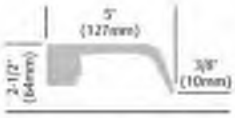
J Lever Design

- Lever: J–Wrought

J lever – not available with Freewheeling or Interchangeable Core

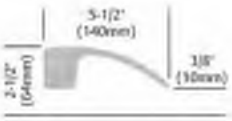
L Lever Design

- Lever: L–Solid Cast



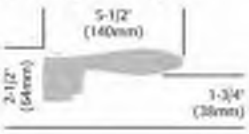
P Lever Design

- Lever: P–Solid Cast



G Lever Design - Coastal Design - Gulfport

- Lever: G–Solid Cast
- Handed



NOTE: Any rose or lever on this page can be combined to suit individual taste.
NOTE: All lever height measurements represent total distance from door face.

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Functions

10 Line Cylindrical Lever Locks

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Single Cylinder Functions

04 Storeroom or Closet

10G04

- Deadlocking latch
- Latch by lever inside or key outside
- Outside lever rigid at all times
- **ANSI/BHMA F86**

05 Entrance or Office

10G05

- Deadlocking latch
- Latch by either lever unless outside lever is locked by push/turn button in inside lever
- Push button released by key outside or lever inside
- Turn button must be released manually
- Key retracts latch when outside lever is locked
- **ANSI/BHMA F109**

24 Entrance or Office

10G24

- Deadlocking latch
- Latch by either lever unless outside lever is locked by push button in inside lever
- Push button released by key or turning inside lever
- Closing door does not unlock outside lever or release button
- Key in outside lever retracts latch when outside lever is locked and releases inside push button
- **ANSI/BHMA F82A**

37 Classroom

10G37

- Deadlocking latch
- Latch by either lever unless outside lever is locked by key
- Key in outside lever locks or unlocks outside lever and retracts latch
- Inside lever always operative
- **ANSI/BHMA F84**

44 Service Station

10G44

- Deadlocking latch
- Latch by either lever unless outside lever is locked by push button in inside lever
- Key retracts latch when outside lever is locked
- Push button released by turning inside lever, closing door, or by key in outside lever unless push button is fixed in locked position by turning coin slot in inside lever
- Slotted inside button must be manually released
- **ANSI/BHMA F92**

50 Hotel, Dormitory or Apartment

10G50

- Deadlocking latch
- Latch by key outside and lever inside
- Outside lever always rigid
- Depressing push button when door is closed shuts out all keys except emergency key and projects visual occupancy indicator in cylinder face
- Push button released by turning inside lever automatically reactivating all keys and retracting visual occupancy indicator
- Lock out key fixes push button in locked position, shutting out all keys except emergency
- Push button fixed by lockout key must be released manually
- Lock out key provided
- See option page for restrictions to 50 function
- Emergency key ordered separately. Part # 6267EMK
- **ANSI/BHMA F93**

54 Corridor, Dormitory

10G54

- Deadlocking latch
- Latch by either lever unless outside lever is locked by push button inside or key outside
- Rotating inside lever or closing door releases inside button only, but does not unlock the outside lever if locked by key
- Key outside locks or unlocks outside lever and also retracts latchbolt when locked
- **ANSI/BHMA F90**

Freewheeling Locked Lever Option

- Available on all locking functions except 10G70 and 10G71
- Provides protection from vandalism and added security
- Stops in the rose prevent the lever from traveling beyond 60° in either direction
- Not available in "J" Lever Design and some options

Shaded lever indicates it is rigid at all times.

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Functions

10 Line Cylindrical Lever Locks

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ASSA ABLOY

Double Cylinder Functions

16 Classroom Security, Apartment, Exit, Privacy

10G16

- Deadlocking latch
- Latch by either lever unless outside lever is locked by key in inside lever
- Key in outside lever retracts latch when outside lever is locked
- Inside lever always operative
- **ANSI/BHMA F88**

17 Utility, Asylum or Institutional

10G17

- Deadlocking latch
- Both levers rigid at all times
- Latch by key either side
- Use only on rooms with more than one exit
- **ANSI/BHMA F87**

26 Store or Storeroom

10G26

- Deadlocking latch
- Latch by either lever
- Key in either lever locks or unlocks both levers
- **ANSI/BHMA F91**

30 Communicating

10G30

- Deadlocking latch
- Latch by either lever
- Key in either lever locks or unlocks its own lever only
- Use only on rooms with more than one exit
- **ANSI/BHMA F80**

38 Classroom Security Intruder

10G38

- Deadlocking latch
- Latch by either lever unless outside lever is locked by key
- Key in either lever locks or unlocks outside lever
- Inside lever always operable
- Locked indication on inside rose standard with this function
- **ANSI/BHMA F110**

Non-Cylinder Functions

13 Exit

10G13

- Deadlocking latch
- Latch by inside lever
- Outside lever rigid at all times
- **ANSI/BHMA F89**

15 Passage

10U15

- Latch by either lever
- **ANSI/BHMA F75**

15-3 Exit or Communicating

10G15-3

- Deadlocking latch
- Blank rose outside
- Latch by lever inside
- Minimum clearance of 1-1/8" on single doors and 2-1/4" between double doors

65 Privacy/Bathroom

10U65

- Latch by either lever unless outside lever is locked by push button in inside lever
- Turning inside lever or closing door releases button
- Emergency button in outside lever unlocks, with use of a blade screwdriver in outside lever and releases inside button
- **ANSI/BHMA F76A**

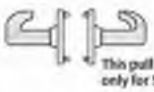
68 Hospital Privacy

10U68

- Latch by either lever unless outside lever is locked by push button in inside lever
- Turning inside lever or closing door releases button
- Rotating thumbturn in outside lever unlocks the outside lever and releases the inside button
- Not available in the "J" lever design

93 Single & 94 Double Lever Pulls

10U93/10U94



- For wood or custom hollow metal doors
- Lever and rose both sides joined by two through-bolts
- Requires special door preparation—see template

94-2 Double Lever Pull

10U94-2

- For wood or custom hollow metal doors
- Lever and rose both sides joined by two through-bolts
- Dummy latch plate
- Uses standard door prep template

Shaded lever indicates it is rigid at all times.

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Experience a safer and more open world

Electromechanical Functions & Accessories

10 Line Cylindrical Lever Locks

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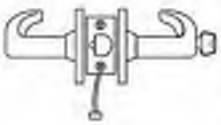
70 Electromechanical (Fail Safe)
71 Electromechanical (Fail Secure)

10G70



- 10G70: Power off, unlocks outside lever
- 10G71: Power off, locks outside lever
- Deadlocking latch
- Key retracts latch
- Inside lever always allows egress
- Voltage requirements: 12VDC or 24VDC Regulated; always specify voltage
- 250mA at 24VDC or 500mA at 12VDC
- Provided with ElectroLynx® 8-Pin Connector

RX- Monitoring of Inside Lever

- Patent Pending design
- Non-Contact Switch
- Bidirectional lever rotation
- Non-handed design
- Internal switch offers N/O & N/C
- Modular wire harness with ElectroLynx® 8-pin connector
- Available functions: 04, 05, 15, 37, 70 & 71

Requirements for Electrical and Data Transfer

To answer the demand for "smart" electronic access control and locking solutions that require fast, easy, and cost-effective installation, ASSA ABLOY Group brands use the ElectroLynx® standardized plug-in connectors and color-coded wiring system.

With ElectroLynx, doorway components come pre-wired for easy hookup to the power source. Key to the system is the transfer device hinge that carries power from the frame to the locking hardware.

Features of ElectroLynx®:

- Makes it easy to bring power to the locking hardware
- Wires have connectors that snap together, like plugging a telephone into a jack

To connect 10 Line Electrified Lock to the electronic access control system, the following items are required:

- 10 Line Electrified Lock
- ASSA ABLOY Door Group pre-wired door, or ElectroLynx® retrofit cable (order from McKINNEY)
- Electronic transfer device (ElectroLynx® electronic transfer hinge or Electrical Power Transfer with standard hinge, from McKINNEY)
- ElectroLynx® cable from the hinge to above the ceiling (order from McKINNEY)

Information regarding cable selection, hinge requirements and order strings can be found in the McKINNEY Transfer Device Solutions catalog. Consult 800-810-WIRE (9473) with questions on application specifications and requirements.

McKINNEY QC8 ElectroLynx® hinge are recommended for Electrified 10 Line Applications

12VDC & 24VDC Power Supplies:

- UL Class 2 Listed
- Four 12V models and four 24V models available
- Integral battery charging capability keeps sealed lead acid gel/cell at full charge in case of line voltage failure (737-battery sold separately)
- Fused line voltage input with one, four, or eight DC outputs (depending on model)
- Each circuit can be individually turned on and off via a slide switch; the power status of each is shown by an LED.
- In the event of a DC short the problem is confined to the zone of difficulty
- Fire alarm interface standard

SARGENT MODEL No.	DESCRIPTION
3521	12V - 1 AMP POWER SUPPLY
3541	12V - 3 AMP POWER SUPPLY
3551	12V - 4.5 AMP POWER SUPPLY
3571	12V - 6 AMP POWER SUPPLY
737	12V - 5 AMP HOUR BACKUP BATTERY

SARGENT MODEL No.	DESCRIPTION
3520	24V - 1 AMP POWER SUPPLY
3540	24V - 2 AMP POWER SUPPLY
3550	24V - 4 AMP POWER SUPPLY
3570	24V - 6 AMP POWER SUPPLY
738	24V - 5 AMP HOUR BACKUP BATTERY

Securitron PowerJump™ ICPT

The Securitron PowerJump ICPT Inductive Coupling Power Transfer delivers power contactlessly and invisibly between the frame and door to power electrified hardware on the door. The PowerJump can be installed at the latch side or hinge side of the door and transfers up to 6 watts of power without pins or wires across the door gap, eliminating points of vulnerability and wear ... and no need to core drill the door. The PowerJump is field selectable for 12VDC or 24VDC systems and is ideal for fail secure applications. The unit can hold electrified latches open in continuous duty or can momentarily energize the lockset for latch retraction.

Additional information regarding this product can be found at www.securitron.com

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Strikes and Miscellaneous Parts

10 Line Cylindrical Lever Locks

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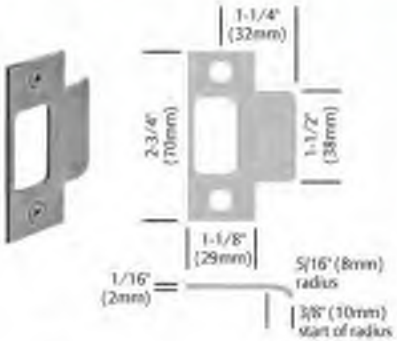
Strikes

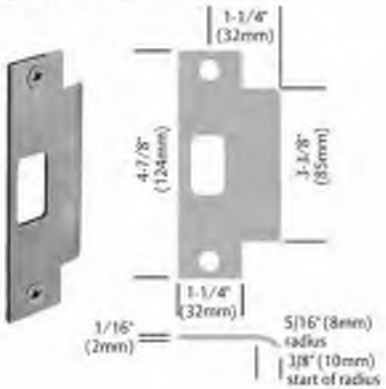
- Finishes: 03, 04, 09, 10, 10B, 10BE, 10BL, 20D, 32, 32D, BSP, WSP

2-3/4" Curved Lip Strike – Standard



- Brass, bronze or stainless steel
- Furnished standard with 1-1/4" (32mm) curved lip from center of strike screw holes to end of lip
- Lip lengths 1" (25mm), 1-1/4" (32mm) standard, 1-1/2" (38mm), 1-3/4" (44mm) and 2" (51mm)
- Plastic strike box AM-0044 included
- To order strike separately, specify 800 strike x finish x lip length

4-7/8" Curved Lip Strike: (28-Option)



- Brass, bronze or stainless steel
- Conforms to ANSI standard
- Furnished standard with curved lip 1-1/4" (32mm) from center of strike screw holes to end of lip
- Lip lengths 1-1/8" (29mm), 1-1/4" (32mm), 1-3/8" (35mm), 1-5/8" (42mm), 1-7/8" (48mm), 2-1/8" (54mm), 2-3/8" (60mm), 2-5/8" (66mm), 2-7/8" (73mm)
- 77-1141 Wrought strike box available separately
- To order strike separately, specify 808 strike x finish x lip length

ANSI Wrought Strike Box

- Used with ANSI 4-7/8" strike (#808)
- To order with lock, specify option WBS
- To order separately, specify 77-1141

Miscellaneous Parts

Part No.	Description
10-3188	1-3/8" Adapter plate pack (set of 2)
01-0949	30-option, washer only
C10-3	Emergency release cylinder (65 function)
10-0043	Push pin tool
10-2052	Screw pack (standard)
10-2070	Screw pack (28- option)
10-3048	Inside rose assembly
10-3049	Outside rose assembly
82-3855	6 lobe bit pack 6 bits (Sizes – T8, T9, T10, T15, T20, T25, T27) Requires 9/32" driver
82-3856	Spanner bit pack 5 bits (Sizes – 6, 8, 10, 12, 14) Requires 1/4" driver

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Latches

10 Line Cylindrical Lever Locks

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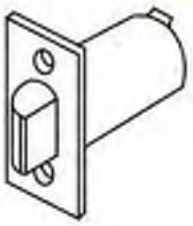
Latches

- Finishes: 03, 04, 09, 10, 10B, 10BE, 10BL, 20D, 32, 32D, BSP, WSP

Plain Latch - 10U15, 10U65, 10U68:

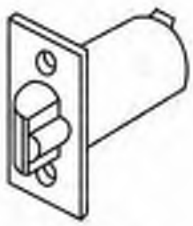
Part No.	Front	Front Width	Backset	Throw
10-3187	Square Corner	1" (25mm)	2-3/8" (60mm)	1/2" (13mm)
10-2022	Square Corner	1-1/8" (29mm)	2-3/4" (70mm)	1/2" (13mm)
10-2054	Square Corner	1-1/8" (29mm)	3-3/4" (95mm)	1/2" (13mm)
10-2057	Square Corner	1-1/8" (29mm)	5" (127mm)	1/2" (13mm)



Plain

Deadlocking Latch - All Other Functions:

Part No.	Front	Front Width	Backset	Throw
10-3186	Square Corner	1" (25mm)	2-3/8" (60mm)	1/2" (13mm)
10-2000	Square Corner	1-1/8" (29mm)	2-3/4" (70mm)	1/2" (13mm)
10-2053	Square Corner	1-1/8" (29mm)	3-3/4" (95mm)	1/2" (13mm)
10-2058	Square Corner	1-1/8" (29mm)	5" (127mm)	1/2" (13mm)
10-2634	Square Corner	1-1/8" (29mm)	2-3/4" (70mm)	3/4" (19mm)



Deadlocking

Miscellaneous:

Part No.	Description
10-2059	3-3/4" (95mm) Latch extension only
10-2060	5" (127mm) Latch extension only
10-0048	Extension cover sleeve

When ordering latches separately, specify Part No. x Finish (e.g., 10-3186 x 26D)

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Cylinders

10 Line Cylindrical Lever Locks

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Cylinders

- Finishes: 04, 15

Type	Pins	Standard Cylinder	Hotel Cylinder	Interchangeable Core^ Large Format	Interchangeable Core^ Small Format
Conventional	6	C10-1	C10-2	6300	7300B
	7	N/A	N/A	N/A	7P-7300B
Signature	6	10-C10-1	N/A	10-6300	N/A
XC	6	11-C10-1	N/A	11-6300	N/A
	7	N/A	N/A	N/A	11-7P-7300B
Degree® DG1	6	DG1-C10-1	DG1-C10-2	DG1-6300	N/A
Degree® DG2	6	DG2-C10-1	N/A	DG2-6300	N/A
Degree® DG3	6	DG3-C10-1	N/A	DG3-6300	N/A

C10-1

6300

7P-7300B

All cylinders are supplied with 2 nickel silver change keys.
When cylinders are ordered keyed to 5 pin systems, the (6th) last chamber will be empty.

Cylinders are supplied random keyed unless specified 1 bitted or master keyed. For master keyed orders provide keying details as requested on SARGENT Keyed Order Lead Sheets, located in the price book or contact customer service.

To order cylinders separately, specify part number x keyway x finish (i.e. C10-1 x LA x 15)

^Locks will be provided with the applicable tailpiece per the type interchangeable and/or removable core being used.

For example standard cores and Degree® cores require different tailpieces. When ordering complete locks, the appropriate option code must be specified in accordance to the permanent core being used. See pages 12-14 for cylinder options.

Cylinders with Competitive Keyways

Competitive Keyway	Part Number
Schlage® C	SC-C10-1
Schlage® E	SE-C10-1

All cylinders are 6-pin, 0-bitted and supplied with two brass key blanks.
Cylinders include tail piece.

Refer to Cylinders and Components catalog for more information.

Interchangeable Core Tailpieces (replacement parts)

Used with:	Type	P/N
6300 10-6300	LFIC Conventional LFIC Signature	10-0239
11-6300 DGX-6300	LFIC XC LFIC Degree®	10-3429
7300B	SFIC 6Pin	10-0239
7300B	SFIC 6 Pin	10-0286
7P-7300B	SFIC 7 Pin	10-0240
11-7P-7300B	SFIC XC	10-3138

Note: Tailpieces included with lock.

Levers That Accept Cylinders/Cores from Other Manufacturers*

Cylinder Type	Option Code Ordered with Lock	Available Levers	Tailpiece P/N (provided with lock)	Competitor Cylinder Compatibility
Fixed Core				
Schlage® 6-pin	30-	All	N/A	Schlage® Conventional or Primus®
Interchangeable Core				
SFIC 6- or 7-pin	70-, 72-, 73-	G, L, B, P, Y	10-0239 (6-pin) 10-0240 (7-pin)	All 6- or 7-pin small format interchangeable cores
Schlage® LFIC 6-pin	SF-	L	10-3428	All Schlage® 6-pin large format interchangeable cores

*Cylinder/core not included.

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Mechanical & Cylinder Options

10 Line Cylindrical Lever Locks

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Mechanical Options:

Thin Doors	1-	Adapter plates for 1-3/8" thick doors
Backset Options	20-	2-3/8" backset latch with 1" front
	23-	3-3/4" backset x 2-1/4" x 1-1/8" front
	25-	5" backset x 2-1/4" x 1-1/8" front
Strike	28-	Strike #808. Lip length 1-1/4". Lip lengths 1-5/8" to 2-7/8" in 1/4" increments only.
Security Fasteners	36-	Six lobe security head screws
	37-	Spanner head screws
3/4" Throw	41-	3/4" throw latchbolt x 2-3/4" backset
Lead Lined	74-	Lead lining I/S rose, O/S rose, and latch tube
Tactile Warning Options	75-	Tactile warning - handicap warning milled on backside of inside lever
	76-	Tactile warning - handicap warning milled on backside of outside lever
	77-	Tactile warning - handicap warning milled on backside of both levers
	85-	Tactile warning - abrasive coating on inside lever
	86-	Tactile warning - abrasive coating on outside lever
	87-	Tactile warning - abrasive coating on both levers
Freewheeling Trim	FW-	Freewheeling locking levers (G, L, B, P, Y levers only)
Finish Protection	SG-	MicroShield® antimicrobial clear powder coat (only available with 15 and 26D finishes)
	CPC-	Clear Powder Coat over 26D – 10G05 x LL x 26D x CPC
Request to Exit	RX-	Request to exit - monitors inside lever rotation (available with functions: 04, 05, 15, 37, 70 & 71)
Box Strike	WBS-	Wrought box strike

Cylinder Options:

Conventional Cylinder	DG1-	Sargent Degree key system level 1 (bump resistant with patented keys)
Degree Key System	DG1-21- *	Degree level 1 construction master keying
	DG1-60-	Degree level 1 removable disposable construction core
	DG1-63-	Degree level 1 removable core
	DG1-64-	Degree level 1 removable construction keyed LFIC
	DG1-65-*	Degree level 1 unassembled/uncombinated fixed core component cylinder (packed loose for field keying)
	DG1-63-65-	Degree level 1 unassembled/uncombinated removable core LFIC (packed loose for field keying)
	DG2- *	Sargent Degree key system level 2 (geographically exclusive; bump and pick resistant)
	DG2-21- *	Degree level 2 construction master keying
	DG2-60-*	Degree level 2 removable disposable construction core
	DG2-63-*	Degree level 2 removable core
	DG2-64-*	Degree level 2 removable construction keyed LFIC
	DG2-65-*	Degree level 2 unassembled/uncombinated fixed core component cylinder (packed loose for field keying)
	DG2-63-65-*	Degree level 2 unassembled/uncombinated removable core LFIC (packed loose for field keying)
	DG3-*	Sargent Degree key system level 3 (geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21- *	Degree level 3 construction master keying
	DG3-60-*	Degree level 3 removable disposable construction core
	DG3-63-*	Degree level 3 removable core
	DG3-64-*	Degree level 3 removable construction keyed LFIC
Signature Key System	10-*	SARGENT Signature key system
	10-21-*	SARGENT Signature construction key system (lost ball)
Signature: Large Format Interchangeable Core (Removable Core)	10-63-*	SARGENT Signature LFIC (removable core) cylinder

Note: Cylinder Options continued on the following page
* Options not available with 10G50

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Cylinder Options

10 Line Cylindrical Lever Locks

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Cylinder Options:

XC- Key System	11-*	XC Key System (not available with other Key Systems, unless specified)
	11-21-*	XC- Construction Key System (Lost Ball)
XC- Large Format Interchangeable Core (Removable Core)	11-60-*	Lock to accept XC-LFIC (removable core) and provided with disposable plastic core; XC-LFIC permanent core ordered separately
	11-63-*	Lock provided with XC-LFIC (removable core); Includes master keying, grand master keying
	11-64-*	Lock to accept XC-LFIC (removable core) and provided with keyed construction core; XC-LFIC permanent core ordered separately.
XC- Small Format Interchangeable Cores	11-70-7P-*	Lock to accept XC-SFIC (7-pin, removable core) and provided with disposable plastic core; XC-SFIC permanent core ordered separately (G, L, B, P, Y levers only)
	11-72-7P-*	Lock to accept XC-SFIC (7-pin, removable core) and provided with keyed construction core; XC-SFIC permanent core ordered separately (G, L, B, P, Y levers only)
	11-73-7P-*	Lock provided with XC-SFIC (7-pin, removable core); Includes master keying, grand master keying (G, L, B, P, Y levers only)
	11-65-73-7P-*	Lock provided with uncombinated SFIC (7-pin, removable core); Packed loose (G, L, B, P, Y levers only)
Construction Key Systems	21-*	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)
	22-*	SARGENT Construction Split Key System for Conventional Cylinders (existing systems only) (N/A with 10-, 11-, 63- or 73-)
Large Format Interchangeable Core (Removable Core)	60-*	Lock to accept LFIC (removable core) and provided with disposable plastic core; LFIC permanent core ordered separately
	63-*	Lock provided with LFIC (Removable Core) Cylinder — (Includes masterkeying, grand masterkeying)
	64-*	Lock to accept LFIC (removable core) and provided with keyed construction core; LFIC permanent core ordered separately
Small Format Interchangeable Cores	70-*	Lock to accept SFIC (6 or 7-pin, removable core) and provided with disposable plastic core; SFIC permanent core ordered separately (G, L, B, P, Y levers only)
	72-*	Lock to accept SFIC (6 or 7-pin, removable core) and provided with keyed construction core; SFIC permanent core ordered separately (G, L, B, P, Y levers only)
	73-*	Lock provided with SFIC (6-pin, removable core); Includes master keying, grand master keying (G, L, B, P, Y levers only)
	73-7P-*	Lock provided with SFIC (7-pin, removable core); Includes master keying, grand master keying (G, L, B, P, Y levers only)
	65-73-*	Lock provided with uncombinated SFIC (6-pin, removable core); Packed loose (G, L, B, P, Y levers only)
	65-73-7P-*	Lock provided with uncombinated SFIC (7-pin, removable core); Packed loose (G, L, B, P, Y levers only)
Keso & Keso F1	80-*	Lock to accept Keso and Keso F1 cylinders — no cylinders provided (G, L, B, P, Y levers only)
	82-*	Lock provided with SARGENT Keso Security Cylinder (G, L, B, P, Y levers only)
	F1-82-*	Lock provided with SARGENT Keso F1 Security Cylinder (Patented) (G, L, B, P, Y levers only)
Bump Resistant	BR-	Bump Resistant Cylinder (available with Conventional & Conventional XC Cylinders only)
Less Cylinder	LC-	Lock supplied less Cylinder
Schlage® Keyways	SC-*	Schlage® C keyway cylinder, 0 bitted
	SE-*	Schlage® E keyway cylinder, 0 bitted
Accepts Schlage® Cylinders	30-*	Lever to accept Schlage® fixed core cylinder - cylinder is not provided
	SF-*	L lever to accept Schlage® large format interchangeable core (supplied less core, tailpiece included)

* Options not available with 10G50

Notes:

- To order the 10 Line Lock for use with ASSA V-10 (VA & VS) cylinders, specify the Less Cylinder (LC-) option. V-10 cylinders are available from ASSA, Inc. @ 800-235-7482.
- 10 Line locks will be provided with the applicable tailpiece per the type interchangeable and/or removable core being used. For example standard cores and Degree® cores require different tailpieces. Appropriate option codes must be specified in accordance to the permanent core being used.

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How to Order, Packaging, Finishes

10 Line Cylindrical Lever Locks

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How to Order

5	10-RX-28-	10G70	12VDC	G	Y	RH	15	Door 3
Quantity	**Options***	**Lock & Function**	**Voltage**	**Rose**	**Lever**	**Hand**	**Finish**	**Additional Information**
	Available Options Pg 12-13 (Note: 28- for 808 ANSI Strike)	Available Functions Pg 6-7	12VDC or 24VDC Required Information For 70 & 71 Functions	Available Roses G & L	Available Levers B, Y, J, L, P & G	RH, LH, RHR, LHR	Available Finishes Pg 14	Such as Item, Heading Number, Door Number, Keyset
* Multiple options may be selected								

Packaging

28-10G05 x LL
4.2 lbs/box (1.9 kg/box)
10 boxes/case

Hand

Finishes

SARGENT #	Descriptions	ANSI/BHMA
03	Polished brass, clear coated	605
04	Satin brass, clear coated	606
09	Polished bronze, clear coated	611
10	Satin bronze, clear coated	612
10B	Oxidized bronze, oil rubbed	613
10BE	Dark Oxidized Satin Bronze - equivalent	613E
10BL	Oxidized satin, bronze, clear coated	613L
14	Polished nickel, clear coated	618
15	Satin nickel, clear coated	619
20D	Statuary dark bronze, clear coated	624
26	Polished chrome	625
26D	Satin chrome	626
BSP	Black suede powder coat	BSP
WSP	White suede powder coat	WSP
SG- Option	MicroShield® antimicrobial clear powder coat (only available with 15 and 26D finishes)	

Zinc levers are plated to match ANSI/BHMA finish.
Custom colors available, consult factory.
Split finishes:
- Specify outside finish first i.e. 10G05 x LL x 26D x 03 x RH
- Handing must be specified
- Strike and latch front will match the following:
  RH & LH = inside finish
  RHR & LHR = outside finish

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Architectural Specifications

10 Line Cylindrical Lever Locks

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Suggested Architectural Specifications - 2.0 Cylindrical Locks

A. Locks shall be 10 Line as manufactured by Sargent Manufacturing Company, New Haven, CT.

B. Locks shall exceed the requirements of ANSI/BHMA A156.2 Series 4000, Grade 1 with all standard trims, as follows:
1. Cycle Test: Exceeds 5 times ANSI/BHMA A156.2 Grade 1 requirements
2. Abusive Locked Lever Torque — without entry gained: Exceeds 1.5 times ANSI/BHMA A156.2 Grade 1 requirements

C. Locks shall be non-handed with bi-directional lever operation, except the "G" and "Y" lever designs.

D. Through-bolt mounting shall be adaptable to fit a variety of standard cylindrical lock preps.

E. Locks shall comply with UL 10C positive pressure requirements.

F. Locks required for fire doors shall be listed by Underwriters Laboratories for ratings of 3 hours (A label) and less, for doors up to 4'0" (1.2m) x 10'0" (3.0m) and pairs of doors 8'0" (2.4m) x 10'0" (3.0m).

G. Lock levers shall be made of solid material.

H. Lock shall be available in a minimum of six different lever designs.

I. Locks shall have a 2-3/4" (70mm) backset standard.

J. Strikes shall be non-handed with a curved lip. Provide wrought boxes with strikes.

K. Locks shall have brass 6-Pin cylinder standard.

L. Provide two nickel silver keys with each lock.

J. Locks shall have a seven year limited warranty.

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT

ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electromechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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90144 11/19

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-043-TM_T10

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Door Stop
Item Type	Floor Stop
Description	Cast brass floor stop
Manufacturer	Trimco
Model	1231
Dimensions	2" high
Color	Satin Nickel
Finish	US15/619
Material Composition	Solid cast brass
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	1
Best Practices	Recycled content
Quality Standards	ANSI/BHMA A156.16 Auxiliary Hardware
Accessibility Compliance	ADA and ANSI A117.1
Fastener	Screws
Warranty	Lifetime

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Trimco
Contact Name: Customer Service
Phone: 323.262.4191
Email: csr@TrimcoHardware.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Stairs
Elevator Equipment Room

Trimco 1231/1233

Available Finishes:

Special Options Available

Trimco's 1231 and 1233 Series floor stops are expertly cast from bronze or brass for long lasting durability. Available in many architectural finishes, these stops are a great choice for protecting doors and walls in just about any environment.

PRODUCT FEATURES

- Cast from bronze or brass for long lasting durability.
- Two heights - 2" & 2-7/8".
- Available in all architectural finishes.

FUNCTIONS/OPTIONS

- 1231 - Floor Stop, 2" High
- 1233 - Floor Stop, 2-7/8" High

RESOURCES

- Templates
- Warranty

APPLICATIONS

- Commercial & Industrial Buildings
- Government & Military Facilities
- Retail & Strip Malls
- Hospitality
- Office Buildings

STANDARDS

This product meets the following standards.

⚠ WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

PRODUCTS

Architectural Products

Identity Hardware

Healthy Hardware

Lockdown Hardware

Hands-Free Solutions

Push/Pull Plates, Grips & Bars

Door, Wall & Frame Protection

- Stops & Holders
- Silencers
- Kick & Armor Plates
- Coordinators
- Specialty Plates
- Latch, Panic, Edge & Frame Guards
- Door Caps

Fantom Doorstops

Latching & Locking

Accessories & Other Products

Designer Collections

Custom

Part Number Index

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Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-045-RX_T10

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Door holder/release
Item Type	Magnetic door holder/release
Description	Wall-mounted door holder
Manufacturer	Rixson
Model	998M
Dimensions	2-3/4" projection
Finish	689
Material Composition	Steel
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Operation	Magnetic
Quality Standards	ANSI/C00011
Accessibility Compliance	ADA and ASNIO A117.1
Warranty	2 years

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Rixson (Assa Abloy)
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Stairs
Corridors

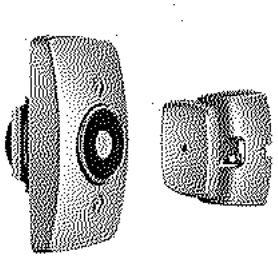
Model 997M

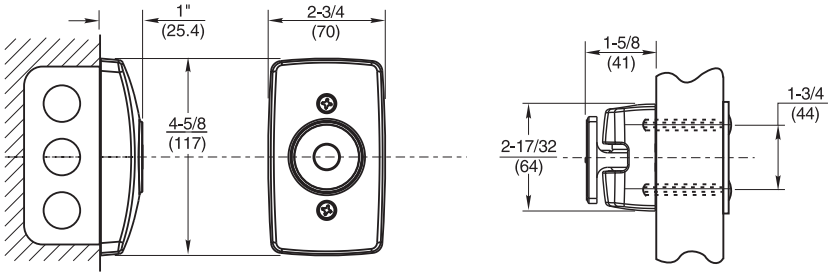
Application
- Wall mount
- Concealed wiring
- Shipping weight: 2 lbs. (0.9 kg)

Features
- Total projection: 2-5/8" (67mm)
- Mounting requirements: 2" x 4" x 1-3/4" (51 x 102 x 45mm) outlet box
- Wall must be properly reinforced and outlet box adequately fastened
- 2 year limited warranty

Compliance
- ANSI/C00011

Electrical Data
- Voltage and current:
  120VAC, 60Hz., .020 amp
  24VAC/DC, 60Hz., .020 amp
  12VDC, .040 amp
- For 50-55 lbs. of holding force, specify voltage
  120VAC, 60Hz .017 amp
  24VAC, 60Hz .080 amp
  24VDC, .068amp
  12VDC, .180amp
  240VAC, 50/60Hz. .009 amp





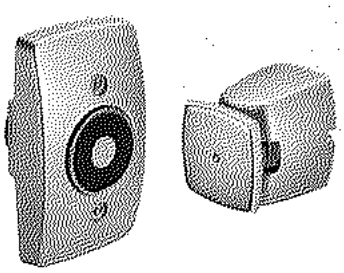
Model 998M

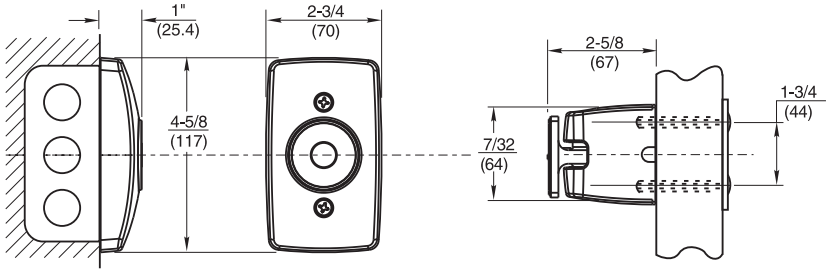
Application
- Wall mount
- Concealed wiring
- Shipping weight: 2-1/2 lbs. (1.1 kg)

Features
- Total projection: 3-5/8" (92mm)
- Mounting requirements: 2" x 4" x 1-3/4" (51 x 102 x 45mm) outlet box
- Wall must be properly reinforced and outlet box adequately fastened
- 2 year limited warranty

Compliance
- ANSI/C00011

Electrical Data
- Voltage and current:
  120VAC, 60Hz., .020 amp
  24VAC/DC, 60Hz., .020 amp
  12VDC, .040 amp
- For 50-55 lbs. of holding force, specify voltage
  120VAC, 60Hz .017 amp
  24VAC, 60Hz .080 amp
  24VDC, .068amp
  12VDC, .180amp
  240VAC, 50/60Hz. .009 amp





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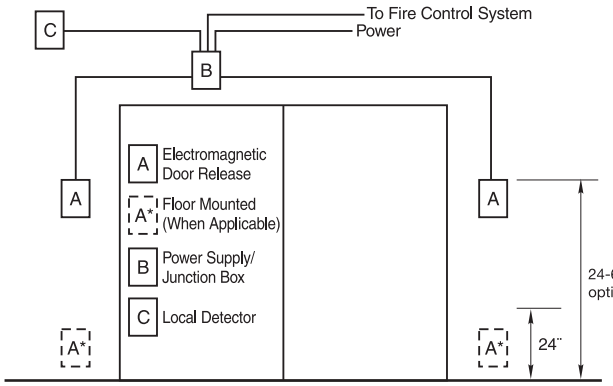
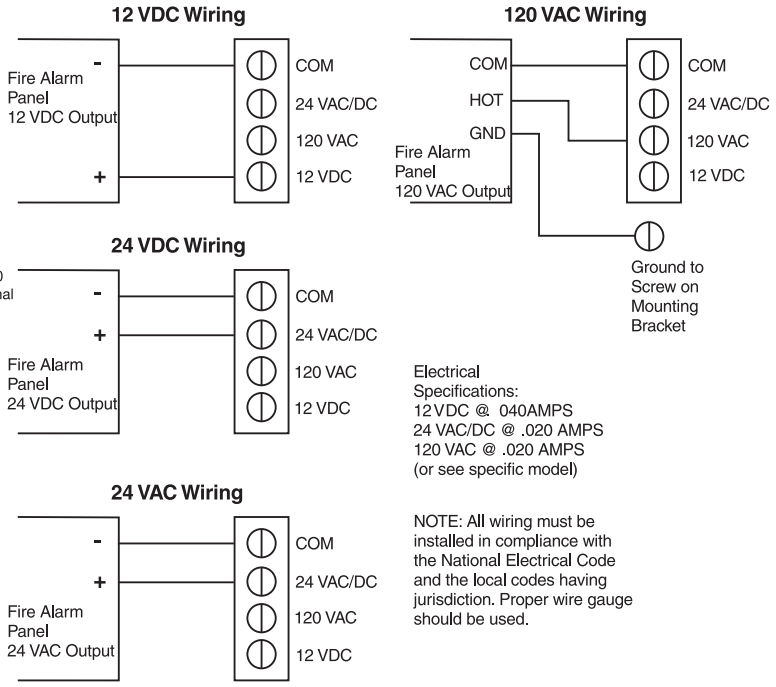
Schematics





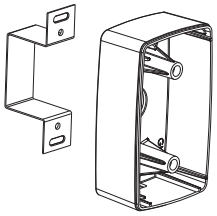
Electrical Specifications:
12 VDC @ 040AMPS
24 VAC/DC @ .020 AMPS
120 VAC @ .020 AMPS
(or see specific model)

NOTE: All wiring must be installed in compliance with the National Electrical Code and the local codes having jurisdiction. Proper wire gauge should be used.

Operation Narrative

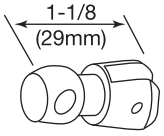
Doors are to be normally held open. The electromagnetic door releases will be energized with the voltage shown (at right) in the hardware set for this opening. Power shall be controlled by the fire control system. It will interrupt the power if alarmed, causing the doors to be released, thus allowing the door closers to close the doors. When power is restored the magnets will re-energize, permitting the doors to be manually returned to their held open position.

Accessories

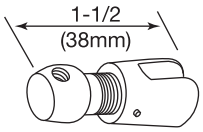


1-1/2" (38mm) Extension (for use only with Models 997M, 998M & 994M) Mounts behind wall cover.

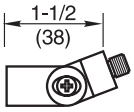
XK996M
Part# 996631M-*



994M Swivel Armature (cannot be used with extension spacers)
Part# 900-3



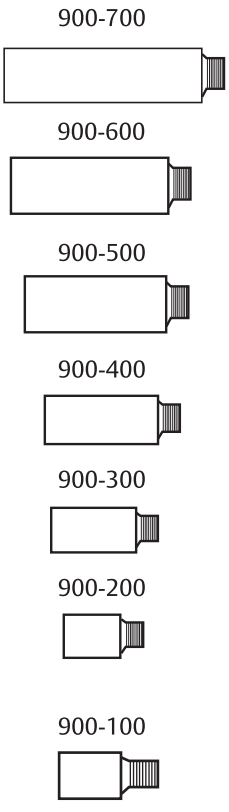
Base Unit Armature Extension Mounts between armature and contact plate.
Part# 900
Cannot be used with model 994M



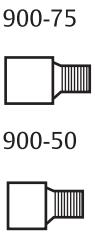
Armature Extension 90° Bend
Part# 900-Z
Must be used with 900 base unit. Those two pieces will extend armature 3" longer than the contact plate.

*specify finish

Spacer lengths – must be used with 900 base



For dimensions, see chart below



Extension pieces must be used in conjunction with 900 Base Unit

Part# 900-700 = 7"
Part #900-600 = 6"
Part# 900-500 = 5"
Part# 900-400 = 4"
Part# 900-300 = 3"
Part# 900-200 = 2"
Part# 900-100 = 1"
Part# 900-75 = 3/4"
Part# 900-50 = 1/2"

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ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

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CONTACT US AT:

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160 Four Valley Drive
Vaughan, Ontario, L4K 4T9 Canada
Tel: 800-461-3007
Fax: 800-461-8989

For a complete listing of products and applications please visit our web site.
www.rixson.com
www.assaabloydss.ca

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T15A_Interior Vestibule Entry

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-018-SA_T15A

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Remote RFID Reader
Item Type	RFID reader - remote
Description	Stand-alone remote RFID reader to control electronic access control devices in perimeter areas, common areas, and restricted areas.
Manufacturer	Saflok (dormakaba)
Model	RCU RFID X BLE
Dimensions	4.56" w x 4.5" h x 0.75" d
Finish	US26D
Material Composition	Steel
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Operation	Electronic 12V DC
Accessibility Compliance	ADA and ANSI A117.1
Warranty	Lifetime

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Saflok (dormakaba)
Contact Name:
Phone: 800-523-8483
Email: lodgingsupport@dormakaba.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Lobby
Indoor Pool

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-025-SA_T15A

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Exit push button for automatic sliding door
Item Type	Flush-mounted mushroom pushbutton exit release
Description	Flush-mounted Exit Pushbutton
Manufacturer	Dormakaba
Model	908-RE
Dimensions	2-3/4"W x 4-1/2"H
Color	Plate is brushed aluminum; Button is red with white lettering.
Finish	32D
Material Composition	Aluminum plate with plastic button
CSI #	087100 - Door Hardware
Omniclass #	22-087100 - Door Hardwarte
Best Practices	Recycled content of aluminum
Accessibility Compliance	ADA and ANSI A117.1
Warranty	2 years

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Saflok (dormakaba)
Contact Name:
Phone: 800-523-8483
Email: lodgingsupport@dormakaba.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Lobby

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-026-SL_T15A

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Key switch
Item Type	Key switch for access control
Description	Key switch for automatic sliding doors
Manufacturer	Schlage (Allegion)
Model	653-04
Finish	630, Satin Finish on 0.35 Stainless Steel
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Operation	SPDT maintained single direction
Accessibility Compliance	ADA and ANSI A117.1
Warranty	2 years

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Schlage Locks (Allegion)
Contact Name:
Phone: 888-805-9837
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Lobby

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-027-SG_T15A

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Lock cylinder
Item Type	Mortise lock cylinder
Description	Mortise lock cylinder, 6-pin
Manufacturer	Sargent / ASSA ABLOY
Model	8241
Dimensions	1-1/8" depth
Finish	US32D
Material Composition	Steel
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	ANSI/BHMA Grade 1
Classification	Mortise lock cylinder
Fire/Smoke Rating	Up to 3 hours
Best Practices	Recycled content
Quality Standards	ANSI/BHMA A156.5
Accessibility Compliance	ADA and ANSI A117.1
Accessories	No. 97 rosette and compression spring, “break-off" screws and back plate
Warranty	10 years
Notes	https://tinyurl.com/2fmrzyx8

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Sargent Manufacturing
Contact Name:
Phone: 800-727-5477
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Lobby

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-029-SA_T15A

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Power Supply
Item Type	Power Supply
Description	Boxed power supply unit for electronic door hardware
Manufacturer	Dormakaba
Model	PS Series
Dimensions	15”x18”x6”
Color	NA
Finish	Factory-finished
Material Composition	NA
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Classification	UL1310 class 2
Best Practices	Recycled content
Quality Standards	UL FWAX2.SA6635 cUL FWAX8.SA6635 UL/cUL ALVY.BP7041 /UEHX7.BP7041 UL Certificate of Compliance (CoC) CSFM 3774-0923:0102 CSFM 3774-0923:0103 ANSI/UL 294 Listed CSA-C22.2 No.205 Listed MEA – City of New York Approved
Warranty	Lifetime replacement warranty

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Saflok (dormakaba)
Contact Name:
Phone: 800-523-8483
Email: lodgingsupport@dormakaba.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Lobby

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-030-AI_T15A

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Intercom/ remote door control system
Item Type	Intercom/remote door release system
Description	Audio door answering and door release system • Simple door answering (1 door) • Electronic call tone from door station • Press-to-talk communication at master • Hands free communication at door • Monitor entry area undetected from inside • Voice and call tone volume controls • Variety of remote stations available • Door release • Simple 2 conductor wiring between door and master station (with separate 2 conductor wiring for door release)
Manufacturer	Aiphone Communication Systems
Model	LEM-1DLS Access Sentry Set
Dimensions	5-5/8" w x 7-1/16" h x 2-1/8" d
Color	Brushed stainless steel
Finish	US32D
Material Composition	Stainless steel
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Operation	Press-to-talk, release-to-listen at master station. Hands free at remote station.
Accessibility Compliance	ADA and ANSI A117.1
Accessories	1 LEM-1DL Master Station; 1 LE-D Door Station; 1 PT-1210N Transformer
Warranty	Not available

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: AIPhone Communication Systems
Contact Name:
Phone: 800-692-0200
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Lobby

T16_Elec_Server Closet_Hskp Storage_Laundry Storage

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-006-TM_T16

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Door Stop
Item Type	Wall Mounted Door Stop
Description	Wrought concave wall bumper
Manufacturer	Trimco
Model	1270WV.626
Finish	US26D, gray rubber
Material Composition	Stainless Steel, Rubber
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	1
Best Practices	Recycled content
Fastener	screws, concealed
Warranty	2 Years

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Trimco
Contact Name: Customer Service
Phone: 323.262.4191
Email: csr@TrimcoHardware.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry
Administration
Public Restrooms
Employee Areas
Guest Laundry
Fitness Center
Indoor Pool
Pool Storage
Welcome Desk
Engineering & Maintenance
Food & Beverage Back-of-House
Corridors

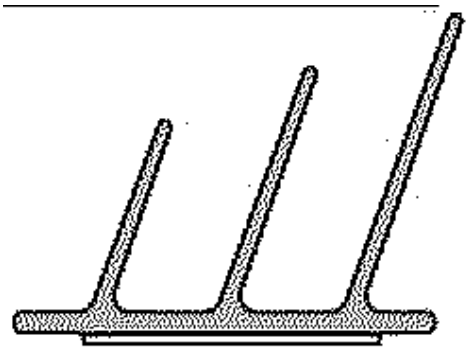
Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-007-PK_T16

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Door seal
Item Type	Fire/smoke gasketing
Description	Fire/smoke gasketing, adhesive-backed
Manufacturer	Assa Abloy/Pemko
Model	S773D
Dimensions	17, 18, 20, 21 and 25 ft. coils
Color	Dark brown (D)
Material Composition	Silicone
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Fire/Smoke Rating	Tested and approved under UL 10C for fire; UL 1784 for smoke
Acoustical Performance	ASTM E90 and BS EN ISO 140-3 for sound control
Best Practices	Low-emitting materials
Quality Standards	BHMA A156.22
Accessibility Compliance	ADA and ANSI A117.1
Lead Time	Standard Lead Time 3-5 Business Days - Verify with Manufacturer.
Warranty	2 Years if installed with 6 months of ship

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Assa Abloy
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Stairs
Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry
Elevator Equipment Room
Administration
Public Restrooms
Employee Areas
Guest Laundry
Fitness Center
Indoor Pool
Pool Equipment
Pool Storage
Corridors

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-009-YA_T16

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Door closer
Item Type	Door closer
Description	Heavy-Duty Non-Hold Open Parallel Arm with Removable Stop, Adjustable Size
Manufacturer	Yale
Model	2721
Dimensions	12-45/64" x 1-15/32"
Color	NA
Finish	689
Material Composition	Cast aluminum
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	1
Classification	Door closer
Fire/Smoke Rating	UL 10B and UL 10C compliance
Thermal Performance	Extreme temperature fluid (temperature range from -30 degrees F to 120 degrees F.)
Operation	Manual. Stop only arm, non-hold open.
Best Practices	Recycled content
Quality Standards	ANSI A156.4 Door Controls - Closers
Accessibility Compliance	ADA and ANSI A117.1
Accessories	Door mounting kit
Cover Finish	Paint
Opening Degree	180
Cover Material	Plastic
Mounting Type	Surface
Stop Type	Integral spring
Warranty	2 years

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Yale Locks & Hardware (Assa Abloy)
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

AREAS

Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Indoor Pool
Pool Equipment
Pool Storage

ALTERNATE MANUFACTURER 4	

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-016-SA_T16

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Entry Lock (less deadbolt)
Item Type	Entry Lock with RFID Reader
Description	Electronic mortise lockset with 1" (25.4mm) and 5/8" (15.9mm) dead-locking latch bolt (LESS DEADBOLT)
Manufacturer	DormaKaba/Saflok
Model	Saflok Quantum RFID X ADB X BLE X Troy
Color	Satin Nickel
Finish	US15
Material Composition	Plated carbon steel
CSI #	087100 - Door Hardware
Omniclass #	22-087100 - Door Hardware
Grade	ANSI Grade 1
Best Practices	Recycled content of steel
Quality Standards	ANSI/BHMA A256.13-2012 Standard for Mortise Locks and Latches," and "ANSI/BHMA A256.25-2013 Standard for Electrified Locking Devices."
Accessibility Compliance	At a minimum, comply with accessibility regulations and standards of the country where the project is located. If governing accessibility regulations and standards do not exist, comply with the criteria as outlined by the U.S. ADA Standards for persons with disabilities. (www.ada.gov)
Accessories	Four (4) AA batteries
Handle Finish	Satin nickel US26D
RFID Finish	Black
Handle	Troy
Lead Time	Verify with manufacturer at time of purchase.
Warranty	2 Years
Notes	Case hardened full 1 inch (ANSI) Throw. Deadbolt with panic release function - deadbolt and latch are automatically retracted by inside handle for easy egress in case of emergency

SPECIAL INSTRUCTIONS

GC/Designer to determine handing necessary for project and order accordingly.

MANUFACTURER

Vendor Name: Saflok (dormakaba)
Contact Name:
Phone: 800-523-8483
Email: lodgingsupport@dormakaba.com

ALTERNATE MANUFACTURER 2

AREAS

Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry

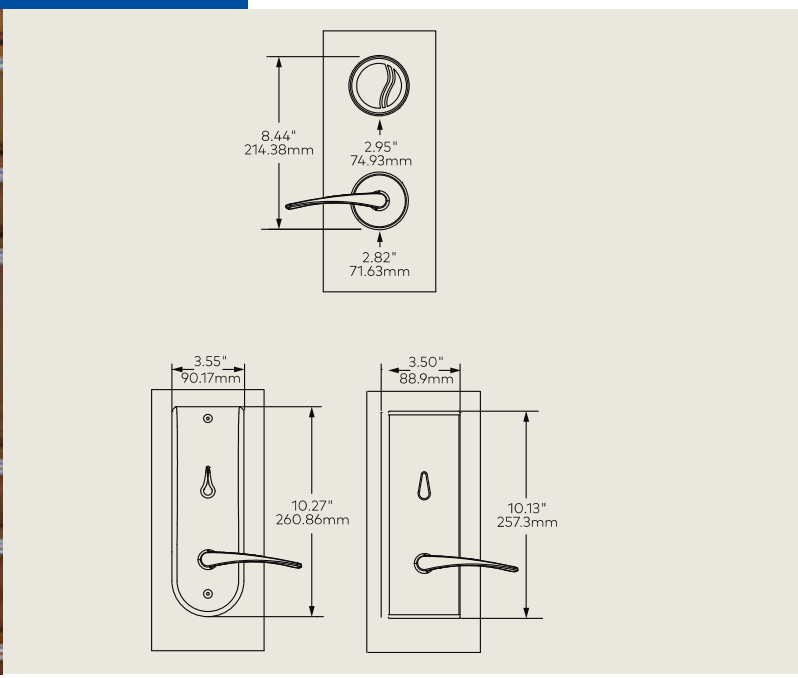
Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

ALTERNATE MANUFACTURER 3	Elevator Equipment Room Guest Laundry Fitness Center Indoor Pool Pool Equipment Pool Storage Welcome Desk Administration Engineering & Maintenance Food & Beverage Back-of-House
ALTERNATE MANUFACTURER 4	

Saflok Quantum™ RFID

dormakaba



Overview
The Saflok Quantum RFID lock offers a unique two-piece modular design with a choice of inside escutcheon look. Synonymous with superior performance, the lock is renowned for access control, life safety and security. The Quantum RFID is easy to use and works with dormakaba Access Management Software.

Mobile Access
The Quantum RFID is Bluetooth Low Energy (BLE) capable and can operate using the dormakaba Mobile Access Solutions.

Applications
- Suitable for small to very large scale hotels
- Easily replaces existing mechanical or electronic door locks throughout a facility
- Access control for guest rooms, common areas as well as back-of-house

Security Features
- High security and tamperproof design
- 1" solid deadbolt (optional auto deadbolt)
- Staff monitoring - Keycard audits
- Tracking mortise for door ajar reporting

Low Maintenance
- Batteries last up to 2 years
- Low battery indicator alerts staff
- Lock programming and audit records are not erased during battery replacement
- Operates with a completely sealed contactless reader

Access control management software
The Quantum RFID lock is supported by dormakaba's robust access management software solution that features an array of access control workflows for both guest and staff access. Optionally, choose dormakaba's online access management solution for superior control and monitoring.

Mechanical Features

Description	Electronic mortise lockset with 1" (25.4mm) throw deadbolt and ⅝" (15.9mm) dead-locking latch bolt
Handing	Factory-handed mortise (left, right, left reverse, right reverse)
Lever	ADA Compliant Apogee Arc Continental Elevon Gala Troy
Deadbolt	1" (25.4mm) throw deadbolt and ⅝" (15.9mm) dead-locking latch bolt
Door Thickness	1¾" (44.5mm) to 2⅛" (53.98mm) for standard product
Weight	Approx. 8.0 lbs with hardware
Housing Construction	Escutcheons: Zinc Levers: Brass, zinc, or stainless steel
Standard Finishes	Bright chrome, bright brass, satin chrome, satin brass, dark mahogany
Inside Trim Options	Optional ädəse or MT inside escutcheon
Standard Backset	2¾" (69.9mm) from door edge to lever
Locking Options	ANSI lock case with 1¼" or 1" lock front mortise Options: automatic deadbolt, door ajar European lock case mortise (20 x 165 mm) with 20 x 233 mm lock front mortise
Online Configurations	Messenger Ready: DAJ mortise (ANSI lock case) Standard (stand alone) inside escutcheon
	Messenger Online: Lock controller board with Messenger capability DAJ mortise (ANSI lock case) Inside escutcheon equipped with Messenger module

Mobile Access Options (Quantum RFID Series)

BLE compatible BLE ready BLE enabled	Standard Lock. Upgradable to BLE by adding BLE connector cable, end cap and BLE module Upgradable to BLE with BLE module End cap with BLE module included, no further upgrades needed

Batteries

Alkaline - Four AA battery pack	Battery life is up to 2 years Low battery indicator: alerts staff that batteries need to be changed soon

Lock Operation

Date/Time Stamp	Real-time; date and hours/minutes
Interrogation	Obtain key usage reports from the lock by using a handheld unit at the door, or increase efficiency by performing a remote Interrogation using Messenger (optional)
Pre-registered Keycards	Keys can be made up to ten days in advance without cancelling current or arriving guests
Keycard Expiration	Configurable expiration dates; can be automatically set for check out date or manually applied when making key during check in process.
Passage Mode	Set by authorized keycard or Messenger system. Can also be configured to perform an automated/pre-defined passage mode time.
Lockout Mode	Set by authorized keycard or Messenger system
Keycards Accepted	Mifare Classic keycards (4 byte NUID)
Feedback	Light indicators in reader
Diagnostics	Light indicators and handheld display
Audit Trail	Up to 4,000 events
Disability Feature	RCU readers interface with automatic power operated doors for special openings
Privacy Override	Emergency keycards

Certifications & Testing

Accessibility Standard	ADA compliant levers (Code of Federal Regulations 28 CFR Part 36 – 1994 "ADA Standards for Accessible Design")
BHMA/ANSI	Certified to be compliant with Grade One performance tests for "ANSI/BHMA A256.13-2012 Standard for Mortise Locks and Latches," and "ANSI/BHMA A256.25-2013 Standard for Electrified Locking Devices." (Only locks tested and approved by non-biased third-party test lab are allowed in the "BHMA Certified Products Directory" found at www.buildershardware.com)
Fire Rating	Listed for pre-prepared manufactured doors and certified for retrofitting on existing doors by Underwriters Laboratories for use on fire doors having up to a three-hour rating. a. U.L. Certification: GWVW.R12071 "Accessories for Single-point Locks and Latches and Fire Exit Hardware." Evaluated in accordance with UL 10B and UL 10C. b. U.L. Listing: GYQS.R11247 "Electrically Controlled Single-point Locks and Latches." Evaluated in accordance with UL 10B and UL 10C. c. Also classified in accordance with Uniform Building Code Standard 7-2, "Fire Test of Door Assemblies" (1997)
Electronics	FCC Part 15 Class A and CE directive 89/336/EEC compliant
Environmental Operating Conditions	Indoor side: 32°F to 151°F (0°C to 66°C) Outdoor side: -31°F to 151°F (-35°C to 66°C) 0% to 85% non-condensing humidity at 86°F (30°C)

Warranty

Standard Warranty	Two years
Support Programs	dormakaba Service Plans (Platinum, Gold, Silver)

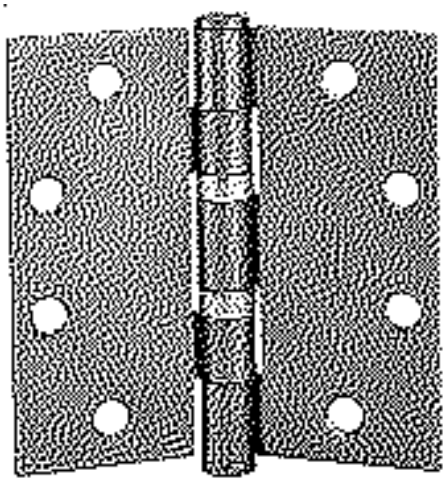
Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-022-MK_T16

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Hinge
Item Type	Hinge
Description	Five knuckle standard weight hinge
Manufacturer	ASSA ABLOY/McKinney
Model	TA2714
Dimensions	4-1/2" x 4-1/2"
Finish	US15, Satin Nickel
CSI #	087100 - Door Hardware
Omniclass #	22 - 087100 - Door Hardware
Quality Standards	ANSI/BHMA A156.1, 156.7
Knuckle	Five Knuckle
Weight	Standard
Lead Time	5-10 business days
Warranty	One year limited warranty



SPECIAL INSTRUCTIONS
Refer to door hardware schedule for hardware locations

MANUFACTURER

Vendor Name: Assa Abloy
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Stairs
Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry
Elevator Equipment Room
Public Restrooms
Employee Areas
Guest Laundry
Fitness Center
Administration
Engineering & Maintenance
Food & Beverage Back-of-House

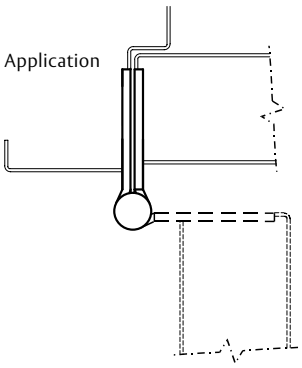
Five Knuckle Standard Weight Series

Recommended for standard weight, medium frequency doors, or doors with closing devices.

- Use for common flush door/frame/wall applications
- For Beveled Edge, where doors are beveled on hinge side, specify TA4314 or TA4714
- For available finishes see page 29

TA2314
TA2714

No.	ANSI Cross Reference	Base Material	Weight
TA2314	A5112	Stainless	STD
TA2314	A2112	Brass	STD
TA2714	A8112	Steel	STD



Specifications

Inches	mm	Gauge	No. of Holes	Fasteners	
				Machine	Wood
3 1/2" x 3 1/2"*	88.9 x 88.9	.123	6	1/2 x 10-24	1 x 10
4" x 4"*	101.6 x 101.6	.130	8	1/2 x 12-24	1 1/4 x 12
4 1/2" x 4"	114.3 x 101.6	.134	8	1/2 x 12-24	1 1/4 x 12
4 1/2" x 4 1/2"	114.3 x 114.3	.134	8	1/2 x 12-24	1 1/4 x 12
5" x 4 1/2"*	127 x 114.3	.146	8	1/2 x 12-24	1 1/4 x 12
5" x 5"*	127 x 127	.146	8	1/2 x 12-24	1 1/4 x 12
6" x 6"*	152.4 x 152.4	.160	10	1/2 x 1/4-20	1 1/2 x 14

* Not available in Brass base material.

Options:

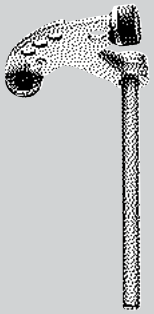
Code	Description
NRP	Non-Removable Pin
TB	Ball Bearing
TCA	Concealed Bearing
RC	Round Corner – 1/4" radius furnished unless specified otherwise
HT	Hospital Tip

Code	Description
BT	Ball Tip
ST	Steeple Tip
SSF	Safety Stud Feature
QC	ElectroLynx® Hinge – 2, 4, 6, 8, 10 or 12 wire available

Code	Description
CC	Concealed Circuit – 2, 4, 6, 8, 10 or 12 wire available
CC-18	Concealed Circuit – 2, 4, 6, 8 or 10 wire available (2-18AWG wires and the remainder 28AWG wires)
MM	Magnetic Monitoring

McKinney Hinge Pin Door Stop

- Recommended for high-use or high impact doors with McKinney T2714 or TA2714 hinges
- Protects against damage to doors and walls
- Runs the full length of the hinge



Part number	Description	Finish
76305	Hinge Pin Stop for MacPro MP79 & MPB79	26D
76306	Hinge Pin Stop for McKinney T2714 & TA2714	26D

ASSA ABLOY

The global leader in door opening solutions

800-346-7707 | www.mckinneyhinge.com

Check the web site for the up-to-date catalog

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T17_Linen Storage_Linen Chute_Storage

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-003-YA_T17

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Door Closer
Item Type	Surface Door Closer
Description	Architectural Door Closer with cover; parallel arm configuration
Manufacturer	Yale
Model	2701
Dimensions	13-5/8" L x 3-7/8" H x 7-5/8" Arm Extension
Color	689
Finish	Plated
Material Composition	Aluminum alloy
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 Door Hardware
Grade	ANSI Grade 1
Fire/Smoke Rating	UL and cUL listed for 3 hour assemblies
Operation	Manual, hydraulic
Best Practices	Recycled content
Quality Standards	ANSI/BHMA A156.4, Grade 1 certified; UL / cUL listed for use on fire rated doors; UL10C listed for positive pressure fire test; 8301 and 8501 door closers are designed to comply with requirements for the Americans with Disabilities Act (A.D.A) and ANSI standard A117.1
Accessibility Compliance	ADA and ANSI/BHMA A117.1
Accessories	Drop plate required for glazed doors
Cover Finish	689, Aluminum
Opening Degree	Adjustable, from 85° to 110° in 5° increments
Cover Material	Metal
Mounting Type	Surface
Stop Type	Integral
Warranty	10 years
Notes	https://tinyurl.com/26y8yycx

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Yale Locks & Hardware (Assa Abloy)
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

AREAS

Stairs
Back-of-House Laundry
Storage
Elevator Equipment Room
Public Restrooms

ALTERNATE MANUFACTURER 3	Employee Areas Guest Laundry Fitness Center Engineering & Maintenance Food & Beverage Back-of-House Mechanical, Plumbing & Electrical Corridors
ALTERNATE MANUFACTURER 4	

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-006-TM_T17

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Door Stop
Item Type	Wall Mounted Door Stop
Description	Wrought concave wall bumper
Manufacturer	Trimco
Model	1270WV.626
Finish	US26D, gray rubber
Material Composition	Stainless Steel, Rubber
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	1
Best Practices	Recycled content
Fastener	screws, concealed
Warranty	2 Years

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Trimco
Contact Name: Customer Service
Phone: 323.262.4191
Email: csr@TrimcoHardware.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry
Administration
Public Restrooms
Employee Areas
Guest Laundry
Fitness Center
Indoor Pool
Pool Storage
Welcome Desk
Engineering & Maintenance
Food & Beverage Back-of-House
Corridors

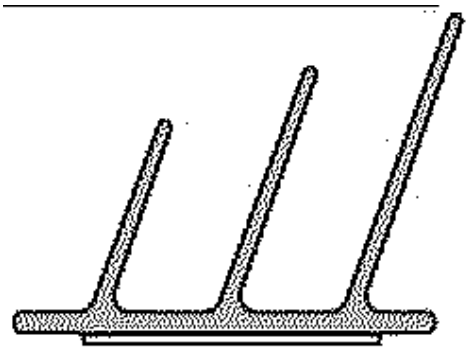
Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-007-PK_T17

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Door seal
Item Type	Fire/smoke gasketing
Description	Fire/smoke gasketing, adhesive-backed
Manufacturer	Assa Abloy/Pemko
Model	S773D
Dimensions	17, 18, 20, 21 and 25 ft. coils
Color	Dark brown (D)
Material Composition	Silicone
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Fire/Smoke Rating	Tested and approved under UL 10C for fire; UL 1784 for smoke
Acoustical Performance	ASTM E90 and BS EN ISO 140-3 for sound control
Best Practices	Low-emitting materials
Quality Standards	BHMA A156.22
Accessibility Compliance	ADA and ANSI A117.1
Lead Time	Standard Lead Time 3-5 Business Days - Verify with Manufacturer.
Warranty	2 Years if installed with 6 months of ship

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Assa Abloy
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

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Pool Equipment
Pool Storage
Corridors

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-016-SA_T17

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Entry Lock (less deadbolt)
Item Type	Entry Lock with RFID Reader
Description	Electronic mortise lockset with 1" (25.4mm) and 5/8" (15.9mm) dead-locking latch bolt (LESS DEADBOLT)
Manufacturer	DormaKaba/Saflok
Model	Saflok Quantum RFID X ADB X BLE X Troy
Color	Satin Nickel
Finish	US15
Material Composition	Plated carbon steel
CSI #	087100 - Door Hardware
Omniclass #	22-087100 - Door Hardware
Grade	ANSI Grade 1
Best Practices	Recycled content of steel
Quality Standards	ANSI/BHMA A256.13-2012 Standard for Mortise Locks and Latches," and "ANSI/BHMA A256.25-2013 Standard for Electrified Locking Devices."
Accessibility Compliance	At a minimum, comply with accessibility regulations and standards of the country where the project is located. If governing accessibility regulations and standards do not exist, comply with the criteria as outlined by the U.S. ADA Standards for persons with disabilities. (www.ada.gov)
Accessories	Four (4) AA batteries
Handle Finish	Satin nickel US26D
RFID Finish	Black
Handle	Troy
Lead Time	Verify with manufacturer at time of purchase.
Warranty	2 Years
Notes	Case hardened full 1 inch (ANSI) Throw. Deadbolt with panic release function - deadbolt and latch are automatically retracted by inside handle for easy egress in case of emergency

SPECIAL INSTRUCTIONS

GC/Designer to determine handing necessary for project and order accordingly.

MANUFACTURER

Vendor Name: Saflok (dormakaba)
Contact Name:
Phone: 800-523-8483
Email: lodgingsupport@dormakaba.com

ALTERNATE MANUFACTURER 2

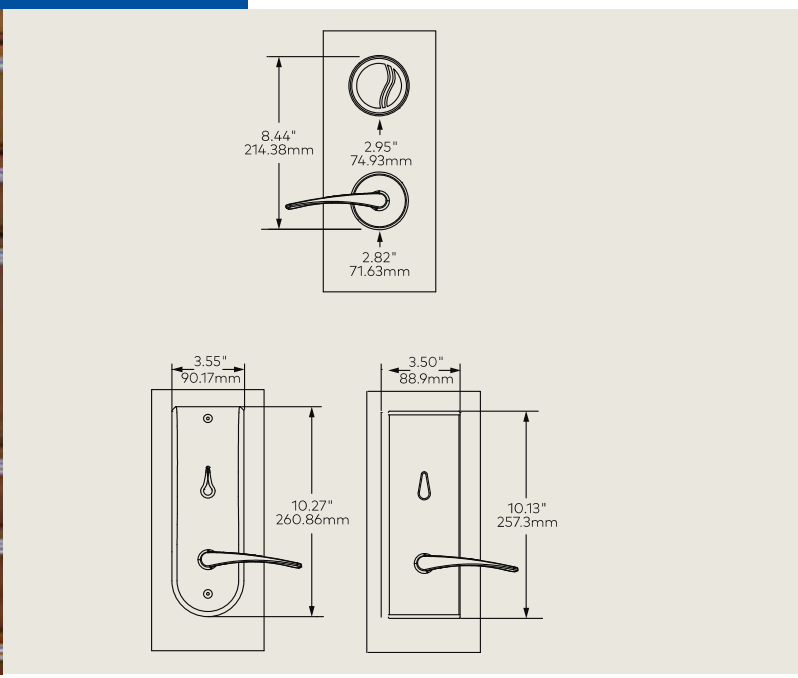
AREAS

Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry

ALTERNATE MANUFACTURER 3	Elevator Equipment Room Guest Laundry Fitness Center Indoor Pool Pool Equipment Pool Storage Welcome Desk Administration Engineering & Maintenance Food & Beverage Back-of-House
ALTERNATE MANUFACTURER 4	

Saflok Quantum™ RFID

dormakaba



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Mobile Access
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Applications
- Suitable for small to very large scale hotels
- Easily replaces existing mechanical or electronic door locks throughout a facility
- Access control for guest rooms, common areas as well as back-of-house

Security Features
- High security and tamperproof design
- 1" solid deadbolt (optional auto deadbolt)
- Staff monitoring - Keycard audits
- Tracking mortise for door ajar reporting

Low Maintenance
- Batteries last up to 2 years
- Low battery indicator alerts staff
- Lock programming and audit records are not erased during battery replacement
- Operates with a completely sealed contactless reader

Access control management software
The Quantum RFID lock is supported by dormakaba's robust access management software solution that features an array of access control workflows for both guest and staff access. Optionally, choose dormakaba's online access management solution for superior control and monitoring.

DH-016-SA_T17

Mechanical Features

Description	Electronic mortise lockset with 1" (25.4mm) throw deadbolt and ⅝" (15.9mm) dead-locking latch bolt
Handing	Factory-handed mortise (left, right, left reverse, right reverse)
Lever	ADA Compliant Apogee Arc Continental Elevon Gala Troy
Deadbolt	1" (25.4mm) throw deadbolt and ⅝" (15.9mm) dead-locking latch bolt
Door Thickness	1¾" (44.5mm) to 2⅛" (53.98mm) for standard product
Weight	Approx. 8.0 lbs with hardware
Housing Construction	Escutcheons: Zinc Levers: Brass, zinc, or stainless steel
Standard Finishes	Bright chrome, bright brass, satin chrome, satin brass, dark mahogany
Inside Trim Options	Optional ädəse or MT inside escutcheon
Standard Backset	2¾" (69.9mm) from door edge to lever
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	Messenger Online: Lock controller board with Messenger capability DAJ mortise (ANSI lock case) Inside escutcheon equipped with Messenger module

Mobile Access Options (Quantum RFID Series)

BLE compatible BLE ready BLE enabled	Standard Lock. Upgradable to BLE by adding BLE connector cable, end cap and BLE module Upgradable to BLE with BLE module End cap with BLE module included, no further upgrades needed

Batteries

Alkaline - Four AA battery pack	Battery life is up to 2 years Low battery indicator: alerts staff that batteries need to be changed soon

Lock Operation

Date/Time Stamp	Real-time; date and hours/minutes
Interrogation	Obtain key usage reports from the lock by using a handheld unit at the door, or increase efficiency by performing a remote Interrogation using Messenger (optional)
Pre-registered Keycards	Keys can be made up to ten days in advance without cancelling current or arriving guests
Keycard Expiration	Configurable expiration dates; can be automatically set for check out date or manually applied when making key during check in process.
Passage Mode	Set by authorized keycard or Messenger system. Can also be configured to perform an automated/pre-defined passage mode time.
Lockout Mode	Set by authorized keycard or Messenger system
Keycards Accepted	Mifare Classic keycards (4 byte NUID)
Feedback	Light indicators in reader
Diagnostics	Light indicators and handheld display
Audit Trail	Up to 4,000 events
Disability Feature	RCU readers interface with automatic power operated doors for special openings
Privacy Override	Emergency keycards

Certifications & Testing

Accessibility Standard	ADA compliant levers (Code of Federal Regulations 28 CFR Part 36 – 1994 "ADA Standards for Accessible Design")
BHMA/ANSI	Certified to be compliant with Grade One performance tests for "ANSI/BHMA A256.13-2012 Standard for Mortise Locks and Latches," and "ANSI/BHMA A256.25-2013 Standard for Electrified Locking Devices." (Only locks tested and approved by non-biased third-party test lab are allowed in the "BHMA Certified Products Directory" found at www.buildershardware.com)
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Electronics	FCC Part 15 Class A and CE directive 89/336/EEC compliant
Environmental Operating Conditions	Indoor side: 32°F to 151°F (0°C to 66°C) Outdoor side: -31°F to 151°F (-35°C to 66°C) 0% to 85% non-condensing humidity at 86°F (30°C)

Warranty

Standard Warranty	Two years
Support Programs	dormakaba Service Plans (Platinum, Gold, Silver)

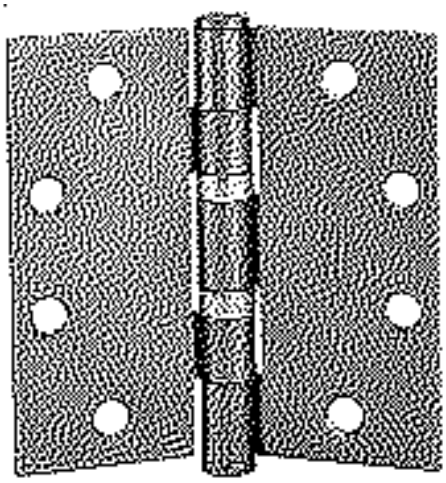
Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-022-MK_T17

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Hinge
Item Type	Hinge
Description	Five knuckle standard weight hinge
Manufacturer	ASSA ABLOY/McKinney
Model	TA2714
Dimensions	4-1/2" x 4-1/2"
Finish	US15, Satin Nickel
CSI #	087100 - Door Hardware
Omniclass #	22 - 087100 - Door Hardware
Quality Standards	ANSI/BHMA A156.1, 156.7
Knuckle	Five Knuckle
Weight	Standard
Lead Time	5-10 business days
Warranty	One year limited warranty



SPECIAL INSTRUCTIONS
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MANUFACTURER

Vendor Name: Assa Abloy
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

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AREAS

Stairs
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Fitness Center
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Food & Beverage Back-of-House

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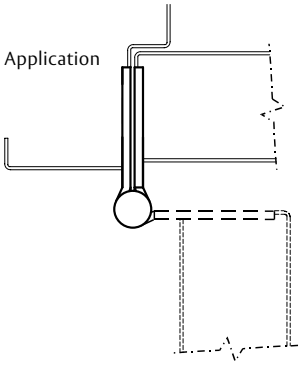
Recommended for standard weight, medium frequency doors, or doors with closing devices.

- Use for common flush door/frame/wall applications
- For Beveled Edge, where doors are beveled on hinge side, specify TA4314 or TA4714
- For available finishes see page 29

TA2314
TA2714

No.	ANSI Cross Reference	Base Material	Weight
TA2314	A5112	Stainless	STD
TA2314	A2112	Brass	STD
TA2714	A8112	Steel	STD



Specifications

Inches	mm	Gauge	No. of Holes	Fasteners	
				Machine	Wood
3 1/2" x 3 1/2"*	88.9 x 88.9	.123	6	1/2 x 10-24	1 x 10
4" x 4"*	101.6 x 101.6	.130	8	1/2 x 12-24	1 1/4 x 12
4 1/2" x 4"	114.3 x 101.6	.134	8	1/2 x 12-24	1 1/4 x 12
4 1/2" x 4 1/2"	114.3 x 114.3	.134	8	1/2 x 12-24	1 1/4 x 12
5" x 4 1/2"*	127 x 114.3	.146	8	1/2 x 12-24	1 1/4 x 12
5" x 5"*	127 x 127	.146	8	1/2 x 12-24	1 1/4 x 12
6" x 6"*	152.4 x 152.4	.160	10	1/2 x 1/4-20	1 1/2 x 14

* Not available in Brass base material.

Options:

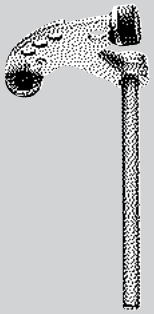
Code	Description
NRP	Non-Removable Pin
TB	Ball Bearing
TCA	Concealed Bearing
RC	Round Corner – 1/4" radius furnished unless specified otherwise
HT	Hospital Tip

Code	Description
BT	Ball Tip
ST	Steeple Tip
SSF	Safety Stud Feature
QC	ElectroLynx® Hinge – 2, 4, 6, 8, 10 or 12 wire available

Code	Description
CC	Concealed Circuit – 2, 4, 6, 8, 10 or 12 wire available
CC-18	Concealed Circuit – 2, 4, 6, 8 or 10 wire available (2-18AWG wires and the remainder 28AWG wires)
MM	Magnetic Monitoring

McKinney Hinge Pin Door Stop

- Recommended for high-use or high impact doors with McKinney T2714 or TA2714 hinges
- Protects against damage to doors and walls
- Runs the full length of the hinge



Part number	Description	Finish
76305	Hinge Pin Stop for MacPro MP79 & MPB79	26D
76306	Hinge Pin Stop for McKinney T2714 & TA2714	26D

ASSA ABLOY

The global leader in door opening solutions

800-346-7707 | www.mckinneyhinge.com

Check the web site for the up-to-date catalog

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T18_Elevator Machine Room

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-003-YA_T18

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Door Closer
Item Type	Surface Door Closer
Description	Architectural Door Closer with cover; parallel arm configuration
Manufacturer	Yale
Model	2701
Dimensions	13-5/8" L x 3-7/8" H x 7-5/8" Arm Extension
Color	689
Finish	Plated
Material Composition	Aluminum alloy
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 Door Hardware
Grade	ANSI Grade 1
Fire/Smoke Rating	UL and cUL listed for 3 hour assemblies
Operation	Manual, hydraulic
Best Practices	Recycled content
Quality Standards	ANSI/BHMA A156.4, Grade 1 certified; UL / cUL listed for use on fire rated doors; UL10C listed for positive pressure fire test; 8301 and 8501 door closers are designed to comply with requirements for the Americans with Disabilities Act (A.D.A) and ANSI standard A117.1
Accessibility Compliance	ADA and ANSI/BHMA A117.1
Accessories	Drop plate required for glazed doors
Cover Finish	689, Aluminum
Opening Degree	Adjustable, from 85° to 110° in 5° increments
Cover Material	Metal
Mounting Type	Surface
Stop Type	Integral
Warranty	10 years
Notes	https://tinyurl.com/26y8yycx

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Yale Locks & Hardware (Assa Abloy)
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

AREAS

Stairs
Back-of-House Laundry
Storage
Elevator Equipment Room
Public Restrooms

ALTERNATE MANUFACTURER 3	Employee Areas Guest Laundry Fitness Center Engineering & Maintenance Food & Beverage Back-of-House Mechanical, Plumbing & Electrical Corridors
ALTERNATE MANUFACTURER 4	

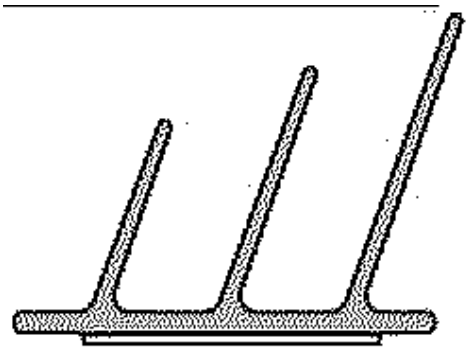
Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-007-PK_T18

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Door seal
Item Type	Fire/smoke gasketing
Description	Fire/smoke gasketing, adhesive-backed
Manufacturer	Assa Abloy/Pemko
Model	S773D
Dimensions	17, 18, 20, 21 and 25 ft. coils
Color	Dark brown (D)
Material Composition	Silicone
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Fire/Smoke Rating	Tested and approved under UL 10C for fire; UL 1784 for smoke
Acoustical Performance	ASTM E90 and BS EN ISO 140-3 for sound control
Best Practices	Low-emitting materials
Quality Standards	BHMA A156.22
Accessibility Compliance	ADA and ANSI A117.1
Lead Time	Standard Lead Time 3-5 Business Days - Verify with Manufacturer.
Warranty	2 Years if installed with 6 months of ship

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Assa Abloy
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Stairs
Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry
Elevator Equipment Room
Administration
Public Restrooms
Employee Areas
Guest Laundry
Fitness Center
Indoor Pool
Pool Equipment
Pool Storage
Corridors

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-016-SA_T18

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Entry Lock (less deadbolt)
Item Type	Entry Lock with RFID Reader
Description	Electronic mortise lockset with 1" (25.4mm) and 5/8" (15.9mm) dead-locking latch bolt (LESS DEADBOLT)
Manufacturer	DormaKaba/Saflok
Model	Saflok Quantum RFID X ADB X BLE X Troy
Color	Satin Nickel
Finish	US15
Material Composition	Plated carbon steel
CSI #	087100 - Door Hardware
Omniclass #	22-087100 - Door Hardware
Grade	ANSI Grade 1
Best Practices	Recycled content of steel
Quality Standards	ANSI/BHMA A256.13-2012 Standard for Mortise Locks and Latches," and "ANSI/BHMA A256.25-2013 Standard for Electrified Locking Devices."
Accessibility Compliance	At a minimum, comply with accessibility regulations and standards of the country where the project is located. If governing accessibility regulations and standards do not exist, comply with the criteria as outlined by the U.S. ADA Standards for persons with disabilities. (www.ada.gov)
Accessories	Four (4) AA batteries
Handle Finish	Satin nickel US26D
RFID Finish	Black
Handle	Troy
Lead Time	Verify with manufacturer at time of purchase.
Warranty	2 Years
Notes	Case hardened full 1 inch (ANSI) Throw. Deadbolt with panic release function - deadbolt and latch are automatically retracted by inside handle for easy egress in case of emergency

SPECIAL INSTRUCTIONS

GC/Designer to determine handing necessary for project and order accordingly.

MANUFACTURER

Vendor Name: Saflok (dormakaba)
Contact Name:
Phone: 800-523-8483
Email: lodgingsupport@dormakaba.com

ALTERNATE MANUFACTURER 2

AREAS

Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry

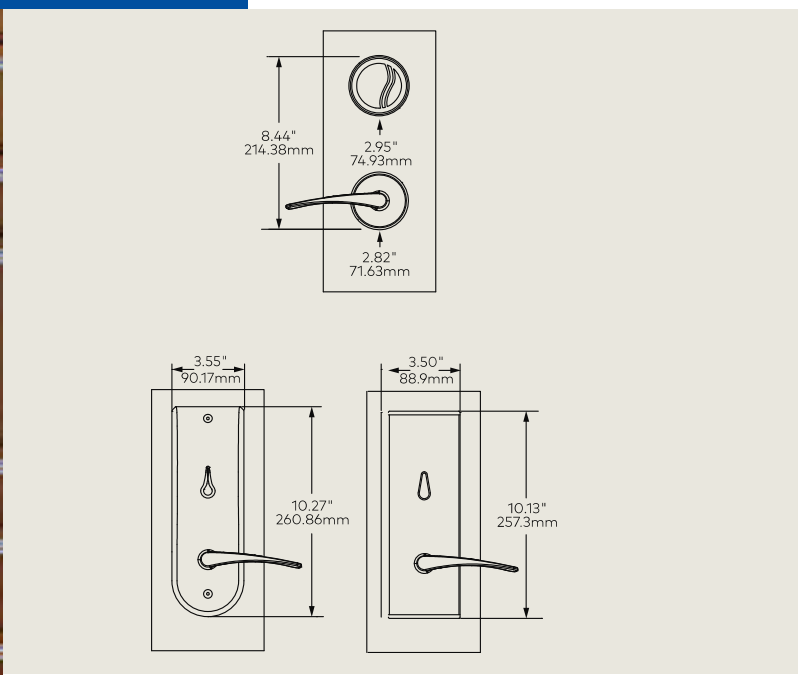
Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

ALTERNATE MANUFACTURER 3	Elevator Equipment Room Guest Laundry Fitness Center Indoor Pool Pool Equipment Pool Storage Welcome Desk Administration Engineering & Maintenance Food & Beverage Back-of-House
ALTERNATE MANUFACTURER 4	

Saflok Quantum™ RFID

dormakaba



Overview
The Saflok Quantum RFID lock offers a unique two-piece modular design with a choice of inside escutcheon look. Synonymous with superior performance, the lock is renowned for access control, life safety and security. The Quantum RFID is easy to use and works with dormakaba Access Management Software.

Mobile Access
The Quantum RFID is Bluetooth Low Energy (BLE) capable and can operate using the dormakaba Mobile Access Solutions.

Applications
- Suitable for small to very large scale hotels
- Easily replaces existing mechanical or electronic door locks throughout a facility
- Access control for guest rooms, common areas as well as back-of-house

Security Features
- High security and tamperproof design
- 1" solid deadbolt (optional auto deadbolt)
- Staff monitoring - Keycard audits
- Tracking mortise for door ajar reporting

Low Maintenance
- Batteries last up to 2 years
- Low battery indicator alerts staff
- Lock programming and audit records are not erased during battery replacement
- Operates with a completely sealed contactless reader

Access control management software
The Quantum RFID lock is supported by dormakaba's robust access management software solution that features an array of access control workflows for both guest and staff access. Optionally, choose dormakaba's online access management solution for superior control and monitoring.

DH-016-SA_T18

Mechanical Features

Description	Electronic mortise lockset with 1" (25.4mm) throw deadbolt and ⅝" (15.9mm) dead-locking latch bolt
Handing	Factory-handed mortise (left, right, left reverse, right reverse)
Lever	ADA Compliant Apogee Arc Continental Elevon Gala Troy
Deadbolt	1" (25.4mm) throw deadbolt and ⅝" (15.9mm) dead-locking latch bolt
Door Thickness	1¾" (44.5mm) to 2⅛" (53.98mm) for standard product
Weight	Approx. 8.0 lbs with hardware
Housing Construction	Escutcheons: Zinc Levers: Brass, zinc, or stainless steel
Standard Finishes	Bright chrome, bright brass, satin chrome, satin brass, dark mahogany
Inside Trim Options	Optional ädəse or MT inside escutcheon
Standard Backset	2¾" (69.9mm) from door edge to lever
Locking Options	ANSI lock case with 1¼" or 1" lock front mortise Options: automatic deadbolt, door ajar European lock case mortise (20 x 165 mm) with 20 x 233 mm lock front mortise
Online Configurations	Messenger Ready: DAJ mortise (ANSI lock case) Standard (stand alone) inside escutcheon
	Messenger Online: Lock controller board with Messenger capability DAJ mortise (ANSI lock case) Inside escutcheon equipped with Messenger module

Mobile Access Options (Quantum RFID Series)

BLE compatible BLE ready BLE enabled	Standard Lock. Upgradable to BLE by adding BLE connector cable, end cap and BLE module Upgradable to BLE with BLE module End cap with BLE module included, no further upgrades needed

Batteries

Alkaline - Four AA battery pack	Battery life is up to 2 years Low battery indicator: alerts staff that batteries need to be changed soon

Lock Operation

Date/Time Stamp	Real-time; date and hours/minutes
Interrogation	Obtain key usage reports from the lock by using a handheld unit at the door, or increase efficiency by performing a remote Interrogation using Messenger (optional)
Pre-registered Keycards	Keys can be made up to ten days in advance without cancelling current or arriving guests
Keycard Expiration	Configurable expiration dates; can be automatically set for check out date or manually applied when making key during check in process.
Passage Mode	Set by authorized keycard or Messenger system. Can also be configured to perform an automated/pre-defined passage mode time.
Lockout Mode	Set by authorized keycard or Messenger system
Keycards Accepted	Mifare Classic keycards (4 byte NUID)
Feedback	Light indicators in reader
Diagnostics	Light indicators and handheld display
Audit Trail	Up to 4,000 events
Disability Feature	RCU readers interface with automatic power operated doors for special openings
Privacy Override	Emergency keycards

Certifications & Testing

Accessibility Standard	ADA compliant levers (Code of Federal Regulations 28 CFR Part 36 – 1994 "ADA Standards for Accessible Design")
BHMA/ANSI	Certified to be compliant with Grade One performance tests for "ANSI/BHMA A256.13-2012 Standard for Mortise Locks and Latches," and "ANSI/BHMA A256.25-2013 Standard for Electrified Locking Devices." (Only locks tested and approved by non-biased third-party test lab are allowed in the "BHMA Certified Products Directory" found at www.buildershardware.com)
Fire Rating	Listed for pre-prepared manufactured doors and certified for retrofitting on existing doors by Underwriters Laboratories for use on fire doors having up to a three-hour rating. a. U.L. Certification: GWVW.R12071 "Accessories for Single-point Locks and Latches and Fire Exit Hardware." Evaluated in accordance with UL 10B and UL 10C. b. U.L. Listing: GYQS.R11247 "Electrically Controlled Single-point Locks and Latches." Evaluated in accordance with UL 10B and UL 10C. c. Also classified in accordance with Uniform Building Code Standard 7-2, "Fire Test of Door Assemblies" (1997)
Electronics	FCC Part 15 Class A and CE directive 89/336/EEC compliant
Environmental Operating Conditions	Indoor side: 32°F to 151°F (0°C to 66°C) Outdoor side: -31°F to 151°F (-35°C to 66°C) 0% to 85% non-condensing humidity at 86°F (30°C)

Warranty

Standard Warranty	Two years
Support Programs	dormakaba Service Plans (Platinum, Gold, Silver)

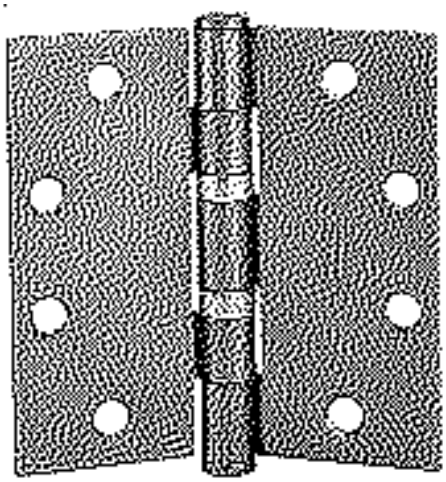
Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-022-MK_T18

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Hinge
Item Type	Hinge
Description	Five knuckle standard weight hinge
Manufacturer	ASSA ABLOY/McKinney
Model	TA2714
Dimensions	4-1/2" x 4-1/2"
Finish	US15, Satin Nickel
CSI #	087100 - Door Hardware
Omniclass #	22 - 087100 - Door Hardware
Quality Standards	ANSI/BHMA A156.1, 156.7
Knuckle	Five Knuckle
Weight	Standard
Lead Time	5-10 business days
Warranty	One year limited warranty



SPECIAL INSTRUCTIONS
Refer to door hardware schedule for hardware locations

MANUFACTURER

Vendor Name: Assa Abloy
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Stairs
Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry
Elevator Equipment Room
Public Restrooms
Employee Areas
Guest Laundry
Fitness Center
Administration
Engineering & Maintenance
Food & Beverage Back-of-House

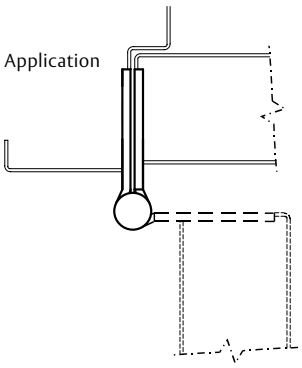
Five Knuckle Standard Weight Series

Recommended for standard weight, medium frequency doors, or doors with closing devices.

- Use for common flush door/frame/wall applications
- For Beveled Edge, where doors are beveled on hinge side, specify TA4314 or TA4714
- For available finishes see page 29

TA2314
TA2714

No.	ANSI Cross Reference	Base Material	Weight
TA2314	A5112	Stainless	STD
TA2314	A2112	Brass	STD
TA2714	A8112	Steel	STD



Specifications

Inches	mm	Gauge	No. of Holes	Fasteners	
				Machine	Wood
3 1/2" x 3 1/2"*	88.9 x 88.9	.123	6	1/2 x 10-24	1 x 10
4" x 4"*	101.6 x 101.6	.130	8	1/2 x 12-24	1 1/4 x 12
4 1/2" x 4"	114.3 x 101.6	.134	8	1/2 x 12-24	1 1/4 x 12
4 1/2" x 4 1/2"	114.3 x 114.3	.134	8	1/2 x 12-24	1 1/4 x 12
5" x 4 1/2"*	127 x 114.3	.146	8	1/2 x 12-24	1 1/4 x 12
5" x 5"*	127 x 127	.146	8	1/2 x 12-24	1 1/4 x 12
6" x 6"*	152.4 x 152.4	.160	10	1/2 x 1/4-20	1 1/2 x 14

* Not available in Brass base material.

Options:

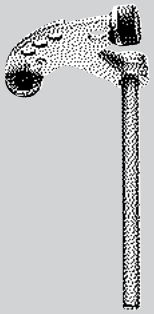
Code	Description
NRP	Non-Removable Pin
TB	Ball Bearing
TCA	Concealed Bearing
RC	Round Corner – 1/4" radius furnished unless specified otherwise
HT	Hospital Tip

Code	Description
BT	Ball Tip
ST	Steeple Tip
SSF	Safety Stud Feature
QC	ElectroLynx® Hinge – 2, 4, 6, 8, 10 or 12 wire available

Code	Description
CC	Concealed Circuit – 2, 4, 6, 8, 10 or 12 wire available
CC-18	Concealed Circuit – 2, 4, 6, 8 or 10 wire available (2-18AWG wires and the remainder 28AWG wires)
MM	Magnetic Monitoring

McKinney Hinge Pin Door Stop

- Recommended for high-use or high impact doors with McKinney T2714 or TA2714 hinges
- Protects against damage to doors and walls
- Runs the full length of the hinge



Part number	Description	Finish
76305	Hinge Pin Stop for MacPro MP79 & MPB79	26D
76306	Hinge Pin Stop for McKinney T2714 & TA2714	26D

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The global leader in door opening solutions

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Check the web site for the up-to-date catalog

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Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-042-TM_T18

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Door Stop
Item Type	Floor Stop
Description	Cast brass floor stop
Manufacturer	Trimco
Model	1231
Dimensions	2" high
Color	Satin Nickel
Finish	US15/619
Material Composition	Solid cast brass
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	1
Best Practices	Recycled content
Quality Standards	ANSI/BHMA A156.16 Auxiliary Hardware
Accessibility Compliance	ADA and ANSI A117.1
Fastener	Screws
Warranty	Lifetime

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Trimco
Contact Name: Customer Service
Phone: 323.262.4191
Email: csr@TrimcoHardware.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Stairs
Elevator Equipment Room

DH-042-TM_T18

Trimco 1231/1233

Available Finishes:

Special Options Available

Trimco's 1231 and 1233 Series floor stops are expertly cast from bronze or brass for long lasting durability. Available in many architectural finishes, these stops are a great choice for protecting doors and walls in just about any environment.

PRODUCT FEATURES

- Cast from bronze or brass for long lasting durability.
- Two heights - 2" & 2-7/8".
- Available in all architectural finishes.

FUNCTIONS/OPTIONS

- 1231 - Floor Stop, 2" High
- 1233 - Floor Stop, 2-7/8" High

RESOURCES

- Templates
- Warranty

APPLICATIONS

- Commercial & Industrial Buildings
- Government & Military Facilities
- Retail & Strip Malls
- Hospitality
- Office Buildings

STANDARDS

This product meets the following standards.

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

PRODUCTS

Architectural Products

Identity Hardware

Healthy Hardware

Lockdown Hardware

Hands-Free Solutions

Push/Pull Plates, Grips & Bars

Door, Wall & Frame Protection

- Stops & Holders
- Silencers
- Kick & Armor Plates
- Coordinators
- Specialty Plates
- Latch, Panic, Edge & Frame Guards
- Door Caps

Fantom Doorstops

Latching & Locking

Accessories & Other Products

Designer Collections

Custom

Part Number Index

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T20_Lending Closet

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-006-TM_T20

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Door Stop
Item Type	Wall Mounted Door Stop
Description	Wrought concave wall bumper
Manufacturer	Trimco
Model	1270WV.626
Finish	US26D, gray rubber
Material Composition	Stainless Steel, Rubber
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	1
Best Practices	Recycled content
Fastener	screws, concealed
Warranty	2 Years

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Trimco
Contact Name: Customer Service
Phone: 323.262.4191
Email: csr@TrimcoHardware.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry
Administration
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Employee Areas
Guest Laundry
Fitness Center
Indoor Pool
Pool Storage
Welcome Desk
Engineering & Maintenance
Food & Beverage Back-of-House
Corridors

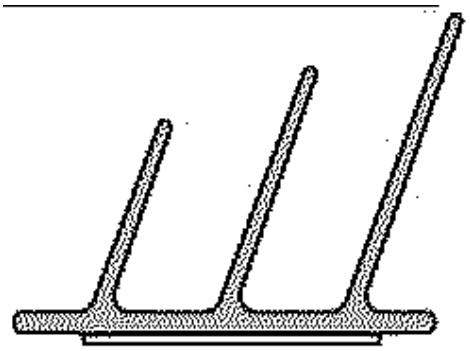
Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-007-PK_T20

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Door seal
Item Type	Fire/smoke gasketing
Description	Fire/smoke gasketing, adhesive-backed
Manufacturer	Assa Abloy/Pemko
Model	S773D
Dimensions	17, 18, 20, 21 and 25 ft. coils
Color	Dark brown (D)
Material Composition	Silicone
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Fire/Smoke Rating	Tested and approved under UL 10C for fire; UL 1784 for smoke
Acoustical Performance	ASTM E90 and BS EN ISO 140-3 for sound control
Best Practices	Low-emitting materials
Quality Standards	BHMA A156.22
Accessibility Compliance	ADA and ANSI A117.1
Lead Time	Standard Lead Time 3-5 Business Days - Verify with Manufacturer.
Warranty	2 Years if installed with 6 months of ship

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Assa Abloy
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Stairs
Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry
Elevator Equipment Room
Administration
Public Restrooms
Employee Areas
Guest Laundry
Fitness Center
Indoor Pool
Pool Equipment
Pool Storage
Corridors

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-046-SA_T20

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Lock
Item Type	Mortise lock
Description	Mortise lock with trim
Manufacturer	Sargent
Model	8204 LNP
Dimensions	2-3/4" backset
Finish	US15
Material Composition	Brass and stainless steel
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	ANSI/BHMA Grade 1
Fire/Smoke Rating	Up to 3 hours
Operation	Manual
Best Practices	Recycled content
Quality Standards	ANSI/BHMA A 156.13 "Mortise Locks & Latches"
Accessibility Compliance	ADA and ANSI A117.1
Warranty	10 years

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Sargent Manufacturing
Contact Name:
Phone: 800-727-5477
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Administration
Storage

DH-046-SA_T20

Product Catalog

SARGENT
ASSA ABLOY

7800/8200 Series
Mortise Locks

Experience a safer
and more open world

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8200/R8200/7800 Series Mortise Locks

SARGENT
ASSA ABLOY

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MicroShield®

ASSA ABLOY Group companies offer MicroShield®, an anti-microbial
coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a registered trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

agion®
Nature's antimicrobial

The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA

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Certifications

8200/R8200/7800 Series Mortise Locks

SARGENT ASSA ABLOY

Certification Compliance

ANSI/BHMA	Certified to ANSI/BHMA A156.13 Series 1000 Operational Grade 1 and Security Grade 1 with all standard trims. ANSI/ASTM F476-84 Grade 40 with concealed mortise cylinder. **Note:** LFIC (Removable) Cylinders and SFIC Cylinders do not meet Security Grade 1 requirements.
ADA	Meets A117.1 Accessibility Code. Meets BOMA International 4.13.8 Complies with American Disability Act; Consult local authorities
UL-cUL	UL and cUL Listed to US and Canadian safety standards for A label 4 x 10 single and 8 x 10 double (3 hour fire door) and lesser class doors, stamped letter F and UL symbol on armored front indicate listing
Positive Pressure	Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies
California	California State Reference Code (Formerly Title 19, California State Fire Marshal Standard) All levers with returns comply; levers return to within 1/2" (13mm) of door face
Tornado and Hurricane Codes	See below

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Windstorm Certifications: Florida Building Codes & UL Listings

SARGENT Manufacturing's products meet building codes that require hurricane, windstorm and FEMA certifications, including some of the most stringent building codes as specified in the Florida Building Code, Miami Dade Code and the International Building Code. Listed below are certifications and standards met by the 7800/8200 lock.

Florida Building Code: FL2998

UL Certification Directory: ZHEM.R21744 – Latching Hardware

ANSI/SDI-BHMA A250.13	"Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies"
ANSI/ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
(TAS) 201	"Impact Test Procedures"*
(TAS) 202	"Criteria for Testing Impact and Non-Impact Resistant Building Envelope Components Using Uniform Static Air Pressure"
(TAS) 203	"Criteria for Testing Products Subject to Cyclic Wind Pressure Loading"*

* Published in the "Florida Building Code"

UL Certification Directory: ZHLL.R21744 – Products for Use in Windstorm-rated Assemblies

Certifications to meet assembly requirements are done in conjunction with doors from ASSA ABLOY Group companies CECO DOOR and CURRIES.

ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
AAMA/WDMA/CSA 101/I.S.2/A440	"Standard/Specification for Windows, Doors, and Unit Skylights"

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Features

8200/R8200/7800 Series Mortise Locks

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The patented SARGENT Mortise Locks are designed and constructed with high quality components to provide maximum security, performance and durability. These locks represent over a century of innovation and experience in manufacturing hardware and are the industry's benchmark for mortise locks: strong, durable, flexible, innovative and secure.

Specifications

- For Doors 1-3/4" (44mm) thick standard
- Backset 2-3/4" (70mm) only
- Outside Front Plate Brass, bronze or stainless steel. 8" (203mm) x 1-1/4" (31mm), ANSI/BHMA Standard A156.115
- Front adjustable at any angle from flat to beveled 1/8" (3mm) in 2" (51mm)
- Hubs for Knobs/Levers
  - 7800: sintered iron copper infiltrated
  - 8200: cold forged steel
  - R8200: investment cast steel
- Auxiliary Deadlatch is stainless steel and non-handed
- Specify hand on order; easily field reversible (if no hand is specified RH will be provided)
- Strike: Brass, bronze or stainless steel; ANSI Standard; curved lip, non-handed (strike box optional)
- Keys: Two, nickel silver (control key or emergency key must be ordered when required)
- Cylinder: Brass, size #41 (1-1/8") standard (except for Freewheeling, size #46 (1-3/4"))
- Can be masterkeyed or grand masterkeyed. Construction keying available. LA standard keyway
- Stile: 4-1/2" (114mm) minimum stile for 7800/8200/R8200, 4-3/4" (121mm) minimum stile for electrical function locks
- Door Prep: ANSI/BHMA A156.115 or A156.115W modified per template (see template)
- Warranty: 10 year limited warranty, 2 year limited warranty on electrified locks. Warranty limited to replacement of lockbody and/or components

Maximum Strength & Durability

- Certified to and exceeds ANSI/BHMA A156.13, Series 1000, Operational Grade 1 and Security Grade 1 with all standard trims
- Exceeds cycle testing requirements by 14 times the ANSI/BHMA A156.13 Grade 1 standard
- Case: 12 gauge heavy duty wrought steel, zinc dichromate plated. Thickness 7/64" (3mm) (.109")
- 1/8" (.125") cold-rolled steel inside front holds lock securely in door
- Heavy duty wrought steel hubs and high carbon steel spring cartridge provide superior strength and cycle life for 8200 locks
- Latchbolt is stainless steel with 3/4" (19mm) projection one-piece, anti-friction reversible latch
- Deadbolt is one-piece hardened stainless steel with 1" (25mm) projection
- Optional 8200 stainless steel hubs for Institutional setting (specify 3- option)
- Patent pending and/or patent www.assaabloydss.com/patents

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Features

8200/R8200/7800 Series Mortise Locks

SARGENT
ASSA ABLOY

Maximum Flexibility

- Fast and easy installation. Lock is easily re-handed without removing parts or opening the lock case
- Aesthetic design. Many escutcheon and lever styles available to match a wide range of styles
- Many standard architectural grade finishes, including Polished Nickel (US14) & Satin Nickel (US15) finishes
- 53 functions including 4 electrical functions. The most in the industry for a broad range of applications
- Versatile. Offered for door thicknesses ranging from 1-3/8" (35mm) to 6" (152mm)
- Available with vandalism deterrent trim and/or secure fastener options Torx® and spanner screws for high abuse conditions
- Available with push/pull trim, perfect for hospital applications
- Status indicator options provide peace of mind on the locked/unlocked status of a door

Innovation

- First in the industry to offer a multi-functional lockbody that embodies 8 functions in 1 lockbody
- Easy operation. Only 30° of lever rotation required to retract latchbolt
- Lever springs contained inside of the lock case for easier installation
- SARGENT's revolutionary MicroShield® available. This antimicrobial silver-based finish coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. EPA and NSF approved and FDA listed
- Broad offering of electro-mechanical configurations offer higher security for the most demanding access/egress control applications featuring ElectroLynx® quick connectors

Security

- Multiple security trim options available: free-wheeling, security escutcheon and anti-vandal pull trim (patent pending)
- Security key systems available (Degree, Signature, Keso, Keso F1, & XC)

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Features

8200/R8200/7800 Series Mortise Locks

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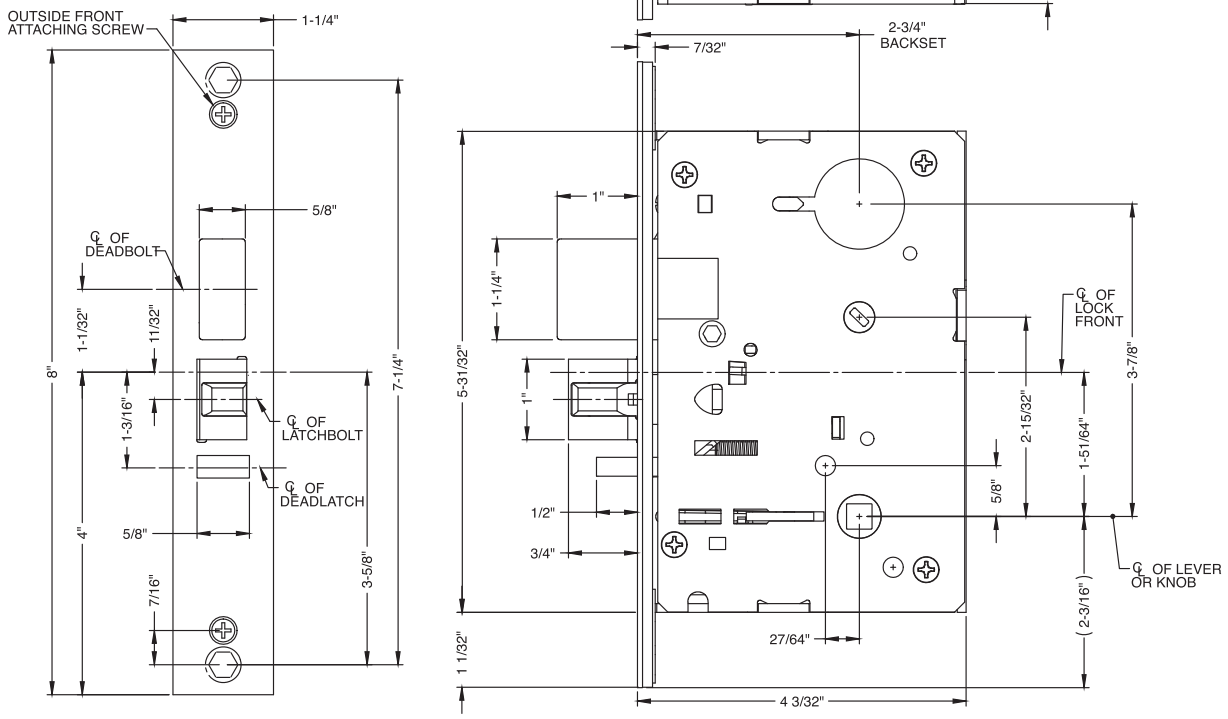
8200 & 7800 Lockbody Dimensions

(R8200 Lockbody not shown)



Note: R8200 and 8200 lockbodies are dimensionally the same except for the through-bolt locations

Explanation of the 8200/7800 Lockbody types:

Lockbody Type[1]	Trim Available x Lockbody type	Standard 8200 Door Prep	Through Bolted Trim	Multi-function lockbody available	How to order lockbody only
8200	Lever x Rose/Escutcheon	Yes	Yes	Yes	82 x Function x Finish[3]
7800	Knob x Rose/Escutcheon	Yes	Yes	Yes	78 x Function x Finish[3]
R8200	Simpli™ roseless trim	No	Yes[2]	Yes	R82 x Function x Finish[3]
8200 for ALP	ALP Push/Pull Trim	Yes	Yes	Yes	Six Digit Part # determined by function*
7800 PT	PT Push/Pull Trim	Yes	Yes	Yes	Six Digit Part # determined by function*

[1] Lockbodies can only be used with the specified trim
[2] Through Bolt locations are different from standard trim, special door prep required
[3] **Note:** Cylinder and trim not included. Outside front, strike and screw pack are included
* See Price book; **Note:** Outside Fronts, Strikes, Cylinders and Trim are NOT included

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Simplí™ Roseless Trim & R8200 Series Mortise Locks

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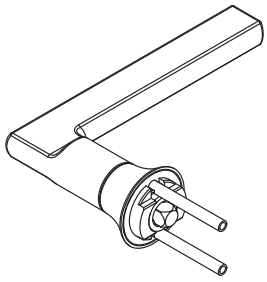
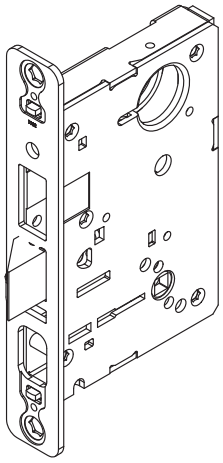
Information

This elegant trim by SARGENT seamlessly unifies the lever and the door. Compatible with most Studio Collection and Coastal Series decorative levers, Simplí creates a flawless aesthetic vision on any door opening.

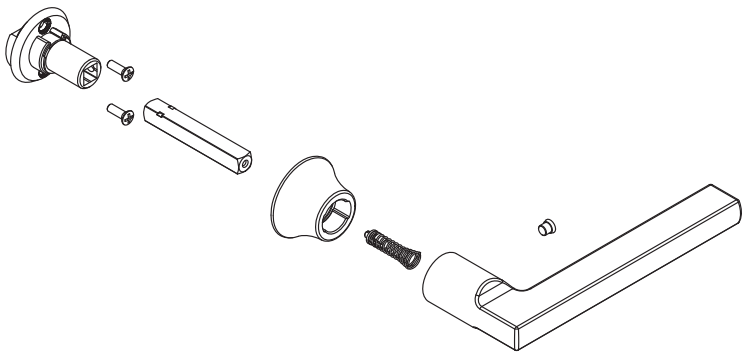
Simpli is offered on the R8200 Series mortise lock, which was specially designed to accept the roseless trim. In addition to the R8200 Series, Simpli is also available with the RDL Series tubular locks and Harmony R8200 Series mortise locks.

- Certified to and exceeds ANSI/BHMA A156.13, Series 1000, Operational Grade 1 and Security Grade 1
- Offered with most 8200 functions
- Available with Coastal Series and many Studio Collection levers (except MC, MK, MN, MP, MT, Gramercy Series, Wooster Square and Grant Park)
- Selected levers return within ½" of the door face
- Simpli roseless trim is not compatible with the 8200 lockbody; can only be used with R8200 locks
- All standard cylinder options are available
- Patent pending and/or patent www.assaabloydss.com/patents

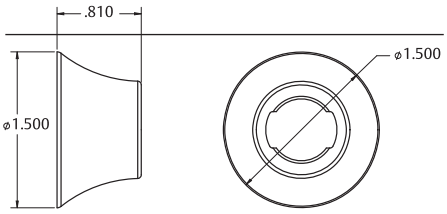




Exploded view of the Simpli™ roseless trim and R8200 lockbody



Simpli™ Collar



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Studio Collection Levers

8200/R8200 Series Mortise Locks

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Studio Collection trim is available in a broad array of designs and finishes. It allows for uniformity throughout a facility using the 8200, R8200 and 7900 Series Mortise Locks, Access Control Products, 80 Series Exit Devices, DL and RDL Series Tubular Locks.

All levers meet ADA compliance for national codes. Visit the online Decorative Hardware Product Selector at selector.sargentlock.com to mix and match styles and finishes.

Centro Series

MC[2,3]

MD

MJ

MP[2,3]

ND[1]

NJ[1]

Notting Hill Series

(Handed Levers)

MA[3]

MQ[3]

MT[2,3]

MM[3]

MY[1,3]

Rialto Series

(MZ Lever is Handed)

MO[3]

MZ[1,3]

Aventura Series

MB

ME

MF

NF[1]

MG

MI

MW[1]

[1] Lever returns within 1/2" (13mm) of door face
[2] Levers are not available with Simpli™ Roseless trim
[3] Not available in 32D or 32 finish

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Studio Collection Levers

8200/R8200 Series Mortise Locks

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Odéon Series
(Handed Levers)

MN[2,5]

MH[5]

MK[2,5]

MS[5]

MU[5]

MV[5]

MX[1,5]

NS[1,5]

NU[1,5]

Gramercy Series[2/3]

RCM

RAL

REM

RAM

RAS

RAG

RGM

Wooster Square[2/4]

H001

H002[1]

H003

H004

H005[1]

H006[1]

Grant Park[2]
(H008 Lever is Handed)

H007

H008

H009

H010

H011

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[1] Lever returns within 1/2" (13mm) of door face
[2] Levers are not available with Simpli™ Roseless trim
[3] Gramercy levers are customized. See page 50 for ordering information
[4] H003-H006 - Contain white or black polycarbonate inserts. Not available with MicroShield® antimicrobial coating.
[5] Not available in 32D or 32 finish

Studio Collection Trim

8200 Series Mortise Locks

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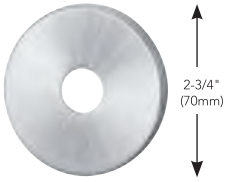
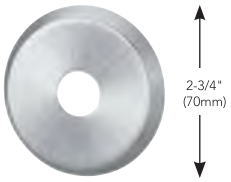
Roses
(8200 Series)

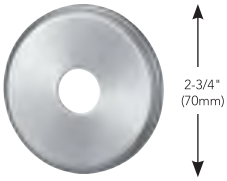
O Rose



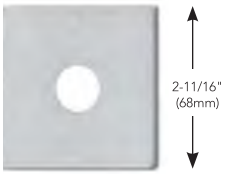
CO Rose



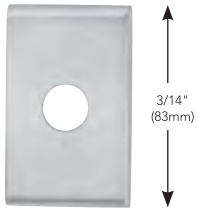
TO Rose



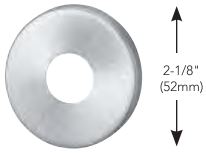
E2 Rose[1]



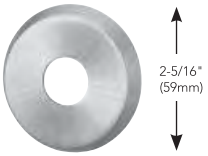
E4 Rose[1]



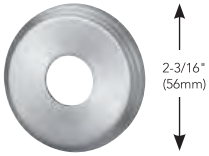
LN Rose



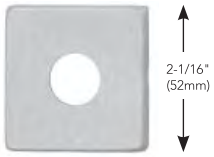
CR Rose



TR Rose

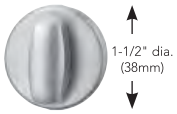


E3 Rose[1]

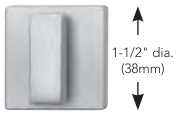


Thumbturns
(8200 & R8200 Series)
Thumbturn backplate will match rose design chosen.

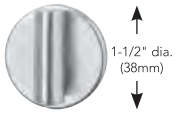
T1 Turn



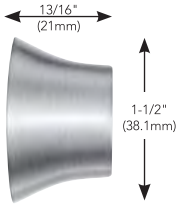
T2 Turn



T3 Turn

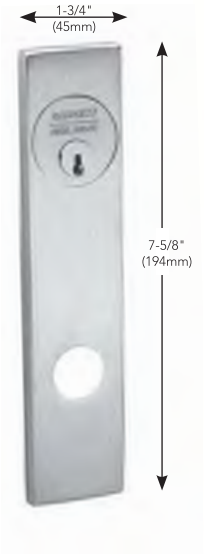


Simplí™ Roseless Collar
(R8200 Series)

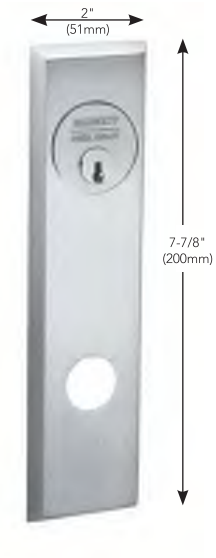


Escutcheons
(8200 Series)

LE1 Escutcheon



CE Escutcheon



TE Escutcheon

[1] 1KA square cylinder collar and 130KA square backplate automatically supplied with E2, E3 and E4 roses.

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Coastal Series™ Levers, Roses & Escutcheons

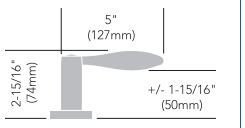
8200/R8200/7800 Series Mortise Locks

SARGENT
ASSA ABLOY

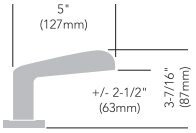
Coastal Series
(8200 & R8200 Series)

Features
- All levers meet ADA compliance for national codes
- Not available with CO and TO roses
- Levers are solid cast brass
- Finishes available – 3, 4, 9, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D, BSP, WSP
- All lever height (+/- 1/16") measurements represent total distance from door face

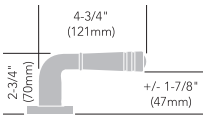
G - Gulfport™ (Handed)



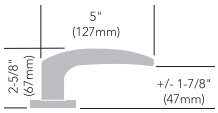
S - Sanibel™ (Handed)



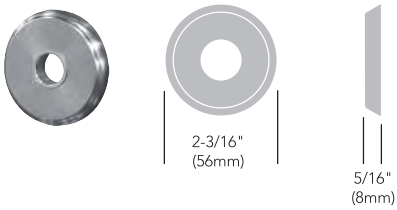
R - Rockport™



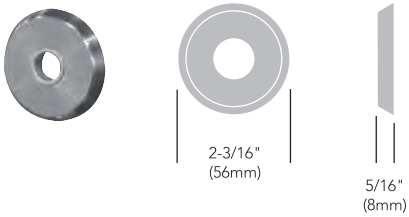
Y - Yarmouth™ (Handed)



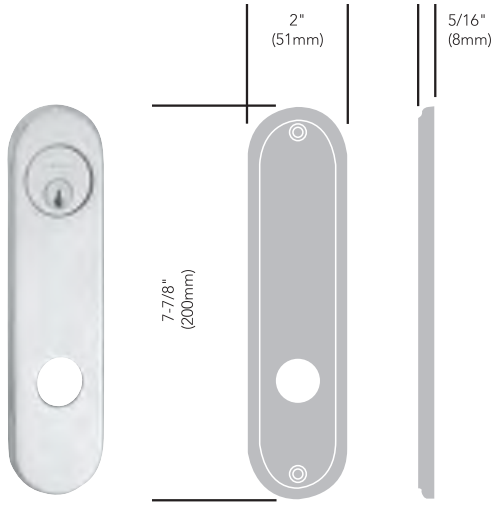
TR Traditional Rose
- Dual radii edge



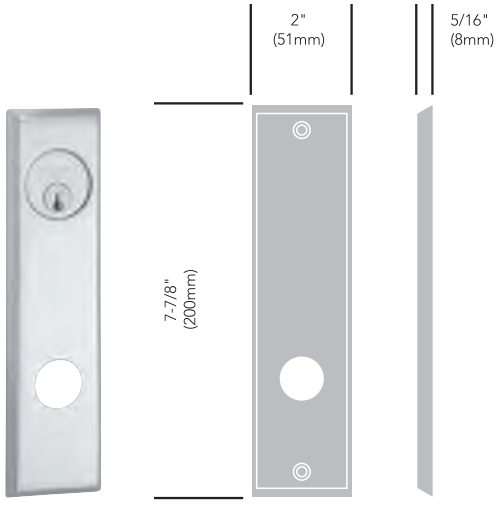
CR Contemporary Rose
- Beveled edge



TE Traditional Escutcheon
- Dual radii edge



CE Contemporary Escutcheon
- Beveled edge



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Standard Levers

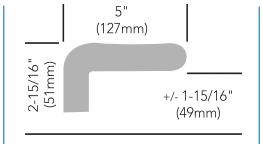
8200 Series Mortise Locks

SARGENT
ASSA ABLOY

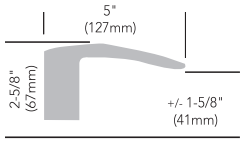
Standard Levers
(8200 Series Only)

Features
- All levers meet ADA compliance for national codes
- Solid forged or cast
- Lever designs J, L and P have lever returns within 1/2" (13mm) or less of door face and meet California State Reference Fire Code
- All lever height (+/- 1/16") measurements represent total distance from door face

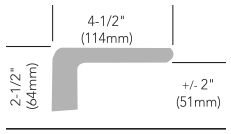
A (Handed)



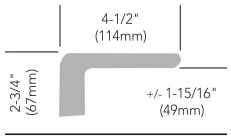
B



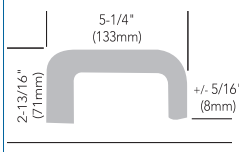
E



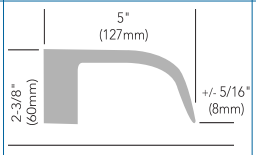
F



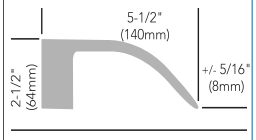
J



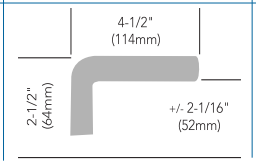
L



P



W



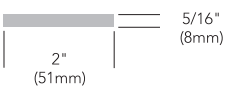
Standard Roses

L Rose

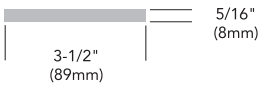
O Rose

E Rose

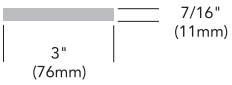
LN Rose



SL Rose



BH Rose



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Escutcheon Designs

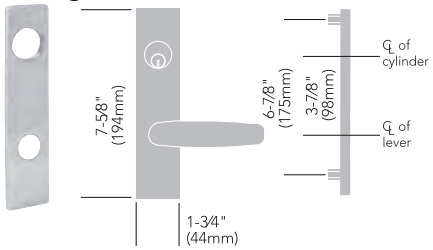
8200/R8200/7800 Series Mortise Locks

SARGENT ASSA ABLOY

Cylinders will protrude from escutcheon face on double cylinder functions only.

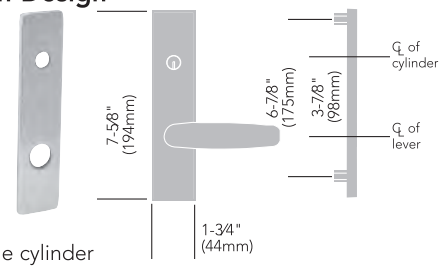
LE1/LE2 Escutcheon Design

- Escutcheon: LE-Cast
- LE1- (2) Exposed screws inside
- LE2- (2) Concealed screws inside
- LE1 is available with standard, Coastal & Studio Levers
- LE2 is available with standard levers only



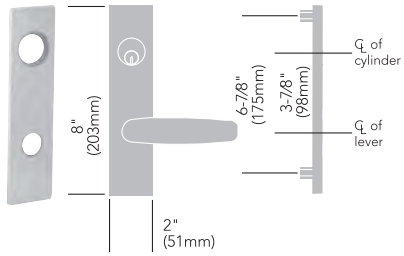
LE3/LE4 Escutcheon Design

- Concealed Cylinder designed Escutcheon, Exposed Barrel Only
- Escutcheon: LE-Cast
- LE3- (2) Exposed screws inside
- LE4- (2) Concealed screws inside
- Not available on double cylinder functions
- Only available with #41 size cylinders
  - limited keyway and key system offerings – see cylinders section
- If cylinder is ordered separately: specify 78- for concealed cylinder
- LE3 & LE4 are available with standard levers only
- UL437 not available
- Not available with DG2 & DG3 cylinders



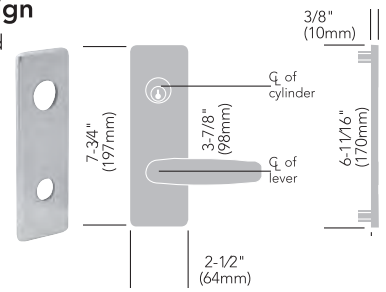
LW1 Escutcheon Design

- Escutcheon: LW1- Wrought
- (2) Exposed screws inside
- LW1 is available with standard levers only



LS Escutcheon Design

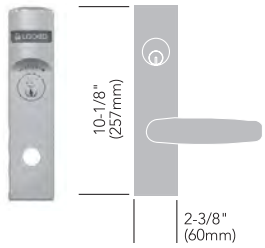
- Escutcheon: LS-Forged
- Security Trim: Cylinder is protected by the Escutcheon
- (4) Spanner security screws are exposed on inside trim standard
- LS is available with standard levers only



Note: The LS Escutcheon is not available with cylinder options: 10-63-, 11-60-, 11-63-, 11-64-, 60-, 63-, 64-, 70-, 72-, 73-, 65-73-, 65-73-7P-, 73-7P-, 81-, 82-, 83-, 84-, F1-82-, F1-82- & F1-83-. Also not available with electrified functions: 70, 71, 72, 73

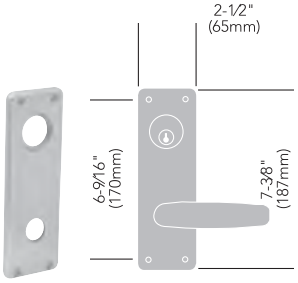
VN1 Escutcheon Design

- Escutcheon: Forged
- Thrubolt mounting screws (2)
- Exposed screws inside
- Used only with indicator options
- Available with all lever styles
- Refer to page 34



WT Escutcheon Design

- Escutcheon: WT-Heavy wrought
- Surface mounted both inside and outside
- (4) Exposed screws both inside and outside
- WT is available with standard levers only



SARGuide™ 8200 Mortise Lock (TL- Option)

- Escutcheon: TL-WT Heavy wrought
- Surface mounted both inside and outside
- (4) Exposed screws both inside and outside
- SARGuide opening 2" x 3/4"
- TL-WT is available with standard levers only

Note: SARGuide is only available with TL- WT Escutcheon.

SARGuide™, with integrated electroluminescent "EXIT" signage, addresses the increasing concern about safe public egress, particularly in low-visibility conditions. SARGuide™ can be wired for continuous operation or for operation only when an emergency alarm is activated.

Mortise Features

- Lamp can be used on internal trim (for external trim, consult factory)
- Includes all features of the 8200 Mortise Lock
- Available with WT escutcheon design only and all standard lever designs. Must specify TL- Option when ordering

SARGuide™ Features

- Illuminated utilizing the patented FLATLITE® electroluminescent lamp embedded within the mortise lock escutcheon
- Dual voltage: 24VAC or VDC input with battery back-up
- Lamp replacement kit available

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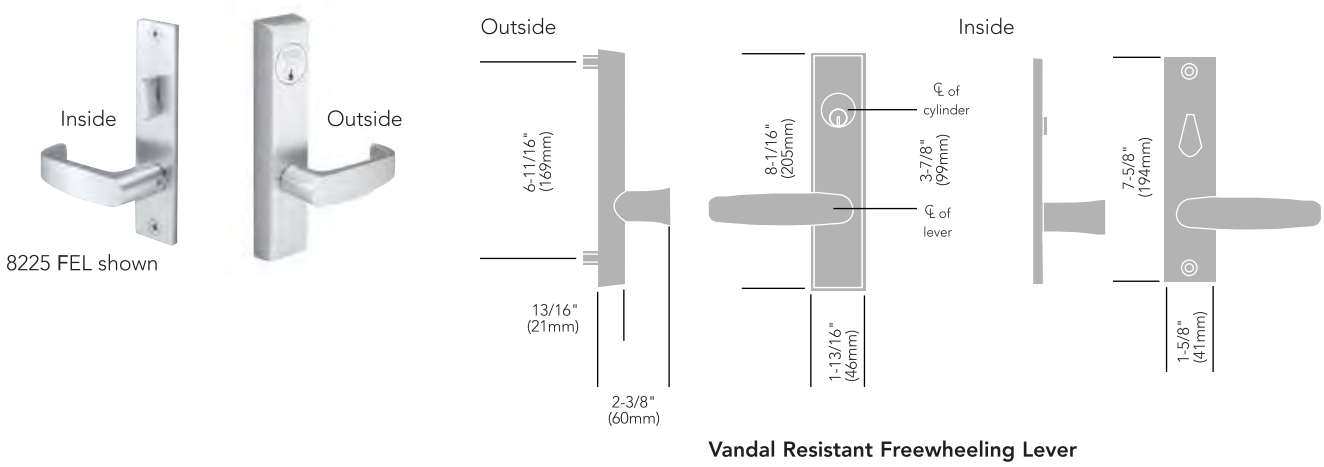
Freewheeling (FE) Trim Design

8200 Series Mortise Locks



Vandal Resistant Freewheeling Lever

Note: Maximum projection varies by lever design. Largest projection is "A" lever – 3-9/16" (90mm)

Features

The Freewheeling Mortise Trim is designed for areas that are susceptible to vandalism including schools, universities, public buildings, back doors of businesses and any exterior doors where excessive or abusive force might be applied to the lever handle trim.

This design allows the outside lever handle to swing freely, down to 70°, in the "locked" mode. This eliminates resetting the trim after vandalism attempts because the lever automatically returns to its original position.

- For 1-3/4" (44mm) doors standard. For 2" (51mm) and 2-1/4" (57mm) thick doors, must specify door thickness on order
- Vandal resistant trim
- Meets or exceeds ANSI/BHMA A156.13 Series 1000 Operational Grade 1 and Security Grade 1. LFIC (Removable) and SFIC cylinders do not meet Security Grade 1
- Forged brass outside escutcheon trim provides added protection against vandalism (32 and 32D finishes not available)
- Stainless steel lever bushing protects against wear
- Stainless steel lugs and through-bolted trim design for proper alignment and increased security
- Functions available — 04, 05, 16, 17, 24, 25, 26, 31, 35, 36, 37, 38, 39, 40, 51, 65, 66
- Levers A, B, E, F, J, L, P, W available
- Lever designs J, L and P have lever returns within 1/2" (13mm)
- Cylinder will protrude from escutcheon face on double cylinder functions only
- Cylinder sizes #46 (1-3/4") outside, #41 (1-1/8") inside standard on 1-3/4" (44mm) doors
- Specify hand. Easily field rehanded
- Patent pending and/or patent www.assaabloydss.com/patents
- Options available: 3-, 10-, 11-, 11-60-*, 11-63-*, 11-64-*, 11-70-7P-*, 11-72-7P-*, 11-73-7P-*, 11-65-73-7P-*, 21-, 23-, 36-, 37-, 60-*, 63-*, 64-*, 70-*, 72-*, 73-*, 65-73-*, 65-73-7P-*, 73-7P-*, 74-, 75-, 76-, 77-, 82-, SG- & WBS-

* Can not be used as the inside cylinder with freewheeling trim (#41 cylinder required)

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7800 Knob & Rose Designs

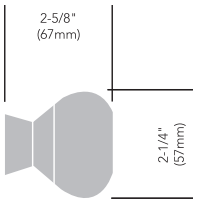
7800 Series Mortise Locks

SARGENT
ASSA ABLOY

- Knob designs only are available with standard roses (E, L, LN, & O) and escutcheons (KE1/KE2, KE3/KE4, KW1, & WT).
- Available with VN1 escutcheon for V series indicator options only. See page 16.

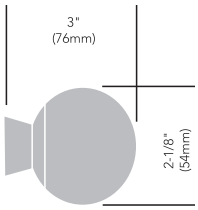
C Knob Design

- Knob: C-Wrought



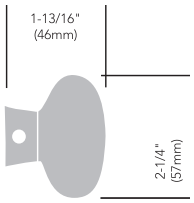
B Knob Design

- Knob: B-Wrought



K Knob Design

- Knob: K-Cast
  (prior designation 1485)
  Only with KS escutcheon



BH Rose

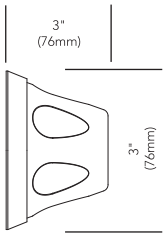
- Available with D Knob only
  Must be ordered as BHD Trim

SL Rose

- For Detention Knob x lever or knob, please consult factory

D Knob

- Machined from Stainless Steel
- Only available with BH or SL Rose
- Finish: 32D
- Options not available: 75, 76, 77, 85, 86 & 87



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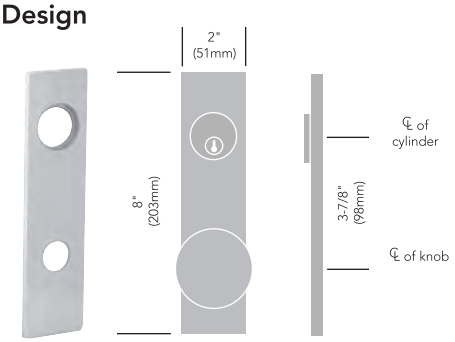
7800 Series Escutcheon Designs

7800 Series Mortise Locks

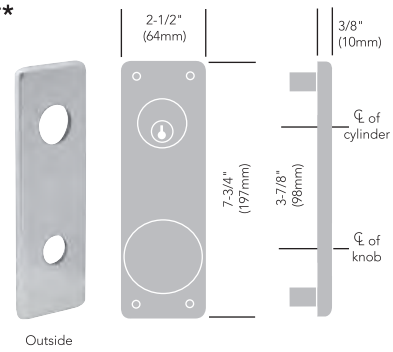
KW1 Escutcheon Design

- Escutcheon: KW1-Wrought
- (2) Exposed screws inside
- Available with B & C knobs only



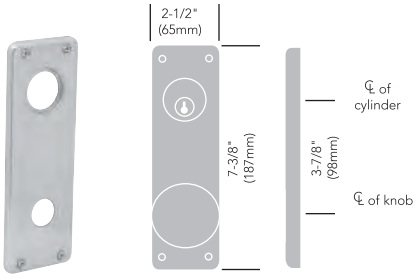
KS Escutcheon Design**

- Security Trim: cylinder is protected by escutcheon
- Escutcheon: KS-Forged
- (4) Spanner screws are exposed on inside trim
- All functions will have escutcheons both sides
- Available with K knob only



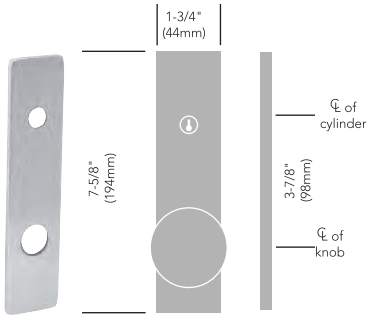
WT Escutcheon Design

- Escutcheon: WT-Heavy wrought
- Surface mounted
- (4) Exposed screws inside and outside
- Available with B & C knobs only



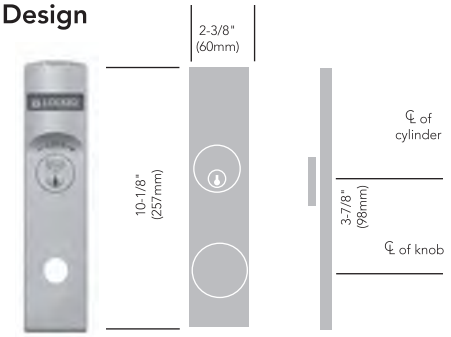
KE3/KE4 Escutcheon Design

- Concealed Cylinder designed Escutcheon, Exposed Barrel Only
- Escutcheon: KE3-Cast
- KE3- (2) Exposed screws inside
- KE4- (2) Concealed screws inside
- Not available on double cylinder functions
- Only available with #41 size cylinders – limited keyway and key system offerings — see cylinders section
- If cylinder is ordered separately: specify 78- for concealed cylinder
- Available with B & C knobs only
- UL437 not available
- Not available with DG2 & DG3 cylinders



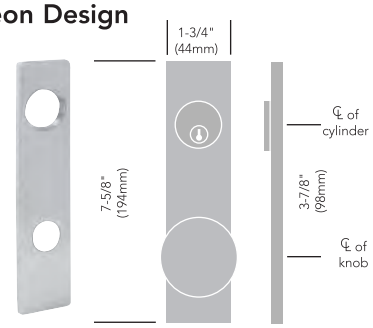
VN1 Escutcheon Design

- Thrubolt mounting screws (2)
- Exposed screws inside
- Available with B & C knobs only
- Refer to page 34



KE1/KE2 Escutcheon Design

- Escutcheon: KE1-Cast
- KE1- (2) Exposed screws inside
- KE2- (2) Concealed screws inside
- Available with B & C knobs only



** KS Escutcheon is not available with cylinder options:10-63-, 11-60-, 11-63-, 11-64-, 60-, 63-, 64-, 70-, 72-, 73-, 65-73-, 65-73-7P-, 73-7P-, 81-, 82-, 83-, 84-, F1-82-, F1-82- & F1-83-. Also not available with electrified functions: 70, 71, 72, 73

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Behavioral Health Series™ Trim

8200 Series Mortise Locks

SARGENT
ASSA ABLOY

8200 Push/Pull Trim (ALP)

(Paddle shown horizontally)

The 8200 mortise lock with push/pull trim provides an aesthetically-pleasing alternative to standard push/pull products. Ease of operation, along with the strength, versatility and integrity of the 8200 mortise lock, allows its use in many types of environments. Perfect for health care facilities, including behavioral health units, patient room doors and operating rooms.

Features

- Paddles can be mounted in vertically (up or down) and horizontally (towards hinge)
  - with Cylinder - paddle mounts vertically down or horizontally
- Easy installation
- Trim is non-handed; lockbody is easily field reversible
- Through-bolted trim for stability
- Torx® and spanner screws optional with ALP
- Lead lining is optional (Lockbody only), specify 74- option
- Covers are cast stainless steel
- Paddles are cast stainless steel
- Finish: 32D
- Patent pending and/or patent www.assaabloydss.com/patents

See Specialty Hardware Catalog 90712 for more details

8200 Series with BHW* Trim

Part of the Behavioral Health Series™ of products, the 8200 mortise lock with BHW trim provides an innovative solution for behavioral health environments. The unique integrated lever and escutcheon combines aesthetics with safety. Ease of operation, along with the strength and versatility of the 8200 mortise lock allows its use in many applications.

Features

- Available in 37 functions
- Uses standard mortise prep
- ANSI/BHMA Grade 1
- Tapered surfaces on all components
- Handed
- Available with MicroShield® antimicrobial coating
- Trim only option available with existing sectional and escutcheon trim only
- Trim only kits
  - 694-1 Trim only, non-keyed functions
  - 694-2 Trim only, single cylinder functions
  - 694-3 Trim only, double cylinder functions
- ADA Compliant
- Matching thumbturn available
- Finish: 32D
- 6 Lobe head security screws (Torx® type)
- Patent pending and/or patent www.assaabloydss.com/patents

See Specialty Hardware Catalog 90712 for more details

8200 with BHL* Trim

The SARGENT BHL trim is part of the Behavioral Health Series™ of products. With an array of functions, this trim can be used on virtually any opening in healthcare applications. Sloping surfaces and overlapping rose and lever address safety concerns common in behavioral health. Optimal for tough environments, the SARGENT 8200 mortise lock provides impressive strength and reliability.

Features

- Available in 21 functions
- UL Fire Rated
- ANSI/BHMA Grade 1
- Outside and inside levers will freely rotate up and down 45° when in the locked condition.
- Sloped surfaces
- Non-Handed
- Concealed hardware
- Overlapping lever and rose construction
- ADA compliant
- Finish: 32D
- Available with MicroShield® antimicrobial coating

See Specialty Hardware Catalog 90712 for more details

* Although these products are better designed for behavioral health applications than traditional trim, they do not eliminate the risk that an object can be affixed to, or around them

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PT Push/Pull Trims & Anti-Vandal Option

8200/7800 Series Mortise Locks

SARGENT
ASSA ABLOY

7800 Push/Pull Trim (PT)

(Paddle shown horizontally)

Typically used in the healthcare environment, push/pull trim is known for its ease of operation. Because the mortise lock with trim is more durable and secure than a cylindrical lock, conference rooms, handicapped restrooms, laboratories and pharmacies are appropriate applications.

Features

- Paddles can be mounted in vertically (up or down) and horizontally (towards hinge)
  - with Cylinder — paddle mounts vertically down or horizontally
  - with thumb turn — paddle mounts horizontally only
- Handing is easily field reversible
- Through-bolted trim for stability
- Functions available: 04, 15, 16, 17, 24, 26, 37, 43, 45, 50, 65
- Paddles & Covers are cast stainless steel, brass or bronze

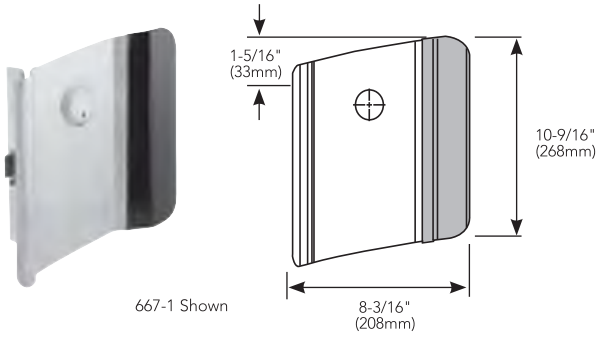
See Specialty Hardware Catalog 90712 for more details

7800/8200 Anti-Vandal Trim (AV)

Designed for exterior doors that require extra security or resistance to vandalism. AV anti-vandal trim plates have an extended lip on the active side of the door to provide extra protection for the latchbolt, deadbolt and deadlatch. A matte plastic coated grip edge provides a comfortable pull that feels good over wide temperature ranges. Fully through-bolted without exposed exterior fasteners for a clean look and increased security.

Features

- Heavy duty 12 gauge stainless steel in 32D finish only
- Through-bolted through mortise lockbody and door for added strength
- Handed: specify RHRB or LHRB
- ADA Compliant
- Patent Pending
- Available with all inside trim except LS/KS, FE and PT
- Options not available with AV trim: 1-, 31-, 49-, 50-, 68-, 69, 76, 77-, 85, 86, 87, DX- & SG-
- See chart to right for available functions
- For inactive door, available without protective lip
- Anti-Vandal Trim is available as a retrofit (667-_ Kit) or with the lock, as an "AV" option



667 AV Retrofit Kit

Retrofit kits for 7800, 7900, 8200 & 9200 mortise locks 667 Kit includes:

- AV Pull
- (4) 1/4-20 screws
- (4) Cup washers
- 1SB Rosette
- Instructions & Templates

RHRB	LHRB	Functions
667-1 82-4034	667-2 82-4035	04, 06, 17, 28, 29, 30, 50, 51, 52, 91 & 92 -1 & -2 Trim has an extended lip, cylinder hole and through-bolt post for mounting Inside trim
667-3* 82-4036	667-4* 82-4037	03, 20, 21, 23, & 31 -3 & -4 Trim has an extended lip & cylinder hole for deadbolt functions only
667-5* 82-4044	667-6* 82-4045	-5 & -6 Trim is designed as a Pull does not have an extended lip or cylinder hole

* For Deadbolt Functions only without lever trim

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Functions & Descriptions

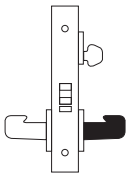
8200/R8200/7800 Series Mortise Locks

SARGENT
ASSA ABLOY

Single Cylinder without Deadbolt

*‡04 Storeroom or Closet

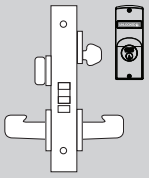
8200, R8200 & 7800



- Key outside retracts latchbolt
- Trim outside locked at all times
- Trim inside always retracts latchbolt
- Auxiliary deadlatch
- A Multi-Function 8200/R8200/7800 Lockbody
- **ANSI F07**

*05 Office or Entry

8200, R8200 & 7800



- Key outside retracts latchbolt, also locks & unlocks outside trim
- Trim inside always retracts latchbolt, trim outside remains locked
- Thumbturn inside locks & unlocks outside trim
- Auxiliary deadlatch
- A Multi-Function 8200/R8200/7800 Lockbody
- **ANSI F04**

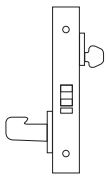
The Multi-Function Advantage with rose trim:

1. Lock will accommodate 04, 05, 15 & 37 functions without additional parts.
2. By adding an additional cylinder, lock will accommodate 38 function.
3. By adding a Trim One Side Kit, lock will accommodate 06, 13, 31 & 36 functions.

NOTE: Office/Entry Function with toggle is a 55 function.

06 Storeroom or Service

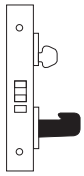
8200, R8200 & 7800



- No trim outside, cylinder only
- Key outside retracts latchbolt
- Trim inside always retracts latchbolt
- Auxiliary deadlatch
- A Multi-Function 8200/R8200/7800 Lockbody
- Same as 04 Function without trim outside

◊*31 Utility

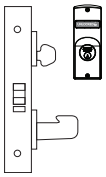
8200, R8200 & 7800



- Key outside retracts latchbolt
- Trim outside is always locked
- No inside trim or cylinder
- A Multi-Function 8200/R8200/7800 Lockbody
- Auxiliary deadlatch

*◊36 Closet

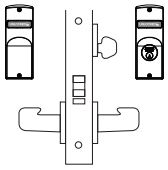
8200, R8200 & 7800



- Key locks and unlocks trim
- No inside trim or cylinder
- A Multi-Function 8200/R8200/7800 Lockbody
- Auxiliary dead latch

*‡37 Classroom

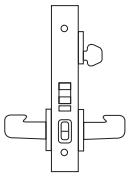
8200, R8200 & 7800



- Key outside retracts latchbolt, also locks & unlocks outside trim
- Trim inside always retracts latchbolt
- Auxiliary deadlatch
- A Multi-Function 8200/R8200/7800 Lockbody
- **ANSI F05**

55 Office or Entry

8200, R8200 & 7800



- Key outside retracts latchbolt
- Trim inside always retracts latchbolt, outside trim remains locked
- Trim outside is locked & unlocked by the toggle only
- Auxiliary deadlatch

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*8200 Available with Freewheeling Trim
‡7800 Available with Push/Pull Trim

If shaded, knob or lever rigid at all times

Indicator options available for both sectional and escutcheon trim.

◊**CAUTION**: Not recommended for use on any door used for Life Safety egress

Functions & Descriptions

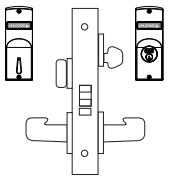
8200/R8200/7800 Series Mortise Locks

SARGENT
ASSA ABLOY

Single Cylinder without Deadbolt

56 Office & Inner Entry Lock

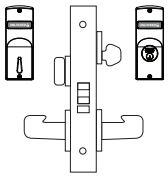
8200, R8200 & 7800



- Key outside retracts latchbolt
- Trim inside always retracts latchbolt and unlocks outside trim
- Trim outside is locked by thumbturn or key
- Auxiliary deadlatch

57 Institutional Privacy

8200, R8200, 7800

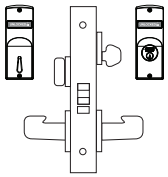


- Key outside retracts latchbolt, overriding thumbturn when held in locked position
- Thumbturn inside locks & unlocks outside trim
- Trim outside unlocks when the door closes or operating trim inside
- Trim inside always retracts latchbolt
- Auxiliary deadlatch

Note: Key locks & unlocks trim outside

58 Institutional Privacy

8200, R8200, 7800

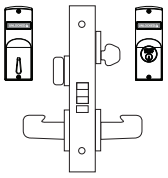


- Key outside retracts latchbolt, overriding thumbturn when held in locked position
- Thumbturn inside locks & unlocks outside trim
- Trim outside does not unlock when the door closes
- Trim outside unlocks when operating trim inside
- Trim inside always retracts latchbolt
- Auxiliary deadlatch

Note: Key locks & unlocks trim outside

67 Institutional Privacy

8200, R8200 & 7800

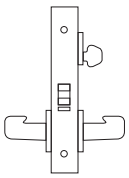


- Key outside retracts latchbolt, overriding thumbturn when held in locked position
- Thumbturn inside locks & unlocks outside trim
- Trim outside unlocks when the door closes or operating trim inside
- Trim inside always retracts latchbolt
- Auxiliary deadlatch
- **ANSI F26**

Note: Key does not lock trim outside, only unlocks it

89 Holdback

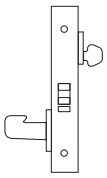
8200



- Key outside retracts latchbolt, also locks & unlocks outside trim
- Trim inside always retracts latchbolt
- Auxiliary deadlatch
- Latch holdback — to set, rotating & hold lever, then rotate key twice toward latchbolt. Lever will remain in rotated position indicating it is unlocked
- **ANSI F06**

91 All Purpose Holdback

8200



- Key outside retracts latchbolt
- Key outside can lock latchbolt in retracted position
- Trim inside always retracts latchbolt
- No outside trim
- Auxiliary deadlatch
- Latch holdback — set by rotating & holding trim, then rotate key toward latchbolt. Lever will remain in rotated position for unlocked indication

Indicator options available for both sectional and escutcheon trim.

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Functions & Descriptions

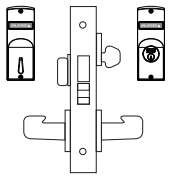
8200/R8200/7800 Series Mortise Locks

SARGENT
ASSA ABLOY

Single Cylinder with Deadbolt

◊*‡24 Room Door

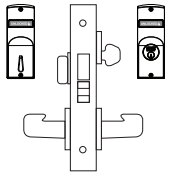
8200, R8200 & 7800



- Key outside or thumbturn inside retracts and projects deadbolt
- Trim either side retracts latchbolt
- Latchbolt & deadbolt operate independently of each other
- **ANSI F21**

*25 Dormitory or Exit

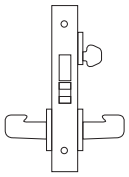
8200, R8200 & 7800



- Key outside or thumbturn inside retracts and projects deadbolt
- Trim from either side retracts latchbolt, when the deadbolt is in the retracted position
- Trim outside is locked, when the deadbolt is projected
- When deadbolt is projected, Trim inside retracts latchbolt and deadbolt simultaneously, unlocking outside trim
- **ANSI F13**

◊27 Closet or Storeroom

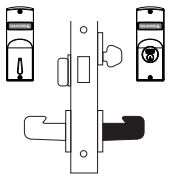
8200, R8200 & 7800



- Key outside retracts and projects deadbolt
- Trim from either side retracts latchbolt
- Same as 24 function without thumbturn
- Latchbolt & deadbolt operate independently of each other

28 Dummy Trim Deadlock

8200, R8200 & 7800

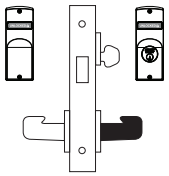


- Deadbolt operation only
- Key outside retracts and projects deadbolt
- Trim inside always retracts deadbolt
- Trim outside is always locked
- Thumbturn inside retracts and projects deadbolt

Note: Indicator shows deadbolt position only

30 Dummy Trim Deadlock

8200, R8200 & 7800

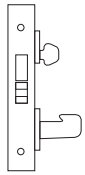


- Deadbolt operation only
- Key outside retracts and projects deadbolt
- Trim inside always retracts deadbolt
- Trim outside is always locked
- Same as 28 Function without a thumbturn

Note: Indicator shows deadbolt position only

◊*35 Storeroom

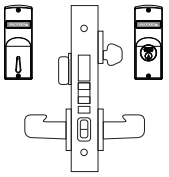
8200, R8200 & 7800



- Key outside retracts and projects deadbolt
- Trim outside retracts latchbolt, except when deadbolt is projected
- No inside trim or cylinder

‡43 Apartment Corridor Door

8200, R8200 & 7800



- Key and thumbturn both retract & project the deadbolt
- Trim outside is locked by toggle or projecting deadbolt
- Trim outside is unlocked by toggle only
- Key retracts both latchbolt and deadbolt, trim outside remains locked
- Trim inside always retracts latchbolt (and deadbolt simultaneously), trim outside remains locked
- Auxiliary deadlatch
- **ANSI F20**

*8200 Available with Freewheeling Trim
‡7800 Available with Push/Pull Trim
◊**CAUTION**: Not recommended for use on any door used for Life Safety egress

If shaded, knob or lever rigid at all times

Indicator options available for both sectional and escutcheon trim.

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Functions & Descriptions

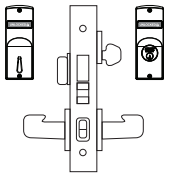
8200/R8200/7800 Series Mortise Locks

SARGENT
ASSA ABLOY

Single Cylinder with Deadbolt

‡45 Dormitory or Exit

8200, R8200 & 7800

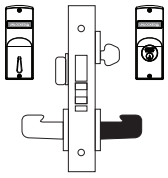


- Key and thumbturn both retract & project deadbolt
- Trim outside is locked by toggle or projecting deadbolt
- Trim outside is unlocked by toggle only
- Key retracts both latchbolt and deadbolt, trim outside remains locked
- Trim inside always retracts latchbolt (and deadbolt simultaneously), trim outside remains locked
- Same as an 8243 without Auxiliary Deadlatch
- **ANSI F12**

Note: Indicator shows deadbolt position only

*‡ 50 Hotel Guest

8200, R8200 & 7800

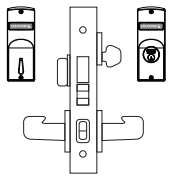


- Hotel Cylinder (50 Function) Required (Standard & Emergency Keys)
- Standard Key retracts latchbolt only, will not retract or project deadbolt
- Emergency Key (ordered separately) will retract latchbolt & deadbolt and also project deadbolt
- Thumbturn retracts & projects deadbolt
- Trim inside retracts latchbolt & deadbolt simultaneously
- Trim outside is always locked
- Auxiliary deadlatch
- Available with Conventional, LFIC (60- & 63-), Degree (60-, 63-, & 64-) and Keso (82- & F1-82-) key systems
- **ANSI F15**

Note: Indicator shows deadbolt position only

◊47 Front Door or Apartment Corridor Door

8200, R8200 & 7800

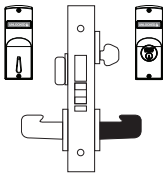


- Key and thumbturn both retract & project deadbolt
- Trim outside is locked by toggle or projecting deadbolt
- Trim outside is unlocked by toggle only
- Key retracts both latchbolt and deadbolt, trim outside remains locked
- Trim inside retracts latchbolt only, deadbolt is retracted manually & trim outside remains locked
- **ANSI F08/F10**

Note: Indicator shows deadbolt position only

*51 Storeroom Deadbolt

8200, R8200 & 7800



- Key and thumbturn both retract & project the deadbolt
- Key will also retract latchbolt
- Trim inside retracts latchbolt & deadbolt simultaneously
- Trim outside is always locked
- Auxiliary deadlatch
- Same as 50 function with a std. cylinder

Note: Indicator shows deadbolt position only

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*8200 Available with Freewheeling Trim
‡7800 Available with Push/Pull Trim

If shaded, knob or lever rigid at all times

Indicator options available for both sectional and escutcheon trim.

◊**CAUTION**: Not recommended for use on any door used for Life Safety egress

Functions & Descriptions

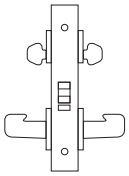
8200/R8200/7800 Series Mortise Locks

SARGENT
ASSA ABLOY

Double Cylinder without Deadbolt

*‡16 Apartment, Exit or Public Restroom

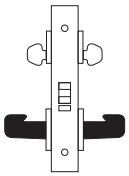
8200, R8200 & 7800



- Key outside retracts latchbolt
- Key inside is required to lock and unlock trim outside
- Trim inside always retracts latchbolt
- Auxiliary deadlatch
- Special -105 cam, required for inside cylinder (supplied)
- **ANSI F09**

◊‡17 Asylum or Institutional

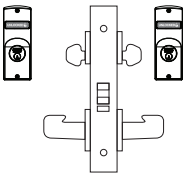
8200, R8200 & 7800



- Key from either side retracts latchbolt
- Trim on both sides are locked at all times
- Auxiliary deadlatch
- **ANSI F30**

*38 Classroom Security Intruder Latchbolt

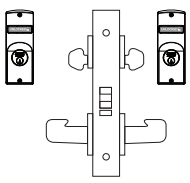
8200, R8200 & 7800



- Key from either side locks & unlocks outside trim
- Key from either side retracts latchbolt
- Trim outside retracts latchbolt, except when locked
- Trim inside always retracts latchbolt
- A Multi-Function 8200/R8200/7800 Lockbody
- Auxiliary deadlatch
- **ANSI F32**

*42 Classroom Security Intruder Latchbolt

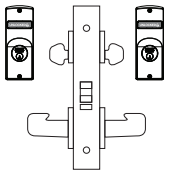
8200



- **Handed function; handing must be specified. This function is NOT field reversible for handing.**
- Key inside only locks outside trim (does not unlock)
- Key outside locks and unlocks outside trim
- Key outside retracts latchbolt
- Trim outside retracts latchbolt, except when locked
- Trim inside always retracts latchbolt
- Auxiliary deadlatch

◊59 Double Locking

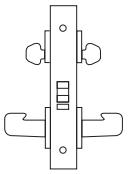
8200 & R8200



- Key from either side locks & unlocks both the inside & outside trims
- Key from either side retracts latchbolt
- Key from either side can retract latchbolt without unlocking trims
- Auxiliary deadlatch

90 Classroom Security Holdback

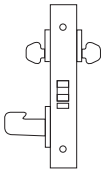
8200



- Key from either side retracts latchbolt, also locks & unlocks outside trim
- Latchbolt can be locked in the retracted position by key from either side
- Trim inside always retracts latchbolt
- Auxiliary deadlatch
- Latch holdback — to set, rotating & hold lever, then rotate key twice toward latchbolt. Lever will remain in rotated position indicating it is unlocked

92 All Purpose Holdback

8200 & 7800



- Key outside retracts latchbolt
- Key inside can lock latchbolt in retracted position when the lever is rotated
- Trim inside always retracts latchbolt
- No outside trim
- Auxiliary deadlatch
- 7892 "T " turn is used in place of knob
- Special -105 cam required for inside cylinder (Supplied Standard)
- Latch holdback — to set, rotating & hold lever, then rotate key twice toward latchbolt. Lever will remain in rotated position indicating it is unlocked

*8200 Available with Freewheeling Trim
‡7800 Available with Push/Pull Trim

If shaded, knob or lever rigid at all times

Indicator options available for both sectional and escutcheon trim.

◊**CAUTION**: Not recommended for use on any door used for Life Safety egress

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Functions & Descriptions

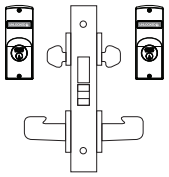
8200/R8200/7800 Series Mortise Locks

SARGENT ASSA ABLOY

Double Cylinder with Deadbolt

◊*‡26 Store Door

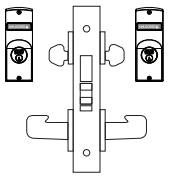
8200, R8200 & 7800



- Key from either side retracts & projects deadbolt
- Trim from either side retracts latchbolt
- Latchbolt and deadbolt are independent of each other
- **ANSI F14**

*40 Classroom Security Intruder Deadbolt

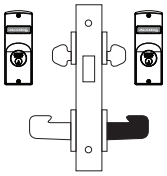
8200, R8200 & 7800



- Key from either side retracts or projects deadbolt which also unlocks or locks outside trim
- Trim outside retracts latchbolt, except when locked
- Trim outside is only locked by projecting the deadbolt
- Trim inside retracts both latchbolt and deadbolt simultaneously, and unlocks outside trim
- Auxiliary deadlatch
- Same as an 8239 with Auxiliary deadlatch
- **ANSI F34**

29 Dummy Trim Deadlock

8200, R8200 & 7800

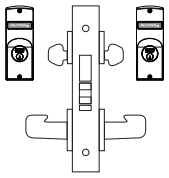


- Deadbolt operation only
- Key on either side retracts & projects deadbolt
- Trim inside retracts deadbolt
- Trim outside is always locked

Note: Indicator shows deadbolt position only

41 Classroom Security Intruder Deadbolt

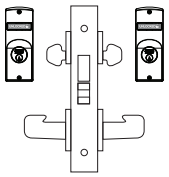
8200, R8200 & 7800



- Key from either side retracts and projects deadbolt
- When deadbolt is projected, 1st key rotation retracts deadbolt, 2nd key rotation unlocks trim outside
- Key retraction of latchbolt from either side unlocks trim outside
- Trim outside retracts latchbolt, except when locked
- Trim inside (when deadbolt is projected) retracts both latchbolt and deadbolt simultaneously and the outside trim remains locked
- Auxiliary deadlatch

*39 Classroom Security Intruder Deadbolt

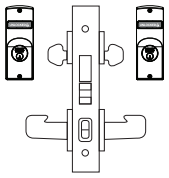
8200, R8200 & 7800



- Key either from side retracts or projects deadbolt which also unlocks or locks outside trim
- Trim outside retracts latchbolt, except when locked
- Trim outside is only locked by projecting the deadbolt
- Trim inside retracts both latchbolt and deadbolt simultaneously, and unlocks outside trim
- **ANSI F33**

46 Dormitory or Exit

8200, R8200 & 7800



- Key from either side retracts and projects deadbolt
- Key from either side retracts both latchbolt and deadbolt, trim outside remains locked
- Trim outside is locked by toggle or projecting deadbolt
- Trim outside is unlocked by toggle only
- Trim inside (when deadbolt is projected) retracts both latchbolt and deadbolt simultaneously and the outside trim remains locked

Note: Indicator shows deadbolt position only

*8200 Available with Freewheeling Trim
‡7800 Available with Push/Pull Trim

If shaded, knob or lever rigid at all times

Indicator options available for both sectional and escutcheon trim.

◊**CAUTION**: Not recommended for use on any door used for Life Safety egress

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Functions & Descriptions

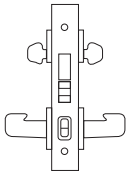
8200/R8200/7800 Series Mortise Locks

SARGENT
ASSA ABLOY

Double Cylinder with Deadbolt

◊48 Store Door

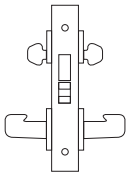
8200, R8200 & 7800



- Key from either side retracts and projects deadbolt
- Key from either side retracts latchbolt
- Trim outside is locked by toggle or projecting deadbolt and unlocked by toggle only
- Trim inside (when deadbolt is projected) retracts latchbolt only, and outside trim remains locked
- **ANSI F25**

◊49 Security Deadbolt

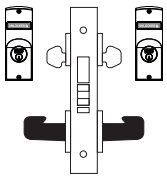
8200 & R8200



- Key from either side retracts and projects deadbolt
- Key from either side retracts latchbolt
- Trim inside & outside are locked only when deadbolt is projected

◊52 Institutional Deadbolt

8200, R8200 & 7800



- Key from either side retracts and projects deadbolt
- Key from either side retracts latchbolt
- Trim inside and out are always locked
- Auxiliary deadlatch

Note: Indicator shows deadbolt position only

If shaded, knob or lever rigid at all times

Indicator options available for both sectional and escutcheon trim.

◊**CAUTION**: Not recommended for use on any door used for Life Safety egress

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Functions & Descriptions

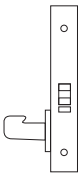
8200/R8200/7800 Series Mortise Locks

SARGENT
ASSA ABLOY

Non-Keyed

13 Exit Latch

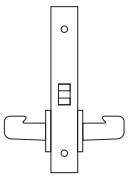
8200, R8200 & 7800



- No outside trim or cylinder
- Trim inside retracts latchbolt
- A Multi-Function 8200/R8200/7800 Lockbody
- Auxiliary deadlatch
- **ANSI F31**

‡15 Passage or Closet

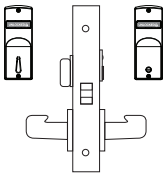
8200, R8200 & 7800



- Trim from either side retracts latchbolt at all times
- **ANSI F01**

*‡ 65 Privacy Bath/Bedroom

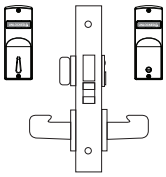
8200, R8200 & 7800



- Trim outside retracts latchbolt except when locked by thumbturn
- Trim inside retracts latchbolt and unlocks outside trim
- Emergency Release locks/unlocks trim outside-by coin, screwdriver or Emergency key (14-0057) ordered separately
- Thumbturn locks and unlocks trim outside
- Closing the door will unlock outside trim
- **ANSI F22**

*66 Privacy Bath/Bedroom

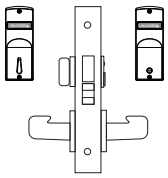
8200, R8200 & 7800



- Trim outside retracts latchbolt except when deadbolt is projected
- Trim inside retracts both latchbolt and deadbolt simultaneously, unlocking the outside trim
- Emergency Release retracts and projects deadbolt — by coin, screw driver or Emergency key (14-0057) ordered separately
- Thumbturn retracts and projects deadbolt
- **ANSI F19**

◊68 Privacy Bath/Bedroom

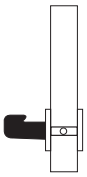
8200, R8200 & 7800



- Trim from either side retracts latchbolt at all times
- Thumbturn retracts and projects deadbolt
- Emergency release retracts and projects deadbolt — by coin, screwdriver or Emergency key (14-0057) ordered separately
- Latchbolt and deadbolt are independent of each other
- **ANSI F02**

93 Trim Dummy

8200, R8200 & 7800



- Trim on inside of door is always rigid
- Trim only used as door pull
- For double door applications, installed on the inactive door, use template #4298 to accept latchbolt from active door

Note: Lever is through-bolted

*8200 Available with Freewheeling Trim
‡7800 Available with Push/Pull Trim

If shaded, knob or lever rigid at all times

Indicator options available for both sectional and escutcheon trim.

◊**CAUTION**: Not recommended for use on any door used for Life Safety egress

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Functions & Descriptions

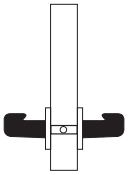
8200/R8200/7800 Series Mortise Locks

SARGENT
ASSA ABLOY

Non-Keyed

94 Trim Dummy

8200, R8200 & 7800

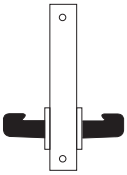


- Trim on both sides are always rigid
- Trim only used as door pull
- Recommended for double door applications on the inactive door, use template #4298, to accept latchbolt from active door

Note: Lever not surface mounted

96 Double Trim Dummy

8200, R8200 & 7800



- Trim on both sides of the door
- Both trims are always rigid
- Includes lock case and armor front
- Not recommended on double door applications (will not accept latchbolt from active door)

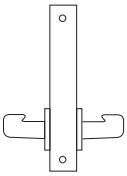
95 Single Trim Dummy

8200, R8200 & 7800

- Trim inside only
- Trim is always rigid
- Includes lock case and armor front
- Not recommended on double door applications (will not accept latchbolt from active door)

97 Active Trim Dummy

8200, R8200 & 7800



- Trim on both sides are active
- Includes lock case and armor front
- Not recommended on double door applications (will not accept latchbolt from active door)

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If shaded, knob or lever rigid at all times

Functions & Descriptions

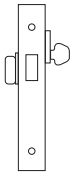
8200/R8200/7800 Series Mortise Locks

SARGENT
ASSA ABLOY

Deadbolt Only

◊03 Classroom Deadlock

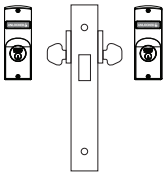
8200



- Deadbolt operation only
- Key outside retracts and projects deadbolt
- Thumbturn inside retracts deadbolt only, will not project it
- **ANSI F29**

◊22 Deadlock

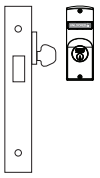
8200



- Deadbolt operation only
- Key outside or inside retracts and projects deadbolt
- **ANSI F16**

◊20 Deadlock

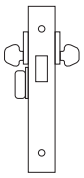
8200



- Deadbolt operation only
- Key outside retracts and projects deadbolt
- No inside operation
- **ANSI F18**

◊23 Classroom Deadlock

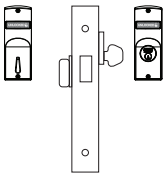
8200



- Deadbolt only operation
- Key outside or inside retracts and projects deadbolt
- Thumbturn inside retracts deadbolt, does not project deadbolt
- Same as 03 function with cylinder inside
- Not Available with Behavioral Health Trim

◊21 Deadlock

8200



- Deadbolt operation only
- Key outside retracts and projects deadbolt
- Thumbturn inside retracts and projects deadbolt
- **ANSI F17**

Indicator options available for both sectional and escutcheon trim.

◊**CAUTION**: Not recommended for use on any door used for Life Safety egress

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Electrical Functions & Monitoring Options

8200/R8200/7800 Series Mortise Locks

SARGENT
ASSA ABLOY

SARGENT 8200 Electromechanical Mortise locks are designed to handle single opening, stand alone applications, or can be readily integrated into sophisticated access control systems. They meet ANSI/BHMA A156.13 Grade 1 requirements, are UL listed on fire doors, and satisfy industry standards for operating temperature, shock and fire hazard.

Featuring EcoFlex® Technology*

- **Reduces energy consumption up to 96%, as certified by GreenCircle**
  - Lower operating costs
  - Assists with load reduction in optimizing energy performance credit in LEED
  - Reduces number of power supplies required
- **Field configurable to fail-safe or fail-secure**
- **Operates from 12-24VDC, offering greater flexibility in system design**
- **Innovative actuator design provides superior reliability**
  - Higher performance and reduced maintenance
  - Ability to have longer cable runs without negatively impacting lock function
  - Reduces risk of voltage drops and eliminates inductive kickback
  - Lower total cost of ownership

**Patent pending*

Electrical Requirements for electromechanical functions:

Voltage: Operates from 12-24VDC Regulated. Full wave rectification installed inside the lockbody.

Current:

- Actuator draw = .015 Amp continuous
- Maximum (2) locks per 1 Amp power supply (1/2 Amp peak current draw)

Operating Temp.: Max. 151°F (66°C), Min –31°F (-35°C)

UL and CUL listed for use on Fire Doors

Note: Repeated operation at voltage exceeding +/- 10% is not recommended

Warning:

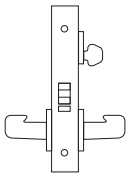
- **Do not** connect locks to a circuit sharing an additional electromagnetic device as the lock may be damaged
- Transient voltage must be suppressed at the source or before connecting with the lock
- Varistor rated at 35 volts (peak) may be used for transient voltage protection

Note: Opening the lockbody or the actuator replacement in the field by non-authorized personnel voids UL label and lock warranty

Electromechanical Functions

70 Electrical (Fail Safe)
71 Electrical (Fail Secure)

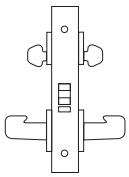
8200 & R8200



- 70 function — Power ON, locks outside lever
- 71 function — Power ON, unlocks outside lever
- Specify voltage: 12VDC or 24VDC (operates from 12-24VDC)
- Key outside retracts latchbolt
- Lever outside retracts latchbolt, except when locked
- Lever outside can only be locked electronically
- Lever inside always retracts latchbolt
- Auxiliary deadlatch

72 Electrical (Fail Safe)
◊73 Electrical (Fail Secure)

8200 & R8200



- 72 function — Power ON, locks both levers
- 73 function — Power ON, unlocks both levers
- Specify voltage: 12VDC or 24VDC (operates from 12-24VDC)
- Key on either side retracts latchbolt
- Lever from either side retracts latchbolt, except when levers are locked
- Both Levers can only be locked & unlocked electronically
- Levers can not be locked separately, only together
- Auxiliary deadlatch

Electrified Mortise Locks with Standard Monitoring Options

- Single Pole Double Throw (SPDT) type C switches
- **RX- option — Request-to-Exit or Enter Signaling Switch**
  - Two switches mounted internally in lockbody that provide independent monitoring of inside and outside lever rotation
  - Available in all functions with non rigid levers
  - Not available for the following options: 1-, 3-, 74-
  - Not available for the following trims: LS or FE
- **LX- option — Latchbolt Monitor**
  - Single switch mounted within lockbody signaling latchbolt position
  - Available for all non deadbolt functions
  - Not available with DX or 74-
- **DX- option — Deadbolt Monitor**
  - Switch mounted internally in lockbody that indicates deadbolt position
  - Not available for the following options: 3-, 74- or LX-
  - Available in all deadbolt functions

◊**CAUTION**: Not recommended for use on any door used for Life Safety egress

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Electrical Functions & High Security Monitoring Options

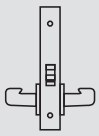
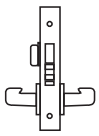
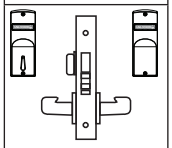
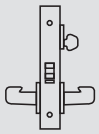
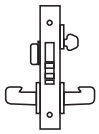
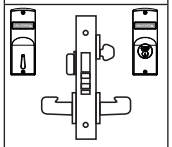
8200/R8200/7800 Series Mortise Locks

SARGENT ASSA ABLOY

Electrified Mortise Locks with High Security Monitoring:

The high security monitoring options of our industry-leading Integrated Wiegand locks are now available in a mortise lock that can be used as a stand-alone electrified lock or in conjunction with a wall reader. Every NAC lock is shipped with door position and request to exit monitoring installed. NAC locks ordered with deadbolt are supplied with deadbolt monitoring.

Functions:

Function	Description		Illustration
NAC-82274	Fail Safe	No key override, no deadbolt	
NAC-82275	Fail Secure		
NAC-82284	Fail Safe	No key override with deadbolt	
NAC-82285*	Fail Secure		
NAC-82270	Fail Safe	Key override, no deadbolt	
NAC-82271	Fail Secure		
NAC-82280	Fail Safe	Key override with deadbolt	
NAC-82281*	Fail Secure		

- Fail Safe: Power off, unlocks outside trim
- Fail Secure: Power off, locks outside trim
- Key Override: Key outside retracts latch and/or deadbolt when trim is locked electronically
- Deadbolt projected and retracted by thumbturn or key

Indicator available for NAC-82281 and NAC-82285, Fail Secure, only when used with PHR option

Indicator options available for both sectional and escutcheon trim.

High Security Monitoring Options

- **Internal End-of-Line Monitoring**

  Integrated directly into the mortise lock, internal end-of-line resistors monitor the line from the access control panel to the lock. Typically, resistors are installed at the panel or above the door, creating vulnerability between the resistors and the locks. Incorporating resistors within the lock eliminates any risk of undetected tampering or damage, while also reducing installation costs, simplifying specifications, and offering the assurance of a factory installed and tested product.

  Select a compatible resistor configuration and add the appropriate prefix to your order string:

  – **R01:** Mercury and Lenel compatible 1KΩ/2KΩ resistance supervision

  – **R03:** Software House compatible 1KΩ/2KΩ resistance supervision

  – **R04:** AMAG compatible 4-state supervision

- **Deadbolt Privacy Function (PHR-)**

  – Engaging the deadbolt disables remote access control unlocking (keypad or card reader) or scheduled unlock.

  – Ideal for personal privacy areas, such as nursing rooms, on-call doctors' rooms, restrooms, and shower areas

  – To order, add the PHR- prefix to your order string

  Note: PHR is only available on Fail Secure functions

- **Integrated Door Position Switch (IDP-)**

  – The patented IDP option adds a magnetic door position switch in series with the internal auxiliary latch and latchbolt position switches to provide three factor monitoring.

  – This offers added assurance that the door is secure, reduces the likelihood of attack, and is aesthetically pleasing because it conceals the door position switch behind the front plate and the magnet behind the strike.

  – To order, add the IDP- prefix to your order string

Ordering Examples:

R01-IDP-NAC-82271-12V-LN-MD-26D-LHR

R04-PHR-IDP-NAC-82281-24V-LN-MD-26D-RHR

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Electrical Requirements & Accessories

8200/R8200/7800 Series Mortise Locks

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Requirements for Electrical and Data Transfer

To answer the demand for "smart" electronic access control and locking solutions that require fast, easy, and cost-effective installation, ASSA ABLOY Group brands use the ElectroLynx® standardized plug-in connectors and color-coded wiring system.

With ElectroLynx®, doorway components come pre-wired for easy hookup to the power source. The key to the system is the transfer device hinge that carries power from the frame to the locking hardware.

Features of ElectroLynx®:

- Makes it easy to bring power to the locking hardware
- Wires have connectors that snap together, like plugging a telephone into a jack

To connect an 8200 & R8200 Electrified Mortise Lock to the electronic access control system, the following items are required:

- 8200 & R8200 Electrified Mortise Lock
- ASSA ABLOY Door Group pre-wired door, or ElectroLynx® retrofit cable (order from McKINNEY)
- Electronic transfer device (ElectroLynx® electronic transfer hinge or Electrical Power Transfer with standard hinge, from McKINNEY)
- ElectroLynx® cable from the hinge to above the ceiling (order from McKINNEY)

Information regarding cable selection, hinge requirements and order strings can be found in the McKINNEY Transfer Device Solutions catalog. Consult 800-810-WIRE (9473) with questions on application specifications and requirements.

McKINNEY QC8 ElectroLynx® Hinges for 8270-8274 functions and the RX- Option is recommended.
McKINNEY QC12 ElectroLynx® Hinges for LX- or DX- Option is recommended.

Securitron PowerJump™ ICPT

The Securitron PowerJump ICPT Inductive Coupling Power Transfer delivers power contactlessly and invisibly between the frame and door to power electrified hardware on the door. The PowerJump can be installed at the latch side or hinge side of the door and transfers up to 6 watts of power without pins or wires across the door gap, eliminating points of vulnerability and wear…and no need to core drill the door. The PowerJump is field selectable for 12VDC or 24VDC systems and is ideal for fail secure applications. The unit can hold electrified latches open in continuous duty or can momentarily energize the lockset for latch retraction.

Additional information regarding this product can be found at www.securitron.com

12VDC & 24VDC Power Supplies:

- UL Class 2 Listed
- Four 12V models and four 24V models available
- Integral battery charging capability keeps sealed lead acid gel/cell at full charge in case of line voltage failure (737-battery sold separately)
- Fused line voltage input with one, four, or eight DC outputs (depending on model)
- Each circuit can be individually turned on and off via a slide
  switch; the power status of each is shown by an LED
- In the event of a DC short, the problem is confined to the zone of difficulty
- Fire alarm interface standard

SARGENT MODEL No.	DESCRIPTION
3521	12V - 1 AMP POWER SUPPLY
3541	12V - 3 AMP POWER SUPPLY
3551	12V - 4.5 AMP POWER SUPPLY
3571	12V - 6 AMP POWER SUPPLY
737	12V - 5 AMP HOUR BACKUP BATTERY

SARGENT MODEL No.	DESCRIPTION
3520	24V - 1 AMP POWER SUPPLY
3540	24V - 2 AMP POWER SUPPLY
3550	24V - 4 AMP POWER SUPPLY
3570	24V - 6 AMP POWER SUPPLY
738	24V - 5 AMP HOUR BACKUP BATTERY

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Indicators

7800/8200 Series Mortise Locks

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Applications

7800/8200 Series indicators can be used in a variety of applications and are most commonly used to identify occupancy or display the locked/unlocked status of a room.

- Restrooms
- Quiet rooms
- Nursing mother's rooms
- Classroom doors

Features

- Inside, outside or both sides of the door
- Sectional or escutcheon trim
- Available with 34 different functions – including thumbturn functions
- Viewing window 25% larger than competition
- Patent pending curved design for viewing at multiple angles
- Window located prominently above the cylinder
- Highly reflective viewing window for increased safety
- Optional directional engraving available – must specify handing
- Retrofitable for existing applications

Functions

- Indicators are available with the following 7800 and 8200 Series functions. See pages 19-28 for details.

05	37	51
20	38	52
21	39	56
22	40	57
24	41	58
25	42	59
26	43	65
28	45	66
29	46	67
30	47	68
36	50	NAC-PHR-82281
		NAC-PHR-82285

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Indicators

7800/8200 Series Mortise Locks

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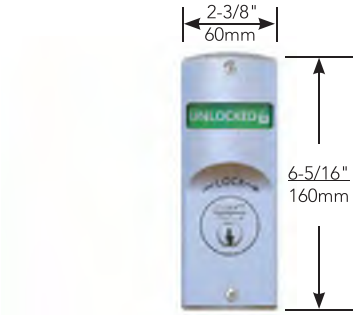
Sectional Trim

- Surface mounted
- Torx security screws provided
- Compatible with select sectional trim rose designs: O, LN, E, TR, CR, CO, TO, E2, E3
- Compatible with all thumbturn designs
- Available with optional directional arrow engraving
- Not compatible with BHW, BHL, or BHD trims

Specify option code when ordered with lock. See page 35 for indicator codes.

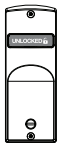
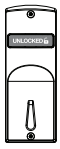
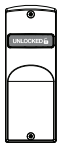


Retrofit/Upgrade Kits

Retrofit/upgrade kits are available for existing applications only. Each kit includes single side indicator plate with mechanism, screw pack, plastic template and instructions.

To order retrofit/upgrade kits, specify by model number. Door thickness, handing and indicator option code must also be specified with kit. Retrofit/upgrade kits with directional engraving must include lock handing.

See page 36 for how to order examples. **Note: Indicators for both sides of door require two kits.**

	Model #	Used with Functions	Available Option Codes	Indicator Location
	SA190	20, 21, 22, 24, 25, 26, 28, 29, 30, 39, 40, 41, 43, 45, 46, 47, 50, 51, 52, PHR-NAC-82281	Outside Trim: V10, V20, V30, V40, V50, V60 Inside Trim: V01, V03, V04, V06	Inside and/or Outside*
	SA191	36, 56, 57, 58, 67		
	SA192	05, 37, 38, 42, 59		
	SA193	65, 66, 68	V10, V20, V30, V40, V50, V60	Outside
	SA194	21, 24, 25, 28, 43, 45, 47, 50, 51, 66, 68, PHR-NAC-82281, PHR-NAC-82285	V01, V03, V04, V06	Inside
	SA196	56, 57, 58, 65, 67		
	SA197	30, 37, PHR-NAC-82285	Outside Trim: V10, V20, V30, V40, V50, V60 Inside Trim: V01, V03, V04, V06	Inside, Outside

*When indicators are required on both sides of the door, 2 upgrade kits must be ordered, one kit for each side.

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Indicators

7800/8200 Series Mortise Locks

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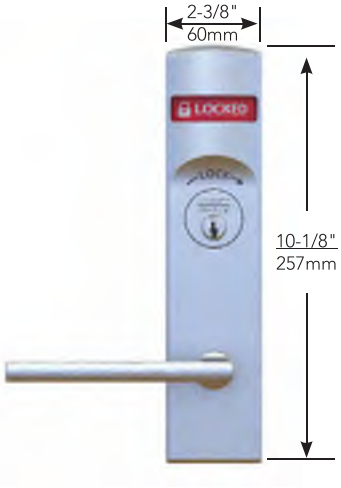
Escutcheon Trim

- Unique escutcheon (VN1) for both inside and outside of door for indicator functions
- Non-indicator functions provide with standard escutcheons as ordered, i.e. LE1, LE2, LE3, LE4, LW1, LS or WT
- Through-bolted
- Torx security screws optional
- Compatible with all thumbturn designs
- Available with optional directional arrow engraving
- Not compatible with select lever designs: MK, MT, H001, H002, H003, H004, H005, H006, H007, H008, H009, H010, H011

Specify option code when ordered with lock. See page 35 for indicator option codes.



Trim Kits

Complete trim kits are available to retrofit/upgrade existing applications.

Trim kit includes levers and escutcheons with mechanism for both sides of door, screw pack, door marker and instructions.

To order trim kit only, specify by adding option code IS and the indicator option code (see pg. 35 for codes) to the complete order string. The IS option code will be used for all trim kits for the VN1 escutcheon with indicators. Both inside and outside will be supplied.

Option Code	Functions
IS	All functions*

*Escutcheon indicator trim kits available for all functions as listed on page 32

Note: Escutcheon applications require both sides of the door to have the unique VN1 escutcheon. Kits will be provided as a set.

How to Order Example

Option Codes	Function	Esctucheon	Lever	Door Thickness	Hand	Finish
IS-V04-	8256*	VN1	L	1-3/4"	RH	26D

* The function of the existing lock is required so the proper escutcheons can be provided.

Office & Inner Entry Lock x escutcheon trim x inside indicator - Unlocked/Locked – Red/White x trim only.

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Indicators

7800/8200 Series Mortise Locks

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Indicator Option Codes

7800/8200 Series indicator option codes are designed to convey wording, color and side of door desired in one simple code. To order, specify option code for complete locksets and/or retrofit/upgrade trim kits.

Single Indicator			
Option Code	**Outside Wording**	**Inside Wording**	**Color**
V10	Unlocked/Locked	No Indicator	Green/Red
V20	Vacant/Occupied	No Indicator	Green/Red
V30	Icons Only	No Indicator	Green/Red
V40	Unlocked/Locked	No Indicator	White/Red
V50	Vacant/Occupied	No Indicator	White/Red
V60	Icons Only	No Indicator	White/Red
V01	No Indicator	Unlocked/Locked	Green/Red
V03	No Indicator	Icons Only	Green/Red
V04	No Indicator	Unlocked/Locked	White/Red
V06	No Indicator	Icons Only	White/Red
Double Indicator			
Option Code	**Outside Wording**	**Inside Wording**	**Color**
V11	Unlocked/Locked	Unlocked/Locked	Green/Red
V21	Vacant/Occupied	Unlocked/Locked	Green/Red
V33	Icons Only	Icons Only	Green/Red
V44	Unlocked/Locked	Unlocked/Locked	White/Red
V54	Vacant/Occupied	Unlocked/Locked	White/Red
V66	Icons Only	Icons Only	White/Red
Engraving			
Option Code	**Outside**	**Inside**	**Wording**
EMA	Engraving	No Engraving	"Lock" with arrow
EMB	No Engraving	Engraving	"Lock" with arrow
EMC	Engraving	Engraving	"Lock" with arrow

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Indicators

7800/8200 Series Mortise Locks

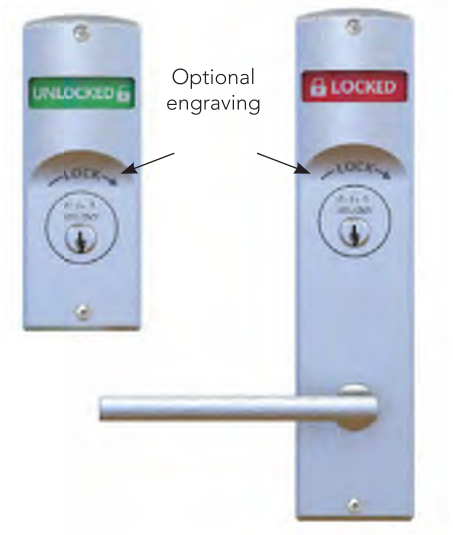
SARGENT ASSA ABLOY

Engraving Options

- Laser engraving with "LOCK" and directional arrow
- Only available in the following finishes: 3, 4, 14, 15, 26, 26D
- Available with MicroShield®
- Door handing must be specified

Option Code	Description
EMA	Engraving located on outside of door
EMB	Engraving located on inside of door
EMC	Engraving located on inside and outside of door

Note: Engraving is available as an option for all functions when ordered with an indicator. Option codes must be specified with complete lock and/or retrofit (upgrade) kits/trim.



How to Order Examples

Complete with Lock

Sectional Trim

Option Code	Function	Rose	Lever	Hand	Finish
V04	8238	O	L	RH	26D

Classroom Security Intruder Latchbolt function x sectional trim x single indicator inside – Unlocked/Locked – Red/White

Escutcheon Trim

Option Code	Function	Escutcheon	Lever	Hand	Finish
V54 x EMB	8265	VN1	L	RH	26D

Privacy Bedroom/Bath function x escutcheon trim x double indicator - Vacant/Occupied – Red/White (Outside) Unlocked/Locked – Red/White

Retrofit (Upgrade)/Trim Kit Only

Sectional Trim*

Option Code	Model #	Door Thickness	Hand	Finish
V04	SA190	1-3/4"	RH	26D

Keyed function indicator for sectional trim x single indicator inside – Unlocked/Locked – Red/White

* When indicators are required on both sides of the door, 2 upgrade kits must be ordered, one kit for each side.

Escutcheon Trim

Option Codes	Function	Esctucheon	Lever	Door Thickness	Hand	Finish
IS-V04-	8256**	VN1	L	1-3/4"	RH	26D

** The function of the existing lock is required so the proper escutcheons can be provided.

Office & Inner Entry Lock x escutcheon trim x inside indicator - Unlocked/Locked – Red/White x trim only.

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Indicators

7800/8200 Series Mortise Locks

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Sectional Trim Only Indicators

The following indicators are available with sectional trim only and have different features and options than the indicators found on pages 32-36. To order the following sectional indicators with locksets, specify option codes 49- or 50-.

49- Option Visual Status Indicator for Non Secure Applications

Inside Only

- Designed to work with Classroom security functions
- Red/White indicator plate standard
- Mounts on inside of door
- Functions and Roses available:
  – 30, 36 & 37 Functions with 7800, 8200 and R8200 locks, CR, L, LN, TR, E & O Roses
  – 26, 29, 38, 39, 40 and 41 Functions with 7800, 8200, and R8200 locks & LN Roses Only
- As retrofit, order 185C x finish

185C

49- Option Occupancy Indicator with Emergency Release

- Ideal for restrooms or conference rooms where easy determination of use needs to be made
- OCC/VAC indicator plate standard
- Mounts on outside of door
- Emergency coin operated release standard
- Functions and Roses available:
  – 65, 66, 68 Functions with 7800, 8200, and R8200 locks, CR, E, L, LN, O & TR Roses
- As retrofit, order 185P x finish

185P

50- Option Secured Indicator Rose

- Non-handed with lever and mounting posts field reversible
- VAC/OCC indicator plate standard
- Mounts on outside of door
- Available for the following functions: 24, 25, 26, 28, 29, 30, 36, 37, 38, 39, 40, 41, 43, 45, 50, 51, 52, 57, 58, 67 - with Rose Trim only
- Patent pending design
- Not available with Roseless trim (R8200)
- For retrofit, order 185S x suffix x finish:

Suffix	Door Thickness
-1	1-3/8" (35mm)
-2	1-3/4" (44mm)
-3	2" (51mm)
-4	2-1/4" (57mm)

Note: For 49- and 50- Options, key will not retract latch when used with 37 and 38 functions

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Thumbturn Designs

8200/R8200/7800 Series Mortise Locks

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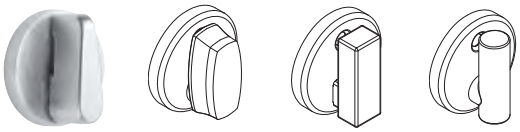
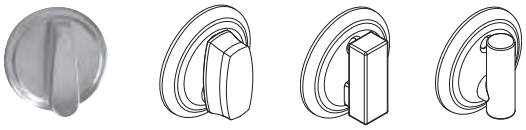
130KB Round Backplate
(Shown with Standard Turn)



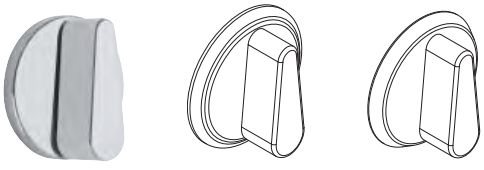
- Round backplate supplied standard with L, O, LN roses and R8200 roseless trim
- Standard turn automatically supplied with sectional trim for R8200 & 8200 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-1/2" (38mm) round brass or stainless steel plate
- Meets ADA Requirements

130KT Traditional Backplate
(Shown with Standard Turn)



- Dual radii edge backplate supplied standard with TO and TR roses
- Standard turn automatically supplied with sectional trim for R8200 & 8200 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-3/4" (44mm) round brass plate
- Meets ADA Requirements

130LB Large Round Backplate
(Shown with Large ADA Turn)

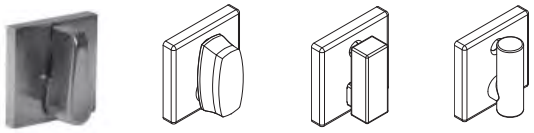


- Available with R8200 & 8200 with sectional trim
- 40% larger than standard thumbturn
- Specify LB as an option for ADA turn
- 2" (51mm) round brass, zinc, or stainless steel plate & turn
- 130LT - Traditional backplate, 130LC — Contemporary backplate
- Meets ADA Requirements

126 T-Turn
(7892 function only)

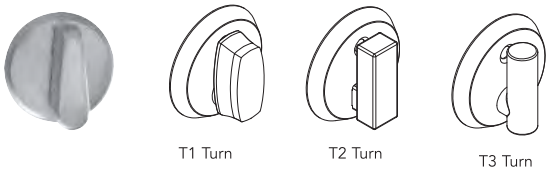
- 2-3/16" (56mm) round stainless steel backplate
- 2-3/8" (61mm) tall thumbturn
- Available in brass or bronze finishes only
- Surface mounted with three screws
- Order as "SST" trim with 7892 function

130KA Square Backplate
(Shown with Standard Turn)



- Square backplate supplied standard with E, E2, E3 or E4 roses
- Standard turn automatically supplied with sectional trim for R8200 & 8200 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-1/2" (38mm) round brass or stainless steel plate
- Meets ADA Requirements

130KC Contemporary Backplate
(Shown with Standard Turn)



- Beveled edge backplate supplied standard with CO and CR roses
- Standard turn automatically supplied with sectional trim for R8200 & 8200 locks
- Specify T1, T2 or T3 as an option for decorative turns
- 1-3/4" (44mm) round brass or stainless steel plate
- Meets ADA Requirements

130KBHA Turn for use with 8200 Mortise BHW, ALP, BHL and BHD Trim

- 3-3/4" x 2-1/2" rectangular shape
- Stainless steel housing
- Meets ADA and OMH Requirements

130W Round Backplate
(Shown with Standard Turn)

- Used with 7800 with sectional trim
- 1-1/2" (38mm) round brass or stainless steel plate

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Emergency Releases & Accessories

8200/R8200/7800 Series Mortise Locks

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Emergency Releases

184KB Emergency Release (used with R8200 & 8200 with sectional trim)

- 1-1/2" (38mm) round brass, bronze or stainless steel plate
- For 65, 66 and 68 functions only

Studio Collection Emergency

- 184KC Emergency Release Contemporary
- 184KT Emergency Release – Traditional

184W Emergency Release (used with 7800 with sectional trim)

- 1-1/2" (38mm) round brass, bronze or stainless steel plate
- For 65, 66 and 68 functions only

184KA Emergency Release (used with E rose)

- 1-1/2" (38mm) square brass, bronze or stainless steel plate
- For 65, 66 and 68 functions only

Emergency Key 14-0057

- Carbon steel
- For 65, 66 and 68 functions only
- Must be ordered separately

184KBHA Emergency Release (used with BHW, ALP, BHL and BHD trim)

- 3-3/4" x 2-1/2" rectangular shape
- Stainless steel housing
- Meets ADA and OMH Requirements

Accessories

130KBCVR Cap

- Thumbturn plate
- Covers hole in door when thumb turn is no longer needed

82-4023 Cap

- 2" round
- Covers hole for levers and roses

Door Thickness	Part Number
1-3/8"	82-4022
1-3/4"	82-4023
2"	82-4024
2-1/4"	82-4025

Trim One Side Kit

Refer to page 51 for a complete list of kits

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Cylinders

8200/R8200/7800 Series Mortise Locks

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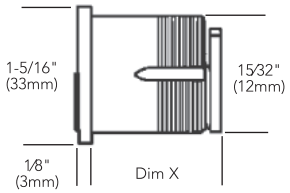
Cylinder Lengths (Dim X)

Cylinder No.	41	42	43	44	46	48	50	52	54	56
Dim X Length Under Cylinder Head	1-1/8" (29mm)	1-1/4" (32mm)	1-3/8" (35mm)	1-1/2" (38mm)	1-3/4" (44mm)	2" (51mm)	2-1/4" (57mm)	2-1/2" (64mm)	2-3/4" (70mm)	3" (76mm)

40 Series Type Cylinder

- Cylinder body: Solid brass
- Cap: Brass, bronze or stainless steel
- All functions take a Standard Cam Functions
- Standard Cam 13-0664
- 16 & 92 Inside Cam -105
- 50 Hotel Cam -115 supplied standard with all Hotel Function Cylinders



7850/8250 Function Hotel Cylinder

- When door is locked by deadbolt, only emergency key is able to unlock
- Must request emergency key separately (7268EMX x reg #)
- Supplied with Cam suffix -115 for Hotel Functions

78- Option Exposed Barrel

- Standard for use only with SARGENT Escutcheon Trims KE3, KE4, LE3, LE4
- Available 6-Pin standard or 7-Pin optional
- NOT available with 50-, 60-, 70- or other specialty or higher security options
- See function table for cam required
- Not available in 50 function
- Plug finishes: 4, 15 (similar to 26 finish)

124 Series Mortise Cylinder Turn Lever

- Turn lever: Brass, bronze or aluminum
- Cap: Brass, bronze or stainless steel
- Must be ordered separately

10- Option Signature Series

- The protected system offers the building owner full control over duplication of keys. Highly pick-resistant cylinders
- 10-63- Option — Signature cylinder with Large Format Interchangeable Cores

F1-82- and 82- Option KESO

- The system offers the building owner full control over duplication of keys
- Highly pick-resistant cylinders
- Expanded levels of masterkeying
- F1-83- & 83- Option — Keso removable core
- 84- Option — Keso construction core cylinder

11- Option XC Key System

- Patented system works with existing SARGENT keyway adding increased security
- 11- XC standard cylinder
- 11-63- Large format interchangeable core
- 11-73- Small format interchangeable core

DG1, DG2, DG3 - Degree Series

- Utility patented, bump resistant and requires the use of a patented key
- All three locking mechanisms within the same system to be operated with just one key
- See Degree Key System Catalog for available options

Not all cylinder series offered in sizes listed above, for complete cylinder information, see Cylinders & Components, Degree, Signature, Keso, Keso F1 or XC catalogs.

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Cylinders & Rosettes

8200/R8200/7800 Series Mortise Locks

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51- Option Old Style Removable Core

- Available for **existing systems only** Permanent Removable Cores
- Control key used to remove core, must request control key separately

60- or 70- Option Plastic Construction Core

- For doors that do not require key locking during the construction period
- Operate with coin or flat screw driver
- For use with LFIC (removable) (60- Option) or SFIC (70- Option) core

63- Option Large Format Interchangeable (Removable) Core

- Allows immediate removal of the core. Virtually unlimited key changes
- Available 10-63-, 11-60-, 11-63- & 11-64-
- For disposable core, see 60- Option
- 64- Option- LFIC 6-Pin construction core
- Control key used to remove core, must request control key separately

7300B Interchangeable Core

- Small Format Interchangeable Core (SFIC)
- SARGENT Interchangeable Core cylinders and MasterKey Systems are available for increased security through quick change of keying. It is unnecessary to remove a cylinder
- SARGENT 7300B Interchangeable Cores are available in SARGENT 4A and 4B keyways, as well as the following standard competitor keyways: A, B, C, D, E, F, G, H, J, K, L, M
- For disposable core, see 70- Option
- 65-73 Option — 6-Pin SFIC uncombinated
- 65-73-7P Option — 7-Pin SFIC - uncombinated
- 70- Option — Disposable SFIC
- 72- Option — Construction SFIC
- 11-72- Construction core provided for use with 11-7300 cylinder housing
  11-70- temporary plastic core prepared to accept 11-7300 core
- 73- Option — 6-Pin SFIC, SARGENT 4A, 4B keyways
- 73-7P Option — 7-Pin SFIC, SARGENT 4A, 4B keyways
- Control key used to remove core (ordered separately)

1SB Cylinder Collar

- Standard for 7800 BHD, 8200 BHL & BHW mortise locks
- Stainless steel
- 1-29/32" diameter
- Available in 4 sizes
- Projection from door:
  1SB-1 5/16" (8mm)
  1SB-2 7/16" (11mm)
  1SB-3 9/16" (14mm)
  1SB-4 11/16" (16mm)
- Finishes: 32, 32D

21- Option Lost Ball Construction System

- The SARGENT construction keying system protects the building owner by providing temporary masterkeying during the construction period

1KB Rosette with 8200 & R8200 sectional trim

- Used with mortise cylinders and No. 90 blocking rings when cylinders project from door
- Furnished standard with L, O, LN, CO, CR, TO and TR roses
- Brass, bronze or stainless steel
- 1-1/2" (38mm) diameter, includes compression spring
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP, WSP
- Projection from door:
  1KB-1 5/16" (8mm) — Standard
  1KB-2 7/16" (11mm)
  1KB-3 9/16" (14mm)
  1KB-4 11/16" (16mm)

IKA Rosette with 8200 sectional trim

- Used with mortise cylinders
- Furnished standard with the E, E2, E3 and E4 roses
- Brass, bronze or stainless steel
- 1-1/2" (38mm) Square, includes compression spring
- Projection from door:
  1KA-1 5/16" (8mm) — Standard
  1KA-2 7/16" (11mm)
  1KA-3 9/16" (14mm)
  1KA-4 11/16" (16mm)
  1KB-4 11/16" (16mm)
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP, WSP

No. 97 Rosette

- Standard for cylinders ordered separately from hardware
- Standard for 7800 knob mortise & 4870 deadbolt
- Brass, bronze or stainless steel
- 1-11/16" diameter (43mm), 9/32" (7mm) projection, includes compression spring
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 32, 32D, BSP, WSP

No. 90 Blocking Ring

- Used with 1KB rosettes as spacer when mortise cylinder projects from face of door
- Brass, bronze or stainless steel
- Finishes: 3, 4, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP, WSP

1KB-5 Cylinder Retaining Cap

- Required for double cylinder functions on KS and LS Escutcheon *only*
- Steel or stainless steel
- 1-15/32" (37mm) diameter
- 9/16" (14mm) projection
- Finishes: 3, 4, 9, 10, 10B, 10BE, 10BL, 20D, 26, 26D, 32, 32D, BSP, WSP

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Rosette Requirements & Cams

8200/R8200/7800 Series Mortise Locks

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Single Cylinder

Sectional Trim (CO, CR, L, LN, O, PT, SL, SN, TO, TR)

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KB-2	1KB-1	1KB-1	N/A
42	1KB-3	1KB-2	1KB-2	1KB-1
43	1KB-4	1KB-3	1KB-3	1KB-3

Sectional Trim (E, E2, E3, E4)

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KA-2	1KA-1	1KA-1	N/A
42	1KA-3	1KA-2	1KA-2	1KA-1
43	1KA-4	1KA-3	1KA-3	1KA-3

Escutcheon Trim (CE, KE1, KE2, KW1, LE1, LE2, LW1, TE)

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KB-1	Cylinder Only	Cylinder Only	Cylinder Only
42	1KB-2	1KB-1	Cylinder Only	Cylinder Only
43	1KB-3	1KB-1	1KB-1	Cylinder Only

Escutcheon Trim (WT)

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	97	Cylinder Only	Cylinder Only	Cylinder Only
42	1SB-2	97	Cylinder Only	Cylinder Only
43	1SB-3	97	97	Cylinder Only

Specialty Hardware (BHW, BHL, BHD, ALP)

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1SB-2	1SB-1	1SB-1	N/A
42	1SB-3	1SB-2	1SB-2	1SB-1
43	1SB-4	1SB-3	1SB-3	1SB-3

Sectional and Escutcheon Trim with V Series Indicators

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	Cylinder Only	Cylinder Only	N/A	N/A
42	1KB-1	Cylinder Only	Cylinder Only	N/A
43	1KB-2	1KB-1	Cylinder Only	Cylinder Only

Double Cylinder

Sectional Trim (CO, CR, L, LN, O, PT, SL, SN, TO, TR)

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KB-3	1KB-2	1KB-1	N/A
42	1KB-4	1KB-3	1KB-2	1KB-1
43	97-0352	1KB-4	1KB-3	1KB-2

Sectional Trim (E, E2, E3, E4)

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KA-3	1KA-2	1KA-1	N/A
42	1KA-4	1KA-3	1KA-2	1KA-1
43		1KA-4	1KA-3	1KA-2

Escutcheon Trim (CE, KE1, KE2, KW1, LE1, LE2, LW1, TE)

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KB-2	90 1/8	Cylinder Only	Cylinder Only
42	1KB-3	1KB-2	1KB-1	Cylinder Only
43	1KB-4	1KB-3	1KB-2	90 1/8

Escutcheon Trim (WT)

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1SB-2	97	Cylinder Only	Cylinder Only
42	1SB-3	1SB-2	97	Cylinder Only
43	1SB-4	1SB-2	1SB-2	97

Specialty Hardware (BHW, BHL, BHD, ALP)

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1SB-3	1SB-2	1SB-1	N/A
42	1SB-4	1SB-3	1SB-2	1SB-1
43	1SB-4	1SB-4	1SB-3	1SB-2

Cylinder Size	Door Thickness			
	1-3/8"	1-3/4"	2"	2-1/4"
41	1KB-1	Cylinder Only	N/A	N/A
42	1KB-1	1KB-1	Cylinder Only	N/A
43	1KB-2	1KB-1	1KB-1	Cylinder Only

Cylinder Cams For Mortise Locks

SARGENT Conventional Cylinders

- Standard

Std Cam
(13-0664)
for all functions except for 50 and the Inside cam for 16 & 92 function locks

-105 Cam
(13-0665)
16 & 92 Function Inside Cylinder Cam

-115 Cam
(13-2045)
50 Function Hotel Cam, supplied with 50 function cylinders

SARGENT Large Format Interchangeable Core Cylinders

- 6300 Cams are factory installed and are not removable
- 6300 Cams are not sold separately
- Specify required Cam as a suffix: 63-44-105 cam
- For Standard Cam: no suffix is required

Std 6300 Cam
for all functions except for 50 and the Inside cam for 16 & 92 function locks

-105 Cam
for 6300 Series 16 & 92 function I/S Cylinder

-115 Cam
for 6300 Series 50 (Hotel) function, supplied with 50 function cylinders

See Cylinder catalogs for additional information

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Strikes & Fronts

8200/R8200/7800 Series Mortise Locks

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- Curved lip strikes: Brass, bronze or stainless steel
- 877 Open back strike: Brass plated
- To order strikes separately, specify strike part number and finish. Will be furnished with machine screws
- Order strike box 77-1141 separately
- All locks are packed standard with a universal non-handed curved lip ANSI 4-7/8" (124mm) strike
- Specify part number when ordering with complete lock
- Open back strike not available for deadbolt functions

Curved Lip Strike

Door Thickness	Part No.	Lip Length
1-3/8" – 1-1/2" (35mm - 38mm)	82-0109	1-1/8" (29mm)
1-5/8" – 1-3/4" (41mm – 44mm)	**82-0110 Standard**	**1-1/4" (32mm)**
1-7/8" – 2" (48mm – 51mm)	82-0111	1-3/8" (35mm)
2-1/8" – 2-1/2" (54mm – 64mm)	82-0112	1-5/8" (41mm)
2-5/8" – 3" (67mm – 76mm)	82-0113	1-7/8" (48mm)
3-1/8" – 3-1/2" (79mm – 89mm)	82-0114	2-1/8" (54mm)
3-3/8" – 4" (86mm – 101mm)	82-0115	2-3/8" (61mm)
4-1/8" – 4-1/2" (105mm – 114mm)	82-0116	2-5/8" (67mm)
4-5/8" – 5" (117mm – 127mm)	82-0117	2-7/8" (73mm)

Strike screw: 01-1019 x finish

877 Open Back Strike

- **Strike handed by active leaf**

Door Thickness	Part No. RHRB	Part No. LHRB
1-3/4" (44mm)	82-0332	82-0333
2" (51mm)	82-0334	82-0335
2-1/4" (57mm)	82-0336	82-0337
2-1/2" (64mm)	82-0338	82-0339
2-3/4" (70mm)	82-0340	82-0341
3" (76mm)	82-0342	82-0343

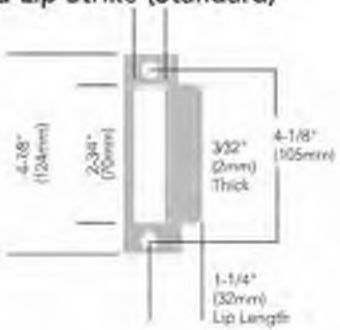
Outside Front Plate

(for 1- options fronts, consult factory)

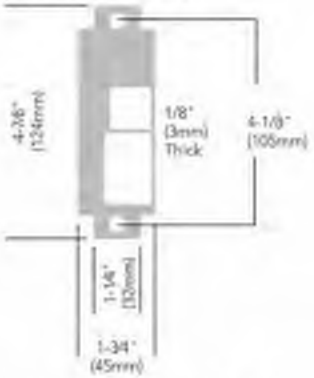
Standard 1-1/4" (32mm)	Functions
82-0080	15, 65
82-0081	04, 05, 06, 13, 16, 17, 31, 36, 37, 38, 56, 57, 58, 59, 67
82-0082	03, 20, 21, 22, 23, 28, 29, 30
82-0083	24, 25, 26, 27, 35, 39, 49 66, 68
82-0084	40, 41, 50, 51, 52
82-0086	45, 46, 47, 48
82-0087	43
82-0088	89, 90, 91, 92
82-0578	70, 71, 72, 73, 78, 79
82-0549	76, 77
82-0627	95, 96, 97
82-0085	55

Outside front screws: 01-1028 x finish

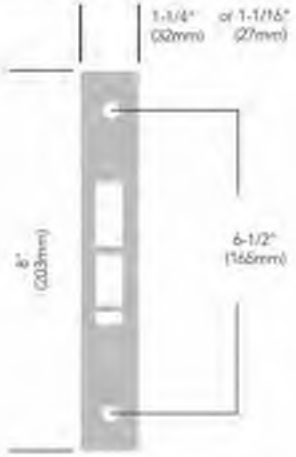
Curved Lip Strike (Standard)



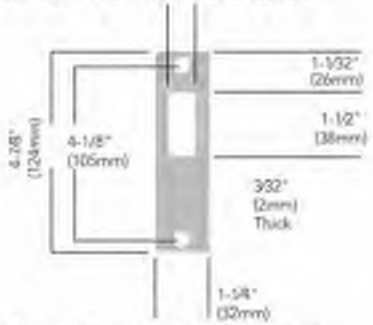
877 Open Back Strike



Outside Front Plate



78-0034 Deadbolt Strike



- Provided standard with deadlock functions 03, 20, 21, 22, 23, 28, 29, 30

77-1141 Wrought Box Strike

- For both curved and flat lip strikes
- Optional: Specify WBS- when ordering with lock
- If ordering separately, use part # 77-1141

No. 677 Rabbeted Door Kits

677 Kit adapts 7800/8200 locks for rabbeted doors consists of rabbeted strip and strike. standard for 1-3/4" to 2" doors.

Specify 2-677 for 2-1/4" thick doors. Hardware finished.

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ADA and Handicap Warning

8200/R8200/7800 Series Mortise Locks

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ADA and Handicap Warning

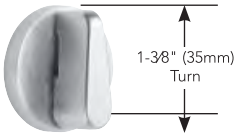
Lever Return to Door

- Lever designs J, L and P
- Lever returns within 1/2" (13mm) of door face or less
- Meets ADA Compliance for national codes

Tactile Handicapped Warning

- Abrasive Coating:
  Options 85-, 86- & 87-
  – Complete lever abrasive coated
- Milled 1/16" Grooves:
  Options 75-, 76- & 77-
  – B, E, J, L, P and W Levers — Grooves on backside surface of lever
  – F Lever — Grooves on top and bottom surface of lever

Standard Thumbturn



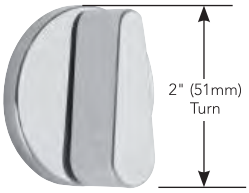
- Meets ADA Compliance for national codes
- Order as: 130KB, 130KC, 130KT, 130W or 130KA x finish

See page 38 for design

Tactile Handicapped Warning

- Knurled B & C Knobs available ; options 75-, 76-, & 77-
- Knobs are NOT ADA compliant

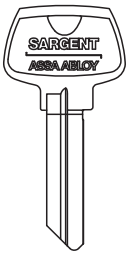
LB - Thumbturn



- Meets the tougher local ADA requirements
- 40% larger than standard thumb turn
- Order as: 130LB, 130LC or 130 LT x finish

See page 38 for design

Keys



- Large key bows are available in Sargent C family of keyways
- Standard key bows can have attachments added to increase the grip area
- Keys are NOT ADA compliant

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Mechanical Options

8200/R8200/7800 Series Mortise Locks

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Mechanical Options:

Available mechanical options by lock type

Categories	How to Specify	Detailed Description	8200	R8200	7800
1-3/8" Door	1-	1-1/16" (27mm) wide front for 1-3/8" (35mm) doors (not available with RX-Option) (1- for 93 + 94 function is a special order)	X	—	X
Add Strength	3-	Stainless steel hubs with in the mortise lock	X	—	—
Strike Option	23-	4-7/8" (124mm) ANSI flat lip strike	X	X	X
	OBS-	Open back strike	X	X	X
	WBS-	Wrought box strike	X	X	X
Thick Doors	31-	For doors 1-7/8" (48mm) to 2-1/4" (57mm) thick — see cylinder options for limitations on door thickness. When ordering the following information is required: Location of lock within the door, door thickness -IF PANELED -must specify panel thickness & panel location (inside or outside of the door) For doors thicker than 2-1/4" — consult factory.	X	X	X
Security Fasteners	36-	6 Lobe head security screws (Torx® type)	X	—	X
	37-	Spanner head security screw (not available with Studio levers)	X	—	X
Visual Indicators	49-	Visual Status Indicator or Occupancy indicator with emergency release (not available with escutcheon trim)	X	X	X
	50-	Secured indicator rose (available with rose trim only)	X	—	X
	V10	Single Indicator Outside - Unlocked/Locked - Green/Red	X	—	X
	V20	Single Indicator Outside - Vacant/Occupied - Green/Red	X	—	X
	V30	Single Indicator Outside - Icons Only - Green/Red	X	—	X
	V40	Single Indicator Outside - Unlocked/Locked - White/Red	X	—	X
	V50	Single Indicator Outside - Vacant/Occupied - White/Red	X	—	X
	V60	Single Indicator Outside - Icons Only - White/Red	X	—	X
	V01	Single Indicator Inside - Unlocked/Locked - Green/Red	X	—	X
	V03	Single Indicator Inside - Icons Only - Green/Red	X	—	X
	V04	Single Indicator Inside - Unlocked/Locked - White/Red	X	—	X
	V06	Single Indicator Inside - Icons Only - White//Red	X	—	X
	V11	Double Indicator - Unlocked/Locked - Green/Red (Outside) Unlocked/Locked - Green/Red (Inside)	X	—	X
	V21	Double Indicator - Vacant/Occupied - Green/Red (Outside) Unlocked/Locked - Green/Red (Inside)	X	—	X
	V33	Double Indicator - Icons Only - Green/Red (Outside) Icons Only - Green/Red (Inside)	X	—	X
	V44	Double Indicator - Unlocked/Locked - White/Red (Outside) Unlocked/Locked - White/Red (Inside)	X	—	X
	V54	Double Indicator - Vacant/Occupied - White/Red (Outside) Unlocked/Locked - White/Red (Inside)	X	—	X
	V66	Double Indicator - Icons Only - White/Red (Outside) Icons Only - White/Red (Inside)	X	—	X
	EMA	Outside Engraving with "Lock" and Directional Arrow	X	—	X
	EMB	Inside Engraving with "Lock" and Directional Arrow	X	—	X
	EMC	Engraving Both Sides with "Lock" and Directional Arrow	X	—	X
Electrical Options	DX-	Deadbolt monitoring — Monitor deadbolt position (not available with LX-)	X	X	X
	LX-	Latchbolt monitor — Monitors latchbolt position (not available with deadbolt functions)	X	X	X
	RX-**	Request to Exit — Monitors each lever independently (not available with LB-option)	X	X	X
	TL-	SARGuide illuminated inside WT trim with the word EXIT illuminated (4-1/2" pocket depth required)	X	—	—

* Available on 15, 26D, and 32D Finishes only

** Not available in combination

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Mechanical Options

8200/R8200/7800 Series Mortise Locks

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Categories	How to Specify	Detailed Description	8200	R8200	7800
Lever/Knob Combination	68-	8200 Lock furnished w/lever handle outside x knob inside (not available with the AV-Option or FE Trim)	X	—	—
	69-	8200 Lock furnished w/lever handle inside x knob outside (not available with the AV-Option or FE Trim)	X	—	—
Lead Lining	74-[2]	Lead lining or wrapping available with sectional trim only (not available with DX-or LX-Options)	X	—	X
Tactile Warnings	75-	Tactile Warning — Milled levers or knurled knobs. Inside trim only (not available with Studio & Coastal levers, the A lever & K, N & D knobs)	X	—	X
	76-	Tactile Warning — Milled levers or knurled knobs. Outside trim only (not available with Studio & Coastal levers, the A lever & K, N & D knobs)	X	—	X
	77-	Tactile Warning — Milled levers or knurled knobs. Inside & outside trim (not available with Studio & Coastal levers, the A lever & K, N & D knobs)	X	—	X
	85-[3]	Tactile Warning — Abrasive coating inside trim only (not available with D knobs)	X	X	X
	86-[3]	Tactile Warning — Abrasive coating outside trim only (not available with D knobs)	X	X	X
	87-[3]	Tactile Warning — Abrasive coating inside & outside trim (not available with D knobs)	X	X	X
Anti-Vandal Trim	AV-	Anti-Vandal pull trim (not available with LS & FE trim and Options 1-, 31-, 49-, 50-, 68-, 69-, 76-, 77-, 86-, 87-, DX-or SG-)	X	—	X
Finish Protection	CPC-	Clear Powder Coat (available for 32 & 32D finishes)	X	X	X
	SG-[1]	MicroShield® antimicrobial clear powder coat	X	X	X
Thumbturns (See page 38)	LB-	ADA Extra large thumbturn; backplate matches rose design chosen	X	X	X
	T1-	Decorative thumbturn; backplate matches rose design chosen	X	X	—
	T2-	Decorative square thumbturn; backplate matches rose design chosen	X	X	—
	T3-	Decorative cylinder thumbturn; backplate matches rose design chosen	X	X	—

1 Available on 15, 26D, and 32D Finishes only
2 Not available in combination
3 Entire lever surface provided with abrasive coating

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Cylinder Options

8200/R8200/7800 Series Mortise Locks

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Cylinder Options:

Categories	How to Specify	Detailed Description	Cylinder Sizes Available
Conventional Cylinder		SARGENT Conventional Cylinders supplied standard	41-44,46,48,50,52,54,56
Degree Key System	**DG1-**	SARGENT Degree Key System Level 1 (bump resistant with patented keys)	41-44, 46
	DG1-21-*	Degree Level 1 Construction Master Keying	41-44, 46
	DG1-60-	Degree Level 1 Removable Disposable Construction Core	41-44, 46
	DG1-63-	Degree Level 1 Removable Core	41-44, 46
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC	41-44, 46
	DG1-65-*	Degree Level 1 Unassembled/Uncombined Core	41-44, 46
	DG1-78-*	Degree Level 1 Exposed Plug (for use with LE3/LE4 escutcheons only)	41-43
	DG2-*+	SARGENT Degree Key System Level 2 (geographically exclusive; bump and pick resistant)	41-44, 46
	DG2-21-*	Degree Level 2 Construction Master Keying	41-44, 46
	DG2-60-*	Degree Level 2 Removable Disposable Construction Core	41-44, 46
	DG2-63-*	Degree Level 2 Removable Core	41-44, 46
	DG2-64-*	Degree Level 2 Removable Construction Keyed LFIC	41-44, 46
	DG2-65-*	Degree Level 2 Unassembled/Uncombined Core	41-44, 46
	DG3-*+	SARGENT Degree Key System Level 3 (geographically exclusive; UL437 certified; bump and pick resistant)	41-44, 46
	DG3-21-*	Degree Level 3 Construction Master Keying	41-44, 46
	DG3-60-*	Degree Level 3 Removable Disposable Construction Core	41-44, 46
	DG3-63-*	Degree Level 3 Removable Core	41-44, 46
	DG3-64-*	Degree Level 3 Removable Construction Keyed LFIC	41-44, 46
Signature Key System	**10-***	SARGENT Signature Key System (not available with other key systems)	41-44,46,48,50,52,54,56
	10-21-*	SARGENT Signature Construction Key System (Lost Ball)	41-44,46,48,50,52,54,56
Signature Large Format Interchangeable Core (Removable Core)	**10-63-***	SARGENT Signature LFIC (removable) Core Cylinder	42, 43, 44 & 46
XC- Key System	**11-***	XC Key System (not available with other key systems, unless specified)	41-44,46,48,50,52,54,56
	11-21-*	XC- Construction Key System (Lost Ball)	41-44,46,48,50,52,54,56
XC- Large Format Interchangeable Core (Removable Core)	**11-60-***	Hardware to accept XC- Permanent LFIC (removable core), disposable plastic core provided	42, 43, 44 & 46
	11-63-*	Hardware provided with XC- LFIC (removable core) cylinder — (Includes masterkeying, grand masterkeying)	42, 43, 44 & 46
	11-64-*	Hardware provided with keyed construction core to accept XC- LFIC (removable) permanent core ordered separately	42, 43, 44 & 46
XC- Small Format Interchangeable Cores	**11-70-7P-***	Hardware to accept XC- SFIC (7-Pin) XC- permanent cores, disposable plastic core provided	43 & 46
	11-72-7P-*	Hardware to accept XC- SFIC (7-Pin keyed construction core provided) cylinder permanent core ordered separately	43 & 46
	11-73-7P-*	Hardware provided with XC- Small format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)	43 & 46
	11-65-73-7P-*	Hardware provided to accept XC- Uncombinated 7-Pin SFIC (permanent) core — (packed loose)	43 & 46
Construction Key System	**21-***	SARGENT Lost Ball Construction keying for conventional, XC and Signature Series (N/A with 63- or 73-)	—
	22-*	SARGENT Construction Split Key System for conventional cylinders (existing systems only) (N/A with 10-, 11-, 63- or 73-)	—
Old Style Removable Core	**51-***	Removable core cylinder (Old style) provided (existing systems only)	142,143,144,146
	52-*	Removable construction core (Old style) permanent core ordered separately (existing systems only)	142,143,144,146

* Options not available with 50 function lockout cylinder

\+ Not available with R8200 Series

Note: Interchangeable core and removable core cylinders do not meet Security Grade 1 requirements

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Cylinder Options

8200/R8200/7800 Series Mortise Locks

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Cylinder Options:

Categories	How to Specify	Detailed Description	Cylinder Sizes Available
Large Format Interchangeable Core	**60-**	Hardware to accept SARGENT permanent LFIC (removable core), disposable plastic core provided (permanent cores ordered separately)	42, 43, 44 & 46
	63-	Hardware provided with LFIC (removable core) cylinder - (Includes masterkeying, grand masterkeying)	42, 43, 44 & 46
	64-	Hardware provided with Keyed construction core to accept LFIC (removable) permanent core (ordered separately)	42, 43, 44 & 46
Small Format Interchangeable Cores	**70-***	Hardware to accept 6- or 7-Pin SFIC permanent cores, disposable plastic core provided	43 & 46
	72-*	Hardware to accept 6- or 7-Pin SFIC (keyed construction core provided) cylinder (permanent core ordered separately)	43 & 46
	73-*	Hardware provided with 6-Pin SFIC (Includes masterkeying, grand masterkeying)	43 & 46
	65-73-*	Hardware provided to accept uncombinated 6-Pin SFIC (permanent) core — (packed loose for field keying)	43 & 46
	65-73-7P-*	Hardware provided to accept uncombinated 7-Pin SFIC (permanent) core — (packed loose for field keying)	43 & 46
	73-7P-*	Hardware provided with Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)	43 & 46
Keso & Keso F1	**81-***	Hardware provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores (permanent cores ordered separately)	172-174,176
	82-	Hardware provided with SARGENT Keso security cylinder	71-74,76
	F1-82-	Hardware provided with SARGENT Keso F1 security cylinder (patented)	71-74,76
	83-*	Hardware provided with SARGENT Keso security removable core cylinder	172-174,176
	F1-83-*	Hardware provided with SARGENT Keso F1 security removable core cylinder (patented)	172-174,176
	84-*	Hardware provided with SARGENT Keso construction cores (permanent cores ordered separately)	172-174,176
Additional Security	**BR-**	Bump resistant cylinder (available with conventional & conventional XC cylinders only)	—
Less Cylinder	**LC-**	Less cylinder – SARGENT supplies standard blocking rings for 1-1/8" cylinders (for longer cylinders order collars/rings separately)	—
Schlage Keyways	**SC-*^**	Schlage C keyway cylinder, 0 bitted	#41 Only
	SE-*^	Schlage E keyway cylinder, 0 bitted	#41 Only
Note: For V-10 Cylinders and information contact ASSA			

^ Options not available with Freewheeling Trim

* Options not available with 50 function lockout cylinder

Note: When using Interchangeable Core Cylinders, the ANSI/BHMA Cylinder Grade determines the grade of the lock, even if the lock is certified ANSI/BHMA Grade 1 with a standard cylinder

Cylinder Length	SARGENT Cylinder Sizes	Keso Cylinder Sizes	Keso R/C Cylinder Sizes
1-1/8"	#41	#71	N/A
1-1/4"	#42	#72	#172
1-3/8"	#43	#73	#173
1-1/2"	#44	#74	#174
1-3/4"	#46	#76	#176
2"	#48	N/A	N/A
2-1/4"	#50	N/A	N/A
2-1/2"	#52	N/A	N/A
2-3/4"	#54	N/A	N/A
3"	#56	N/A	N/A

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How To Order, Finishes, Packaging & Security Screw Chart

8200 Series Mortise Locks

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How to Order 8200, R8200 & 7800 Series Mortise Locks

10-	82	71	12VDC	TR	MJ	15	RHR
Options*	**Series**	**Function**	**Voltage**	**Roses/ Escutcheons**	**Trim**	**Finish**	**Hand**
For all available options see Pages 45-48	82 R82 78 Mortise Lock	Pages 19-28 for Details	12VDC 24VDC Must be specified for Functions 70, 71, 72 & 73	Pages 10-13 (With R8200, specify "R" for roseless design)	Levers — Pages 8-12 FW Trim — Page 14, Push/Pull Trim — Page 18, Knobs — Page 15	Page 49	RHR RH LHR LH

* Multiple options can be selected

Finishes

Standard Levers & Knobs	BHW Trim	BHL Trim	BHD Trim	Studio Collection Lever Trim	8200 Coastal Series™ Trim and 8200 Freewheeling Trim	7800 Push/Pull Trim	Description	ANSI/ BHMA
03				03	03	03	Polished brass, clear coated	605
04				04	04	04	Satin brass, clear coated	606
09				09	09	09	Polished bronze, clear coated	611
10				10	10	10	Satin bronze, clear coated	612
10B				10B	10B	10B	Oxidized bronze, oil rubbed	613
10BE				10BE	10BE		Dark oxidized satin bronze, equivalent	(613E)
10BL				10BL	10BL		Oxidized satin, bronze, clear coated	614
14				14	14		Polished nickel, clear coated	618
15 *				15 *	15 *		Satin nickel, clear coated	619
20D				20D	20D		Statuary dark bronze, clear coated	624
26				26	26		Polished chrome	625
26D *				26D *	26D *		Satin chrome	626
32	32	32	32	32		32	Polished stainless steel	629
32D *	32D *	32D *	32D *	32D *		32D *	Satin stainless steel	630
BSP				BSP	BSP		Black suede powder coat	—
WSP				WSP	WSP		White suede powder coat	—

* MicroShield® — optional designate SG- option (Available on 15, 26D, and 32D Finishes only)
Split Finishes — specify outside finish first, then inside finish example: US26D (outside) / US04 (inside)

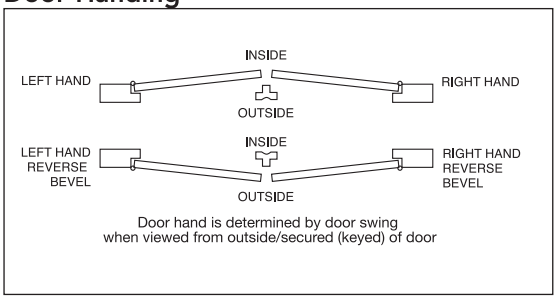
6 Lobe & Spanner Bit packs

Part Number	Descriptions
82-3855	6 Lobe Bit Pack 6 bits
82-3856	(sizes- T8, T9, T10, T15, T20, T25, T27) 9/32" Driver Spanner Bit Pack 5 bits (sizes- 6, 8, 10, 12, 14) 1/4" Driver

Packaging

8205 x LNL	approx. 6.1 lbs. (2.7kg)/box	6 boxes/case
8205 x WTL	approx. 7.2 lbs. (3.1kg)/box	6 boxes/case

Door Handing



Door hand is determined by door swing when viewed from outside/secured (keyed) of door

* Multiple options available
Wrought Box Strike optional — must order with lockset as WBS- option

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How to Order Gramercy Series Levers

8200/R8200/7800 Series Mortise Locks

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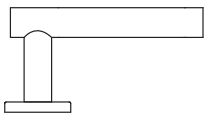
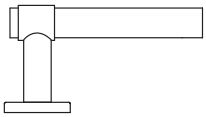
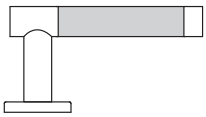
Gramercy Series Levers



REM, RGM



RCM



RAG, RAL, RAM, RAS

Gramercy Finish Codes

ANSI/BHMA Finish	SARGENT Finish	Gramercy Code*	Description
630	32D	30	Satin Stainless Steel
629	32	29	Bright Stainless Steel
613E	10BE	3E	Dark Oxidized Satin Bronze, Equivalent
N/A	BSP	BS	Black Suede Powder Coat
N/A	WSP	WS	White Suede Powder Coat
N/A	N/A	BK	Black (Santoprene™ or leather insert)
N/A	N/A	BN	Brown (leather insert)

*Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

Gramercy Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (AS ORDERED)
RAG	Grooved Insert	3030, 2929, 2930, 3029, 3E3E, BSBS or WSWS
RAL	Leather Insert	30BK30, 30BN30, 29BK30, 29BN30, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSBNBS or WSBNWS
RAM	Satin Metal Insert	2930 only (SEE NOTATION)
RAS	Santoprene Insert	30BK30, 29BK29, 3EBK3E, BSBKBS or WSBKWS
RCM	Raised Band	2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS
REM	Plain	2930, 2929, 3030, 3029, 3E3E, BSBS or WSWS
RGM	Two Grooves	2929, 3030, 3E3E, BSBS or WSWS

Notes for Two-tone finishes:

- 2930 Finish: grip of lever is 32D, balance of lever is 32. Rose/escutcheon and lock finish will be 32
- 3029 Finish: grip of lever is 32, balance of lever is 32D. Rose/escutcheon and lock finish will be 32D

To order Gramercy Series levers with SARGENT products, see the examples below. When specifying finish, use the last two digits of the ANSI/BHMA standard finish code, i.e. use "29" for polished stainless, ANSI/BHMA finish 629

How to Order 8200 Series Mortise Locks with Gramercy Levers

Options	Series	Function	Voltage	Rose/ Escutcheon	Lever	Finish	Hand
Select from pages 45-48	82	Select from pages 19-28	Specified for electrical functions	Select from pages 10-13	Leather insert	Bright stainless steel with brown leather	RHR, RH, LHR, or LH
10-	82	71	12VDC	LN	RAL	29BN29	RH

Gramercy Levers are available with E2, E3, E4, O, CO, TO, LN, CR, TR roses and CE, TE, LE1, VN1 escutcheons

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Multi-Functional Lockbody

8200/R8200/7800 Series Mortise Locks

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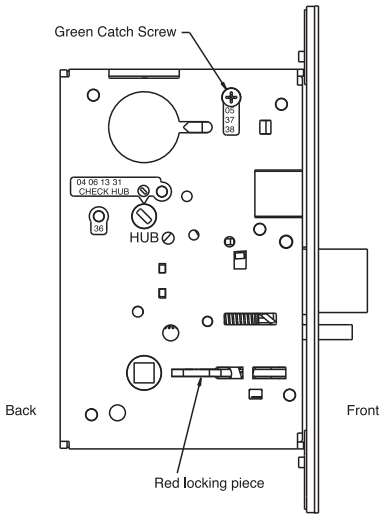
How to Change Lock Function:

The Green Catch Screw must be located in the designated location as specified on the lock case to produce the desired function.

There are three locations: one location for 05, 37 & 38 functions; one location for 04, 06, 13, & 31 functions; and one location for 36 function.

Note: To change to functions 04, 06, 13, & 31, the hub must be at the 45° position as specified on the case before screwing in the green catch screw.



Function & Part Listing for the Multifunction Lockbody

Function	#41 Cylinder	Cyl. Collars	Lever/Knob Requirements	Thumb turn
04 Store Room / Closet (F07)	1	* 1 - 1KB	** Inside Trim Set & *** Outside Trim Set	Not used
05 Office / Entry (F04)	1	* 1 - 1KB	** Inside Trim Set & *** Outside Trim Set	++ 1
06 Store Room / Service	1	* 1 - 1KB	+ Trim One Side Kit, Inside Lever/ Knob & Rose/Escutcheon	Not used
13 Communicating / Exit	Not used	Not used	+ Trim One Side Kit, Inside Lever/ Knob & Rose/Escutcheon	Not used
31 Utility	1	* 1 - 1KB	+ Trim One Side Kit, Inside Lever/ Knob & Rose/Escutcheon	Not used
36 Closet	1	* 1 - 1KB	+ Trim One Side Kit, Inside Lever/ Knob & Rose/Escutcheon	Not used
37 Classroom (F05)	1	* 1 - 1KB	** Inside Trim Set & *** Outside Trim Set	Not used
38 Classroom Security (F32)	2	* 2 - 1KB-2	** Inside Trim Set & *** Outside Trim Set	Not used

***Cylinder Collars:** Noted are based on 1-3/4" Thick Doors with standard #41 size cylinders. Other sized doors and cylinders will required different collar sizes and possibly blocking rings - see chart on page 41 of this catalog for details
****Inside trim sets include:** Inside lever/knob, inside rose or escutcheon, trim pack (spindles, through-bolt screws, set screw, inside adapter plate assembly), trim finish screws (for escutcheons)
*****Outside trim sets include:** Outside lever/knob, outside rose or escutcheon, outside mounting plate, two through-bolt studs, washers, retaining nut, and cylinder rosettes (for cylinder functions only)
+ Trim One-Side Kit includes: adapter assembly, spindle, through-bolt screws and plate adapter assembly. An inside lever is always used with this kit and is used on either side of the door as required
++ Thumb turn: Rose trims use 130KB thumb turn for Levers, and 130W thumb turn for Knobs.
Escutcheon trims require escutcheon to be ordered according to function/design, to receive thumb turn affixed to it

Type of Rose/Escutcheon		Kit Part Number
Trim One Side Kit	**E, O, KW, LN & LW1** (Standard trim only — not for use with Studio levers)	**82-3208**
Trim One Side Kit	**KE & LE (1 & 3)** (Standard trim only — not for use with Studio levers)	**82-3209**
Trim One Side Kit	**L Rose & WT**	**82-3210**
Trim One Side Kit	**Blank Rose (1-3/4" door)**	**82-4023**

Note: 8200/R8200/7800 Series Mortise Locks are certified for all functions including electrical functions and trims without exceptions.

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Architectural Specifications

8200/R8200/7800 Series Mortise Locks

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2.1 Heavy Duty Mortise Locks

A. Heavy duty mortise locks shall be 8200/R8200/7800 Series as manufactured by SARGENT Manufacturing Company, New Haven, CT.
B. Locks shall meet or exceed the requirements of ANSI/BHMA A156.13 Series 1000, Operational Grade 1, and Security Grade 1 with all standard trims.
C. Locks shall be easily re-handed without opening the lockbody.
D. Locks shall comply with UL 10C positive pressure requirements.
E. Locks required for fire doors shall be listed by Underwriters Laboratories for ratings of A label (3 hours) and less, for doors up to 4'0" (1.2m) x 10' 0" (3.05m) and pairs of doors 8'0" (2.4m) x 10'0" (3.05m).
F. Construction:
   1. Lock functions shall be manufactured in a single-sized case formed from 12 gauge steel minimum.
   2. Lock cases shall be closed on all sides and back.
   3. Locks shall have field adjustable, beveled, armored front, with a .125 inch (3mm) thickness minimum.
   4. Locks shall have a one piece, 3/4" inch (19mm) throw anti-friction stainless steel latch.
   5. Deadbolts, where specified, shall be full one inch (25mm) throw made of one-piece hardened stainless steel.
   6. Where required by the Federal Bureau of Prisons, locks can be furnished optionally with stainless steel hubs.
G. Locks shall have a 2-3/4" (70mm) backset, standard.
H. Strikes shall be non-handed with a curved lip.
I. To ensure proper alignment, trim, knobs or levers, shall be through-bolted and fully interchangeable between rose and escutcheon.
J. Locks shall have brass 6-Pin cylinder, standard.
K. Provide status indicators with highly reflective color and wording for "locked/unlocked" or "vacant/occupied" with customer wording options if required. Indicator to be located above the cylinder with the inside thumbturn not blocking the visibility of the indicator status. Indicator window size to be a minimum of 2.1" x 0.6" with a curved design allowing a 180 degree viewing angle with protective covering to prevent tampering.
L. Locks shall have a 10 year limited warranty. 2 year limited warranty on electrified locks.
M. Behavioral Health, Mortise: ANSI/BHMA A156.13, Series 1000, Operational and Security Grade 1 mortise type manufactured to Office of Mental Health (OMH) requirements with behavioral health lever and rose trim or integrated trim. Locksets to be manufactured with a corrosion resistant, formed steel case. Levers and roses are manufactured from stainless steel material. Provide optional lead-lining (lock body), Torx® fasteners, and Antimicrobial coating as specified in Hardware Sets.

2.2 EcoFlex® Electrified Mortise Locks

A. SARGENT 8200/R8200 Electrified Mortise Locks
   1. General: ANSI/BHMA certified extra heavy duty, lever type mortise lock conforming to ANSI/BHMA A156.13 Series 1000, Grade 1 requirements and ANSI A117.1 accessibility guidelines. All functions manufactured in a single sized case formed from a minimum 12 gauge steel. Lockset is field-adjustable for handing without opening the lock body with a beveled armored front that is 0.125" minimum thickness and utilizes a one-piece 3/4" anti-friction stainless steel latchbolt. To insure proper alignment, all trim, shall be thru-bolted and fully interchangeable between rose and escutcheon designs. Lock is UL listed and labeled for use on up to 3 hour fire rated openings.
      a. Backsets: 2-3/4".
      b. Deadbolt: Optional 1" throw made of stainless steel and 2 hardened steel roller inserts.
      c. Strikes: Provide wrought boxes and strikes with proper lip length to protect trim but not to project more than 1/8" beyond trim, frame or inactive leaf. Where required, provide open back strike and protected to allow practical and secure operation.
   2. Provide access control mortise lock series, type and functions where specified in hardware groups, with provisions below:
      a. Emergency override access capability with key cylinder retraction of lock latch bolt without necessary electronic activation.
      b. Inside lever retracts latch and deadbolt simultaneously for free egress.
      c. Refer to "KEYING" specification section for keying system requirements.
      d. Lever and finish to match corresponding mechanical locking hardware.
   3. Locking and unlocking of the lever handle by electronic operation contained completely within the body of the mortise lock.
      a. Field configurable Fail Safe /Fail Secure by means of an external DIP switch setting.
      b. Operationally voltage-insensitive 12 to 24 VDC.
      c. Energy Performance: Maximum standby current required for functional operation not to exceed 50 mA at 24 VDC limiting potential inductive kickback or the need for external diodes.
      d. Functional locking operation not affected by cable runs greater than 500 feet using a minimum 22 AWG wire.
   4. Monitoring: Optional real time monitoring of latchbolt, deadbolt, door open/closed status and valid egress where specified. Valid egress signaled by activation of the Request-to-Exit (RX) micro switch integral to the inside lever of the lockset on the unsecure side of the door capable of shunting external alarms. Door open/closed status provided by monitoring the deadlatch and latchbolt in series with optional integrated magnetic door position switch.
   5. Perform centralized control of the integrated locking functions by means of a single cable run to the access control panel independent of any proprietary power supplies, interface boards or controllers.
      a. End of line termination points by means of factory pre-wired Molex® connectors and harnesses.
      b. Source power electrical hard wiring and connections by others.
   6. Specified Manufacturer: Sargent Manufacturing (SA) — 8200/R8200 Series.

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Notes

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DH-046-SA_T20

The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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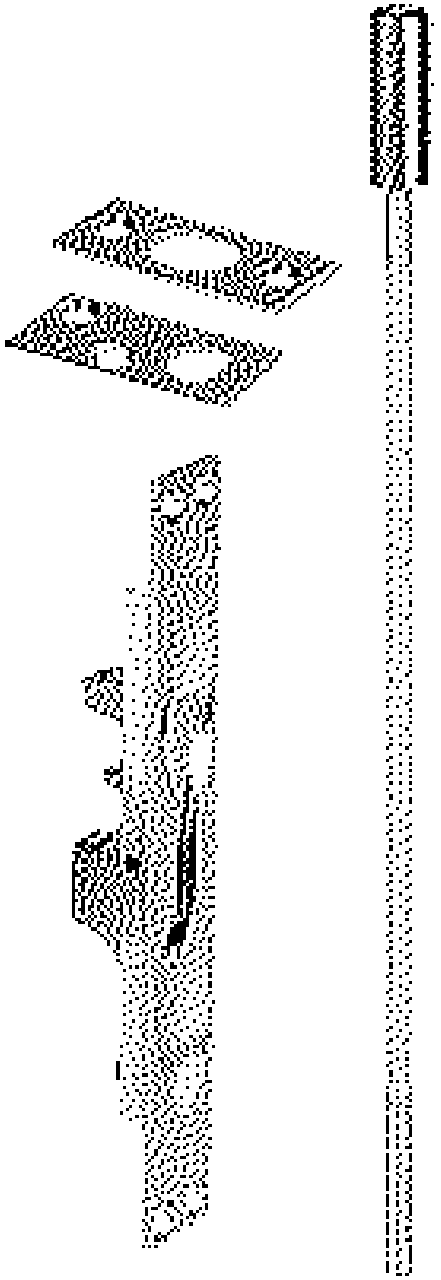
Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-047-TM_T20

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Flush Bolt
Item Type	N/A
Description	Flush Bolt, 2-point latching
Manufacturer	Trimco
Model	3917
Dimensions	1"W x 6-3/4"H
Finish	626
Material Composition	Brass
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	1
Operation	Manual
Best Practices	Recycled content
Quality Standards	ANSI A156.16
Accessibility Compliance	ADA and ANSI A117.1
Accessories	Dustproof Strike Trimco 3910
Warranty	One year.



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Trimco
Contact Name: Customer Service
Phone: 323.262.4191
Email: csr@TrimcoHardware.com

AREAS

Administration
Storage
Indoor Pool

ALTERNATE MANUFACTURER 2	Pool Storage
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

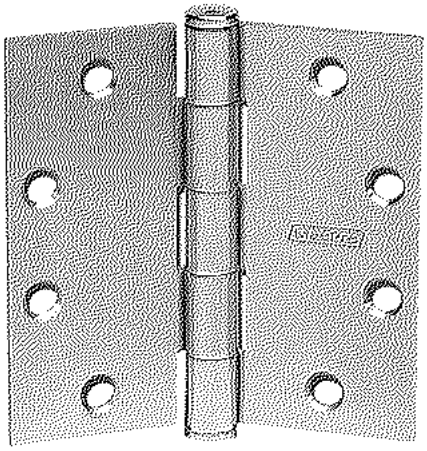
DH-048-MK_T20

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Hinge
Item Type	Five Knuckle Standard Weight Hinge
Description	Five Knuckle Standard Weight Hinge
Manufacturer	Assa Abloy/McKinney
Model	TA2314 4.5" x 45"
Dimensions	4-1/2" x 4-1/2"
Color	Satin Nickel
Finish	US15
CSI #	087100 - Door Hardware
Omniclass #	22 - 087100 - Door Hardware
Quality Standards	ANSI/BHMA 156.1, 156.7
Knuckle	5-Knuckle
Weight	Standard
Lead Time	5-10 Business Days
Warranty	One year limited warranty



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Assa Abloy
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Administration
Storage

Five Knuckle Standard Weight Series

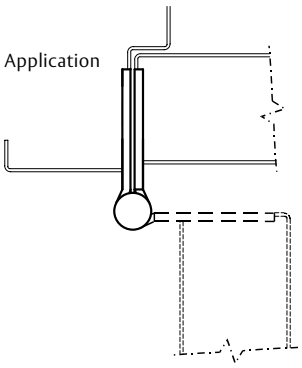
Recommended for standard weight, medium frequency doors, or doors with closing devices.

- Use for common flush door/frame/wall applications
- For Beveled Edge, where doors are beveled on hinge side, specify TA4314 or TA4714
- For available finishes see page 29

TA2314
TA2714

No.	ANSI Cross Reference	Base Material	Weight
TA2314	A5112	Stainless	STD
TA2314	A2112	Brass	STD
TA2714	A8112	Steel	STD

Application



Specifications

Inches	mm	Gauge	No. of Holes	Fasteners	
				Machine	Wood
3 1/2" x 3 1/2"*	88.9 x 88.9	.123	6	1/2 x 10-24	1 x 10
4" x 4"*	101.6 x 101.6	.130	8	1/2 x 12-24	1 1/4 x 12
4 1/2" x 4"	114.3 x 101.6	.134	8	1/2 x 12-24	1 1/4 x 12
4 1/2" x 4 1/2"	114.3 x 114.3	.134	8	1/2 x 12-24	1 1/4 x 12
5" x 4 1/2"*	127 x 114.3	.146	8	1/2 x 12-24	1 1/4 x 12
5" x 5"*	127 x 127	.146	8	1/2 x 12-24	1 1/4 x 12
6" x 6"*	152.4 x 152.4	.160	10	1/2 x 1/4-20	1 1/2 x 14

* Not available in Brass base material.

Options:

Code	Description
NRP	Non-Removable Pin
TB	Ball Bearing
TCA	Concealed Bearing
RC	Round Corner – 1/4" radius furnished unless specified otherwise
HT	Hospital Tip
BT	Ball Tip
ST	Steeple Tip
SSF	Safety Stud Feature
QC	ElectroLynx® Hinge – 2, 4, 6, 8, 10 or 12 wire available
CC	Concealed Circuit – 2, 4, 6, 8, 10 or 12 wire available
CC-18	Concealed Circuit – 2, 4, 6, 8 or 10 wire available (2-18AWG wires and the remainder 28AWG wires)
MM	Magnetic Monitoring

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T23_Mens_Womens_Employee Restroom

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-003-YA_T23

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Door Closer
Item Type	Surface Door Closer
Description	Architectural Door Closer with cover; parallel arm configuration
Manufacturer	Yale
Model	2701
Dimensions	13-5/8" L x 3-7/8" H x 7-5/8" Arm Extension
Color	689
Finish	Plated
Material Composition	Aluminum alloy
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 Door Hardware
Grade	ANSI Grade 1
Fire/Smoke Rating	UL and cUL listed for 3 hour assemblies
Operation	Manual, hydraulic
Best Practices	Recycled content
Quality Standards	ANSI/BHMA A156.4, Grade 1 certified; UL / cUL listed for use on fire rated doors; UL10C listed for positive pressure fire test; 8301 and 8501 door closers are designed to comply with requirements for the Americans with Disabilities Act (A.D.A) and ANSI standard A117.1
Accessibility Compliance	ADA and ANSI/BHMA A117.1
Accessories	Drop plate required for glazed doors
Cover Finish	689, Aluminum
Opening Degree	Adjustable, from 85° to 110° in 5° increments
Cover Material	Metal
Mounting Type	Surface
Stop Type	Integral
Warranty	10 years
Notes	https://tinyurl.com/26y8yycx

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Yale Locks & Hardware (Assa Abloy)
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

AREAS

Stairs
Back-of-House Laundry
Storage
Elevator Equipment Room
Public Restrooms

ALTERNATE MANUFACTURER 3	Employee Areas Guest Laundry Fitness Center Engineering & Maintenance Food & Beverage Back-of-House Mechanical, Plumbing & Electrical Corridors
ALTERNATE MANUFACTURER 4	

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-006-TM_T23

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Door Stop
Item Type	Wall Mounted Door Stop
Description	Wrought concave wall bumper
Manufacturer	Trimco
Model	1270WV.626
Finish	US26D, gray rubber
Material Composition	Stainless Steel, Rubber
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	1
Best Practices	Recycled content
Fastener	screws, concealed
Warranty	2 Years

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Trimco
Contact Name: Customer Service
Phone: 323.262.4191
Email: csr@TrimcoHardware.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry
Administration
Public Restrooms
Employee Areas
Guest Laundry
Fitness Center
Indoor Pool
Pool Storage
Welcome Desk
Engineering & Maintenance
Food & Beverage Back-of-House
Corridors

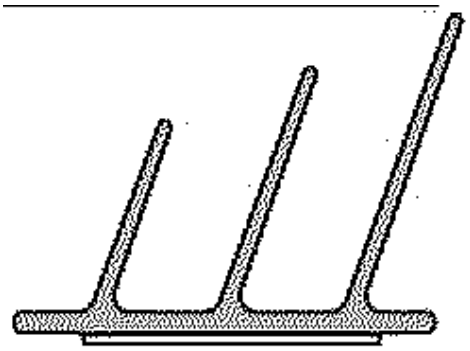
Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-007-PK_T23

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Door seal
Item Type	Fire/smoke gasketing
Description	Fire/smoke gasketing, adhesive-backed
Manufacturer	Assa Abloy/Pemko
Model	S773D
Dimensions	17, 18, 20, 21 and 25 ft. coils
Color	Dark brown (D)
Material Composition	Silicone
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Fire/Smoke Rating	Tested and approved under UL 10C for fire; UL 1784 for smoke
Acoustical Performance	ASTM E90 and BS EN ISO 140-3 for sound control
Best Practices	Low-emitting materials
Quality Standards	BHMA A156.22
Accessibility Compliance	ADA and ANSI A117.1
Lead Time	Standard Lead Time 3-5 Business Days - Verify with Manufacturer.
Warranty	2 Years if installed with 6 months of ship

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Assa Abloy
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Stairs
Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry
Elevator Equipment Room
Administration
Public Restrooms
Employee Areas
Guest Laundry
Fitness Center
Indoor Pool
Pool Equipment
Pool Storage
Corridors

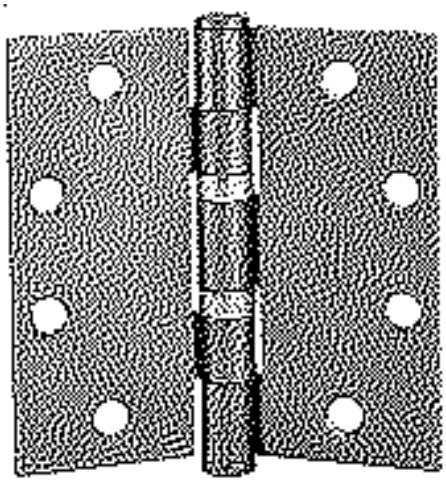
Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-022-MK_T23

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Hinge
Item Type	Hinge
Description	Five knuckle standard weight hinge
Manufacturer	ASSA ABLOY/McKinney
Model	TA2714
Dimensions	4-1/2" x 4-1/2"
Finish	US15, Satin Nickel
CSI #	087100 - Door Hardware
Omniclass #	22 - 087100 - Door Hardware
Quality Standards	ANSI/BHMA A156.1, 156.7
Knuckle	Five Knuckle
Weight	Standard
Lead Time	5-10 business days
Warranty	One year limited warranty



SPECIAL INSTRUCTIONS
Refer to door hardware schedule for hardware locations

MANUFACTURER

Vendor Name: Assa Abloy
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Stairs
Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry
Elevator Equipment Room
Public Restrooms
Employee Areas
Guest Laundry
Fitness Center
Administration
Engineering & Maintenance
Food & Beverage Back-of-House

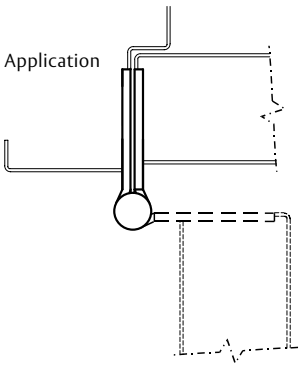
Five Knuckle Standard Weight Series

Recommended for standard weight, medium frequency doors, or doors with closing devices.

- Use for common flush door/frame/wall applications
- For Beveled Edge, where doors are beveled on hinge side, specify TA4314 or TA4714
- For available finishes see page 29

TA2314
TA2714

No.	ANSI Cross Reference	Base Material	Weight
TA2314	A5112	Stainless	STD
TA2314	A2112	Brass	STD
TA2714	A8112	Steel	STD



Specifications

Inches	mm	Gauge	No. of Holes	Fasteners	
				Machine	Wood
3 1/2" x 3 1/2"*	88.9 x 88.9	.123	6	1/2 x 10-24	1 x 10
4" x 4"*	101.6 x 101.6	.130	8	1/2 x 12-24	1 1/4 x 12
4 1/2" x 4"	114.3 x 101.6	.134	8	1/2 x 12-24	1 1/4 x 12
4 1/2" x 4 1/2"	114.3 x 114.3	.134	8	1/2 x 12-24	1 1/4 x 12
5" x 4 1/2"*	127 x 114.3	.146	8	1/2 x 12-24	1 1/4 x 12
5" x 5"*	127 x 127	.146	8	1/2 x 12-24	1 1/4 x 12
6" x 6"*	152.4 x 152.4	.160	10	1/2 x 1/4-20	1 1/2 x 14

* Not available in Brass base material.

Options:

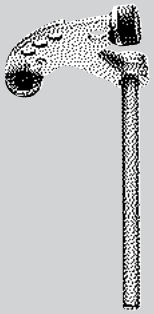
Code	Description
NRP	Non-Removable Pin
TB	Ball Bearing
TCA	Concealed Bearing
RC	Round Corner – 1/4" radius furnished unless specified otherwise
HT	Hospital Tip

Code	Description
BT	Ball Tip
ST	Steeple Tip
SSF	Safety Stud Feature
QC	ElectroLynx® Hinge – 2, 4, 6, 8, 10 or 12 wire available

Code	Description
CC	Concealed Circuit – 2, 4, 6, 8, 10 or 12 wire available
CC-18	Concealed Circuit – 2, 4, 6, 8 or 10 wire available (2-18AWG wires and the remainder 28AWG wires)
MM	Magnetic Monitoring

McKinney Hinge Pin Door Stop

- Recommended for high-use or high impact doors with McKinney T2714 or TA2714 hinges
- Protects against damage to doors and walls
- Runs the full length of the hinge



Part number	Description	Finish
76305	Hinge Pin Stop for MacPro MP79 & MPB79	26D
76306	Hinge Pin Stop for McKinney T2714 & TA2714	26D

ASSA ABLOY

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Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-049-TM_T23

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Door trim - push/pull
Item Type	Push/pull plate
Description	Push plate and pull plate
Manufacturer	Trimco
Model	1001-3 / 1013-3B
Dimensions	4" x 16" plates; 0.050" thick; pull is 3/4" diameter
Finish	626
Material Composition	Type 304 Stainless Steel
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	1
Best Practices	Recycled content
Quality Standards	ANSI/BHMA A 156.6 "Architectural Door Trim"
Accessibility Compliance	ADA and ANSI A117.1
Warranty	Lifetime

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Trimco
Contact Name: Customer Service
Phone: 323.262.4191
Email: csr@TrimcoHardware.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms
Employee Areas

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

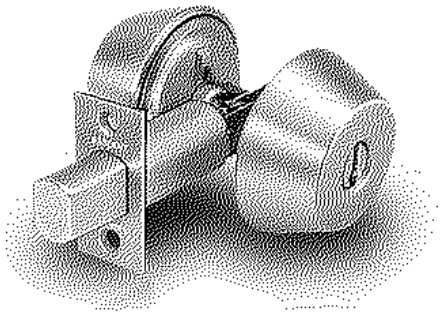
DH-050-TM_T23

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Deadbolt
Item Type	Deadbolt
Description	Cylindrical Deadbolt
Manufacturer	Sargent (ASSA ABLOY)
Model	484
Color	Satin Nickel
Finish	US15
Material Composition	Brass
CSI #	087100 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	1
Fire/Smoke Rating	ANSI/UL10C Positive Pressure; ANSI E0161
Operation	Key deadbolt from either side
Best Practices	Recycled content
Quality Standards	ANSI/BHMA A 156.5 "Auxiliary Locks and Associated Products"
Accessibility Compliance	ADA and ANSI A117.1
Lead Time	10-15 Business days
Warranty	5 year limited



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Sargent Manufacturing
Contact Name:
Phone: 800-727-5477
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms
Employee Areas

Auxiliary Locks

480 Series
Grade 1 Deadbolts

SARGENT
ASSA ABLOY

Specifications

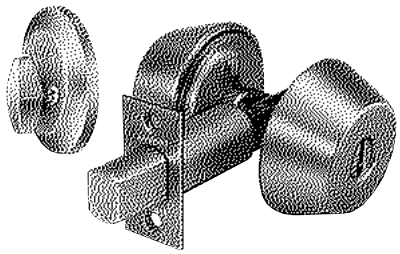
For Doors	1-3/8" (35mm) to 1-3/4" (44mm) thick standard For doors over 1-3/4" (44mm) consult factory (2-1/4" Thick door max)
Door Prep	Fits 161 (standard) cut outs and Fits 160 with 2-3/8" (60mm) backset with 1"(25mm) front and for 1-3/8"(35mm) thick door
Backsets	2-3/4" (70mm) standard. 2-3/8" (60mm) optional (20 prefix)
Strike	Wrought brass, bronze or stainless steel
Bolt	Solid steel with hardened steel pin insert and nickel silver plating 7/8" (22mm) x 5/8" (16mm) x 1" (25mm) throw
Cylinder	Brass, 6-pin. 2 nickel silver keys
Masterkeying	Can be masterkeyed. Construction key system available
Front	Wrought brass, bronze or stainless steel 2-1/4" (57mm) x 1-1/8" (29mm) with fixed bevel 1/8" (3mm) in 2" (51mm) furnished standard
Hand	Non handed, field reversible
Turn Lever	Non-ferrous
Housing	Non-ferrous, reinforced, one piece 2-1/2" (64mm) dia. 60, 63, 64 prefix housing-brass and zinc, two piece. Concealed screws on double cylinder function
Specification	Meets ANSI A156.5 Grade 1 requirements with 408 or 488 strike
UL/cUL Listed	UL listed to U.S. and Canadian safety standards
Positive Pressure	Conforms to standards UL 10C and UBC 7-2 (1997)
Prefixes	10- SARGENT Signature key system 11- SARGENT XC key system 11-70- Small Format interchangeable disposable construction core - to accept 7 Pin XC permanent core 11-72-7P- Small Format interchangeable keyed construction core - to accept 7 Pin XC permanent core 11-73-7P- Small Format interchangeable core - to accept 7 pin XC permanent core 16- 400 "T" shaped strike with strike box 20- 2-3/8" (60mm) backset. 2-3/4" (70mm) x 1" (25mm) wide front 21- SARGENT Construction key system (lost ball) standard on all new systems 22- SARGENT Construction key system (split key). For pre-established split key systems only 28- 408 Flat lip strike ANSI A115.2 36- 6-Lobe security Head Screw 37- Spanner Head Screw 48- 488 Reinforced strike with 4 mounting screws and strike box 60- SARGENT Removable core cylinders. Plastic disposable core provided 63- SARGENT Removable core cylinder 64- SARGENT Removable construction core cylinder 65-73- Small format interchangeable cores - 6-pin uncombinated 65-73-7P- Small format interchangeable cores - 7-pin uncombinated 70- Small format interchangeable core. Plastic disposable core provided 72- Small format interchangeable core with construction core provided 73- Small format 6-pin interchangeable core, SARGENT 4A, 4B keyway only - for new systems 73-7P- Small format 7-pin interchangeable core SARGENT 4A, 4B keyway only - for new systems BR- Bump Resistant Cylinder (Conventional & XC Cylinders Only) SC/SE- Schlage C or E keyway (specify)
Finishes	03, 04, 10, 10B, 26, 26D For other finishes consult factory

Packaging — 480 Series

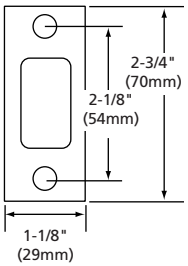
Approximate Shipping Weights	
2 lbs.(.9 kg)/Box	10 Boxes/Case

480 Series Deadbolt

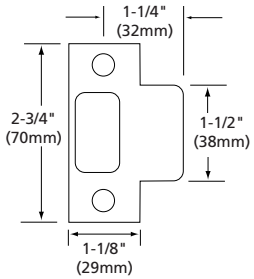
Inside Turn Lever



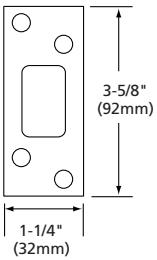
404 Strike
(Standard)



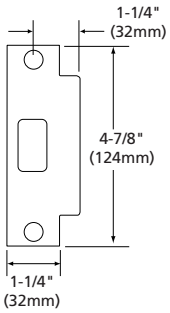
400 T-Shaped Strike
(16- Prefix)



488 Reinforced Strike
(48- Prefix)



408 Flat Lip Strike
(28- Prefix)



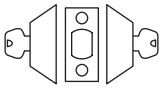
How To Order

Specify	Note	Example
Prefixes	28-	**28-**
Series & Function	485	28-**485**
Finish	10	28-485 x **10**

Functions

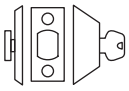
* Note - Use only on rooms with more than one exit

*484 Deadlock



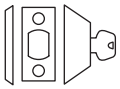
- Key from either side operates deadbolt
- **ANSI EO141**

485 Deadlock



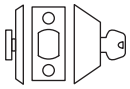
- Key outside operates deadbolt
- Thumb turn inside operates deadbolt
- **ANSI EO151**

*486 Deadlock



- Key outside operates deadbolt
- Blank plate by exposed screws inside. Minimum 1" (25mm) required between doors
- **ANSI E0161**

487 Deadlock



- Key outside operates deadbolt
- Thumb turn inside retracts deadbolt, but will not project the deadbolt
- **ANSI E0161**

489 Deadlock

- Thumb turn inside operates deadbolt
- Blank outside plate

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Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-051-RW_T23

Revision 1

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date: **Nov 23, 2022**

Item Name	Lockset, privacy, for guestroom baths and bedrooms
Item Type	Cylindrical lockset
Description	Cylindrical lockset, privacy function
Manufacturer	Assa Abloy/Sargent
Model	28-65U65 KL
Finish	US15 Satin Nickel
Material Composition	Plated carbon steel
CSI #	087100 Door Hardware
Omniclass #	22-087100
Grade	ANSI Grade 2
Quality Standards	ANSI A156.2 Series 4000-Grade 1; UL Listed for 3 hour doors; Meets UL10C and UBC 7-2 (1997) - Positive Pressure; CA Title 19 and 24
Accessibility Compliance	ADA and ANSI A117.1
Lead Time	10-15 Business Days
Warranty	Seven year limited warranty

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Assa Abloy
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms
Employee Areas

Product Catalog

SARGENT
ASSA ABLOY

6500 Series
Cylindrical Lever Lock

Experience a safer
and more open world

Specifications

6500 Series Cylindrical Lever Lock

SARGENT
ASSA ABLOY

65G05 Shown

A standard duty key-in-lever lock designed to exceed the requirements of ANSI A156.2, Series 4000 and Grade 2.

Specifications

For Doors	1-3/8" (35mm) to 1-3/4" (44mm) only
Backset	2-3/4" (70mm) standard 2-3/8" (60mm) optional (20- option)
Cylindrical Housing	Steel zinc dichromate finish
Front	Wrought brass and stainless steel 2-1/4" (57mm) x 1-1/8" (29mm)
Strike	800 Curved Lip, Brass or Stainless Steel Standard 808 ANSI Curved Lip available (28- option) 505 Full Lip strike available (14- option)
Hand	Universal, non-handed
Latch	Brass 1/2" (13mm) throw
Keys	Two, nickel silver
Cylinder	Brass, 6- pin, LA keyway standard
Finishes	3, 4, 10, 10B, 10BE, 26, 26D
Door Prep	ANSI A115.2 (161) Modified
Minimum Stile	4-1/2" (114mm)

Certification Compliance

ANSI/BHMA	Meets ANSI A156.2 Series 4000 — Grade 2
UL	UL listed to U.S.A. and Canadian safety standards Listed for 3 Hour Doors
Positive Pressure	Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies
ADA	All levers conform to ADA requirement for barrier-free accessibility
California Code	Levers conform to California Administrative Code Title 19 and 24
Hurricane Code	All individual components of a total door opening are required to comply with each code. Refer to the SARGENT Website (www.sargentlock.com) for specific code compliance listings for both the lock hardware and other door components

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

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90111 03/20

1-800-727-5477 • www.sargentlock.com

KL Design

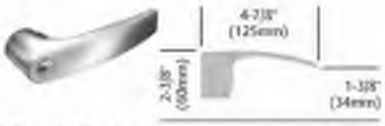
- Rose: K — Wrought
- Lever: L — Cast

Special Orders

The B & P Levers, the 15-3 function and split finishes are available as special orders, please contact SARGENT for details

B Lever Design

- Lever: B — Solid Cast



P Lever Design

- Lever: P — Solid Cast

15-3 Exit or Communicating

6G15-3

Split Finishes

- Split Finishes on all functions

Experience a safer and more open world

Windstorm Certifications

6500 Series Cylindrical Lever Lock

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Windstorm Certifications: Florida Building Codes & UL Listings

SARGENT Manufacturing's products meet building codes that require hurricane, windstorm and FEMA certifications, including some of the most stringent building codes as specified in the Florida Building Code, Miami Dade Code and the International Building Code. Listed below are certifications and standards met by the 6500 lock.

Florida Building Code: FL2998
UL Certification Directory: ZHEM.R21744 – Latching Hardware

ANSI/SDI-BHMA A250.13	"Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies"
ANSI/ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
(TAS) 201	"Impact Test Procedures"*
(TAS) 202	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
(TAS) 203	"Criteria for Testing Products Subject to Cyclic Wind Pressure Loading"*

* Published in the "Florida Building Code"

UL Certification Directory: ZHLL.R21744 – Products for Use in Windstorm-rated Assemblies

Certifications to meet assembly requirements are done in conjunction with doors from ASSA ABLOY Group companies CECO DOOR and CURRIES.

ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
AAMA/WDMA/CSA 101/I.S.2/A440	"Standard/Specification for Windows, Doors, and Unit Skylights"
FEMA Publication 320	"Taking Shelter From the Storm: Building a Safe Room for Your Home or Small Business", investigated with respect to impact and pressure requirements only.
FEMA Publication 361	"Design and Construction Guidance for Community Safe Rooms", investigated with respect to impact and pressure requirements only.
ICC 500	"ICC/NSSA Standard for the Design and Construction of Storm Shelters", investigated with respect to impact and pressure testing. Minimum missile impact speeds vary with the design wind speed desired for a particular product. The information below correlates design wind speed to the minimum missile speeds as discussed in Table 305.1.1 of ICC 500.

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Functions

6500 Series Cylindrical Lever Lock

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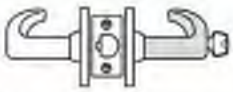
04 Storeroom or Closet



65G04
- Deadlocking latch
- Latch by lever inside or key outside
- Outside lever rigid at all times
- ANSI/BHMA F86

05 Entrance or Office

65G05
- Deadlocking latch
- Latch by either lever unless outside lever is locked by push/turn button in inside lever
- Push button released by key outside or lever inside
- Turn button must be released manually
- Key retracts latch when outside lever is locked
- ANSI/BHMA F109

15 Passage

65U15
- Latch by either lever
- ANSI/BHMA F75

37 Classroom

65G37
- Deadlocking latch
- Latch by either lever unless outside lever is locked by key
- Key in outside lever locks or unlocks outside lever
- Inside lever always operative
- ANSI/BHMA F84

65 Privacy/Bathroom

65U65
- Latch by either lever unless outside lever is locked by push button in inside lever
- Turning inside lever or closing door releases button
- Emergency button in outside lever unlocks, with use of a blade screwdriver outside lever and releases inside button
- Bathroom key supplied only when ordered separately
- ANSI/BHMA F76

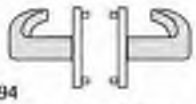
15-3 Exit or Communicating (Special Order)

65G15-3
- Deadlocking latch
- Blank rose outside
- Latch by lever inside
- Minimum clearance of 1-1/2" (38mm) between double doors

93 Single Lever Pull

65U93
- For wood or custom hollow metal doors
- Lever and rose attached by three surface applied screws

94 Double Lever Pull



65U94
- For wood or custom hollow metal doors
- Lever and rose both sides through-bolted and three surface applied screws each side

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How to Order, Finishes & Strikes

6500 Series Cylindrical Lever Lock

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How to Order:

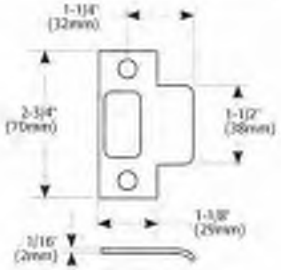
28	65	G05	K	L	26D
Options	Line	Functions	Rose	Lever	Finish
Page 5		G04			Below
		G05			
		U15			
		G37			
		U65			
		U65			
		U94			

2-3/4" Curved Lip Strike Standard

Furnished standard with 1-1/4" (32mm) curved lip from center of strike screw holes to end of lip.

To order strike separately, specify 800 strike x finish x lip length. Finishes: 3, 4, 10, 10B, 10BE, 32D.

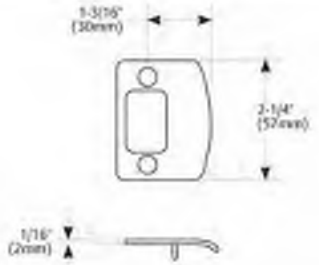
Lip lengths – 1" (25mm), 1-1/4" (32mm), 1-1/2" (38mm), 1-3/4" (44mm) and 2" (51mm)



2-1/4" Full Lip Strike (14- Option)

Lip length 1-3/16" only

To order strike separately, specify 505 strike x finish x lip length. Finishes: 3, 4, 10, 10B, 10BE, 32D.



Packaging

6SG05 KL	4 lbs.	1/box
6SG05 KL	41 lbs.	10 boxes/case

Latch Assemblies

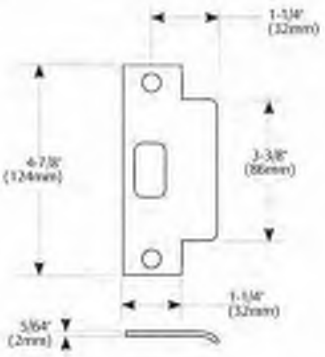
05-2184	2-3/8" (60mm), 20 option (deadlocking latch)
05-2185	2-3/8" (60mm), 20 option (latch)
05-2182	2-3/4" (70mm), standard (deadlocking latch)
05-2183	2-3/4" (70mm), standard (latch)

4-7/8" Curved Lip Strike (28- Option)

Conforms to ANSI standard. Curved lip regularly furnished.

To order strike separately, specify 808 strike x finish x lip length. Finishes: 3, 4, 10, 10B, 10BE, 32D.

Lip lengths – 7/8" (22mm), 1-1/8" (29mm), 1-1/4" (32mm), 1-3/8" (35mm), 1-5/8" (41mm), 1-7/8" (48mm), 2-1/8" (54mm), 2-3/8" (60mm), 2-5/8" (67mm), 2-7/8" (73mm)



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Functions

6500 Series Cylindrical Lever Lock

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Mechanical Options

Strike	14-	Full Lip strike # 505
Backset Options	20-	2-3/8" Backset
Strike	28-	4-7/8" Curved Lip Strike
Tactile Warning Options	85-	Tactile Warning on back side of inside lever
	86-	Tactile Warning on back side of outside lever
	87-	Tactile Warning on back side of inside & outside lever

Cylinder Options

Cylinder Type	Option	Description
Conventional Cylinder	Std	Std
Degree Key System	DG1-	Sargent Degree Key System Level 1 (bump resistant with patented keys)
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core
	DG1-63-	Degree Level 1 Removable Core
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC
	DG1-65-	Degree Level 1 Unassembled/Uncombinated Fixed Core Component Cylinder (packed loose for field keying)
	DG1-63-65-	Degree Level 1 Unassembled/Uncombinated Removable Core LFIC (packed loose for field keying)
	DG2-	Sargent Degree Key System Level 2 (geographically exclusive; bump and pick resistant)
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core
	DG2-63-	Degree Level 2 Removable Core
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC
	DG2-65-	Degree Level 2 Unassembled/Uncombinated Fixed Core Component Cylinder (packed loose for field keying)
	DG2-63-65-	Degree Level 2 Unassembled/Uncombinated Removable Core LFIC (packed loose for field keying)
	DG3-	Sargent Degree Key System Level 3 (geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21-	Degree Level 3 Construction Master Keying
	DG3-60-	Degree Level 3 Removable Disposable Construction Core
	DG3-63-	Degree Level 3 Removable Core
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC
Signature Key System	10-**	SARGENT Signature Key System (not available with other Key Systems)
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
Signature: Large Format Interchangeable Core (Removable Core)	10-63-	SARGENT Signature LFIC (Removable Core) Cylinder
XC- Key System	11-	XC Key System (not available with other Key Systems, unless specified)
	11-21-	XC- Construction Key System (Lost Ball)

Note: To order the 6500 Cylindrical Lock for use with ASSA V-10 (VA & VS) cylinders, specify the Less Cylinder (LC-) option. V-10 cylinders are available from ASSA, Inc. @ 800-235-7482

Note: When tying into existing key systems contact Key Records for compatibility

** Available to match existing key systems, not recommended for grade 2 applications

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Functions

6500 Series Cylindrical Lever Lock

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Cylinder Options (continued)

XC- Large Format Interchangeable Core (Removable Core)	11-60-	Hardware to accept XC- Permanent LFIC (Removable Core). Disposable plastic core provided
	11-63-	Hardware provided with XC- LFIC (Removable Core) Cylinder – (Includes masterkeying, grand masterkeying)
	11-64-	Hardware provided with Keyed construction core to accept XC- LFIC (Removable) Permanent Core (ordered separately)
XC- Small Format Interchangeable Cores	11-70-7P	11-70-7P Hardware to accept XC- SFIC (7-Pin) XC- Permanent Cores, plastic disposable core provided
	11-72-7P	Hardware to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent core ordered separately
	11-73-7P	Hardware supplied with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)
	11-65-73-7P	Hardware provided to accept XC- Uncombinated 7-Pin SFIC (Permanent) Core — (Packed Loose)
Construction Key Systems	21-	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)
	22-	SARGENT Construction Split Key System for Conventional Cylinders (existing systems only) (N/A with 10-, 11-, 63- or 73-)
Bump Resistant	BR-	Bump Resistant Cylinder (available with Conventional & Conventional XC Cylinders only)
Less Cylinder	LC-	Lock supplied less Cylinder
Schlage Keyways	SC-	Schlage C keyway cylinder, 0 bitted
	SE-	Schlage E keyway cylinder, 0 bitted
Cylinder Type	**Option**	**Description**
Large Format Interchangeable Core (Removable Core)	60-	Hardware to accept SARGENT Permanent LFIC (Removable Core), disposable plastic core provided (Permanent Cores Ordered Separately)
	63-	Hardware provided with LFIC (Removable Core) Cylinder — (includes masterkeying, grand masterkeying)
	64-	Hardware provided with Keyed construction core to accept LFIC (removable) Permanent Core (ordered separately)
Small Format Interchangeable Cores	70-	Hardware to accept 6 or 7-Pin SFIC permanent cores, plastic disposable core provided
	72-	Hardware to accept 6 or 7-Pin SFIC (Keyed Construction Core provided) Cylinder (permanent core ordered separately)
	73-	Hardware supplied with 6-Pin SFIC (includes masterkeying, grand masterkeying)
	65-73-	Hardware provided to accept Uncombinated 6-Pin SFIC (permanent) core — (packed loose for field keying)
	65-73-7P	Hardware provided to accept Uncombinated 7-Pin SFIC (permanent) core — (packed loose for field keying)
	73-7P	Hardware supplied with Small Format 7-Pin Interchangeable Core (includes masterkeying, grand masterkeying)

Note: To order the 6500 Cylindrical Lock for use with ASSA V-10 (VA & VS) cylinders, specify the Less Cylinder (LC-) option. V-10 cylinders are available from ASSA, Inc. @ 800-235-7482

Note: When tying into existing key systems contact Key Records for compatibility

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT

ASSA ABLOY

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800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electromechanical products and access control systems for new construction, renovation, and replacement applications. The Company's customer base includes commercial, institutional, and industrial end-users.

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T24_Fitness Center_Guest Laundry

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-003-YA_T24

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Door Closer
Item Type	Surface Door Closer
Description	Architectural Door Closer with cover; parallel arm configuration
Manufacturer	Yale
Model	2701
Dimensions	13-5/8" L x 3-7/8" H x 7-5/8" Arm Extension
Color	689
Finish	Plated
Material Composition	Aluminum alloy
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 Door Hardware
Grade	ANSI Grade 1
Fire/Smoke Rating	UL and cUL listed for 3 hour assemblies
Operation	Manual, hydraulic
Best Practices	Recycled content
Quality Standards	ANSI/BHMA A156.4, Grade 1 certified; UL / cUL listed for use on fire rated doors; UL10C listed for positive pressure fire test; 8301 and 8501 door closers are designed to comply with requirements for the Americans with Disabilities Act (A.D.A) and ANSI standard A117.1
Accessibility Compliance	ADA and ANSI/BHMA A117.1
Accessories	Drop plate required for glazed doors
Cover Finish	689, Aluminum
Opening Degree	Adjustable, from 85° to 110° in 5° increments
Cover Material	Metal
Mounting Type	Surface
Stop Type	Integral
Warranty	10 years
Notes	https://tinyurl.com/26y8yycx

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Yale Locks & Hardware (Assa Abloy)
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

AREAS

Stairs
Back-of-House Laundry
Storage
Elevator Equipment Room
Public Restrooms

ALTERNATE MANUFACTURER 3	Employee Areas Guest Laundry Fitness Center Engineering & Maintenance Food & Beverage Back-of-House Mechanical, Plumbing & Electrical Corridors
ALTERNATE MANUFACTURER 4	

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-006-TM_T24

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Door Stop
Item Type	Wall Mounted Door Stop
Description	Wrought concave wall bumper
Manufacturer	Trimco
Model	1270WV.626
Finish	US26D, gray rubber
Material Composition	Stainless Steel, Rubber
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	1
Best Practices	Recycled content
Fastener	screws, concealed
Warranty	2 Years

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Trimco
Contact Name: Customer Service
Phone: 323.262.4191
Email: csr@TrimcoHardware.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry
Administration
Public Restrooms
Employee Areas
Guest Laundry
Fitness Center
Indoor Pool
Pool Storage
Welcome Desk
Engineering & Maintenance
Food & Beverage Back-of-House
Corridors

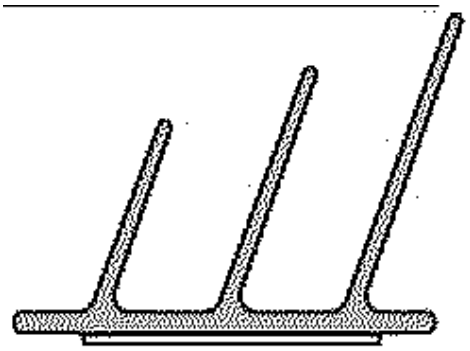
Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-007-PK_T24

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Door seal
Item Type	Fire/smoke gasketing
Description	Fire/smoke gasketing, adhesive-backed
Manufacturer	Assa Abloy/Pemko
Model	S773D
Dimensions	17, 18, 20, 21 and 25 ft. coils
Color	Dark brown (D)
Material Composition	Silicone
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Fire/Smoke Rating	Tested and approved under UL 10C for fire; UL 1784 for smoke
Acoustical Performance	ASTM E90 and BS EN ISO 140-3 for sound control
Best Practices	Low-emitting materials
Quality Standards	BHMA A156.22
Accessibility Compliance	ADA and ANSI A117.1
Lead Time	Standard Lead Time 3-5 Business Days - Verify with Manufacturer.
Warranty	2 Years if installed with 6 months of ship

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Assa Abloy
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Stairs
Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry
Elevator Equipment Room
Administration
Public Restrooms
Employee Areas
Guest Laundry
Fitness Center
Indoor Pool
Pool Equipment
Pool Storage
Corridors

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-016-SA_T24

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Entry Lock (less deadbolt)
Item Type	Entry Lock with RFID Reader
Description	Electronic mortise lockset with 1" (25.4mm) and 5/8" (15.9mm) dead-locking latch bolt (LESS DEADBOLT)
Manufacturer	DormaKaba/Saflok
Model	Saflok Quantum RFID X ADB X BLE X Troy
Color	Satin Nickel
Finish	US15
Material Composition	Plated carbon steel
CSI #	087100 - Door Hardware
Omniclass #	22-087100 - Door Hardware
Grade	ANSI Grade 1
Best Practices	Recycled content of steel
Quality Standards	ANSI/BHMA A256.13-2012 Standard for Mortise Locks and Latches," and "ANSI/BHMA A256.25-2013 Standard for Electrified Locking Devices."
Accessibility Compliance	At a minimum, comply with accessibility regulations and standards of the country where the project is located. If governing accessibility regulations and standards do not exist, comply with the criteria as outlined by the U.S. ADA Standards for persons with disabilities. (www.ada.gov)
Accessories	Four (4) AA batteries
Handle Finish	Satin nickel US26D
RFID Finish	Black
Handle	Troy
Lead Time	Verify with manufacturer at time of purchase.
Warranty	2 Years
Notes	Case hardened full 1 inch (ANSI) Throw. Deadbolt with panic release function - deadbolt and latch are automatically retracted by inside handle for easy egress in case of emergency

SPECIAL INSTRUCTIONS

GC/Designer to determine handing necessary for project and order accordingly.

MANUFACTURER

Vendor Name: Saflok (dormakaba)
Contact Name:
Phone: 800-523-8483
Email: lodgingsupport@dormakaba.com

ALTERNATE MANUFACTURER 2

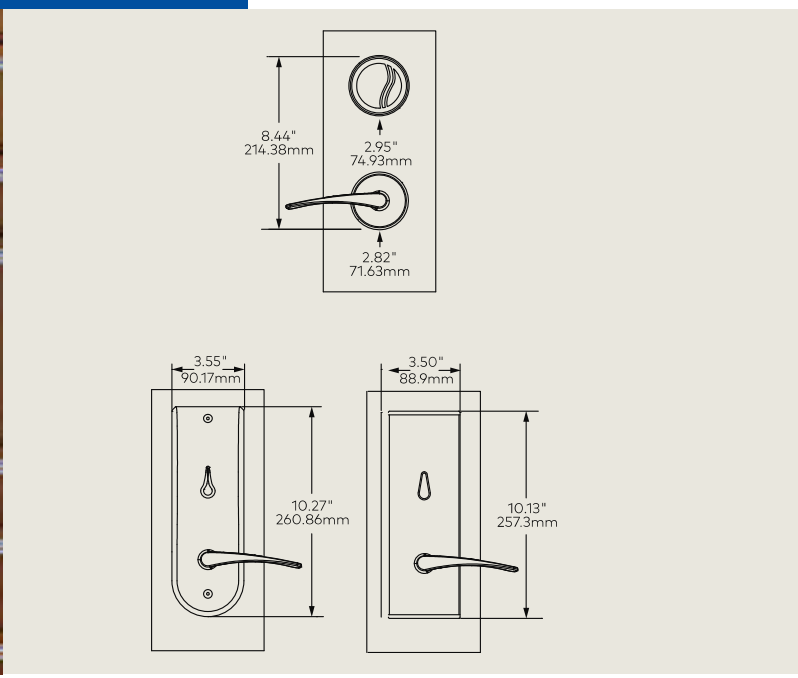
AREAS

Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry

ALTERNATE MANUFACTURER 3	Elevator Equipment Room Guest Laundry Fitness Center Indoor Pool Pool Equipment Pool Storage Welcome Desk Administration Engineering & Maintenance Food & Beverage Back-of-House
ALTERNATE MANUFACTURER 4	

Saflok Quantum™ RFID

dormakaba



Overview
The Saflok Quantum RFID lock offers a unique two-piece modular design with a choice of inside escutcheon look. Synonymous with superior performance, the lock is renowned for access control, life safety and security. The Quantum RFID is easy to use and works with dormakaba Access Management Software.

Mobile Access
The Quantum RFID is Bluetooth Low Energy (BLE) capable and can operate using the dormakaba Mobile Access Solutions.

Applications
- Suitable for small to very large scale hotels
- Easily replaces existing mechanical or electronic door locks throughout a facility
- Access control for guest rooms, common areas as well as back-of-house

Security Features
- High security and tamperproof design
- 1" solid deadbolt (optional auto deadbolt)
- Staff monitoring - Keycard audits
- Tracking mortise for door ajar reporting

Low Maintenance
- Batteries last up to 2 years
- Low battery indicator alerts staff
- Lock programming and audit records are not erased during battery replacement
- Operates with a completely sealed contactless reader

Access control management software
The Quantum RFID lock is supported by dormakaba's robust access management software solution that features an array of access control workflows for both guest and staff access. Optionally, choose dormakaba's online access management solution for superior control and monitoring.

DH-016-SA_T24

Mechanical Features

Description	Electronic mortise lockset with 1" (25.4mm) throw deadbolt and ⅝" (15.9mm) dead-locking latch bolt
Handing	Factory-handed mortise (left, right, left reverse, right reverse)
Lever	ADA Compliant Apogee Arc Continental Elevon Gala Troy
Deadbolt	1" (25.4mm) throw deadbolt and ⅝" (15.9mm) dead-locking latch bolt
Door Thickness	1¾" (44.5mm) to 2⅛" (53.98mm) for standard product
Weight	Approx. 8.0 lbs with hardware
Housing Construction	Escutcheons: Zinc Levers: Brass, zinc, or stainless steel
Standard Finishes	Bright chrome, bright brass, satin chrome, satin brass, dark mahogany
Inside Trim Options	Optional ädəse or MT inside escutcheon
Standard Backset	2¾" (69.9mm) from door edge to lever
Locking Options	ANSI lock case with 1¼" or 1" lock front mortise Options: automatic deadbolt, door ajar European lock case mortise (20 x 165 mm) with 20 x 233 mm lock front mortise
Online Configurations	Messenger Ready: DAJ mortise (ANSI lock case) Standard (stand alone) inside escutcheon
	Messenger Online: Lock controller board with Messenger capability DAJ mortise (ANSI lock case) Inside escutcheon equipped with Messenger module

Mobile Access Options (Quantum RFID Series)

BLE compatible BLE ready BLE enabled	Standard Lock. Upgradable to BLE by adding BLE connector cable, end cap and BLE module Upgradable to BLE with BLE module End cap with BLE module included, no further upgrades needed

Batteries

Alkaline - Four AA battery pack	Battery life is up to 2 years Low battery indicator: alerts staff that batteries need to be changed soon

Lock Operation

Date/Time Stamp	Real-time; date and hours/minutes
Interrogation	Obtain key usage reports from the lock by using a handheld unit at the door, or increase efficiency by performing a remote Interrogation using Messenger (optional)
Pre-registered Keycards	Keys can be made up to ten days in advance without cancelling current or arriving guests
Keycard Expiration	Configurable expiration dates; can be automatically set for check out date or manually applied when making key during check in process.
Passage Mode	Set by authorized keycard or Messenger system. Can also be configured to perform an automated/pre-defined passage mode time.
Lockout Mode	Set by authorized keycard or Messenger system
Keycards Accepted	Mifare Classic keycards (4 byte NUID)
Feedback	Light indicators in reader
Diagnostics	Light indicators and handheld display
Audit Trail	Up to 4,000 events
Disability Feature	RCU readers interface with automatic power operated doors for special openings
Privacy Override	Emergency keycards

Certifications & Testing

Accessibility Standard	ADA compliant levers (Code of Federal Regulations 28 CFR Part 36 – 1994 "ADA Standards for Accessible Design")
BHMA/ANSI	Certified to be compliant with Grade One performance tests for "ANSI/BHMA A256.13-2012 Standard for Mortise Locks and Latches," and "ANSI/BHMA A256.25-2013 Standard for Electrified Locking Devices." (Only locks tested and approved by non-biased third-party test lab are allowed in the "BHMA Certified Products Directory" found at www.buildershardware.com)
Fire Rating	Listed for pre-prepared manufactured doors and certified for retrofitting on existing doors by Underwriters Laboratories for use on fire doors having up to a three-hour rating. a. U.L. Certification: GWVW.R12071 "Accessories for Single-point Locks and Latches and Fire Exit Hardware." Evaluated in accordance with UL 10B and UL 10C. b. U.L. Listing: GYQS.R11247 "Electrically Controlled Single-point Locks and Latches." Evaluated in accordance with UL 10B and UL 10C. c. Also classified in accordance with Uniform Building Code Standard 7-2, "Fire Test of Door Assemblies" (1997)
Electronics	FCC Part 15 Class A and CE directive 89/336/EEC compliant
Environmental Operating Conditions	Indoor side: 32°F to 151°F (0°C to 66°C) Outdoor side: -31°F to 151°F (-35°C to 66°C) 0% to 85% non-condensing humidity at 86°F (30°C)

Warranty

Standard Warranty	Two years
Support Programs	dormakaba Service Plans (Platinum, Gold, Silver)

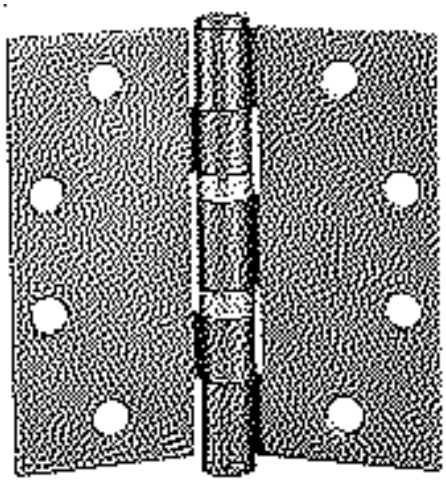
Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-022-MK_T24

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Hinge
Item Type	Hinge
Description	Five knuckle standard weight hinge
Manufacturer	ASSA ABLOY/McKinney
Model	TA2714
Dimensions	4-1/2" x 4-1/2"
Finish	US15, Satin Nickel
CSI #	087100 - Door Hardware
Omniclass #	22 - 087100 - Door Hardware
Quality Standards	ANSI/BHMA A156.1, 156.7
Knuckle	Five Knuckle
Weight	Standard
Lead Time	5-10 business days
Warranty	One year limited warranty



SPECIAL INSTRUCTIONS
Refer to door hardware schedule for hardware locations

MANUFACTURER

Vendor Name: Assa Abloy
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Stairs
Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry
Elevator Equipment Room
Public Restrooms
Employee Areas
Guest Laundry
Fitness Center
Administration
Engineering & Maintenance
Food & Beverage Back-of-House

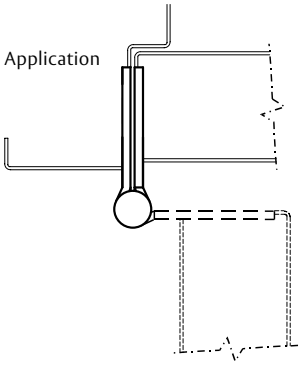
Five Knuckle Standard Weight Series

Recommended for standard weight, medium frequency doors, or doors with closing devices.

- Use for common flush door/frame/wall applications
- For Beveled Edge, where doors are beveled on hinge side, specify TA4314 or TA4714
- For available finishes see page 29

TA2314
TA2714

No.	ANSI Cross Reference	Base Material	Weight
TA2314	A5112	Stainless	STD
TA2314	A2112	Brass	STD
TA2714	A8112	Steel	STD



Specifications

Inches	mm	Gauge	No. of Holes	Fasteners	
				Machine	Wood
3 1/2" x 3 1/2"*	88.9 x 88.9	.123	6	1/2 x 10-24	1 x 10
4" x 4"*	101.6 x 101.6	.130	8	1/2 x 12-24	1 1/4 x 12
4 1/2" x 4"	114.3 x 101.6	.134	8	1/2 x 12-24	1 1/4 x 12
4 1/2" x 4 1/2"	114.3 x 114.3	.134	8	1/2 x 12-24	1 1/4 x 12
5" x 4 1/2"*	127 x 114.3	.146	8	1/2 x 12-24	1 1/4 x 12
5" x 5"*	127 x 127	.146	8	1/2 x 12-24	1 1/4 x 12
6" x 6"*	152.4 x 152.4	.160	10	1/2 x 1/4-20	1 1/2 x 14

* Not available in Brass base material.

Options:

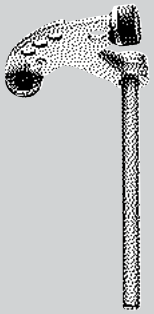
Code	Description
NRP	Non-Removable Pin
TB	Ball Bearing
TCA	Concealed Bearing
RC	Round Corner – 1/4" radius furnished unless specified otherwise
HT	Hospital Tip

Code	Description
BT	Ball Tip
ST	Steeple Tip
SSF	Safety Stud Feature
QC	ElectroLynx® Hinge – 2, 4, 6, 8, 10 or 12 wire available

Code	Description
CC	Concealed Circuit – 2, 4, 6, 8, 10 or 12 wire available
CC-18	Concealed Circuit – 2, 4, 6, 8 or 10 wire available (2-18AWG wires and the remainder 28AWG wires)
MM	Magnetic Monitoring

McKinney Hinge Pin Door Stop

- Recommended for high-use or high impact doors with McKinney T2714 or TA2714 hinges
- Protects against damage to doors and walls
- Runs the full length of the hinge



Part number	Description	Finish
76305	Hinge Pin Stop for MacPro MP79 & MPB79	26D
76306	Hinge Pin Stop for McKinney T2714 & TA2714	26D

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Check the web site for the up-to-date catalog

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T25A_Pool Vesitbule to Corridor

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-006-TM_T25A

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Door Stop
Item Type	Wall Mounted Door Stop
Description	Wrought concave wall bumper
Manufacturer	Trimco
Model	1270WV.626
Finish	US26D, gray rubber
Material Composition	Stainless Steel, Rubber
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	1
Best Practices	Recycled content
Fastener	screws, concealed
Warranty	2 Years

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Trimco
Contact Name: Customer Service
Phone: 323.262.4191
Email: csr@TrimcoHardware.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry
Administration
Public Restrooms
Employee Areas
Guest Laundry
Fitness Center
Indoor Pool
Pool Storage
Welcome Desk
Engineering & Maintenance
Food & Beverage Back-of-House
Corridors

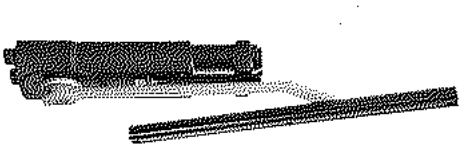
Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-012-RX_T25A

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Door closer
Item Type	Concealed overhead closer
Description	Concealed overhead door closer
Manufacturer	Rixson (Assa Abloy)
Model	0608090N X LCP
Dimensions	12-45/64" x 1-15/32"
Finish	619
Material Composition	Cast aluminum
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	1
Classification	Door closer
Fire/Smoke Rating	UL 10B and UL 10C compliance
Thermal Performance	Extreme temperature fluid (temperature range from -30 degrees F to 120 degrees F.)
Operation	Manual
Best Practices	Recycled content
Quality Standards	ANSI A156.4 Door Controls - Closers
Accessibility Compliance	ADA and ANSI A117.1
Accessories	Door mounting kit
Warranty	2 years

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Rixson (Assa Abloy)
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Indoor Pool

RIXSON

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OVERHEAD CONCEALED CLOSERS

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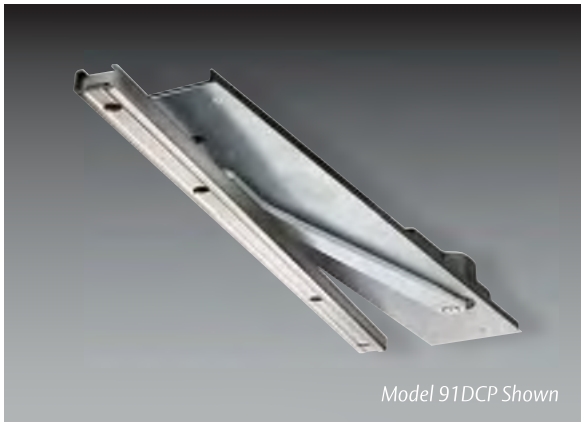
Model 91DCP Shown

INTRODUCTION

Rixson Overhead Concealed closers offer an aesthetically appealing way to close a door. In situations where a closer is needed but concealment is required, Rixson offers several different series to meet your application demands. Concealed for minimal appearance, these offset hung or center hung (single or double acting) door closers provide control without sacrificing the aesthetics of the opening.

Series	Architectural Grade	Commodity Grade	Single Acting	Double Acting	Handed	ADA Compliant Model Available	Grade 1 Certified	Door Weight
90	•		•		•	•	•	250 lbs
700	•		•		•			200 lbs
800	•			•				200 lbs
0608		•	•					200 lbs
608		•	•	•				200 lbs

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Specifications 3
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700/800 Series 8-11
700/800 Parts List 12-15
0608 Series 16-17
0608 Parts List 18-19
608 Series 20-21
608 Parts List 22-25

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GENERAL INFORMATION

Non-Hold Open closers do not hold the door open. This feature cannot be changed in the field on the 608, 700, or 800 series closers.

Hold Open closers hold the door open. This feature cannot be changed in the field on the 608, 700, or 800 series closers.

The degree of swing must be specified on some closers (refer to specific product pages for requirements).

When the door closer must be concealed above the ceiling or drywall, a longer or extended spindle is required. Regular and 1/2" extended spindles available. Closer adjustment valves must always be accessible.

End caps are used to cover the mortise edges for wood doors on center hung 608 and 700/800 models. Two 199 End Caps can be furnished; one for the top arm and one for the bottom pivot.

Mounting brackets or boxes for aluminum, wood or metal frames must be specified when ordering the 608 and 700/800 series.

SPECIFICATIONS

Model 91DCP:

Model 91DCP shall be used for offset hung doors. Closer shall fit in a 1-3/4 x 4 aluminum tube. Closer shall have adjustable spring that complies to accessibility codes. Adjustable spring, backcheck, and closing speed valves must be accessible after door is installed. Where applicable, a hold open feature is achieved in the track. Closer shall be Grade 1 per ANSI A156.4. Closer shall be fire rated UL10C for doors tested for overhead concealed products up to 3 hours.

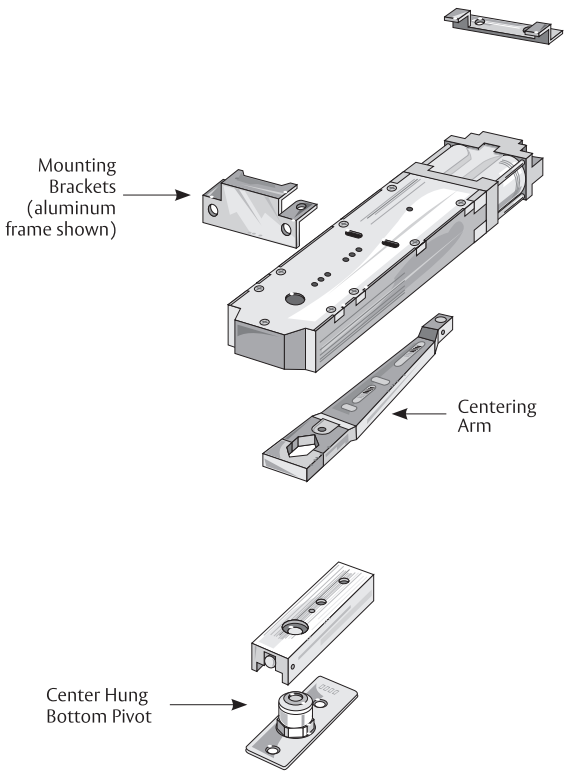
Models 700/800

Model 700 for single acting center hung doors. Hydraulic closer mechanism to fit in minimum 1-3/4" x 4" aluminum frame. Closer shall have a sized spring determined by the door width. Adjustable hydraulic backcheck and closing speed valves. Closers for single acting doors shall be handed and preloaded for positive closing action. Vertically adjustable center hung bottom pivot included. For double acting doors, use model 800 with adjustable closing speed for each swing direction. Hold open (option) is achieved through the closer body and degree called out.

Model 608

Compact cast iron body to fit in minimum 1-3/4 x 4" aluminum frame. Closer shall have separate and independent closing and latch speed control valves. Optional hold open at 90 or 105°. For center hung applications, arm shall have door centering adjustments and be directly connected to the closer spindle. Closer body is non-handed, single or double acting. Vertically adjustable center hung bottom pivot included. For independently hung doors use model 0608 with slide track arm and channel.

800 Series Shown



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Model 0608

Application

- Exterior or interior doors
- Door weight up to 200 lbs.
- Maximum door size 3'8" x 8'

Features

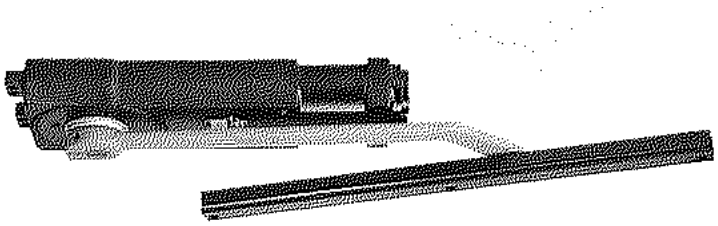
- Single acting
- Non-handed
- Available non-hold open (N) (door swings to 130°)
- Available automatic hold open - specify 90° or 105° (A)
- Arms only available in sprayed finishes
- Adjustable closing and latch speeds
- Removable frame stop required
- Product should always be used with auxiliary floor or wall stop
- Hanging means by others. Recommended product - pivot set 547. See Pivot Catalog.
- Cannot be used with a top pivot
- 2 year limited warranty

Optional Features

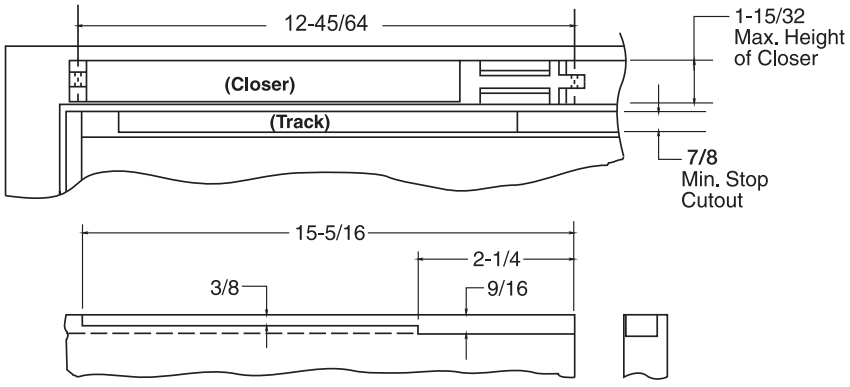
- Extended spindle; 1/2" longer than standard closer spindle. Must be ordered as part of the closer; cannot be added later

Models

- M0608 should be used on metal doors and frames. Package includes closer body, arm, frame mounting box 608049PKG*, and cover plate. Frame size 2" x 5-1/2" minimum.
- MW0608 closer should be used on wood doors and metal frames. Package includes closer body, arm, frame mounting box 608049PKG* and cover plate. Frame size 2" x 5-1/2" minimum.
- W0608 closer should be used on wood doors and frames. Package includes closer body, arm, frame mounting box 608049PKG and cover plate. Frame size 2" x 5-1/2" minimum.
- AW0608 closer should be used on wood doors and aluminum frames. Package includes closer body, arm and frame mounting clips. Frame size 1-3/4" x 4".



TECHNICAL INFO



*Note that mounting channels must be welded into frames prior to shipment to job site.

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Model 0608

HOW TO ORDER

M0608	90A	x 1/2" Ext Spdl	x 626
Model	Hold Open	Suffix	Finish

90A Hold Open

90A - Hold Open
105A - Hold Open
N - Non-Hold Open

x 1/2" Ext Spdl Suffix

1/2" Extended Spindle

M0608 Model

0608 - Closer for Aluminum Door and Frames
M0608 - Closer for Metal Doors and Frames
MW0608 - Closer for Wood Doors and Metal Frames
W0608 - Closer for Wood Doors and Frames
AW0608 - Closer for Wood Doors & Aluminum Frames

x 626 Finish

All Arms Are

689	Sprayed Alum
690	Sprayed Dark Bronze
691	Sprayed Light Bronze
693	Sprayed Black
696	Sprayed Brass
BSP	Black Suede Powder
WSP	White Suede Powder

Cover Plates

605	Bright Brass
606	Satin Brass
611	Bright Bronze
612	Satin Bronze
613	Dark Bronze
619	Satin Nickel
622	Flat Black
625	Bright Chrome
626	Satin Chrome
BSP	Black Suede Powder
WSP	White Suede Powder

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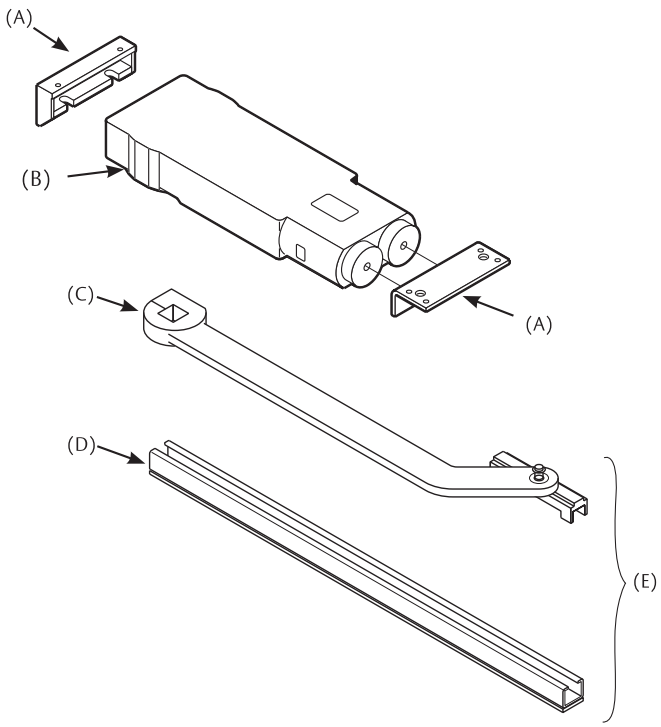

**Specify finish*

SCREW KITS

Screw Kit 608064

(A) Closer Mounting Kit 608019

(B) Closer Body (Specify Complete Model No. x LAP)

(C) Arm Assembly (sprayed finishes only) 0608312-*

(D) Rail 0608109

(E) Arm & Rail Package (sprayed finishes only) 06082012-*

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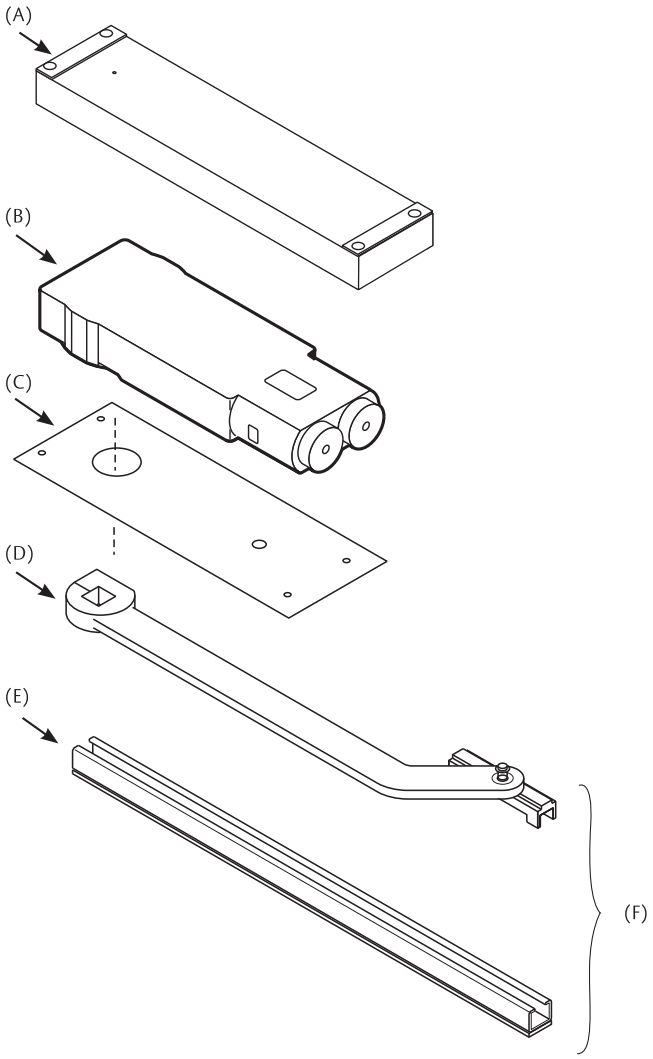
M0608/MW0608/W0608



*Specify finish

SCREW KITS

Cover Plate Screw Kit 107022-*

Screw Kit 608064

(A) Closer Mounting Kit 608049PKG
(B) Closer Body (Specify Complete Model No. x LAP)
(C) Cover Plate 6084000-*
(D) Arm Assembly (sprayed finishes only) 0608312-*
(E) Rail 0608109
(F) Arm & Rail Package (sprayed finishes only) 06082012-*

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Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-013-VD_T25A

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Exit Device
Item Type	Panic Exit Device, electric
Description	Panic exit device, exit only (no outside trim), electric latch retraction
Manufacturer	Von Duprin (Allegion)
Model	EL99NL-OP
Dimensions	8" x 2 3/4" x2 3/8" (203mm x 70mm x 60mm)
Color	Satin Chrome
Finish	US26D
Material Composition	Steel
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	ANSI/BHMA Grade 1
Fire/Smoke Rating	Up to 3 hours
Operation	Manual, no dogging
Best Practices	Recycled content
Quality Standards	ANSI/BHMA
Accessibility Compliance	ADA and ANSI A117.1
Accessories	Requires one (1) electric power transfer (EPT10); one (1) power supply (PS914)
Warranty	10 years

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Von Duprin (Allegion)
Contact Name:
Phone: 877-671-7011
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Indoor Pool

DH-013-VD_T25A

ALLEGION

VON DUPRIN

98/99 Series

Exit devices

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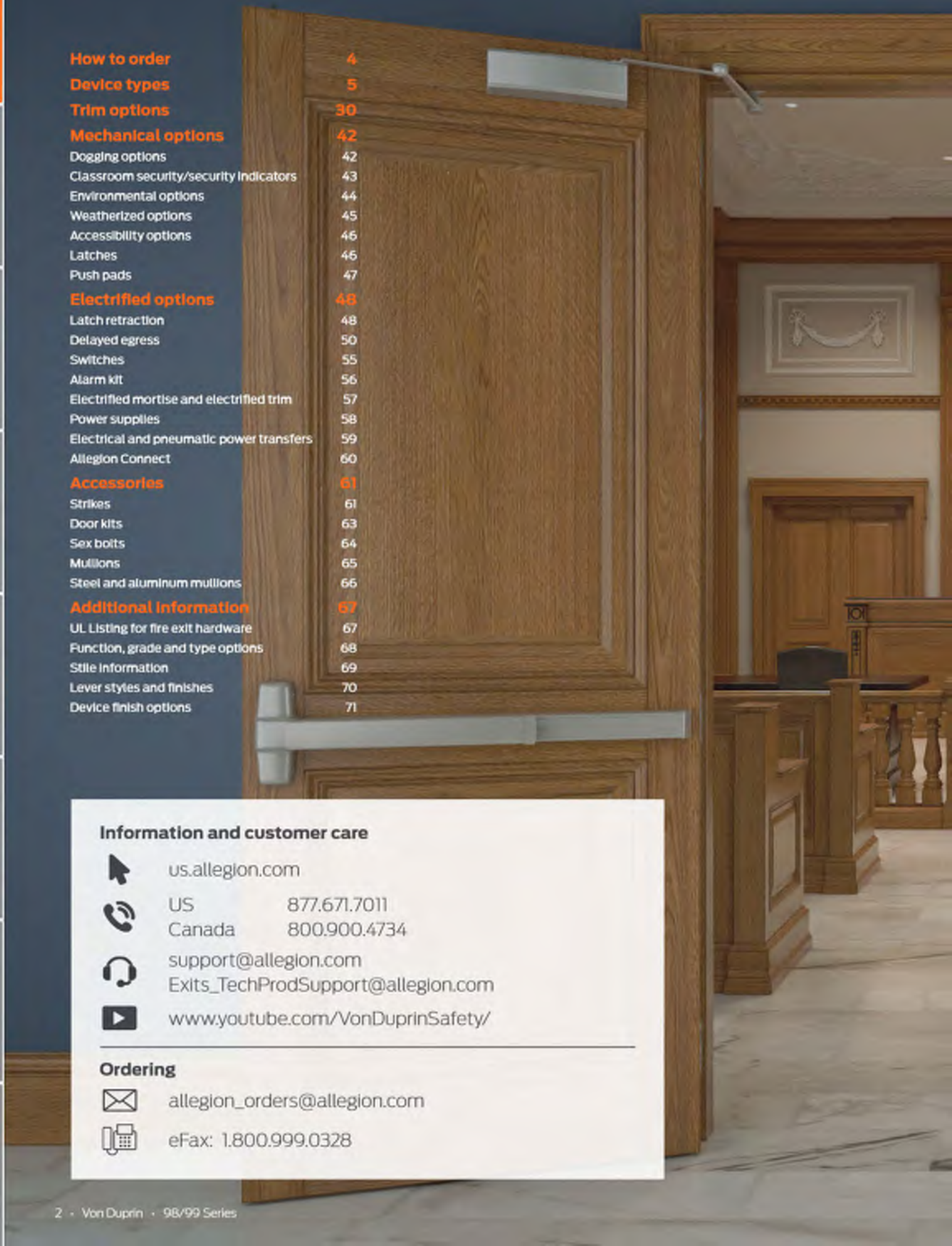

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Exits_TechProdSupport@allegion.com

www.youtube.com/VonDuprinSafety/

Ordering

allegion_orders@allegion.com

eFax: 1.800.999.0328

Nomenclature – how to order

Prefix	Device series/type		Trim/ rating		Suffix/ finish		Door width	Handing	Less bottom rod/cable	Trim options/ finish	Lever style	Accessories	Other information
1	2	3	4	5	6	7	8	9	10	11	12	13	14
QEL	98	27	L	F	—	626	3'	RHR	LBR	996/626	299F/06	SNB	HM

Detail

1 Prefixes

None	Standard
AX	Accessible device
CD	Cylinder dogging - panic only
CDSI	Cylinder dogging with security indicator
CI	Cylinder dogging indicator
CD-CX	Chexit cylinder dogging
CX	Chexit
DI	Dogging indicator
E	Electric locking mortise/lever
EL	Electric latch retraction
HDSI	Hex dogging with security indicator
HH	Hurrican device
LD	Less dogging
LX	Latch bolt monitoring
LX-LC	Latch bolt monitoring, low current
LX-RX	Latch bolt monitoring, request to exit
LX-RX-LC	Latch bolt monitoring, request to exit low current
PL	Pullman latch
PN	Pneumatic latch retraction
QEL	Quiet electric latch retraction
QM	Quiet mechanical
RX	Request to exit
RX2	Double request to exit
RX-AUX	Request to exit, auxiliary
RX-LC	Request to exit, low current
SD	Special dogging -panic only
SS	Signal switch
WP-RX	Waterproof request to exit
WS	Windstorm (FEMA rated) surface vertical rod device
XP	Heavy protection - rim

2 Device series

98	Series 98-smooth
99	Series 99-grooved

3 Device type

None	Rim device
27	Surface mounted vertical rod device
47	Concealed vertical rod device
47WDC	Concealed vertical rod wood door device
48	Concealed vertical rod device
49	Concealed vertical cable device
50WDC	Concealed vertical cable wood door device
52	Rim device with remote trim input (pool exit hardware)
57	Three-point latch device
75	Mortise lock device

4 Trim functions

EO	For AD or CO locks, order the panic as Exit Only (EO)
DT	Dummy trim
EO	Exit only
HL	Hospital pull trim
K	Knob
K-BE	Knob - blank escutcheon
K-DT	Knob, rigid - dummy trim
K-NL	Knob, rigid - night latch
L	Lever (classroom)
L-BE	Lever - blank escutcheon
L-DT	Lever, rigid - dummy trim
L-NL	Lever, rigid - night latch
NL	Night latch
NL-OP	Night latch cylinder assembly, optional pull
TL	Turn lever
TL-BE	Turn lever - blank escutcheon
TP	Thumbpiece
TP-BE	Thumbpiece - blank escutcheon

5 Rating

F	Fire exit hardware
Blank	Panic exit hardware

6 Suffix

-2	Double cylinder (rim and mortise only)
-2SI	Double cylinder with security indicator (rim only)
CON	Connectors
WH	Weep holes

7 Finish

605	Bright Brass
606	Satin Brass
612	Satin Bronze
619	Satin Nickel
622/711	Matte Black/Matte Black, Anodized
625	Bright Chrome
626	Satin Chrome
626AM	Satin Chrome, Antimicrobial
628	Aluminum, Anodized
630	Satin Stainless
630AM	Satin Stainless, Antimicrobial
643e	Aged Bronze
693	Black Paint
710	Dark Brown, Anodized

8 Door width / Door thickness

Door width		Door thickness	
3'	Standard default	1 3/4"	Standard
4'		2 1/4"	Optional
2'	Vertical only		

9 Handing

LHR	Left hand reverse
RHR	Right hand reverse

10 Less bottom rod/cable

LBR	Less bottom rod
LBL	Less bottom latch
LBR-AFL	LBR with fire pin
LBL-AFL	LBL with fire pin

11 Trim options/finish

See trim options/finish for each device type

12 Lever style

06	Standard default (optional levers available

13 Accessories

CYL	Cylinder
GBK	Glass bead kit
SEC	Security screws
SLM	SLM blocking
SNB	Sex bolts

14 Other information

Touchbar options

BRAILLE	Vision impaired touchpad, raised letter, and braille
PUSH	Touchbar trim embossed 'PUSH'
RSS	Red silk-screened lettered touchbar trim
KN	Knurled touchbar
SG	Safety glow

Miscellaneous

CE	CE labeled
LCP	Less cover plate
IOWDA	#IOWDA cover plate
RAT REL	Ratchet release assy

Door material

AL	Aluminum door
HM	Hollow metal
WD	Wood door
CP	Composite door
INS2	Insulclad - 1/2"
INS4	Insulclad - 1/4"
SC	Steelcraft, HH device only

Door application

D	Double egress
P	Pair of doors
S	Single door

Note: Not all options are listed. See the specific device type pages for complete options available.

98/99 Rim exit device

98 and 99 rim exit devices for all types of single and double doors with mullion, UL listed for panic exit hardware. Devices are certified to ANSI/BHMA A156.3 2014, Grade 1. The 98 device has a smooth mechanism case and the 99 device has a grooved case. The rim device is non-handed except when the following device options are used: SD (special dogging), -2 (double cylinder) or SS (signal switch). Covers stock hollow metal doors with 86 or 161 cutouts on single doors (may cover cutouts on pairs – consult template).

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device
Device lengths	3' 2'4' to 3' (711mm to 914mm) Door size 4' 2'10" to 4' (864mm to 1219mm) Door size
Device centerline from finished floor	39 13/16" (1011mm) 39 11/16" (1008mm) with mullion
Center case	8" x 2 3/4" x2 3/8" (203mm x 70mm x 60mm)
Mechanism case	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar neutral – 3 13/16" (97mm) Pushbar depressed – 3 1/16" (78mm)
Latch bolt	Deadlocking, 3/4" (19mm) throw
Finishes	605, 606, 612, 625, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 3/4" (44mm) and 2 1/4" (57mm) thick metal or wood doors (Optional 425 SNB available, see page 64 for quantities)

Accessories

299 Strike
Ships standard,
optional strikes available.

Hex key dogging
Comes standard on
98/99 rim exit devices.

Features and options

Electrified options

LX	Latch bolt monitor switch
RX	Request to exit
RX2	Double request to exit
E	Electric locking and unlocking trim
EL	Electric latch retraction
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

-2	Double cylinder
-2SI	Double cylinder with security indicator
AX	Accessible device
GBK	Glass bead kit
PN	Pneumatic latch retraction
QM	Quiet mechanical
SNB	Sex bolts
SEC	Security screws
WH	Weep holes
XP	Extra protection

Dogging feature

Hex key dogging standard

Dogging options

CD	Cylinder dogging
CD-CX	Chexit cylinder dogging
CDSI	Cylinder dogging with security indicator
HDSI	Hex dogging with security indicator
SD	Special center case dogging
LD	Less dogging
DI	Dogging indicator
CI	Cylinder dogging indicator

Strikes

299 – Dull black

No trim

Trim description		
Nomenclature	EO	110NL-MD 110NL-WD
Trim function	No outside trim	Night latch optional pull
Function description	Exit only	Key retracts latch bolt, optional pull required
ANSI function	01	03
Device compatibility		
98/99/ XP98/XP99 Rim	■	■
98/99/ XP98/XP99 Rim-F	■	■
98/9927/27-F	■	■
98/9947/47-F	■	■
98/9947WDC/WDC-F	■	■
98/9948/48-F	■	■
98/9949/49-F	■	■
98/9950WDC/50WDC-F	■	■
98/9952†	■	
98/9957/57-F	■	■
98/9975/75-F	■	
Dimensions		
Escutcheon plate size	—	—
Pull center to center	—	—
Projection	—	—
Handing		
	—	—
Cylinder type		
Rim or vertical device	—	Rim
Mortise lock device	—	—

† Default trim is 252L /L-BE. Must be ordered as EO when paired with other trims (ordered separately).

941071-00

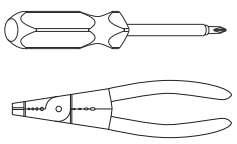
Electric Power Transfer (EPT)

EPT2, EPT10, & EPT10C

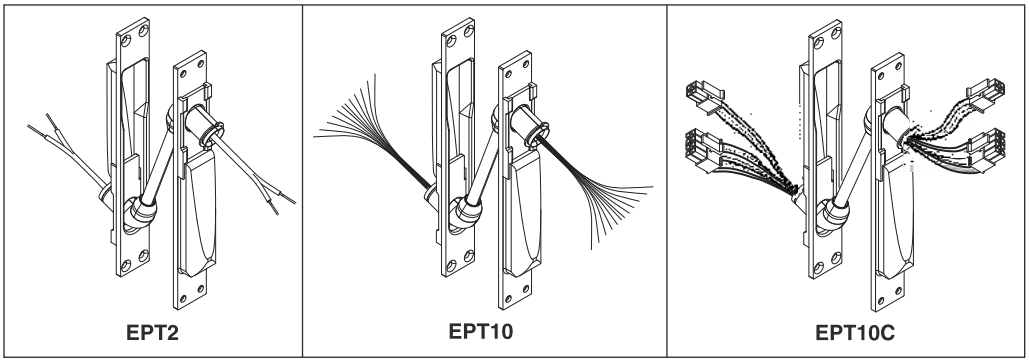
VON DUPRIN®

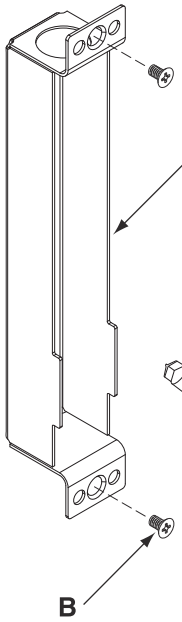
Installation Instructions

Tools for Install

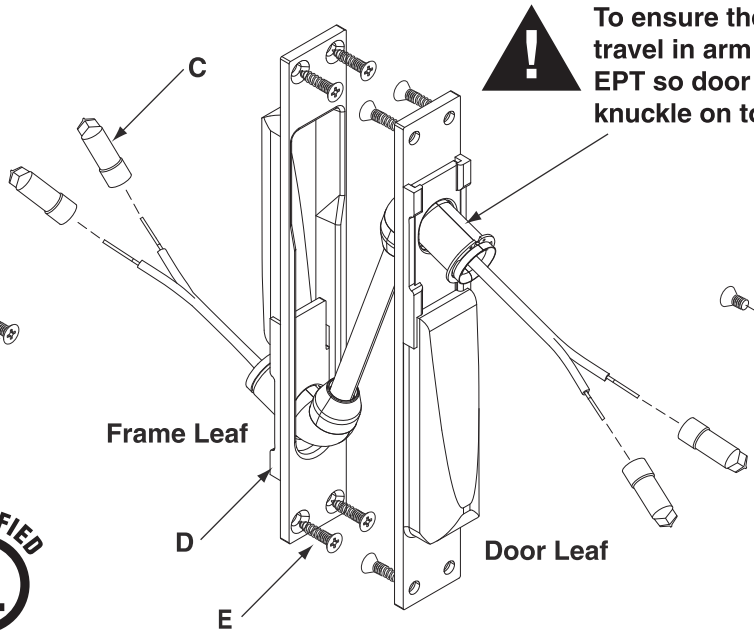


Read all Warnings Before Starting Installation!

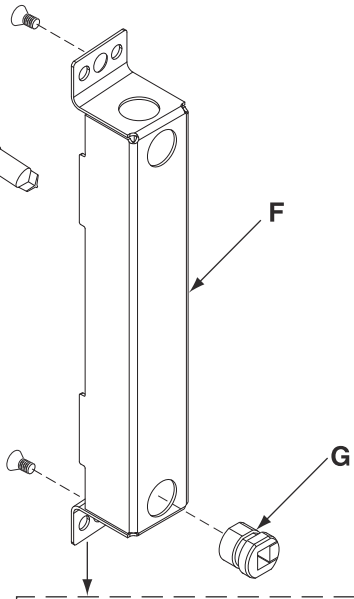


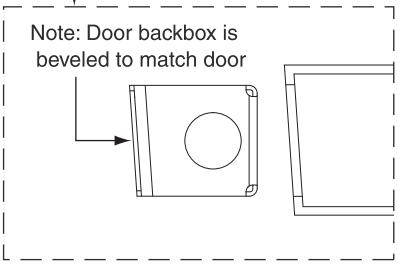


To ensure the maximum amount of travel in arm for cam lift hinges, install EPT so door side leaf is oriented with knuckle on top.



EPT2 Shown





A. Frame Backbox
B. Metal - #10-24 x 3/8” Flat Phillips Head Machine Screw (4)
   Wood - #10 x 3/4” Flat Phillips Head Wood Screw (4)
C. EPT2 - Wire Connectors 12 Gauge Yellow (4)
   EPT10 - Wire Connectors 18 Gauge Violet (20)
   EPT10C - Wire Connectors 18 Gauge Violet (20)
D. EPT Assembly
E. Metal - #10-24 x 3/4” Flat Phillips Head Machine Screw (8)
   Wood - #10 x 3/4” Flat Phillips Head Wood Screw (8)
F. Door Backbox
G. Strain Relief

ALLEGION

Customer Service
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941071-00 Rev. 8/19-f

General Information

An electric power transfer (EPT) provides a wiring path from the door to the frame.

These instructions assume that a factory-prepped door and frame are being used. If the door and frame have not been factory-prepped, see the included dimensioned template.

Before beginning the installation, review “Specifications” and “Warnings”.

Specifications

Applications

EPT **can** be used for:

- Door Thickness - 1-3/4” minimum
  Note: The following specifications apply to a 1-3/4” thick door.
- 0 - 180° opening with up to 5” butt hinges
- 0 - 180° opening with up to 3/4” offset pivots
- 0 - 130° opening with 5-1/2” butt hinges
- 0 - 110° opening with 6” butt hinges

EPT **cannot** be used for:

- 1-1/2” offset pivots
- larger than 6” butt hinges
- pocket pivots
- swing clear hinges
- center hung door (center pivot)
- balanced door

Electrical Ratings

EPT2

- Two 18AWG wires
- Max. Rating: 24VDC, 5A or 120VAC NEC Class 3

EPT10 & EPT10C

- Ten 24AWG wires
- Max Rating: 24VDC, 1A

Read all Warnings Before Starting Installation!

⚠ CAUTION Do not exceed rated specifications (shown above).

⚠ CAUTION EPT must be installed in accordance with these instructions by a qualified electrician.

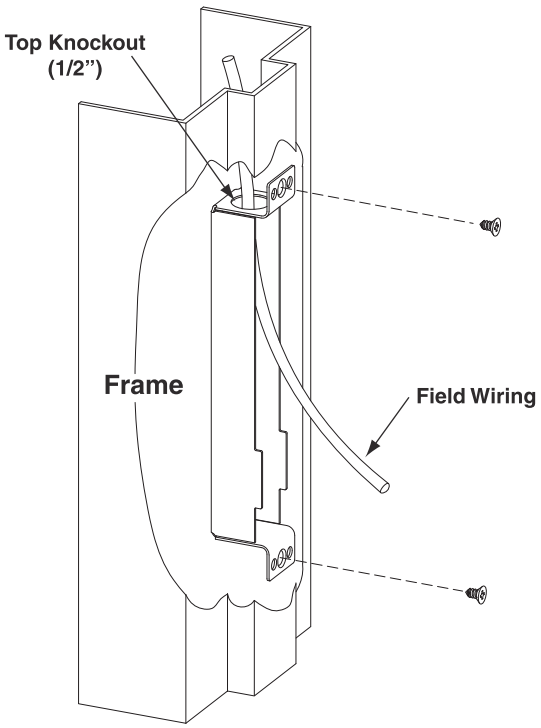
⚠ CAUTION Wiring must be in accordance with all local codes and regulations.

Installation

1 Use Template from Back Page to Verify Preparation

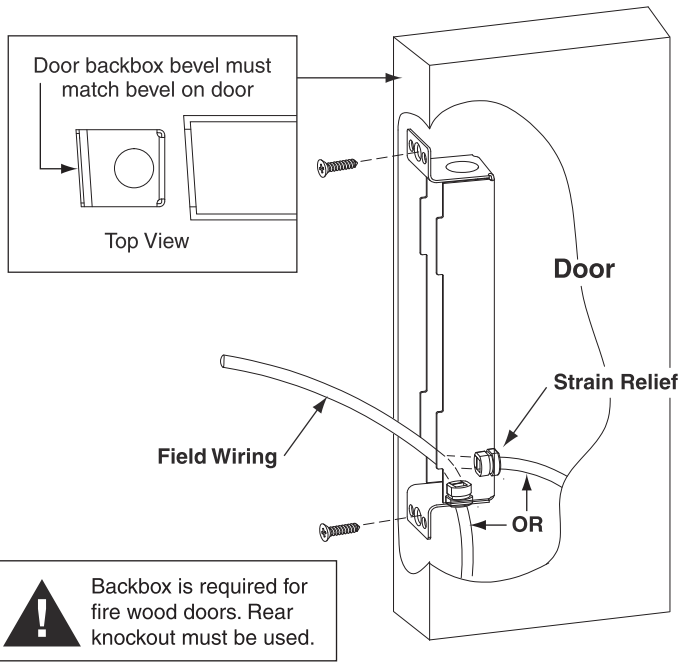
2 Mount Frame Backbox

A. Remove knockout from top
B. Install 1/2" conduit, if used
C. Pull 5" of field wiring through knockout



3 Mount Door Backbox

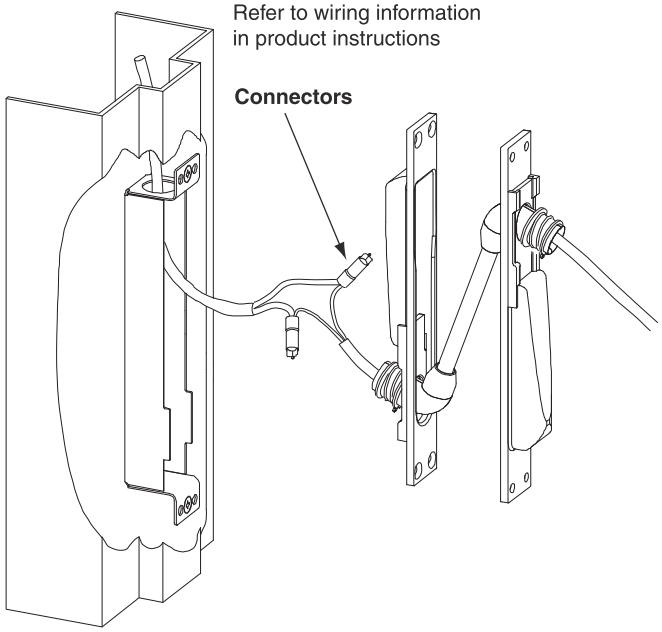
A. Ensure backbox bevel matches door bevel
B. Remove knockout: - from bottom for **metal** doors
- from back for **wood** doors
C. Pull 5" of field wiring through knockout
D. Install strain relief



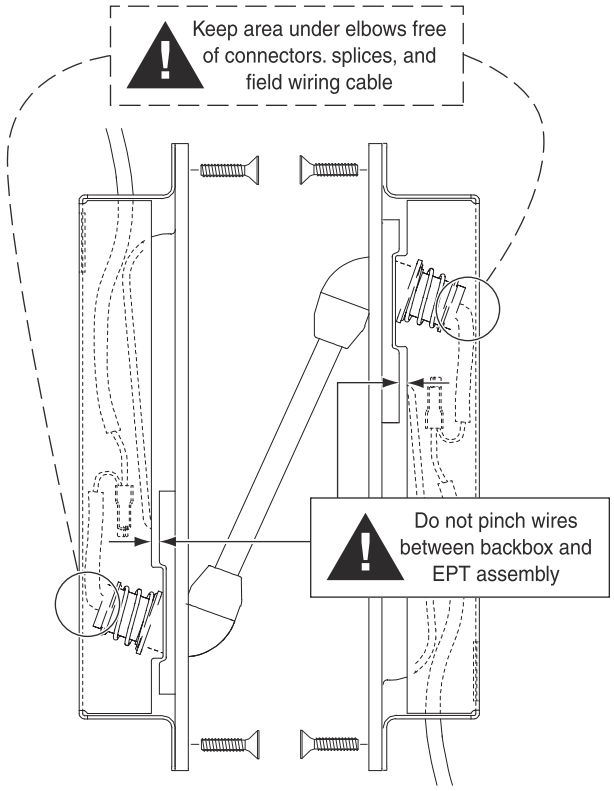
Backbox is required for fire wood doors. Rear knockout must be used.

4 Connect Wires

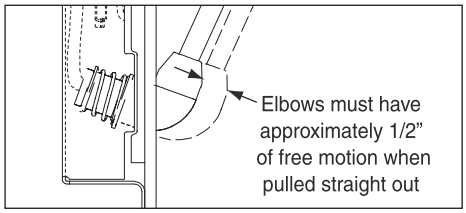
Refer to wiring information in product instructions



5 Mount EPT Assembly

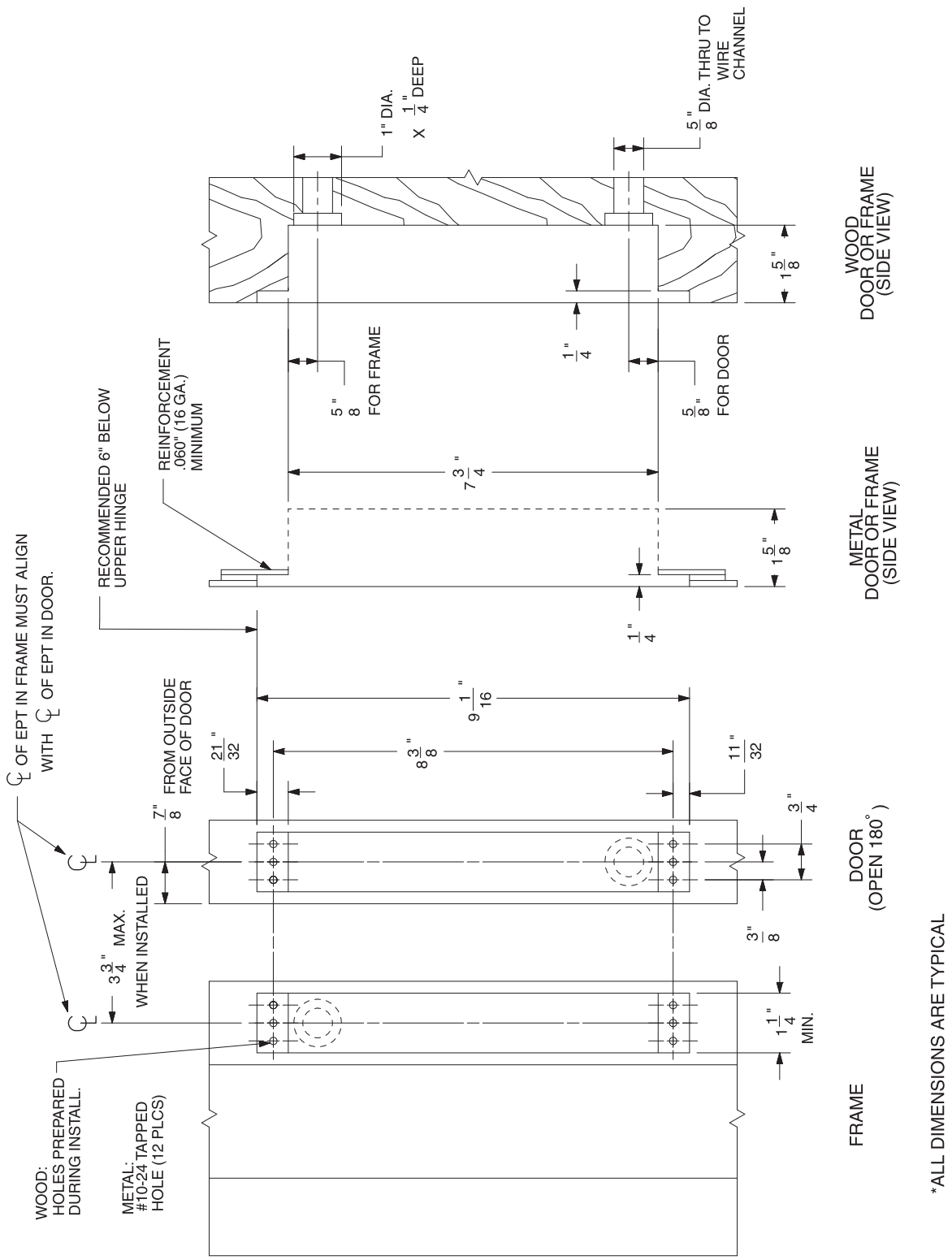


6 Verify that door opens and closes properly without binding and that electrical components function



Template

Note: This drawing is not to scale



ALLEGION™

VON DUPRIN®

PS914

4 amp high in rush power supply

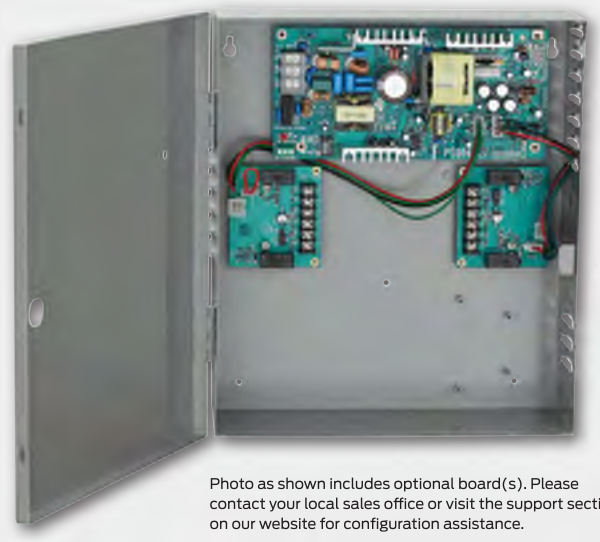


Photo as shown includes optional board(s). Please contact your local sales office or visit the support section on our website for configuration assistance.

Overview

Von Duprin power supply and option board products were designed to meet the specific requirements of electrified fire exit devices.

Installation is simplified by utilizing a flat mounting design and polarized locking connectors for option boards. This design eliminates the need for racks and side connectors. The flat mounting of the option boards also provides for easier access to the terminal blocks for connection of electrified devices (such as electrified panic devices, strikes, card readers, etc.).

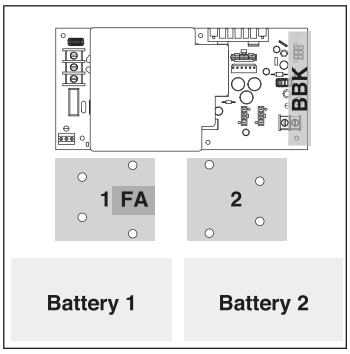
Common to the line of PS900 Series power supplies is a constant output rating at both 12v and 24v settings, universal 120 VAC to 240 VAC input, and polarized option board connectors. New fire alarm interface board mounting allows outputs to be configured as switched (power cut) or unswitched (power continues) when signal is provided.

Features and benefits

- 4A @ 12/24 VDC constant output, field selectable with jumper
- Designed for use with electrified panic devices requiring high in rush current
- Provides low-voltage, Class 2, filtered and regulated power
- Universal 120-240 VAC, fused primary input
- Two polarized option board connectors
- AC input and DC output monitoring circuit with LED indicators
- Externally visible AC input indicator with isolated SPDT contacts
- High-voltage protective cover for AC circuitry (not shown)
- Battery back-up board auto-selects voltage
- Optional Fire Alarm plug-in board available
- UL 294, ULC-S318, RoHS, and FCC Part 15 certified

Configuration options

Available option board, fire alarm and battery backup connection locations:



Exit device support

Von Duprin QEL	Up to 8[1]
Von Duprin EL	Up to 8[1,2]
Falcon EL	Up to 8[1,2]

1. Requires the use of two 900-4RL option boards

2. Distance from power supply may be limited with multiple EL applications - consult technical support for wire run lengths

PS914 power supply specifications

Specification	Description
Input voltage	120/240 VAC, 50/60 Hz, universal input
Output voltage	4A @ 12 or 24 VDC Field selectable with jumper Switching supply, 5% regulation, 360mVpp max ripple
Enclosure	Grey/baked enamel 14" x 12" x 4" (H x W x D) Eight ½" x ¾" knockouts Hinged cover with lock down screws
Operating temperature	32º - 120ºF (0º - 49ºC)
Certifications	ANSI/UL 294 ULC-S318 RoHS FCC Part 15 Class 2
Battery backup (install on main board)	900-BB: Battery backup board only 900-BBK: Battery backup kit (backup board plus battery pack)
Available option boards	900-FA: Plug-in fire alarm (must be installed on option board) 900-2RS*: 2 Relay option board capable of individual or sequential operation for single and pair door applications 900-4R*: 4 Relay option board 900-4RL*: 4 Relay option board with integrated logic and individual or sequential operation capability for controlling security interlocks, auto operators and time delay function 900-8F*: Fused, 8 zone option board 900-8P*: PTC, 8 zone option board
AC primary fuse size	6.3A, 250v, 5 x 20mm
Battery fuse size	7.5A 32v ATO blade style
DC output protection	Overload protection - current limited foldback circuit
Indicators	LED indicators: - AC input (visible on outside of enclosure) - DC output Isolated SPDT contacts to monitor AC power status
Weight (power supply)	Approx. 9.0 lbs
Weight (each battery)	4.0 lbs
AC input termination	3 position terminal block with protective cover Wire capacity: 10 AWG max.
DC output termination	2 position terminal block Wire capacity: 12 AWG max.
Option board connectors	2
Fire alarm board connector	Yes (requires connection on option board)
Keylock	Optional
Accessories	900-BAT: Backup battery pack

* Compatible with plug-in fire alarm board (900-FA)

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About Allegion

Allegion (NYSE: ALLE) is a global pioneer in safety and security, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion produces a range of solutions for homes, businesses, schools and other institutions. Allegion is a $2 billion company, with products sold in almost 130 countries. For more, visit **www.allegion.com.**

KRYPTONITE ■ LCN ■ SCHLAGE ■ STEELCRAFT ■ VON DUPRIN

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Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

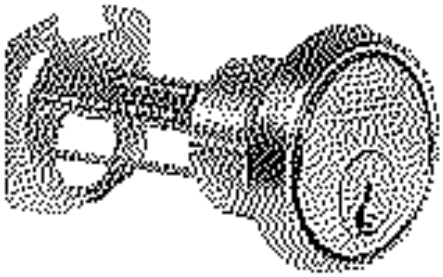
DH-014-SG_T25A

Revision 1

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date: **Nov 23, 2022**

Item Name	Lock cylinder
Item Type	Rim Cylinder
Description	Rim cylinder, 6-pin configuration
Manufacturer	Sargent (Assa Abloy)
Model	34
Dimensions	NA
Finish	US15
Material Composition	Solid brass
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	BHMA A156.5 Grade 1
Operation	Manual
Best Practices	Recycled content
Quality Standards	BHMA A156.5
Accessibility Compliance	ADA and ANSI A117.1
Accessories	No. 97 rosette and compression spring, “break-off" screws and back plate
Warranty	Lifetime



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Assa Abloy
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Indoor Pool

40 Series Mortise Cylinders and 34 Series Rim Cylinders

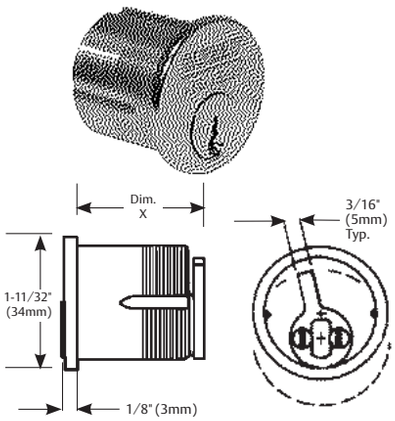
Cylinders and Components

SARGENT®
ASSA ABLOY

40 Series Mortise Cylinder

- Cylinder: Solid brass, 1-5/32" (29mm) diameter
- Cap: Brass, bronze or stainless steel
- Furnished standard with No. 97 rosette and compression spring
- Optional Collars/Spacers available and ordered separately, refer to product catalogs for additional information
- See Cam Chart on Page 6 for cam required
- 6 pin standard; for 7 pin specify "7 pin", size 42 minimum
- No. 41 cylinder not available in 7 pin
- Mortise cylinder assemblies that are ordered without hardware are supplied with standard SARGENT offset cam 13-0664
- Cylinder finishes: 3, 4, 9, 10, 10B, 10BE, 10BL, 15, 20D, 32, 32D
- Plug finishes: 4, 15

	Length under cylinder head									
Cylinder No.	41	42	43	44	46	48	50	52	54	56
Dim. X	1-1/8" (29mm)	1-1/4" (32mm)	1-3/8" (35mm)	1-1/2" (38mm)	1-3/4" (44mm)	2" (51mm)	2-1/4" (57mm)	2-1/2" (64mm)	2-3/4" (70mm)	3" (76mm)

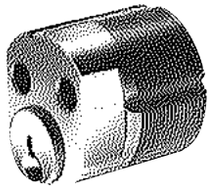


50-40 Series Hotel Type Cylinder

Features same as standard 40 Series cylinders except:

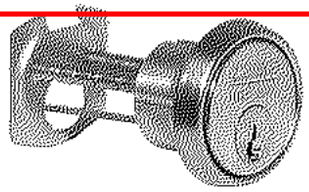
- For use with 7850 or 8250 lock only
- 6 pin only
- Contact factory for compatibility requirements for existing 6 pin systems
- Uses only cam #115 (13-2045)
- Guest and Master keys will only retract the latch bolt but not project or retract the dead bolt
- Emergency keys (catalog # 7268 EMK) retract the latchbolt and deadbolt and can also project the deadbolt
- C Series keyways supplied standard, specify if different keyway is required. On 1 bitted or KD, CA key way will be supplied if not otherwise specified
- Consult Sargent Key records dept. when adding Hotel cylinders to existing key systems for compatibility
- Length under cylinder head (Dim. X)
  50-43 1-3/8" (35mm); 50-44 1-1/2" (38mm)

78-40 Series Exposed Shell Only Cylinders



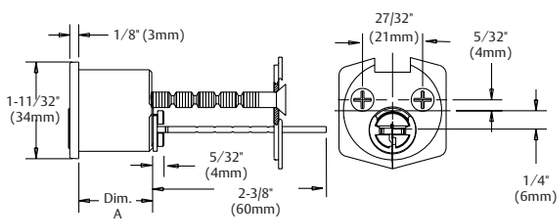
- Cylinder: Solid brass, 1-5/32" (29mm) diameter
- 6 pin standard, for 7 pin specify "7 pin"
- For use with SARGENT mortise locks with Escutcheon Trim (KE 3/4, LE 3/4) only
- See Function Table on Page 6 for cam required
- 78-41 6 pin; single cylinder function only except 50
- 78-42 6 or 7 pin; single cylinder functions only
- 78-43 6 or 7 pin; all functions except 50
- Plug finishes: 4, 15

34 Series Rim Type Cylinder



- 27/32" (21mm) screw pattern for through-bolted SARGENT exit devices
- Cylinder: Solid brass
- Cap: Brass, bronze or stainless steel
- Furnished standard with No. 97 rosette and compression spring, "break-off" screws and back plate
- 6 pin standard, for 7 pin specify "7 pin"
- Horizontal tail piece only
- Cylinder finishes: 3, 4, 9, 10, 10B, 10BE, 10BL, 15, 20D, 32, 32D
- Plug finishes: 4, 15

No. of Pins	Door Thickness when used with outside trim	Dim. A (Min.)
6	2-3/8" to 3-1/4" (60mm to 82mm)	1-1/16" (27mm)
7	2-1/2" to 3-1/2" (64mm to 89mm)	1-7/32" (31mm)



All cylinders are standard 6 pin and are supplied with 2 nickel silver change keys unless noted. In cylinders ordered for 5 pin systems, the (6th) last chamber will be empty.

When double cylinder locksets are keyed alike on both sides, 2 change keys are supplied.

For cylinders in competitive keyways, see Page 11.

Cylinders are supplied random keyed unless specified 1 bitted or master keyed. For master keyed orders provide keying details as requested on SARGENT Keyed Order Lead Sheets, located in the price book or contact customer service.

Cylinders BHMA A156.5 Grade 1 listed except hotel functions.

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Cylinder Parts: Mortise and Rim Cylinders

Cylinders and Components

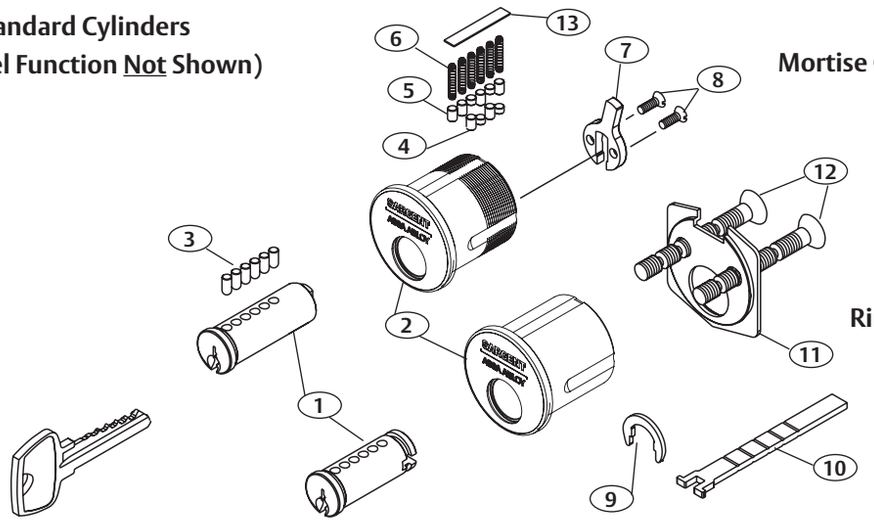
SARGENT
ASSA ABLOY

34 Rim/40 Series Mortise Cylinder Parts

Item	Description	Part Number	Where Used	Comment
1	Plug	See Table Below	40 Mortise & 34 Rim	
2	Cylinder Shell, Cap & Slide Assy.	See Table Below	40 Mortise & 34 Rim	Illustration Shows Slide Disassembled
3	Bottom Pin	See Table Page 13	40 Mortise & 34 Rim	
4	Master Pin	13-0062	40 Mortise & 34 Rim	Pin No. 10 (Length .260)
5	Top Pin	See Table Page 13	40 Mortise & 34 Rim	
6	Compression Spring	13-0265	40 Mortise & 34 Rim	
7	Cam	See Table Page 6	40 Mortise	
8	Screw	01-1121	40 Mortise	#3-48 x 5/16" (8mm) PH. FL.
9	Plug Retainer	13-0080	34 Rim	
10	Tail Piece	13-0085	34 Rim	
11	Cylinder Back Plate	13-0086	34 Rim	
12	Connecting Screws Standard Connecting Screws	13-0075 13-0074	34 Rim 34 Rim	#12-24 x 2-5/8" (67mm) #12-24 x 2-1/8" (54mm)
13	6 Pin Slide 7 Pin Slide	13-0779 13-0780	40 Mortise & 34 Rim 40 Mortise & 34 Rim	Mfg prior to 06-2008* Mfg prior to 06-2008*
13	6 Pin Slide 7 Pin Slide	13-1341 13-1797 v	40 Mortise & 34 Rim 40 Mortise & 34 Rim	Mfg after 06-2008* Mfg after 06-2008*

* See page 10 for Details

Standard Cylinders
(Hotel Function Not Shown)



Mortise Cylinder

Rim Cylinder

No.	Cylinder Length	6 Pin Plug Part Number	7 Pin Plug Part Number	6 Pin Shell & Slide Assy. Part Number	7 Pin Shell & Slide Assy. Part Number
34	—	13-0090	13-0587	13-2005	13-2712
41	1-1/8" (29mm)	13-0401	N/A	13-2005	N/A
42	1-1/4" (32mm)	13-0402	13-0402	13-2006	13-2765
43	1-3/8" (35mm)	13-0403	13-0403	13-2766	13-2766
44	1-1/2" (38mm)	13-0404	13-0404	13-2767	13-2767
46	1-3/4" (44mm)	13-0405	13-0405	13-2768	13-2768
48	2" (51mm)	13-0406	13-0406	13-2769	13-2769
50	2-1/4" (57mm)	13-0407	13-0407	13-2770	13-2770
52	2-1/2" (64mm)	13-0408	13-0408	13-2771	13-2771
54	2-3/4" (70mm)	13-0409	13-0409	13-2772	13-2772
56	3" (76mm)	13-0474	13-0474	13-2773	13-2773

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Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-016-SA_T25A

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Entry Lock (less deadbolt)
Item Type	Entry Lock with RFID Reader
Description	Electronic mortise lockset with 1" (25.4mm) and 5/8" (15.9mm) dead-locking latch bolt (LESS DEADBOLT)
Manufacturer	DormaKaba/Saflok
Model	Saflok Quantum RFID X ADB X BLE X Troy
Color	Satin Nickel
Finish	US15
Material Composition	Plated carbon steel
CSI #	087100 - Door Hardware
Omniclass #	22-087100 - Door Hardware
Grade	ANSI Grade 1
Best Practices	Recycled content of steel
Quality Standards	ANSI/BHMA A256.13-2012 Standard for Mortise Locks and Latches," and "ANSI/BHMA A256.25-2013 Standard for Electrified Locking Devices."
Accessibility Compliance	At a minimum, comply with accessibility regulations and standards of the country where the project is located. If governing accessibility regulations and standards do not exist, comply with the criteria as outlined by the U.S. ADA Standards for persons with disabilities. (www.ada.gov)
Accessories	Four (4) AA batteries
Handle Finish	Satin nickel US26D
RFID Finish	Black
Handle	Troy
Lead Time	Verify with manufacturer at time of purchase.
Warranty	2 Years
Notes	Case hardened full 1 inch (ANSI) Throw. Deadbolt with panic release function - deadbolt and latch are automatically retracted by inside handle for easy egress in case of emergency

SPECIAL INSTRUCTIONS

GC/Designer to determine handing necessary for project and order accordingly.

MANUFACTURER

Vendor Name: Saflok (dormakaba)
Contact Name:
Phone: 800-523-8483
Email: lodgingsupport@dormakaba.com

ALTERNATE MANUFACTURER 2

AREAS

Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry

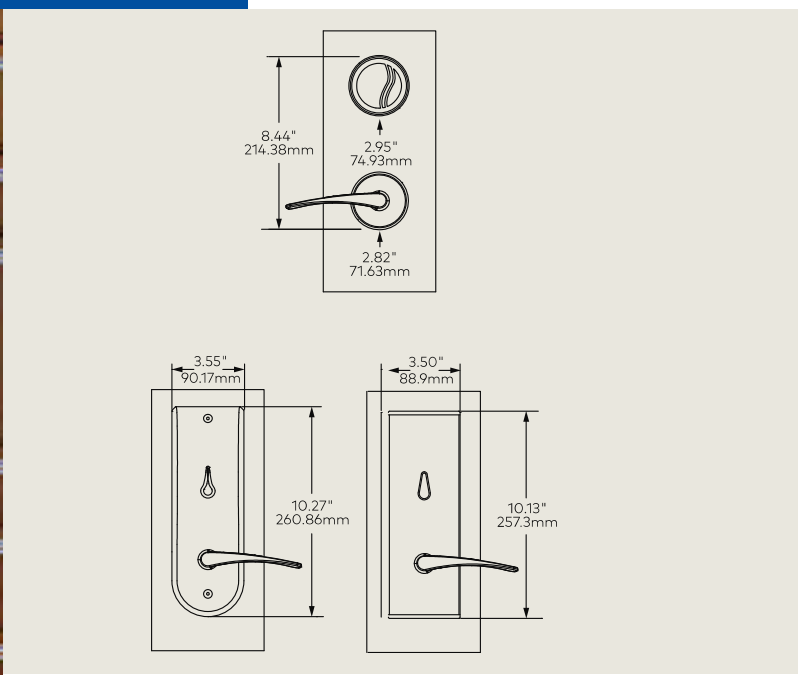
Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

ALTERNATE MANUFACTURER 3	Elevator Equipment Room Guest Laundry Fitness Center Indoor Pool Pool Equipment Pool Storage Welcome Desk Administration Engineering & Maintenance Food & Beverage Back-of-House
ALTERNATE MANUFACTURER 4	

Saflok Quantum™ RFID

dormakaba



Overview
The Saflok Quantum RFID lock offers a unique two-piece modular design with a choice of inside escutcheon look. Synonymous with superior performance, the lock is renowned for access control, life safety and security. The Quantum RFID is easy to use and works with dormakaba Access Management Software.

Mobile Access
The Quantum RFID is Bluetooth Low Energy (BLE) capable and can operate using the dormakaba Mobile Access Solutions.

Applications
- Suitable for small to very large scale hotels
- Easily replaces existing mechanical or electronic door locks throughout a facility
- Access control for guest rooms, common areas as well as back-of-house

Security Features
- High security and tamperproof design
- 1" solid deadbolt (optional auto deadbolt)
- Staff monitoring - Keycard audits
- Tracking mortise for door ajar reporting

Low Maintenance
- Batteries last up to 2 years
- Low battery indicator alerts staff
- Lock programming and audit records are not erased during battery replacement
- Operates with a completely sealed contactless reader

Access control management software
The Quantum RFID lock is supported by dormakaba's robust access management software solution that features an array of access control workflows for both guest and staff access. Optionally, choose dormakaba's online access management solution for superior control and monitoring.

Mechanical Features

Description	Electronic mortise lockset with 1" (25.4mm) throw deadbolt and ⅝" (15.9mm) dead-locking latch bolt
Handing	Factory-handed mortise (left, right, left reverse, right reverse)
Lever	ADA Compliant Apogee Arc Continental Elevon Gala Troy
Deadbolt	1" (25.4mm) throw deadbolt and ⅝" (15.9mm) dead-locking latch bolt
Door Thickness	1¾" (44.5mm) to 2⅛" (53.98mm) for standard product
Weight	Approx. 8.0 lbs with hardware
Housing Construction	Escutcheons: Zinc Levers: Brass, zinc, or stainless steel
Standard Finishes	Bright chrome, bright brass, satin chrome, satin brass, dark mahogany
Inside Trim Options	Optional ädəse or MT inside escutcheon
Standard Backset	2¾" (69.9mm) from door edge to lever
Locking Options	ANSI lock case with 1¼" or 1" lock front mortise Options: automatic deadbolt, door ajar European lock case mortise (20 x 165 mm) with 20 x 233 mm lock front mortise
Online Configurations	Messenger Ready: DAJ mortise (ANSI lock case) Standard (stand alone) inside escutcheon
	Messenger Online: Lock controller board with Messenger capability DAJ mortise (ANSI lock case) Inside escutcheon equipped with Messenger module

Mobile Access Options (Quantum RFID Series)

BLE compatible BLE ready BLE enabled	Standard Lock. Upgradable to BLE by adding BLE connector cable, end cap and BLE module Upgradable to BLE with BLE module End cap with BLE module included, no further upgrades needed

Batteries

Alkaline - Four AA battery pack	Battery life is up to 2 years Low battery indicator: alerts staff that batteries need to be changed soon

Lock Operation

Date/Time Stamp	Real-time; date and hours/minutes
Interrogation	Obtain key usage reports from the lock by using a handheld unit at the door, or increase efficiency by performing a remote Interrogation using Messenger (optional)
Pre-registered Keycards	Keys can be made up to ten days in advance without cancelling current or arriving guests
Keycard Expiration	Configurable expiration dates; can be automatically set for check out date or manually applied when making key during check in process.
Passage Mode	Set by authorized keycard or Messenger system. Can also be configured to perform an automated/pre-defined passage mode time.
Lockout Mode	Set by authorized keycard or Messenger system
Keycards Accepted	Mifare Classic keycards (4 byte NUID)
Feedback	Light indicators in reader
Diagnostics	Light indicators and handheld display
Audit Trail	Up to 4,000 events
Disability Feature	RCU readers interface with automatic power operated doors for special openings
Privacy Override	Emergency keycards

Certifications & Testing

Accessibility Standard	ADA compliant levers (Code of Federal Regulations 28 CFR Part 36 – 1994 "ADA Standards for Accessible Design")
BHMA/ANSI	Certified to be compliant with Grade One performance tests for "ANSI/BHMA A256.13-2012 Standard for Mortise Locks and Latches," and "ANSI/BHMA A256.25-2013 Standard for Electrified Locking Devices." (Only locks tested and approved by non-biased third-party test lab are allowed in the "BHMA Certified Products Directory" found at www.buildershardware.com)
Fire Rating	Listed for pre-prepared manufactured doors and certified for retrofitting on existing doors by Underwriters Laboratories for use on fire doors having up to a three-hour rating. a. U.L. Certification: GWVW.R12071 "Accessories for Single-point Locks and Latches and Fire Exit Hardware." Evaluated in accordance with UL 10B and UL 10C. b. U.L. Listing: GYQS.R11247 "Electrically Controlled Single-point Locks and Latches." Evaluated in accordance with UL 10B and UL 10C. c. Also classified in accordance with Uniform Building Code Standard 7-2, "Fire Test of Door Assemblies" (1997)
Electronics	FCC Part 15 Class A and CE directive 89/336/EEC compliant
Environmental Operating Conditions	Indoor side: 32°F to 151°F (0°C to 66°C) Outdoor side: -31°F to 151°F (-35°C to 66°C) 0% to 85% non-condensing humidity at 86°F (30°C)

Warranty

Standard Warranty	Two years
Support Programs	dormakaba Service Plans (Platinum, Gold, Silver)

T25B_Pool to Pool Vestibule

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-006-TM_T25B

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Door Stop
Item Type	Wall Mounted Door Stop
Description	Wrought concave wall bumper
Manufacturer	Trimco
Model	1270WV.626
Finish	US26D, gray rubber
Material Composition	Stainless Steel, Rubber
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	1
Best Practices	Recycled content
Fastener	screws, concealed
Warranty	2 Years

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Trimco
Contact Name: Customer Service
Phone: 323.262.4191
Email: csr@TrimcoHardware.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry
Administration
Public Restrooms
Employee Areas
Guest Laundry
Fitness Center
Indoor Pool
Pool Storage
Welcome Desk
Engineering & Maintenance
Food & Beverage Back-of-House
Corridors

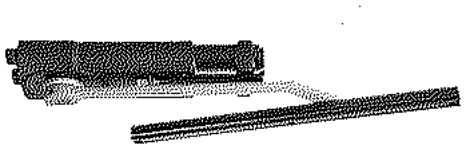
Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-012-RX_T25B

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Door closer
Item Type	Concealed overhead closer
Description	Concealed overhead door closer
Manufacturer	Rixson (Assa Abloy)
Model	0608090N X LCP
Dimensions	12-45/64" x 1-15/32"
Finish	619
Material Composition	Cast aluminum
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	1
Classification	Door closer
Fire/Smoke Rating	UL 10B and UL 10C compliance
Thermal Performance	Extreme temperature fluid (temperature range from -30 degrees F to 120 degrees F.)
Operation	Manual
Best Practices	Recycled content
Quality Standards	ANSI A156.4 Door Controls - Closers
Accessibility Compliance	ADA and ANSI A117.1
Accessories	Door mounting kit
Warranty	2 years

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Rixson (Assa Abloy)
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Indoor Pool

RIXSON

ASSA ABLOY

Experience a safer
and more open world

OVERHEAD CONCEALED CLOSERS

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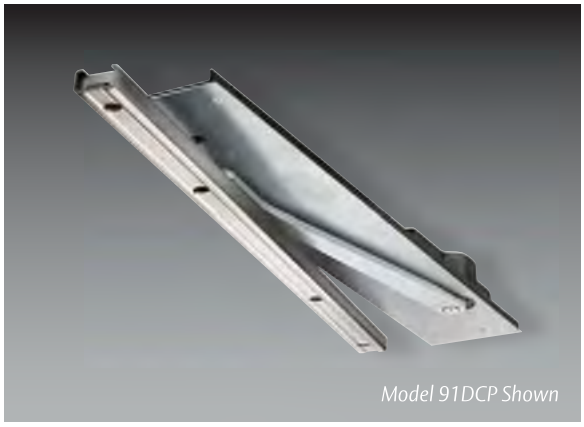

INTRODUCTION

Rixson Overhead Concealed closers offer an aesthetically appealing way to close a door. In situations where a closer is needed but concealment is required, Rixson offers several different series to meet your application demands. Concealed for minimal appearance, these offset hung or center hung (single or double acting) door closers provide control without sacrificing the aesthetics of the opening.

Series	Architectural Grade	Commodity Grade	Single Acting	Double Acting	Handed	ADA Compliant Model Available	Grade 1 Certified	Door Weight
90	•		•		•	•	•	250 lbs
700	•		•		•			200 lbs
800	•			•				200 lbs
0608		•	•					200 lbs
608		•	•	•				200 lbs

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GENERAL INFORMATION

Non-Hold Open closers do not hold the door open. This feature cannot be changed in the field on the 608, 700, or 800 series closers.

Hold Open closers hold the door open. This feature cannot be changed in the field on the 608, 700, or 800 series closers.

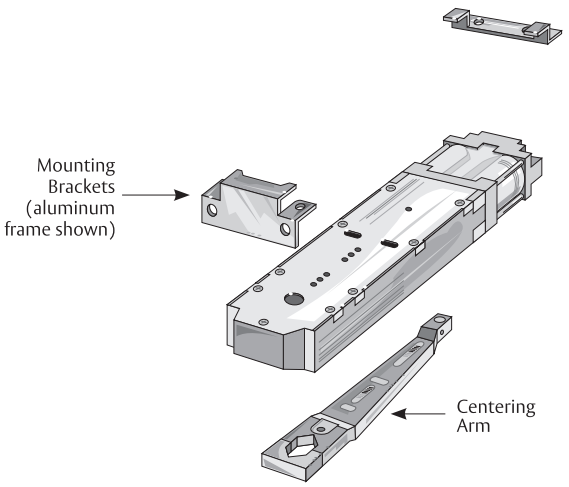
The degree of swing must be specified on some closers (refer to specific product pages for requirements).

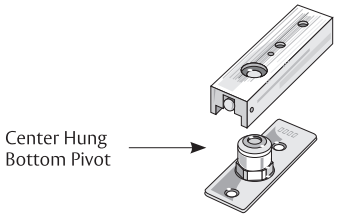
When the door closer must be concealed above the ceiling or drywall, a longer or extended spindle is required. Regular and 1/2" extended spindles available. Closer adjustment valves must always be accessible.

End caps are used to cover the mortise edges for wood doors on center hung 608 and 700/800 models. Two 199 End Caps can be furnished; one for the top arm and one for the bottom pivot.

Mounting brackets or boxes for aluminum, wood or metal frames must be specified when ordering the 608 and 700/800 series.

800 Series Shown





SPECIFICATIONS

Model 91DCP:

Model 91DCP shall be used for offset hung doors. Closer shall fit in a 1-3/4 x 4 aluminum tube. Closer shall have adjustable spring that complies to accessibility codes. Adjustable spring, backcheck, and closing speed valves must be accessible after door is installed. Where applicable, a hold open feature is achieved in the track. Closer shall be Grade 1 per ANSI A156.4. Closer shall be fire rated UL10C for doors tested for overhead concealed products up to 3 hours.

Models 700/800

Model 700 for single acting center hung doors. Hydraulic closer mechanism to fit in minimum 1-3/4" x 4" aluminum frame. Closer shall have a sized spring determined by the door width. Adjustable hydraulic backcheck and closing speed valves. Closers for single acting doors shall be handed and preloaded for positive closing action. Vertically adjustable center hung bottom pivot included. For double acting doors, use model 800 with adjustable closing speed for each swing direction. Hold open (option) is achieved through the closer body and degree called out.

Model 608

Compact cast iron body to fit in minimum 1-3/4 x 4" aluminum frame. Closer shall have separate and independent closing and latch speed control valves. Optional hold open at 90 or 105°. For center hung applications, arm shall have door centering adjustments and be directly connected to the closer spindle. Closer body is non-handed, single or double acting. Vertically adjustable center hung bottom pivot included. For independently hung doors use model 0608 with slide track arm and channel.

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Model 0608

Application

- Exterior or interior doors
- Door weight up to 200 lbs.
- Maximum door size 3'8" x 8'

Features

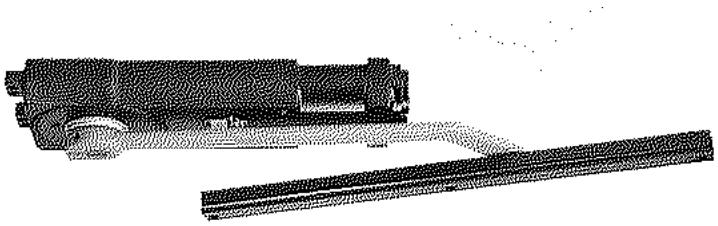
- Single acting
- Non-handed
- Available non-hold open (N) (door swings to 130°)
- Available automatic hold open - specify 90° or 105° (A)
- Arms only available in sprayed finishes
- Adjustable closing and latch speeds
- Removable frame stop required
- Product should always be used with auxiliary floor or wall stop
- Hanging means by others. Recommended product - pivot set 547. See Pivot Catalog.
- Cannot be used with a top pivot
- 2 year limited warranty

Optional Features

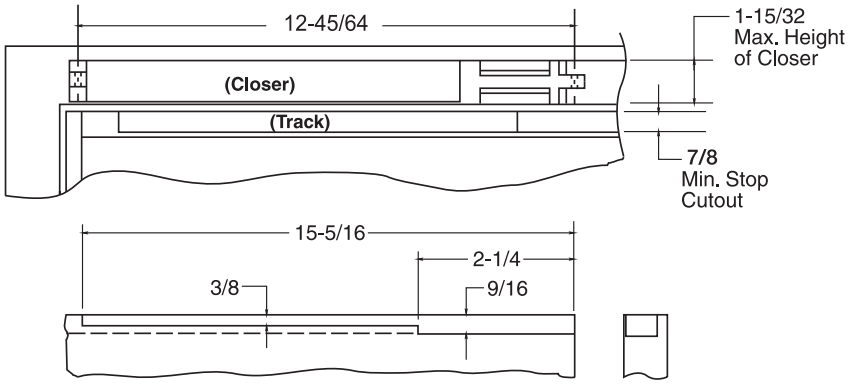
- Extended spindle; 1/2" longer than standard closer spindle. Must be ordered as part of the closer; cannot be added later

Models

- M0608 should be used on metal doors and frames. Package includes closer body, arm, frame mounting box 608049PKG*, and cover plate. Frame size 2" x 5-1/2" minimum.
- MW0608 closer should be used on wood doors and metal frames. Package includes closer body, arm, frame mounting box 608049PKG* and cover plate. Frame size 2" x 5-1/2" minimum.
- W0608 closer should be used on wood doors and frames. Package includes closer body, arm, frame mounting box 608049PKG and cover plate. Frame size 2" x 5-1/2" minimum.
- AW0608 closer should be used on wood doors and aluminum frames. Package includes closer body, arm and frame mounting clips. Frame size 1-3/4" x 4".



TECHNICAL INFO



*Note that mounting channels must be welded into frames prior to shipment to job site.

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Model 0608

HOW TO ORDER

M0608 Model	90A Hold Open	x 1/2" Ext Spdl Suffix	x 626 Finish

M0608 Model

0608 - Closer for Aluminum Door and Frames
M0608 - Closer for Metal Doors and Frames
MW0608 - Closer for Wood Doors and Metal Frames
W0608 - Closer for Wood Doors and Frames
AW0608 - Closer for Wood Doors & Aluminum Frames

90A Hold Open

90A - Hold Open
105A - Hold Open
N - Non-Hold Open

x 1/2" Ext Spdl Suffix

1/2" Extended Spindle

x 626 Finish

All Arms Are

689	Sprayed Alum
690	Sprayed Dark Bronze
691	Sprayed Light Bronze
693	Sprayed Black
696	Sprayed Brass
BSP	Black Suede Powder
WSP	White Suede Powder

Cover Plates

605	Bright Brass
606	Satin Brass
611	Bright Bronze
612	Satin Bronze
613	Dark Bronze
619	Satin Nickel
622	Flat Black
625	Bright Chrome
626	Satin Chrome
BSP	Black Suede Powder
WSP	White Suede Powder

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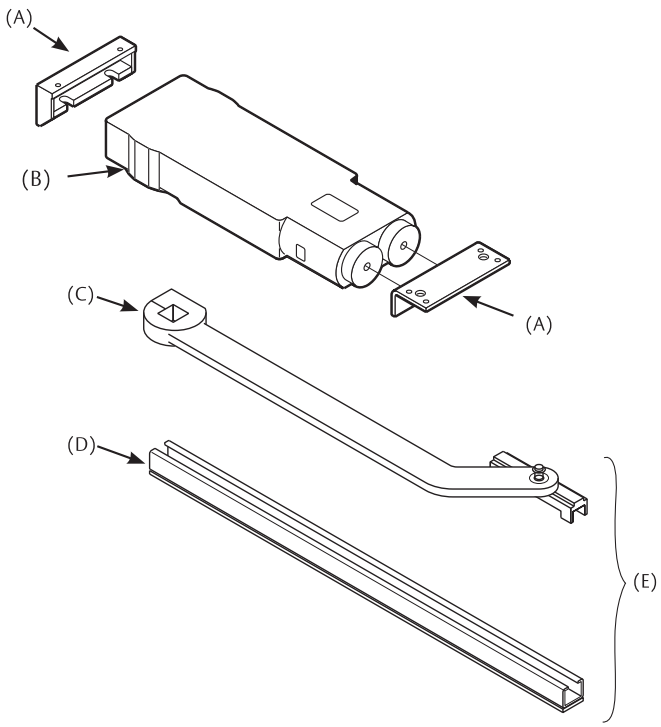

**Specify finish*

SCREW KITS

Screw Kit 608064

(A) Closer Mounting Kit 608019

(B) Closer Body (Specify Complete Model No. x LAP)

(C) Arm Assembly (sprayed finishes only) 0608312-*

(D) Rail 0608109

(E) Arm & Rail Package (sprayed finishes only) 06082012-*

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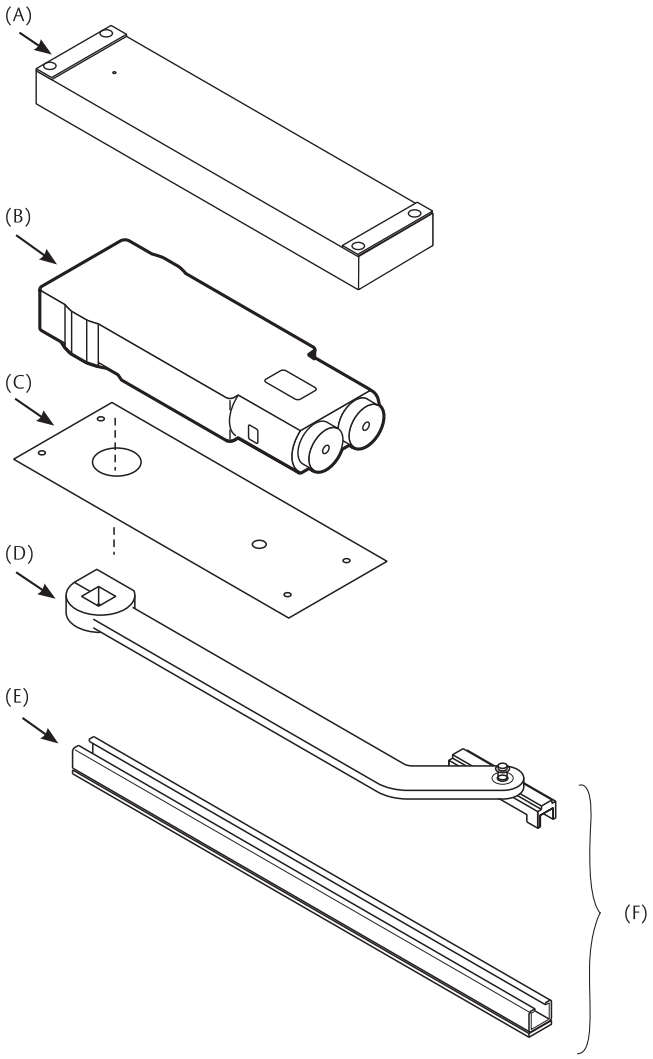
M0608/MW0608/W0608



*Specify finish

SCREW KITS

Cover Plate Screw Kit 107022-*

Screw Kit 608064

(A) Closer Mounting Kit 608049PKG

(B) Closer Body (Specify Complete Model No. x LAP)

(C) Cover Plate 6084000-*

(D) Arm Assembly (sprayed finishes only) 0608312-*

(E) Rail 0608109

(F) Arm & Rail Package (sprayed finishes only) 06082012-*

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

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For a complete listing of products and applications please visit our web site.
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44040-9/20

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-013-VD_T25B

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Exit Device
Item Type	Panic Exit Device, electric
Description	Panic exit device, exit only (no outside trim), electric latch retraction
Manufacturer	Von Duprin (Allegion)
Model	EL99NL-OP
Dimensions	8" x 2 3/4" x2 3/8" (203mm x 70mm x 60mm)
Color	Satin Chrome
Finish	US26D
Material Composition	Steel
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	ANSI/BHMA Grade 1
Fire/Smoke Rating	Up to 3 hours
Operation	Manual, no dogging
Best Practices	Recycled content
Quality Standards	ANSI/BHMA
Accessibility Compliance	ADA and ANSI A117.1
Accessories	Requires one (1) electric power transfer (EPT10); one (1) power supply (PS914)
Warranty	10 years

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Von Duprin (Allegion)
Contact Name:
Phone: 877-671-7011
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Indoor Pool

DH-013-VD_T25B

ALLEGION

VON DUPRIN

98/99 Series

Exit devices

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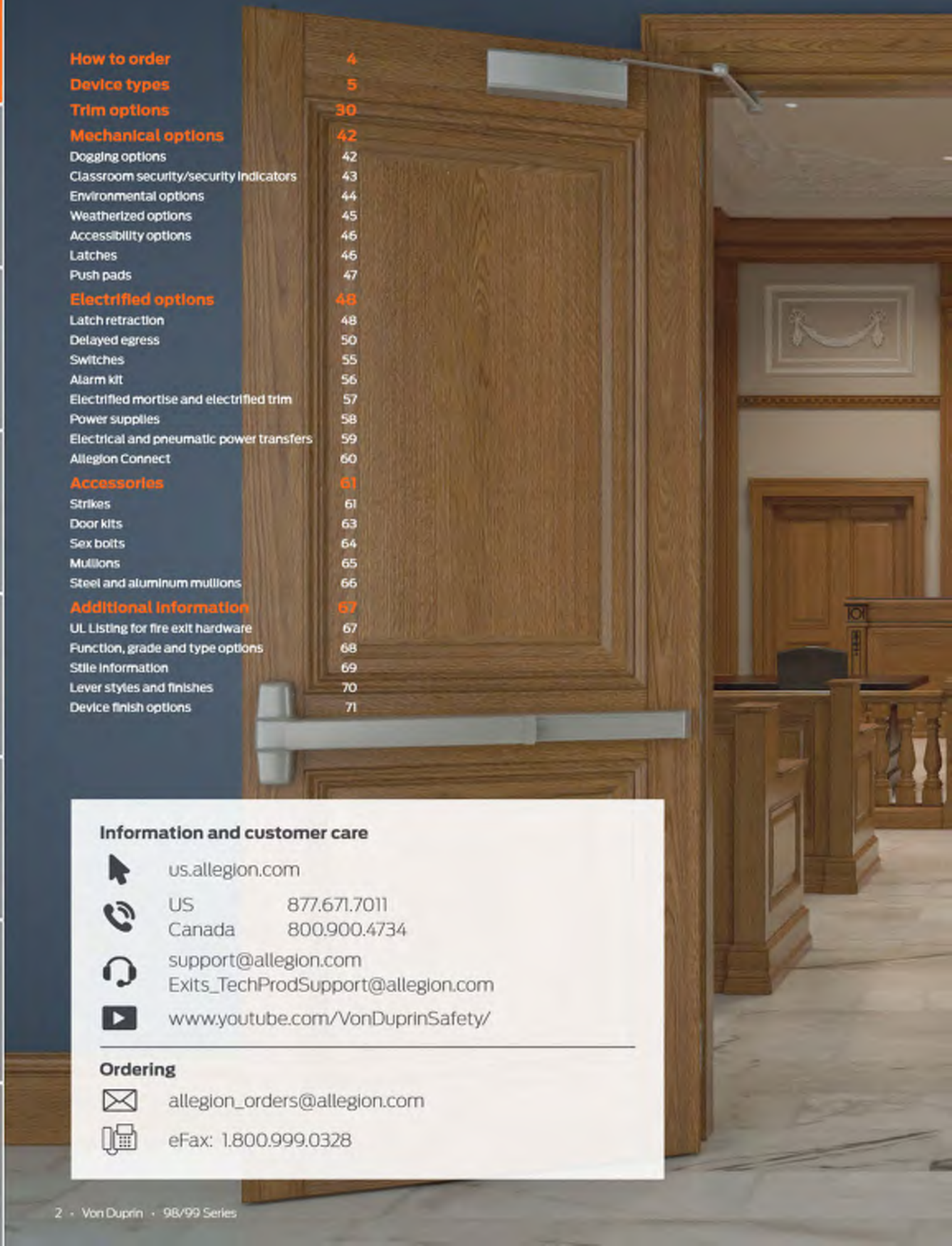

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Ordering

allegion_orders@allegion.com

eFax: 1.800.999.0328

Nomenclature – how to order

Prefix	Device series/type		Trim/ rating		Suffix/ finish		Door width	Handing	Less bottom rod/cable	Trim options/ finish	Lever style	Accessories	Other information
1	2	3	4	5	6	7	8	9	10	11	12	13	14
QEL	98	27	L	F	—	626	3'	RHR	LBR	996/626	299F/06	SNB	HM

Detail

1 Prefixes

None	Standard
AX	Accessible device
CD	Cylinder dogging - panic only
CDSI	Cylinder dogging with security indicator
CI	Cylinder dogging indicator
CD-CX	Chexit cylinder dogging
CX	Chexit
DI	Dogging indicator
E	Electric locking mortise/lever
EL	Electric latch retraction
HDSI	Hex dogging with security indicator
HH	Hurrican device
LD	Less dogging
LX	Latch bolt monitoring
LX-LC	Latch bolt monitoring, low current
LX-RX	Latch bolt monitoring, request to exit
LX-RX-LC	Latch bolt monitoring, request to exit low current
PL	Pullman latch
PN	Pneumatic latch retraction
QEL	Quiet electric latch retraction
QM	Quiet mechanical
RX	Request to exit
RX2	Double request to exit
RX-AUX	Request to exit, auxiliary
RX-LC	Request to exit, low current
SD	Special dogging -panic only
SS	Signal switch
WP-RX	Waterproof request to exit
WS	Windstorm (FEMA rated) surface vertical rod device
XP	Heavy protection - rim

2 Device series

98	Series 98-smooth
99	Series 99-grooved

3 Device type

None	Rim device
27	Surface mounted vertical rod device
47	Concealed vertical rod device
47WDC	Concealed vertical rod wood door device
48	Concealed vertical rod device
49	Concealed vertical cable device
50WDC	Concealed vertical cable wood door device
52	Rim device with remote trim input (pool exit hardware)
57	Three-point latch device
75	Mortise lock device

4 Trim functions

EO	For AD or CO locks, order the panic as Exit Only (EO)
DT	Dummy trim
EO	Exit only
HL	Hospital pull trim
K	Knob
K-BE	Knob - blank escutcheon
K-DT	Knob, rigid - dummy trim
K-NL	Knob, rigid - night latch
L	Lever (classroom)
L-BE	Lever - blank escutcheon
L-DT	Lever, rigid - dummy trim
L-NL	Lever, rigid - night latch
NL	Night latch
NL-OP	Night latch cylinder assembly, optional pull
TL	Turn lever
TL-BE	Turn lever - blank escutcheon
TP	Thumbpiece
TP-BE	Thumbpiece - blank escutcheon

5 Rating

F	Fire exit hardware
Blank	Panic exit hardware

6 Suffix

-2	Double cylinder (rim and mortise only)
-2SI	Double cylinder with security indicator (rim only)
CON	Connectors
WH	Weep holes

7 Finish

605	Bright Brass
606	Satin Brass
612	Satin Bronze
619	Satin Nickel
622/711	Matte Black/Matte Black, Anodized
625	Bright Chrome
626	Satin Chrome
626AM	Satin Chrome, Antimicrobial
628	Aluminum, Anodized
630	Satin Stainless
630AM	Satin Stainless, Antimicrobial
643e	Aged Bronze
693	Black Paint
710	Dark Brown, Anodized

8 Door width / Door thickness

Door width		Door thickness	
3'	Standard default	1 3/4"	Standard
4'		2 1/4"	Optional
2'	Vertical only		

9 Handing

LHR	Left hand reverse
RHR	Right hand reverse

10 Less bottom rod/cable

LBR	Less bottom rod
LBL	Less bottom latch
LBR-AFL	LBR with fire pin
LBL-AFL	LBL with fire pin

11 Trim options/finish

See trim options/finish for each device type

12 Lever style

06	Standard default (optional levers available

13 Accessories

CYL	Cylinder
GBK	Glass bead kit
SEC	Security screws
SLM	SLM blocking
SNB	Sex bolts

14 Other information

Touchbar options

BRAILLE	Vision impaired touchpad, raised letter, and braille
PUSH	Touchbar trim embossed 'PUSH'
RSS	Red silk-screened lettered touchbar trim
KN	Knurled touchbar
SG	Safety glow

Miscellaneous

CE	CE labeled
LCP	Less cover plate
IOWDA	#IOWDA cover plate
RAT REL	Ratchet release assy

Door material

AL	Aluminum door
HM	Hollow metal
WD	Wood door
CP	Composite door
INS2	Insulclad - 1/2"
INS4	Insulclad - 1/4"
SC	Steelcraft, HH device only

Door application

D	Double egress
P	Pair of doors
S	Single door

Note: Not all options are listed. See the specific device type pages for complete options available.

98/99 Rim exit device

98 and 99 rim exit devices for all types of single and double doors with mullion, UL listed for panic exit hardware. Devices are certified to ANSI/BHMA A156.3 2014, Grade 1. The 98 device has a smooth mechanism case and the 99 device has a grooved case. The rim device is non-handed except when the following device options are used: SD (special dogging), -2 (double cylinder) or SS (signal switch). Covers stock hollow metal doors with 86 or 161 cutouts on single doors (may cover cutouts on pairs – consult template).

Specifications

Device functions	Device ships EO/DT/NL; Field selectable; For TP, K or L remove NL drive screw from device
Device lengths	3' 2'4' to 3' (711mm to 914mm) Door size 4' 2'10" to 4' (864mm to 1219mm) Door size
Device centerline from finished floor	39 13/16" (1011mm) 39 11/16" (1008mm) with mullion
Center case	8" x 2 3/4" x2 3/8" (203mm x 70mm x 60mm)
Mechanism case	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar neutral – 3 13/16" (97mm) Pushbar depressed – 3 1/16" (78mm)
Latch bolt	Deadlocking, 3/4" (19mm) throw
Finishes	605, 606, 612, 625, 626/626AM, 628, 710, 711 and 643e (619 and 630 available with 98 Series only)
Fasteners and sex bolts (SNB)	Includes screw pack for 1 3/4" (44mm) and 2 1/4" (57mm) thick metal or wood doors (Optional 425 SNB available, see page 64 for quantities)

Accessories

299 Strike
Ships standard,
optional strikes available.

Hex key dogging
Comes standard on
98/99 rim exit devices.

Features and options

Electrified options

LX	Latch bolt monitor switch
RX	Request to exit
RX2	Double request to exit
E	Electric locking and unlocking trim
EL	Electric latch retraction
QEL	Quiet electric latch retraction
SS	Signal switch
CX	Chexit delayed exit
ALK	Alarm exit kit
WP-RX	Waterproof request to exit
CON	Allegion Connect

Mechanical options

-2	Double cylinder
-2SI	Double cylinder with security indicator
AX	Accessible device
GBK	Glass bead kit
PN	Pneumatic latch retraction
QM	Quiet mechanical
SNB	Sex bolts
SEC	Security screws
WH	Weep holes
XP	Extra protection

Dogging feature

Hex key dogging standard

Dogging options

CD	Cylinder dogging
CD-CX	Chexit cylinder dogging
CDSI	Cylinder dogging with security indicator
HDSI	Hex dogging with security indicator
SD	Special center case dogging
LD	Less dogging
DI	Dogging indicator
CI	Cylinder dogging indicator

Strikes

299 – Dull black

No trim

Trim description		
Nomenclature	EO	110NL-MD 110NL-WD
Trim function	No outside trim	Night latch optional pull
Function description	Exit only	Key retracts latch bolt, optional pull required
ANSI function	01	03
Device compatibility		
98/99/ XP98/XP99 Rim	■	■
98/99/ XP98/XP99 Rim-F	■	■
98/9927/27-F	■	■
98/9947/47-F	■	■
98/9947WDC/WDC-F	■	■
98/9948/48-F	■	■
98/9949/49-F	■	■
98/9950WDC/50WDC-F	■	■
98/9952†	■	
98/9957/57-F	■	■
98/9975/75-F	■	
Dimensions		
Escutcheon plate size	—	—
Pull center to center	—	—
Projection	—	—
Handing		
	—	—
Cylinder type		
Rim or vertical device	—	Rim
Mortise lock device	—	—

† Default trim is 252L /L-BE. Must be ordered as EO when paired with other trims (ordered separately).

941071-00

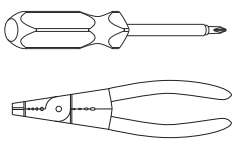
Electric Power Transfer (EPT)

EPT2, EPT10, & EPT10C

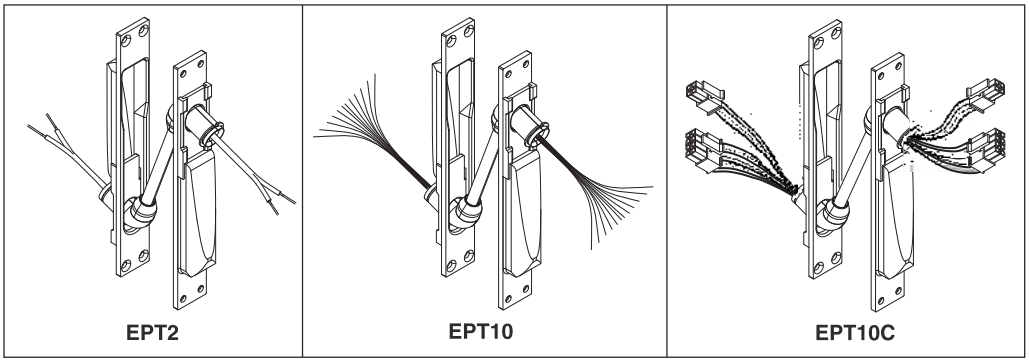
VON DUPRIN®

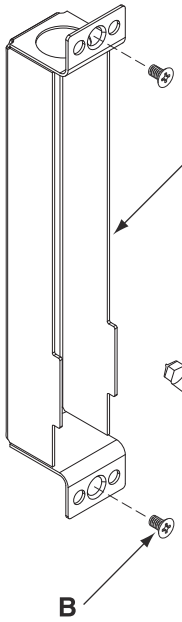
Installation Instructions

Tools for Install

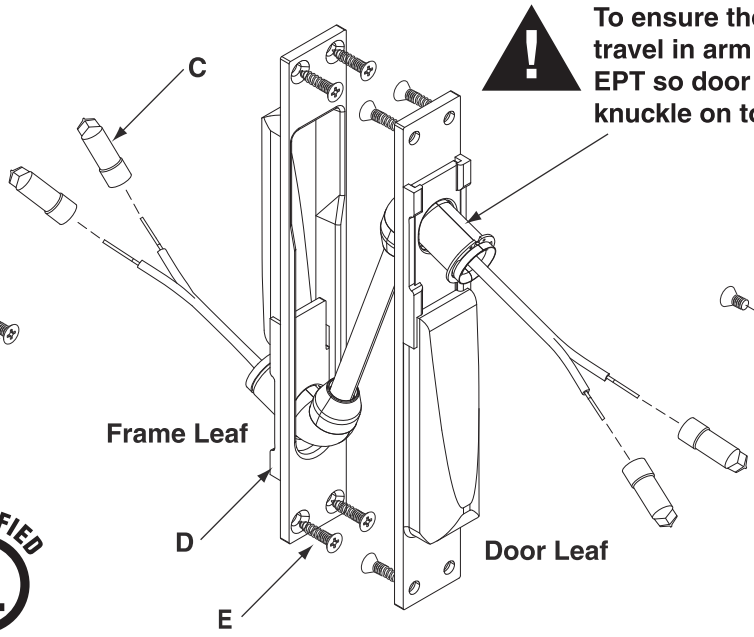


Read all Warnings Before Starting Installation!

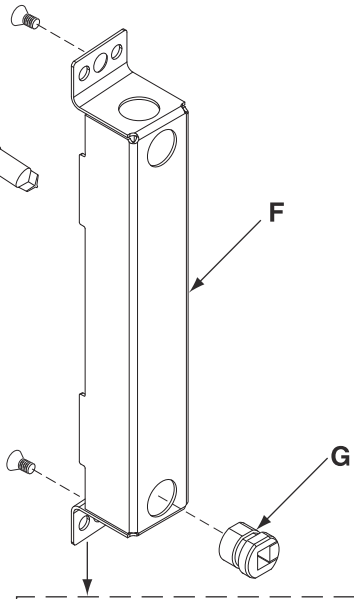


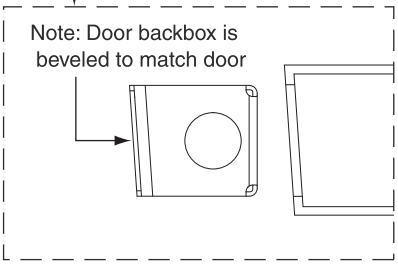


To ensure the maximum amount of travel in arm for cam lift hinges, install EPT so door side leaf is oriented with knuckle on top.



EPT2 Shown





A. Frame Backbox
B. Metal - #10-24 x 3/8” Flat Phillips Head Machine Screw (4)
   Wood - #10 x 3/4” Flat Phillips Head Wood Screw (4)
C. EPT2 - Wire Connectors 12 Gauge Yellow (4)
   EPT10 - Wire Connectors 18 Gauge Violet (20)
   EPT10C - Wire Connectors 18 Gauge Violet (20)
D. EPT Assembly
E. Metal - #10-24 x 3/4” Flat Phillips Head Machine Screw (8)
   Wood - #10 x 3/4” Flat Phillips Head Wood Screw (8)
F. Door Backbox
G. Strain Relief

ALLEGION

Customer Service
1-877-671-7011 www.allegion.com/us

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941071-00 Rev. 8/19-f

General Information

An electric power transfer (EPT) provides a wiring path from the door to the frame.

These instructions assume that a factory-prepped door and frame are being used. If the door and frame have not been factory-prepped, see the included dimensioned template.

Before beginning the installation, review “Specifications” and “Warnings”.

Specifications

Applications

EPT **can** be used for:

- Door Thickness - 1-3/4” minimum
  Note: The following specifications apply to a 1-3/4” thick door.
- 0 - 180° opening with up to 5” butt hinges
- 0 - 180° opening with up to 3/4” offset pivots
- 0 - 130° opening with 5-1/2” butt hinges
- 0 - 110° opening with 6” butt hinges

EPT **cannot** be used for:

- 1-1/2” offset pivots
- larger than 6” butt hinges
- pocket pivots
- swing clear hinges
- center hung door (center pivot)
- balanced door

Electrical Ratings

EPT2

- Two 18AWG wires
- Max. Rating: 24VDC, 5A or 120VAC NEC Class 3

EPT10 & EPT10C

- Ten 24AWG wires
- Max Rating: 24VDC, 1A

Read all Warnings Before Starting Installation!

⚠ CAUTION Do not exceed rated specifications (shown above).

⚠ CAUTION EPT must be installed in accordance with these instructions by a qualified electrician.

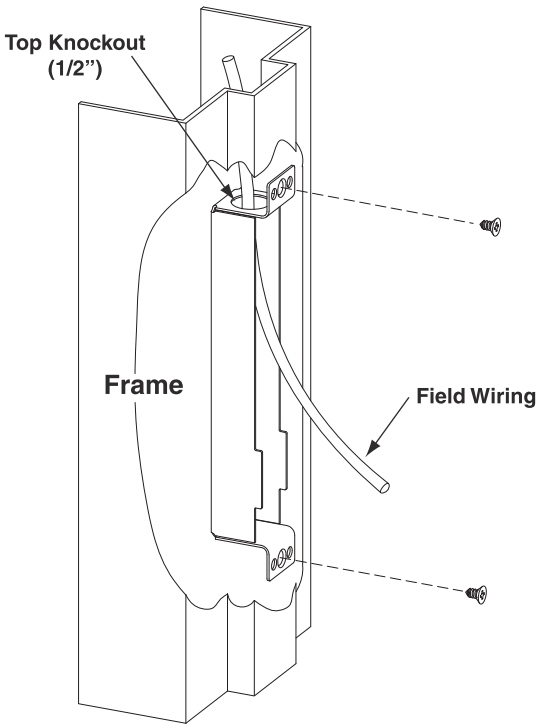
⚠ CAUTION Wiring must be in accordance with all local codes and regulations.

Installation

1 Use Template from Back Page to Verify Preparation

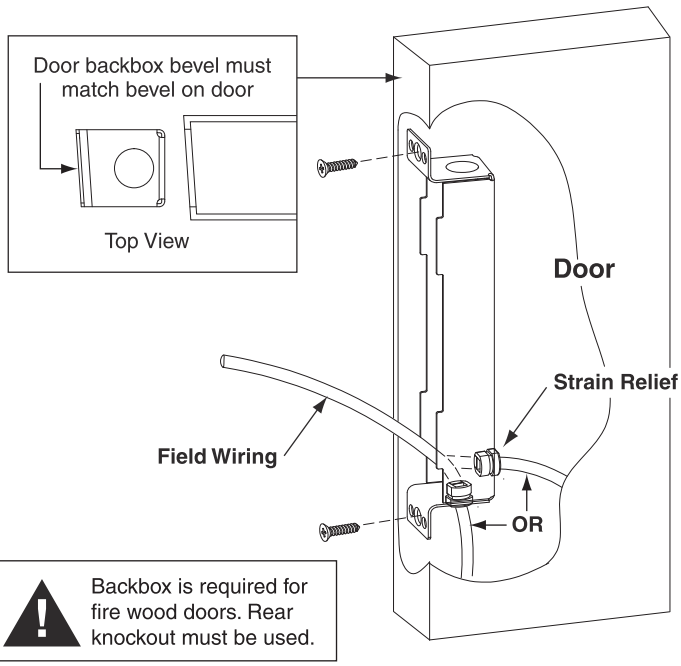
2 Mount Frame Backbox

A. Remove knockout from top
B. Install 1/2" conduit, if used
C. Pull 5" of field wiring through knockout



3 Mount Door Backbox

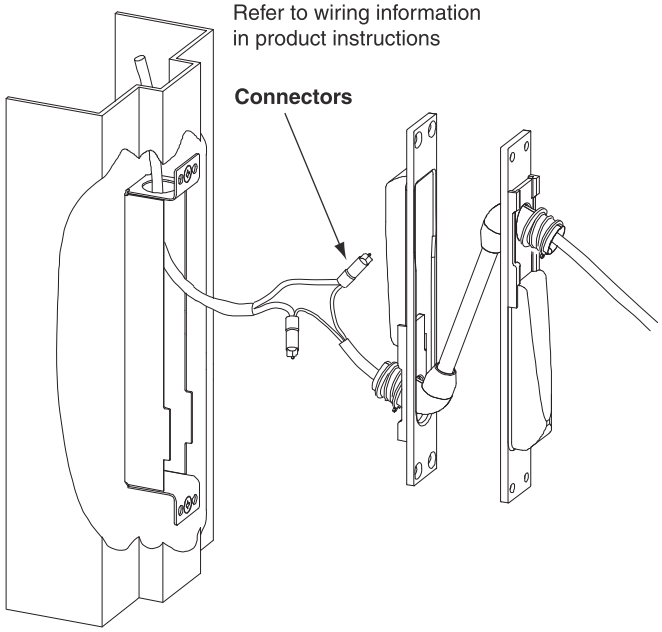
A. Ensure backbox bevel matches door bevel
B. Remove knockout: - from bottom for **metal** doors
- from back for **wood** doors
C. Pull 5" of field wiring through knockout
D. Install strain relief



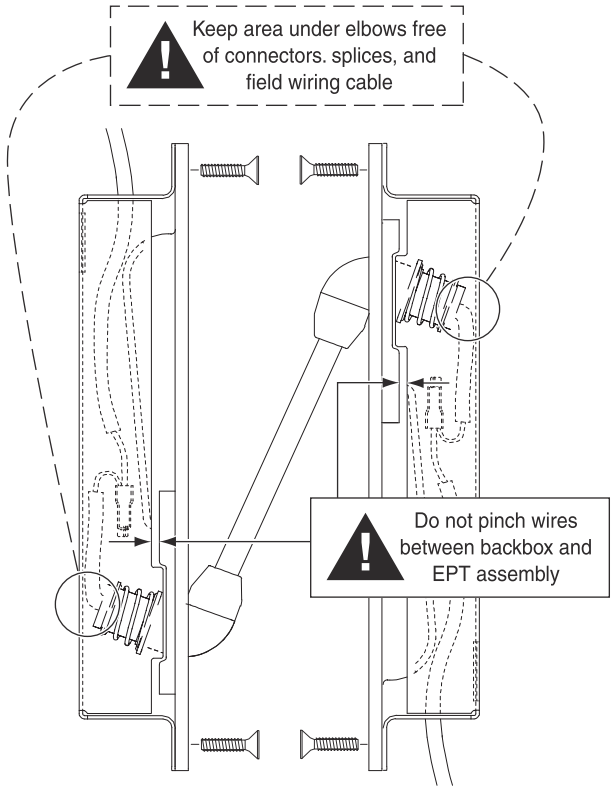
Backbox is required for fire wood doors. Rear knockout must be used.

4 Connect Wires

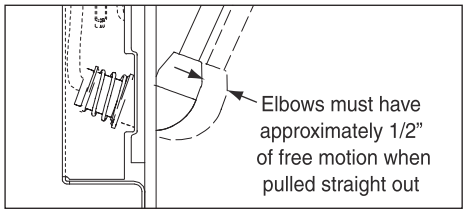
Refer to wiring information in product instructions



5 Mount EPT Assembly

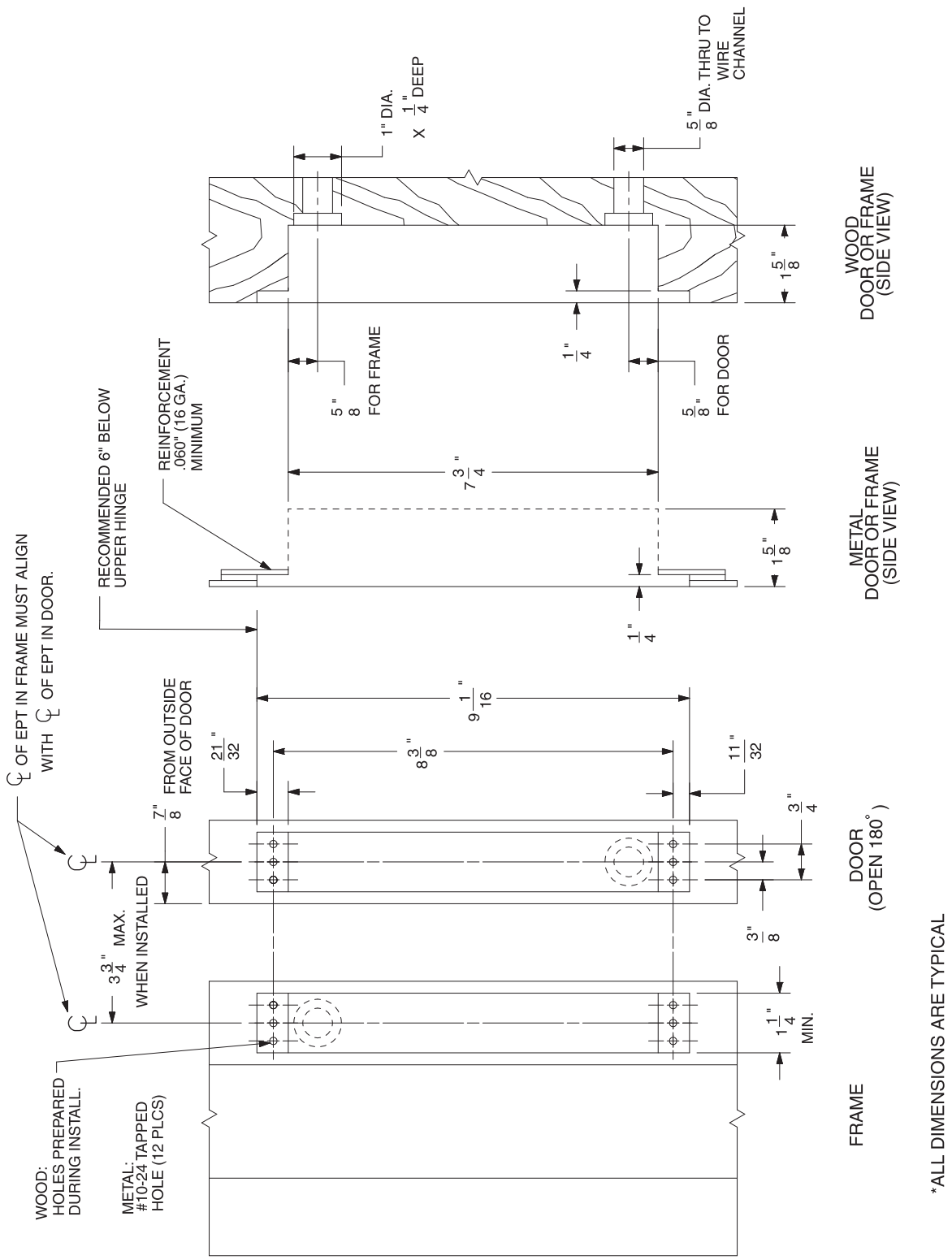


6 Verify that door opens and closes properly without binding and that electrical components function



Template

Note: This drawing is not to scale



ALLEGION™

VON DUPRIN®

PS914

4 amp high in rush power supply

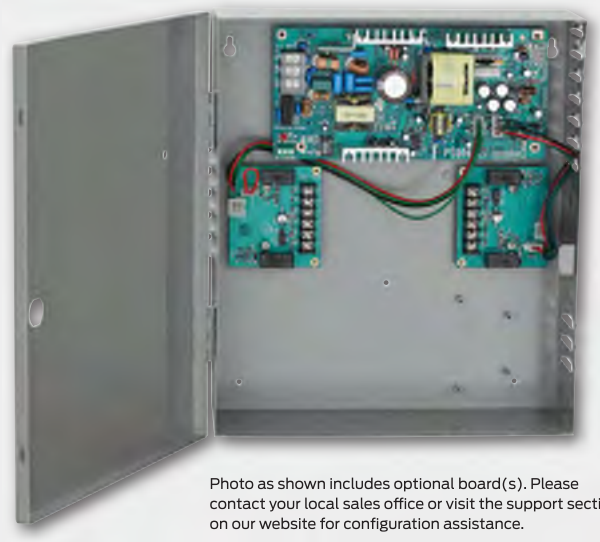


Photo as shown includes optional board(s). Please contact your local sales office or visit the support section on our website for configuration assistance.

Overview

Von Duprin power supply and option board products were designed to meet the specific requirements of electrified fire exit devices.

Installation is simplified by utilizing a flat mounting design and polarized locking connectors for option boards. This design eliminates the need for racks and side connectors. The flat mounting of the option boards also provides for easier access to the terminal blocks for connection of electrified devices (such as electrified panic devices, strikes, card readers, etc.).

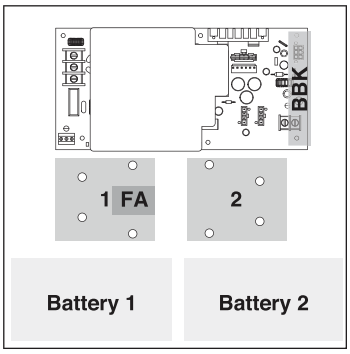
Common to the line of PS900 Series power supplies is a constant output rating at both 12v and 24v settings, universal 120 VAC to 240 VAC input, and polarized option board connectors. New fire alarm interface board mounting allows outputs to be configured as switched (power cut) or unswitched (power continues) when signal is provided.

Features and benefits

- 4A @ 12/24 VDC constant output, field selectable with jumper
- Designed for use with electrified panic devices requiring high in rush current
- Provides low-voltage, Class 2, filtered and regulated power
- Universal 120-240 VAC, fused primary input
- Two polarized option board connectors
- AC input and DC output monitoring circuit with LED indicators
- Externally visible AC input indicator with isolated SPDT contacts
- High-voltage protective cover for AC circuitry (not shown)
- Battery back-up board auto-selects voltage
- Optional Fire Alarm plug-in board available
- UL 294, ULC-S318, RoHS, and FCC Part 15 certified

Configuration options

Available option board, fire alarm and battery backup connection locations:



Exit device support

Von Duprin QEL	Up to 8[1]
Von Duprin EL	Up to 8[1,2]
Falcon EL	Up to 8[1,2]

1. Requires the use of two 900-4RL option boards

2. Distance from power supply may be limited with multiple EL applications - consult technical support for wire run lengths

PS914 power supply specifications

Specification	Description
Input voltage	120/240 VAC, 50/60 Hz, universal input
Output voltage	4A @ 12 or 24 VDC Field selectable with jumper Switching supply, 5% regulation, 360mVpp max ripple
Enclosure	Grey/baked enamel 14" x 12" x 4" (H x W x D) Eight ½" x ¾" knockouts Hinged cover with lock down screws
Operating temperature	32º - 120ºF (0º - 49ºC)
Certifications	ANSI/UL 294 ULC-S318 RoHS FCC Part 15 Class 2
Battery backup (install on main board)	900-BB: Battery backup board only 900-BBK: Battery backup kit (backup board plus battery pack)
Available option boards	900-FA: Plug-in fire alarm (must be installed on option board) 900-2RS*: 2 Relay option board capable of individual or sequential operation for single and pair door applications 900-4R*: 4 Relay option board 900-4RL*: 4 Relay option board with integrated logic and individual or sequential operation capability for controlling security interlocks, auto operators and time delay function 900-8F*: Fused, 8 zone option board 900-8P*: PTC, 8 zone option board
AC primary fuse size	6.3A, 250v, 5 x 20mm
Battery fuse size	7.5A 32v ATO blade style
DC output protection	Overload protection - current limited foldback circuit
Indicators	LED indicators: - AC input (visible on outside of enclosure) - DC output Isolated SPDT contacts to monitor AC power status
Weight (power supply)	Approx. 9.0 lbs
Weight (each battery)	4.0 lbs
AC input termination	3 position terminal block with protective cover Wire capacity: 10 AWG max.
DC output termination	2 position terminal block Wire capacity: 12 AWG max.
Option board connectors	2
Fire alarm board connector	Yes (requires connection on option board)
Keylock	Optional
Accessories	900-BAT: Backup battery pack

* Compatible with plug-in fire alarm board (900-FA)

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About Allegion

Allegion (NYSE: ALLE) is a global pioneer in safety and security, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion produces a range of solutions for homes, businesses, schools and other institutions. Allegion is a $2 billion company, with products sold in almost 130 countries. For more, visit **www.allegion.com.**

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Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

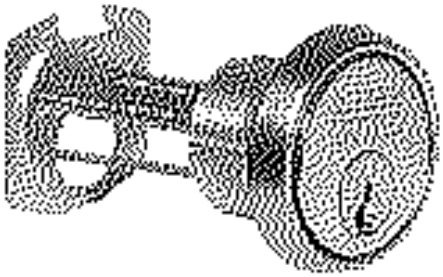
DH-014-SG_T25B

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Lock cylinder
Item Type	Rim Cylinder
Description	Rim cylinder, 6-pin configuration
Manufacturer	Sargent (Assa Abloy)
Model	34
Dimensions	NA
Finish	US15
Material Composition	Solid brass
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	BHMA A156.5 Grade 1
Operation	Manual
Best Practices	Recycled content
Quality Standards	BHMA A156.5
Accessibility Compliance	ADA and ANSI A117.1
Accessories	No. 97 rosette and compression spring, “break-off" screws and back plate
Warranty	Lifetime



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Assa Abloy
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Indoor Pool

40 Series Mortise Cylinders and 34 Series Rim Cylinders

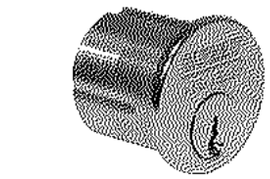
Cylinders and Components

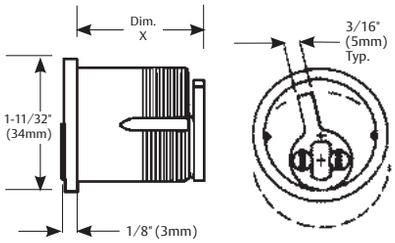
SARGENT®
ASSA ABLOY

40 Series Mortise Cylinder

- Cylinder: Solid brass, 1-5/32" (29mm) diameter
- Cap: Brass, bronze or stainless steel
- Furnished standard with No. 97 rosette and compression spring
- Optional Collars/Spacers available and ordered separately, refer to product catalogs for additional information
- See Cam Chart on Page 6 for cam required
- 6 pin standard; for 7 pin specify "7 pin", size 42 minimum
- No. 41 cylinder not available in 7 pin
- Mortise cylinder assemblies that are ordered without hardware are supplied with standard SARGENT offset cam 13-0664
- Cylinder finishes: 3, 4, 9, 10, 10B, 10BE, 10BL, 15, 20D, 32, 32D
- Plug finishes: 4, 15

	Length under cylinder head									
Cylinder No.	41	42	43	44	46	48	50	52	54	56
Dim. X	1-1/8" (29mm)	1-1/4" (32mm)	1-3/8" (35mm)	1-1/2" (38mm)	1-3/4" (44mm)	2" (51mm)	2-1/4" (57mm)	2-1/2" (64mm)	2-3/4" (70mm)	3" (76mm)





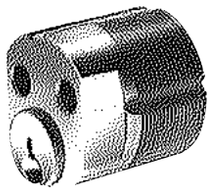
50-40 Series Hotel Type Cylinder

Features same as standard 40 Series cylinders except:

- For use with 7850 or 8250 lock only
- 6 pin only
- Contact factory for compatibility requirements for existing 6 pin systems
- Uses only cam #115 (13-2045)
- Guest and Master keys will only retract the latch bolt but not project or retract the dead bolt
- Emergency keys (catalog # 7268 EMK) retract the latchbolt and deadbolt and can also project the deadbolt
- C Series keyways supplied standard, specify if different keyway is required. On 1 bitted or KD, CA key way will be supplied if not otherwise specified
- Consult Sargent Key records dept. when adding Hotel cylinders to existing key systems for compatibility
- Length under cylinder head (Dim. X)
  50-43 1-3/8" (35mm); 50-44 1-1/2" (38mm)

78-40 Series Exposed Shell Only Cylinders

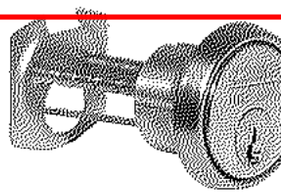
- Cylinder: Solid brass, 1-5/32" (29mm) diameter
- 6 pin standard, for 7 pin specify "7 pin"
- For use with SARGENT mortise locks with Escutcheon Trim (KE 3/4, LE 3/4) only
- See Function Table on Page 6 for cam required
- 78-41 6 pin; single cylinder function only except 50
- 78-42 6 or 7 pin; single cylinder functions only
- 78-43 6 or 7 pin; all functions except 50
- Plug finishes: 4, 15

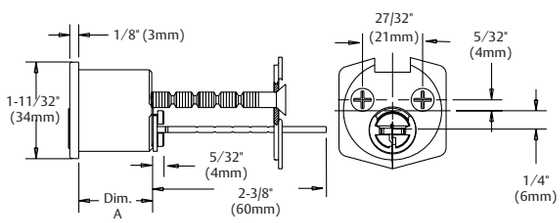


34 Series Rim Type Cylinder

- 27/32" (21mm) screw pattern for through-bolted SARGENT exit devices
- Cylinder: Solid brass
- Cap: Brass, bronze or stainless steel
- Furnished standard with No. 97 rosette and compression spring, "break-off" screws and back plate
- 6 pin standard, for 7 pin specify "7 pin"
- Horizontal tail piece only
- Cylinder finishes: 3, 4, 9, 10, 10B, 10BE, 10BL, 15, 20D, 32, 32D
- Plug finishes: 4, 15

No. of Pins	Door Thickness when used with outside trim	Dim. A (Min.)
6	2-3/8" to 3-1/4" (60mm to 82mm)	1-1/16" (27mm)
7	2-1/2" to 3-1/2" (64mm to 89mm)	1-7/32" (31mm)





All cylinders are standard 6 pin and are supplied with 2 nickel silver change keys unless noted. In cylinders ordered for 5 pin systems, the (6th) last chamber will be empty.

When double cylinder locksets are keyed alike on both sides, 2 change keys are supplied.

For cylinders in competitive keyways, see Page 11.

Cylinders are supplied random keyed unless specified 1 bitted or master keyed. For master keyed orders provide keying details as requested on SARGENT Keyed Order Lead Sheets, located in the price book or contact customer service.

Cylinders BHMA A156.5 Grade 1 listed except hotel functions.

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Cylinder Parts:
Mortise and Rim Cylinders

Cylinders and Components

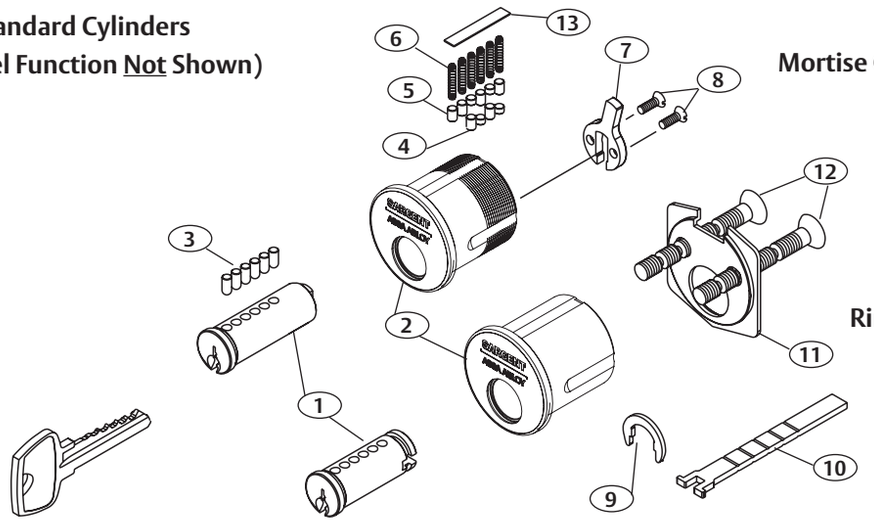
SARGENT
ASSA ABLOY

34 Rim/40 Series Mortise Cylinder Parts

Item	Description	Part Number	Where Used	Comment
1	Plug	See Table Below	40 Mortise & 34 Rim	
2	Cylinder Shell, Cap & Slide Assy.	See Table Below	40 Mortise & 34 Rim	Illustration Shows Slide Disassembled
3	Bottom Pin	See Table Page 13	40 Mortise & 34 Rim	
4	Master Pin	13-0062	40 Mortise & 34 Rim	Pin No. 10 (Length .260)
5	Top Pin	See Table Page 13	40 Mortise & 34 Rim	
6	Compression Spring	13-0265	40 Mortise & 34 Rim	
7	Cam	See Table Page 6	40 Mortise	
8	Screw	01-1121	40 Mortise	#3-48 x 5/16" (8mm) PH. FL.
9	Plug Retainer	13-0080	34 Rim	
10	Tail Piece	13-0085	34 Rim	
11	Cylinder Back Plate	13-0086	34 Rim	
12	Connecting Screws Standard Connecting Screws	13-0075 13-0074	34 Rim 34 Rim	#12-24 x 2-5/8" (67mm) #12-24 x 2-1/8" (54mm)
13	6 Pin Slide 7 Pin Slide	13-0779 13-0780	40 Mortise & 34 Rim 40 Mortise & 34 Rim	Mfg prior to 06-2008* Mfg prior to 06-2008*
13	6 Pin Slide 7 Pin Slide	13-1341 13-1797 v	40 Mortise & 34 Rim 40 Mortise & 34 Rim	Mfg after 06-2008* Mfg after 06-2008*

* See page 10 for Details

Standard Cylinders
(Hotel Function Not Shown)



Mortise Cylinder

Rim Cylinder

No.	Cylinder Length	6 Pin Plug Part Number	7 Pin Plug Part Number	6 Pin Shell & Slide Assy. Part Number	7 Pin Shell & Slide Assy. Part Number
34	—	13-0090	13-0587	13-2005	13-2712
41	1-1/8" (29mm)	13-0401	N/A	13-2005	N/A
42	1-1/4" (32mm)	13-0402	13-0402	13-2006	13-2765
43	1-3/8" (35mm)	13-0403	13-0403	13-2766	13-2766
44	1-1/2" (38mm)	13-0404	13-0404	13-2767	13-2767
46	1-3/4" (44mm)	13-0405	13-0405	13-2768	13-2768
48	2" (51mm)	13-0406	13-0406	13-2769	13-2769
50	2-1/4" (57mm)	13-0407	13-0407	13-2770	13-2770
52	2-1/2" (64mm)	13-0408	13-0408	13-2771	13-2771
54	2-3/4" (70mm)	13-0409	13-0409	13-2772	13-2772
56	3" (76mm)	13-0474	13-0474	13-2773	13-2773

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Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-018-SA_T25B

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Remote RFID Reader
Item Type	RFID reader - remote
Description	Stand-alone remote RFID reader to control electronic access control devices in perimeter areas, common areas, and restricted areas.
Manufacturer	Saflok (dormakaba)
Model	RCU RFID X BLE
Dimensions	4.56" w x 4.5" h x 0.75" d
Finish	US26D
Material Composition	Steel
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Operation	Electronic 12V DC
Accessibility Compliance	ADA and ANSI A117.1
Warranty	Lifetime

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Saflok (dormakaba)
Contact Name:
Phone: 800-523-8483
Email: lodgingsupport@dormakaba.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Lobby
Indoor Pool

T25C_Pool Equipment

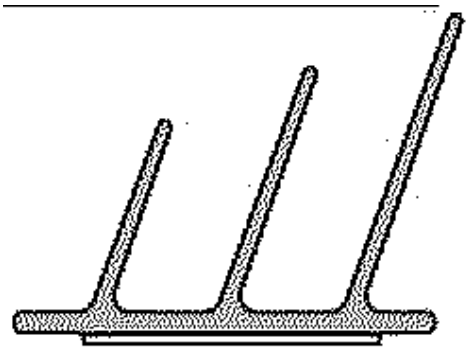
Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-007-PK_T25C

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Door seal
Item Type	Fire/smoke gasketing
Description	Fire/smoke gasketing, adhesive-backed
Manufacturer	Assa Abloy/Pemko
Model	S773D
Dimensions	17, 18, 20, 21 and 25 ft. coils
Color	Dark brown (D)
Material Composition	Silicone
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Fire/Smoke Rating	Tested and approved under UL 10C for fire; UL 1784 for smoke
Acoustical Performance	ASTM E90 and BS EN ISO 140-3 for sound control
Best Practices	Low-emitting materials
Quality Standards	BHMA A156.22
Accessibility Compliance	ADA and ANSI A117.1
Lead Time	Standard Lead Time 3-5 Business Days - Verify with Manufacturer.
Warranty	2 Years if installed with 6 months of ship

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Assa Abloy
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Stairs
Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry
Elevator Equipment Room
Administration
Public Restrooms
Employee Areas
Guest Laundry
Fitness Center
Indoor Pool
Pool Equipment
Pool Storage
Corridors

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-009-YA_T25C

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Door closer
Item Type	Door closer
Description	Heavy-Duty Non-Hold Open Parallel Arm with Removable Stop, Adjustable Size
Manufacturer	Yale
Model	2721
Dimensions	12-45/64" x 1-15/32"
Color	NA
Finish	689
Material Composition	Cast aluminum
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	1
Classification	Door closer
Fire/Smoke Rating	UL 10B and UL 10C compliance
Thermal Performance	Extreme temperature fluid (temperature range from -30 degrees F to 120 degrees F.)
Operation	Manual. Stop only arm, non-hold open.
Best Practices	Recycled content
Quality Standards	ANSI A156.4 Door Controls - Closers
Accessibility Compliance	ADA and ANSI A117.1
Accessories	Door mounting kit
Cover Finish	Paint
Opening Degree	180
Cover Material	Plastic
Mounting Type	Surface
Stop Type	Integral spring
Warranty	2 years

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Yale Locks & Hardware (Assa Abloy)
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

AREAS

Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Indoor Pool
Pool Equipment
Pool Storage

ALTERNATE MANUFACTURER 4	

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-016-SA_T25C

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Entry Lock (less deadbolt)
Item Type	Entry Lock with RFID Reader
Description	Electronic mortise lockset with 1" (25.4mm) and 5/8" (15.9mm) dead-locking latch bolt (LESS DEADBOLT)
Manufacturer	DormaKaba/Saflok
Model	Saflok Quantum RFID X ADB X BLE X Troy
Color	Satin Nickel
Finish	US15
Material Composition	Plated carbon steel
CSI #	087100 - Door Hardware
Omniclass #	22-087100 - Door Hardware
Grade	ANSI Grade 1
Best Practices	Recycled content of steel
Quality Standards	ANSI/BHMA A256.13-2012 Standard for Mortise Locks and Latches," and "ANSI/BHMA A256.25-2013 Standard for Electrified Locking Devices."
Accessibility Compliance	At a minimum, comply with accessibility regulations and standards of the country where the project is located. If governing accessibility regulations and standards do not exist, comply with the criteria as outlined by the U.S. ADA Standards for persons with disabilities. (www.ada.gov)
Accessories	Four (4) AA batteries
Handle Finish	Satin nickel US26D
RFID Finish	Black
Handle	Troy
Lead Time	Verify with manufacturer at time of purchase.
Warranty	2 Years
Notes	Case hardened full 1 inch (ANSI) Throw. Deadbolt with panic release function - deadbolt and latch are automatically retracted by inside handle for easy egress in case of emergency

SPECIAL INSTRUCTIONS

GC/Designer to determine handing necessary for project and order accordingly.

MANUFACTURER

Vendor Name: Saflok (dormakaba)
Contact Name:
Phone: 800-523-8483
Email: lodgingsupport@dormakaba.com

ALTERNATE MANUFACTURER 2

AREAS

Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry

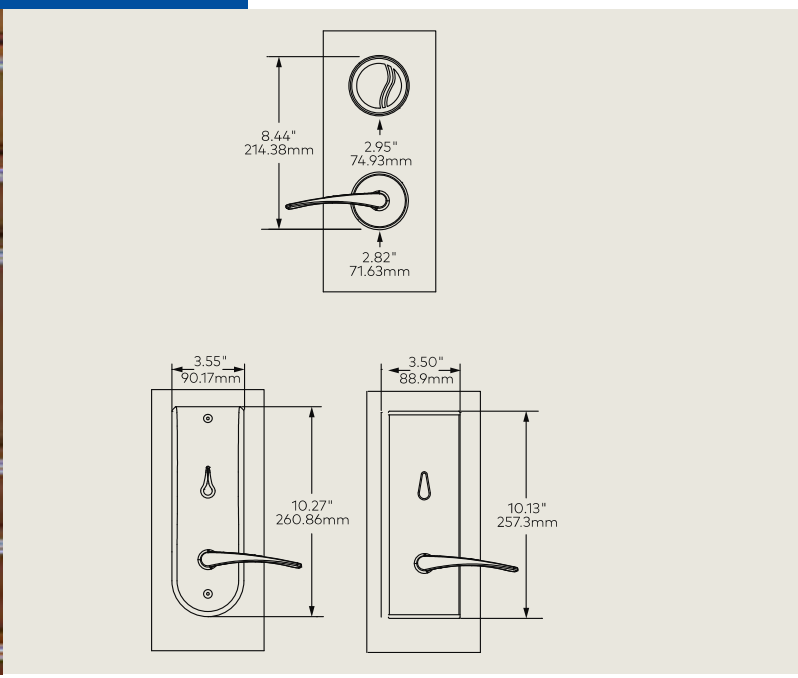
Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

ALTERNATE MANUFACTURER 3	Elevator Equipment Room Guest Laundry Fitness Center Indoor Pool Pool Equipment Pool Storage Welcome Desk Administration Engineering & Maintenance Food & Beverage Back-of-House
ALTERNATE MANUFACTURER 4	

Saflok Quantum™ RFID

dormakaba



Overview
The Saflok Quantum RFID lock offers a unique two-piece modular design with a choice of inside escutcheon look. Synonymous with superior performance, the lock is renowned for access control, life safety and security. The Quantum RFID is easy to use and works with dormakaba Access Management Software.

Mobile Access
The Quantum RFID is Bluetooth Low Energy (BLE) capable and can operate using the dormakaba Mobile Access Solutions.

Applications
- Suitable for small to very large scale hotels
- Easily replaces existing mechanical or electronic door locks throughout a facility
- Access control for guest rooms, common areas as well as back-of-house

Security Features
- High security and tamperproof design
- 1" solid deadbolt (optional auto deadbolt)
- Staff monitoring - Keycard audits
- Tracking mortise for door ajar reporting

Low Maintenance
- Batteries last up to 2 years
- Low battery indicator alerts staff
- Lock programming and audit records are not erased during battery replacement
- Operates with a completely sealed contactless reader

Access control management software
The Quantum RFID lock is supported by dormakaba's robust access management software solution that features an array of access control workflows for both guest and staff access. Optionally, choose dormakaba's online access management solution for superior control and monitoring.

Mechanical Features

Description	Electronic mortise lockset with 1" (25.4mm) throw deadbolt and ⅝" (15.9mm) dead-locking latch bolt
Handing	Factory-handed mortise (left, right, left reverse, right reverse)
Lever	ADA Compliant Apogee Arc Continental Elevon Gala Troy
Deadbolt	1" (25.4mm) throw deadbolt and ⅝" (15.9mm) dead-locking latch bolt
Door Thickness	1¾" (44.5mm) to 2⅛" (53.98mm) for standard product
Weight	Approx. 8.0 lbs with hardware
Housing Construction	Escutcheons: Zinc Levers: Brass, zinc, or stainless steel
Standard Finishes	Bright chrome, bright brass, satin chrome, satin brass, dark mahogany
Inside Trim Options	Optional ädəse or MT inside escutcheon
Standard Backset	2¾" (69.9mm) from door edge to lever
Locking Options	ANSI lock case with 1¼" or 1" lock front mortise Options: automatic deadbolt, door ajar European lock case mortise (20 x 165 mm) with 20 x 233 mm lock front mortise
Online Configurations	Messenger Ready: DAJ mortise (ANSI lock case) Standard (stand alone) inside escutcheon
	Messenger Online: Lock controller board with Messenger capability DAJ mortise (ANSI lock case) Inside escutcheon equipped with Messenger module

Mobile Access Options (Quantum RFID Series)

BLE compatible BLE ready BLE enabled	Standard Lock. Upgradable to BLE by adding BLE connector cable, end cap and BLE module Upgradable to BLE with BLE module End cap with BLE module included, no further upgrades needed

Batteries

Alkaline - Four AA battery pack	Battery life is up to 2 years Low battery indicator: alerts staff that batteries need to be changed soon

Lock Operation

Date/Time Stamp	Real-time; date and hours/minutes
Interrogation	Obtain key usage reports from the lock by using a handheld unit at the door, or increase efficiency by performing a remote Interrogation using Messenger (optional)
Pre-registered Keycards	Keys can be made up to ten days in advance without cancelling current or arriving guests
Keycard Expiration	Configurable expiration dates; can be automatically set for check out date or manually applied when making key during check in process.
Passage Mode	Set by authorized keycard or Messenger system. Can also be configured to perform an automated/pre-defined passage mode time.
Lockout Mode	Set by authorized keycard or Messenger system
Keycards Accepted	Mifare Classic keycards (4 byte NUID)
Feedback	Light indicators in reader
Diagnostics	Light indicators and handheld display
Audit Trail	Up to 4,000 events
Disability Feature	RCU readers interface with automatic power operated doors for special openings
Privacy Override	Emergency keycards

Certifications & Testing

Accessibility Standard	ADA compliant levers (Code of Federal Regulations 28 CFR Part 36 – 1994 "ADA Standards for Accessible Design")
BHMA/ANSI	Certified to be compliant with Grade One performance tests for "ANSI/BHMA A256.13-2012 Standard for Mortise Locks and Latches," and "ANSI/BHMA A256.25-2013 Standard for Electrified Locking Devices." (Only locks tested and approved by non-biased third-party test lab are allowed in the "BHMA Certified Products Directory" found at www.buildershardware.com)
Fire Rating	Listed for pre-prepared manufactured doors and certified for retrofitting on existing doors by Underwriters Laboratories for use on fire doors having up to a three-hour rating. a. U.L. Certification: GWVW.R12071 "Accessories for Single-point Locks and Latches and Fire Exit Hardware." Evaluated in accordance with UL 10B and UL 10C. b. U.L. Listing: GYQS.R11247 "Electrically Controlled Single-point Locks and Latches." Evaluated in accordance with UL 10B and UL 10C. c. Also classified in accordance with Uniform Building Code Standard 7-2, "Fire Test of Door Assemblies" (1997)
Electronics	FCC Part 15 Class A and CE directive 89/336/EEC compliant
Environmental Operating Conditions	Indoor side: 32°F to 151°F (0°C to 66°C) Outdoor side: -31°F to 151°F (-35°C to 66°C) 0% to 85% non-condensing humidity at 86°F (30°C)

Warranty

Standard Warranty	Two years
Support Programs	dormakaba Service Plans (Platinum, Gold, Silver)

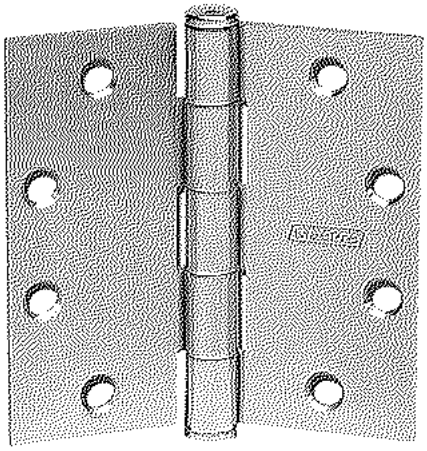
Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-017-MK_T25C

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Hinge
Item Type	Five Knuckle Standard Weight Hinge
Description	Five Knuckle Standard Weight Hinge with non-removable pin
Manufacturer	Assa Abloy/McKinney
Model	TA2314 4.5" x 4.5" NRP
Dimensions	4-1/2" x 4-1/2"
Finish	US26D
CSI #	087100 - Door Hardware
Omniclass #	22-087100 - Door Hardware
Quality Standards	ANSI/BHMA 156.1, 156.7
Knuckle	5-Knuckle
Weight	Standard
Lead Time	5-10 Business Days
Warranty	One year limited warranty
Notes	Refer to door hardware schedule for hardware locations



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Assa Abloy
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Indoor Pool
Pool Equipment
Pool Storage

T25D_Pool Storage

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-006-TM_T25D

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Door Stop
Item Type	Wall Mounted Door Stop
Description	Wrought concave wall bumper
Manufacturer	Trimco
Model	1270WV.626
Finish	US26D, gray rubber
Material Composition	Stainless Steel, Rubber
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	1
Best Practices	Recycled content
Fastener	screws, concealed
Warranty	2 Years

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Trimco
Contact Name: Customer Service
Phone: 323.262.4191
Email: csr@TrimcoHardware.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry
Administration
Public Restrooms
Employee Areas
Guest Laundry
Fitness Center
Indoor Pool
Pool Storage
Welcome Desk
Engineering & Maintenance
Food & Beverage Back-of-House
Corridors

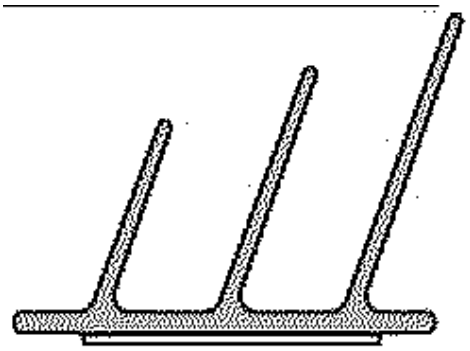
Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-007-PK_T25D

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Door seal
Item Type	Fire/smoke gasketing
Description	Fire/smoke gasketing, adhesive-backed
Manufacturer	Assa Abloy/Pemko
Model	S773D
Dimensions	17, 18, 20, 21 and 25 ft. coils
Color	Dark brown (D)
Material Composition	Silicone
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Fire/Smoke Rating	Tested and approved under UL 10C for fire; UL 1784 for smoke
Acoustical Performance	ASTM E90 and BS EN ISO 140-3 for sound control
Best Practices	Low-emitting materials
Quality Standards	BHMA A156.22
Accessibility Compliance	ADA and ANSI A117.1
Lead Time	Standard Lead Time 3-5 Business Days - Verify with Manufacturer.
Warranty	2 Years if installed with 6 months of ship

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Assa Abloy
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Stairs
Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry
Elevator Equipment Room
Administration
Public Restrooms
Employee Areas
Guest Laundry
Fitness Center
Indoor Pool
Pool Equipment
Pool Storage
Corridors

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-009-YA_T25D

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Door closer
Item Type	Door closer
Description	Heavy-Duty Non-Hold Open Parallel Arm with Removable Stop, Adjustable Size
Manufacturer	Yale
Model	2721
Dimensions	12-45/64" x 1-15/32"
Color	NA
Finish	689
Material Composition	Cast aluminum
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	1
Classification	Door closer
Fire/Smoke Rating	UL 10B and UL 10C compliance
Thermal Performance	Extreme temperature fluid (temperature range from -30 degrees F to 120 degrees F.)
Operation	Manual. Stop only arm, non-hold open.
Best Practices	Recycled content
Quality Standards	ANSI A156.4 Door Controls - Closers
Accessibility Compliance	ADA and ANSI A117.1
Accessories	Door mounting kit
Cover Finish	Paint
Opening Degree	180
Cover Material	Plastic
Mounting Type	Surface
Stop Type	Integral spring
Warranty	2 years

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Yale Locks & Hardware (Assa Abloy)
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

AREAS

Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Indoor Pool
Pool Equipment
Pool Storage

ALTERNATE MANUFACTURER 4	

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-016-SA_T25D

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Entry Lock (less deadbolt)
Item Type	Entry Lock with RFID Reader
Description	Electronic mortise lockset with 1" (25.4mm) and 5/8" (15.9mm) dead-locking latch bolt (LESS DEADBOLT)
Manufacturer	DormaKaba/Saflok
Model	Saflok Quantum RFID X ADB X BLE X Troy
Color	Satin Nickel
Finish	US15
Material Composition	Plated carbon steel
CSI #	087100 - Door Hardware
Omniclass #	22-087100 - Door Hardware
Grade	ANSI Grade 1
Best Practices	Recycled content of steel
Quality Standards	ANSI/BHMA A256.13-2012 Standard for Mortise Locks and Latches," and "ANSI/BHMA A256.25-2013 Standard for Electrified Locking Devices."
Accessibility Compliance	At a minimum, comply with accessibility regulations and standards of the country where the project is located. If governing accessibility regulations and standards do not exist, comply with the criteria as outlined by the U.S. ADA Standards for persons with disabilities. (www.ada.gov)
Accessories	Four (4) AA batteries
Handle Finish	Satin nickel US26D
RFID Finish	Black
Handle	Troy
Lead Time	Verify with manufacturer at time of purchase.
Warranty	2 Years
Notes	Case hardened full 1 inch (ANSI) Throw. Deadbolt with panic release function - deadbolt and latch are automatically retracted by inside handle for easy egress in case of emergency

SPECIAL INSTRUCTIONS

GC/Designer to determine handing necessary for project and order accordingly.

MANUFACTURER

Vendor Name: Saflok (dormakaba)
Contact Name:
Phone: 800-523-8483
Email: lodgingsupport@dormakaba.com

ALTERNATE MANUFACTURER 2

AREAS

Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry

Real Living Decor Package

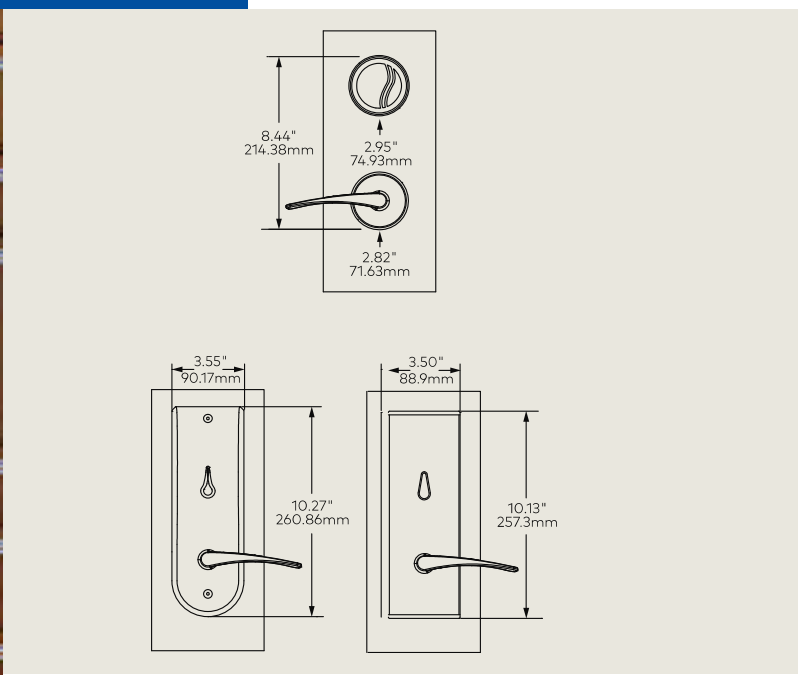
Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

ALTERNATE MANUFACTURER 3	Elevator Equipment Room Guest Laundry Fitness Center Indoor Pool Pool Equipment Pool Storage Welcome Desk Administration Engineering & Maintenance Food & Beverage Back-of-House
ALTERNATE MANUFACTURER 4	

DH-016-SA_T25D

Saflok Quantum™ RFID

dormakaba



Overview
The Saflok Quantum RFID lock offers a unique two-piece modular design with a choice of inside escutcheon look. Synonymous with superior performance, the lock is renowned for access control, life safety and security. The Quantum RFID is easy to use and works with dormakaba Access Management Software.

Mobile Access
The Quantum RFID is Bluetooth Low Energy (BLE) capable and can operate using the dormakaba Mobile Access Solutions.

Applications
- Suitable for small to very large scale hotels
- Easily replaces existing mechanical or electronic door locks throughout a facility
- Access control for guest rooms, common areas as well as back-of-house

Security Features
- High security and tamperproof design
- 1" solid deadbolt (optional auto deadbolt)
- Staff monitoring - Keycard audits
- Tracking mortise for door ajar reporting

Low Maintenance
- Batteries last up to 2 years
- Low battery indicator alerts staff
- Lock programming and audit records are not erased during battery replacement
- Operates with a completely sealed contactless reader

Access control management software
The Quantum RFID lock is supported by dormakaba's robust access management software solution that features an array of access control workflows for both guest and staff access. Optionally, choose dormakaba's online access management solution for superior control and monitoring.

Mechanical Features

Description	Electronic mortise lockset with 1" (25.4mm) throw deadbolt and ⅝" (15.9mm) dead-locking latch bolt
Handing	Factory-handed mortise (left, right, left reverse, right reverse)
Lever	ADA Compliant Apogee Arc Continental Elevon Gala Troy
Deadbolt	1" (25.4mm) throw deadbolt and ⅝" (15.9mm) dead-locking latch bolt
Door Thickness	1¾" (44.5mm) to 2⅛" (53.98mm) for standard product
Weight	Approx. 8.0 lbs with hardware
Housing Construction	Escutcheons: Zinc Levers: Brass, zinc, or stainless steel
Standard Finishes	Bright chrome, bright brass, satin chrome, satin brass, dark mahogany
Inside Trim Options	Optional ädəse or MT inside escutcheon
Standard Backset	2¾" (69.9mm) from door edge to lever
Locking Options	ANSI lock case with 1¼" or 1" lock front mortise Options: automatic deadbolt, door ajar European lock case mortise (20 x 165 mm) with 20 x 233 mm lock front mortise
Online Configurations	Messenger Ready: DAJ mortise (ANSI lock case) Standard (stand alone) inside escutcheon
	Messenger Online: Lock controller board with Messenger capability DAJ mortise (ANSI lock case) Inside escutcheon equipped with Messenger module

Mobile Access Options (Quantum RFID Series)

BLE compatible BLE ready BLE enabled	Standard Lock. Upgradable to BLE by adding BLE connector cable, end cap and BLE module Upgradable to BLE with BLE module End cap with BLE module included, no further upgrades needed

Batteries

Alkaline - Four AA battery pack	Battery life is up to 2 years Low battery indicator: alerts staff that batteries need to be changed soon

Lock Operation

Date/Time Stamp	Real-time; date and hours/minutes
Interrogation	Obtain key usage reports from the lock by using a handheld unit at the door, or increase efficiency by performing a remote Interrogation using Messenger (optional)
Pre-registered Keycards	Keys can be made up to ten days in advance without cancelling current or arriving guests
Keycard Expiration	Configurable expiration dates; can be automatically set for check out date or manually applied when making key during check in process.
Passage Mode	Set by authorized keycard or Messenger system. Can also be configured to perform an automated/pre-defined passage mode time.
Lockout Mode	Set by authorized keycard or Messenger system
Keycards Accepted	Mifare Classic keycards (4 byte NUID)
Feedback	Light indicators in reader
Diagnostics	Light indicators and handheld display
Audit Trail	Up to 4,000 events
Disability Feature	RCU readers interface with automatic power operated doors for special openings
Privacy Override	Emergency keycards

Certifications & Testing

Accessibility Standard	ADA compliant levers (Code of Federal Regulations 28 CFR Part 36 – 1994 "ADA Standards for Accessible Design")
BHMA/ANSI	Certified to be compliant with Grade One performance tests for "ANSI/BHMA A256.13-2012 Standard for Mortise Locks and Latches," and "ANSI/BHMA A256.25-2013 Standard for Electrified Locking Devices." (Only locks tested and approved by non-biased third-party test lab are allowed in the "BHMA Certified Products Directory" found at www.buildershardware.com)
Fire Rating	Listed for pre-prepared manufactured doors and certified for retrofitting on existing doors by Underwriters Laboratories for use on fire doors having up to a three-hour rating. a. U.L. Certification: GWVW.R12071 "Accessories for Single-point Locks and Latches and Fire Exit Hardware." Evaluated in accordance with UL 10B and UL 10C. b. U.L. Listing: GYQS.R11247 "Electrically Controlled Single-point Locks and Latches." Evaluated in accordance with UL 10B and UL 10C. c. Also classified in accordance with Uniform Building Code Standard 7-2, "Fire Test of Door Assemblies" (1997)
Electronics	FCC Part 15 Class A and CE directive 89/336/EEC compliant
Environmental Operating Conditions	Indoor side: 32°F to 151°F (0°C to 66°C) Outdoor side: -31°F to 151°F (-35°C to 66°C) 0% to 85% non-condensing humidity at 86°F (30°C)

Warranty

Standard Warranty	Two years
Support Programs	dormakaba Service Plans (Platinum, Gold, Silver)

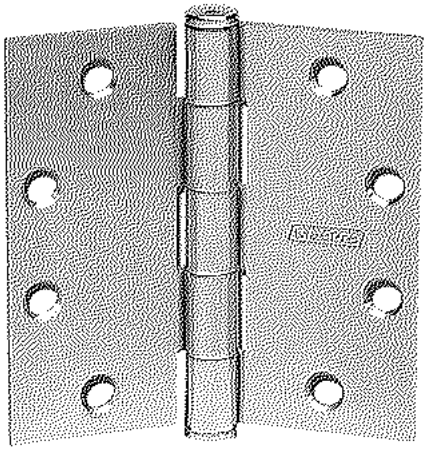
Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-017-MK_T25D

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Hinge
Item Type	Five Knuckle Standard Weight Hinge
Description	Five Knuckle Standard Weight Hinge with non-removable pin
Manufacturer	Assa Abloy/McKinney
Model	TA2314 4.5" x 4.5" NRP
Dimensions	4-1/2" x 4-1/2"
Finish	US26D
CSI #	087100 - Door Hardware
Omniclass #	22-087100 - Door Hardware
Quality Standards	ANSI/BHMA 156.1, 156.7
Knuckle	5-Knuckle
Weight	Standard
Lead Time	5-10 Business Days
Warranty	One year limited warranty
Notes	Refer to door hardware schedule for hardware locations



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Assa Abloy
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Indoor Pool
Pool Equipment
Pool Storage

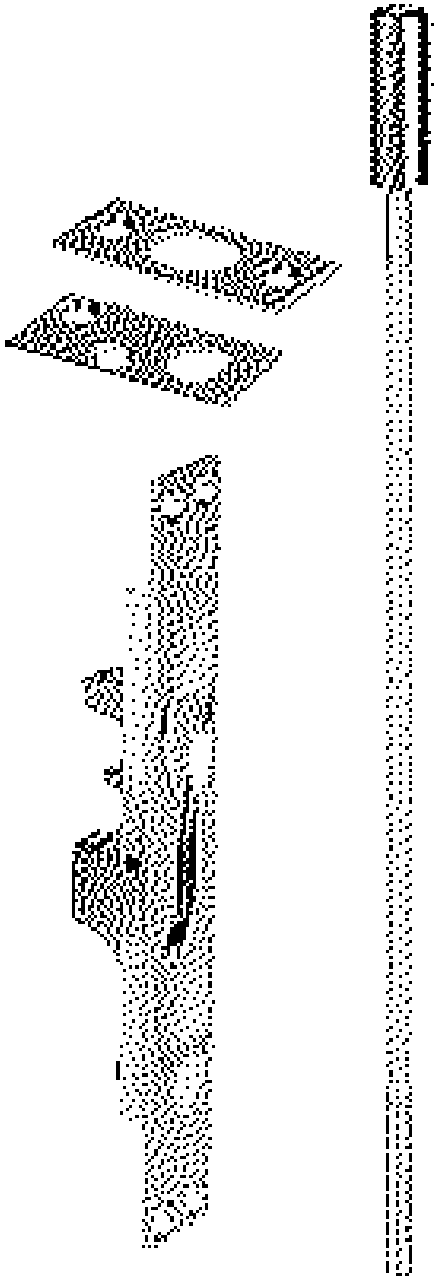
Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-047-TM_T25D

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Flush Bolt
Item Type	N/A
Description	Flush Bolt, 2-point latching
Manufacturer	Trimco
Model	3917
Dimensions	1"W x 6-3/4"H
Finish	626
Material Composition	Brass
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	1
Operation	Manual
Best Practices	Recycled content
Quality Standards	ANSI A156.16
Accessibility Compliance	ADA and ANSI A117.1
Accessories	Dustproof Strike Trimco 3910
Warranty	One year.



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Trimco
Contact Name: Customer Service
Phone: 323.262.4191
Email: csr@TrimcoHardware.com

AREAS

Administration
Storage
Indoor Pool

ALTERNATE MANUFACTURER 2	Pool Storage
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

T29_General Manager from Welcome Desk

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-006-TM_T29

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Door Stop
Item Type	Wall Mounted Door Stop
Description	Wrought concave wall bumper
Manufacturer	Trimco
Model	1270WV.626
Finish	US26D, gray rubber
Material Composition	Stainless Steel, Rubber
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	1
Best Practices	Recycled content
Fastener	screws, concealed
Warranty	2 Years

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Trimco
Contact Name: Customer Service
Phone: 323.262.4191
Email: csr@TrimcoHardware.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry
Administration
Public Restrooms
Employee Areas
Guest Laundry
Fitness Center
Indoor Pool
Pool Storage
Welcome Desk
Engineering & Maintenance
Food & Beverage Back-of-House
Corridors

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-016-SA_T29

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Entry Lock (less deadbolt)
Item Type	Entry Lock with RFID Reader
Description	Electronic mortise lockset with 1" (25.4mm) and 5/8" (15.9mm) dead-locking latch bolt (LESS DEADBOLT)
Manufacturer	DormaKaba/Saflok
Model	Saflok Quantum RFID X ADB X BLE X Troy
Color	Satin Nickel
Finish	US15
Material Composition	Plated carbon steel
CSI #	087100 - Door Hardware
Omniclass #	22-087100 - Door Hardware
Grade	ANSI Grade 1
Best Practices	Recycled content of steel
Quality Standards	ANSI/BHMA A256.13-2012 Standard for Mortise Locks and Latches," and "ANSI/BHMA A256.25-2013 Standard for Electrified Locking Devices."
Accessibility Compliance	At a minimum, comply with accessibility regulations and standards of the country where the project is located. If governing accessibility regulations and standards do not exist, comply with the criteria as outlined by the U.S. ADA Standards for persons with disabilities. (www.ada.gov)
Accessories	Four (4) AA batteries
Handle Finish	Satin nickel US26D
RFID Finish	Black
Handle	Troy
Lead Time	Verify with manufacturer at time of purchase.
Warranty	2 Years
Notes	Case hardened full 1 inch (ANSI) Throw. Deadbolt with panic release function - deadbolt and latch are automatically retracted by inside handle for easy egress in case of emergency

SPECIAL INSTRUCTIONS

GC/Designer to determine handing necessary for project and order accordingly.

MANUFACTURER

Vendor Name: Saflok (dormakaba)
Contact Name:
Phone: 800-523-8483
Email: lodgingsupport@dormakaba.com

ALTERNATE MANUFACTURER 2

AREAS

Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry

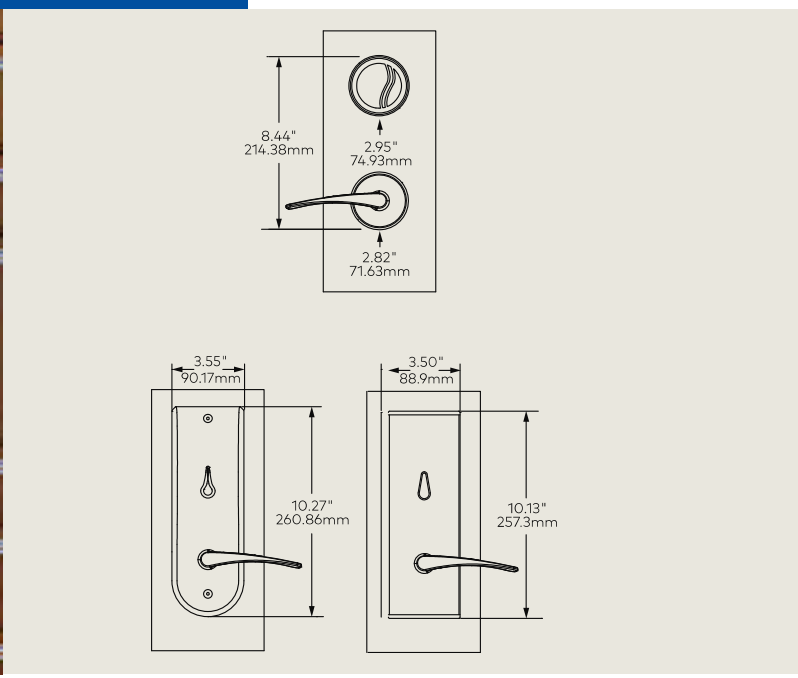
Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

ALTERNATE MANUFACTURER 3	Elevator Equipment Room Guest Laundry Fitness Center Indoor Pool Pool Equipment Pool Storage Welcome Desk Administration Engineering & Maintenance Food & Beverage Back-of-House
ALTERNATE MANUFACTURER 4	

Saflok Quantum™ RFID

dormakaba



Overview
The Saflok Quantum RFID lock offers a unique two-piece modular design with a choice of inside escutcheon look. Synonymous with superior performance, the lock is renowned for access control, life safety and security. The Quantum RFID is easy to use and works with dormakaba Access Management Software.

Mobile Access
The Quantum RFID is Bluetooth Low Energy (BLE) capable and can operate using the dormakaba Mobile Access Solutions.

Applications
- Suitable for small to very large scale hotels
- Easily replaces existing mechanical or electronic door locks throughout a facility
- Access control for guest rooms, common areas as well as back-of-house

Security Features
- High security and tamperproof design
- 1" solid deadbolt (optional auto deadbolt)
- Staff monitoring - Keycard audits
- Tracking mortise for door ajar reporting

Low Maintenance
- Batteries last up to 2 years
- Low battery indicator alerts staff
- Lock programming and audit records are not erased during battery replacement
- Operates with a completely sealed contactless reader

Access control management software
The Quantum RFID lock is supported by dormakaba's robust access management software solution that features an array of access control workflows for both guest and staff access. Optionally, choose dormakaba's online access management solution for superior control and monitoring.

DH-016-SA_T29

Mechanical Features

Description	Electronic mortise lockset with 1" (25.4mm) throw deadbolt and ⅝" (15.9mm) dead-locking latch bolt
Handing	Factory-handed mortise (left, right, left reverse, right reverse)
Lever	ADA Compliant Apogee Arc Continental Elevon Gala Troy
Deadbolt	1" (25.4mm) throw deadbolt and ⅝" (15.9mm) dead-locking latch bolt
Door Thickness	1¾" (44.5mm) to 2⅛" (53.98mm) for standard product
Weight	Approx. 8.0 lbs with hardware
Housing Construction	Escutcheons: Zinc Levers: Brass, zinc, or stainless steel
Standard Finishes	Bright chrome, bright brass, satin chrome, satin brass, dark mahogany
Inside Trim Options	Optional ädəse or MT inside escutcheon
Standard Backset	2¾" (69.9mm) from door edge to lever
Locking Options	ANSI lock case with 1¼" or 1" lock front mortise Options: automatic deadbolt, door ajar European lock case mortise (20 x 165 mm) with 20 x 233 mm lock front mortise
Online Configurations	Messenger Ready: DAJ mortise (ANSI lock case) Standard (stand alone) inside escutcheon
	Messenger Online: Lock controller board with Messenger capability DAJ mortise (ANSI lock case) Inside escutcheon equipped with Messenger module

Mobile Access Options (Quantum RFID Series)

BLE compatible BLE ready BLE enabled	Standard Lock. Upgradable to BLE by adding BLE connector cable, end cap and BLE module Upgradable to BLE with BLE module End cap with BLE module included, no further upgrades needed

Batteries

Alkaline - Four AA battery pack	Battery life is up to 2 years Low battery indicator: alerts staff that batteries need to be changed soon

Lock Operation

Date/Time Stamp	Real-time; date and hours/minutes
Interrogation	Obtain key usage reports from the lock by using a handheld unit at the door, or increase efficiency by performing a remote Interrogation using Messenger (optional)
Pre-registered Keycards	Keys can be made up to ten days in advance without cancelling current or arriving guests
Keycard Expiration	Configurable expiration dates; can be automatically set for check out date or manually applied when making key during check in process.
Passage Mode	Set by authorized keycard or Messenger system. Can also be configured to perform an automated/pre-defined passage mode time.
Lockout Mode	Set by authorized keycard or Messenger system
Keycards Accepted	Mifare Classic keycards (4 byte NUID)
Feedback	Light indicators in reader
Diagnostics	Light indicators and handheld display
Audit Trail	Up to 4,000 events
Disability Feature	RCU readers interface with automatic power operated doors for special openings
Privacy Override	Emergency keycards

Certifications & Testing

Accessibility Standard	ADA compliant levers (Code of Federal Regulations 28 CFR Part 36 – 1994 "ADA Standards for Accessible Design")
BHMA/ANSI	Certified to be compliant with Grade One performance tests for "ANSI/BHMA A256.13-2012 Standard for Mortise Locks and Latches," and "ANSI/BHMA A256.25-2013 Standard for Electrified Locking Devices." (Only locks tested and approved by non-biased third-party test lab are allowed in the "BHMA Certified Products Directory" found at www.buildershardware.com)
Fire Rating	Listed for pre-prepared manufactured doors and certified for retrofitting on existing doors by Underwriters Laboratories for use on fire doors having up to a three-hour rating. a. U.L. Certification: GWVW.R12071 "Accessories for Single-point Locks and Latches and Fire Exit Hardware." Evaluated in accordance with UL 10B and UL 10C. b. U.L. Listing: GYQS.R11247 "Electrically Controlled Single-point Locks and Latches." Evaluated in accordance with UL 10B and UL 10C. c. Also classified in accordance with Uniform Building Code Standard 7-2, "Fire Test of Door Assemblies" (1997)
Electronics	FCC Part 15 Class A and CE directive 89/336/EEC compliant
Environmental Operating Conditions	Indoor side: 32°F to 151°F (0°C to 66°C) Outdoor side: -31°F to 151°F (-35°C to 66°C) 0% to 85% non-condensing humidity at 86°F (30°C)

Warranty

Standard Warranty	Two years
Support Programs	dormakaba Service Plans (Platinum, Gold, Silver)

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-044-TM_T29

Revision 1

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date: **Nov 23, 2022**

Item Name	Door Silencers
Item Type	Door Silencers for Metal Door Frames
Description	High Grade Rubber, Triangular
Manufacturer	Trimco
Model	1229A
Dimensions	1/2" x 1/2"
Color	Grey
CSI #	08 71 00 Door Hardware
Omniclass #	22-087100
Grade	BHMA L03011
Notes	Sold in multiples of 100

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Trimco
Contact Name: Customer Service
Phone: 323.262.4191
Email: csr@TrimcoHardware.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk
Administration
Engineering & Maintenance
Food & Beverage Back-of-House
Back-of-House Laundry
Mechanical, Plumbing & Electrical

T30_Offices

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-006-TM_T30

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Door Stop
Item Type	Wall Mounted Door Stop
Description	Wrought concave wall bumper
Manufacturer	Trimco
Model	1270WV.626
Finish	US26D, gray rubber
Material Composition	Stainless Steel, Rubber
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	1
Best Practices	Recycled content
Fastener	screws, concealed
Warranty	2 Years

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Trimco
Contact Name: Customer Service
Phone: 323.262.4191
Email: csr@TrimcoHardware.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry
Administration
Public Restrooms
Employee Areas
Guest Laundry
Fitness Center
Indoor Pool
Pool Storage
Welcome Desk
Engineering & Maintenance
Food & Beverage Back-of-House
Corridors

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-016-SA_T30

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Entry Lock (less deadbolt)
Item Type	Entry Lock with RFID Reader
Description	Electronic mortise lockset with 1" (25.4mm) and 5/8" (15.9mm) dead-locking latch bolt (LESS DEADBOLT)
Manufacturer	DormaKaba/Saflok
Model	Saflok Quantum RFID X ADB X BLE X Troy
Color	Satin Nickel
Finish	US15
Material Composition	Plated carbon steel
CSI #	087100 - Door Hardware
Omniclass #	22-087100 - Door Hardware
Grade	ANSI Grade 1
Best Practices	Recycled content of steel
Quality Standards	ANSI/BHMA A256.13-2012 Standard for Mortise Locks and Latches," and "ANSI/BHMA A256.25-2013 Standard for Electrified Locking Devices."
Accessibility Compliance	At a minimum, comply with accessibility regulations and standards of the country where the project is located. If governing accessibility regulations and standards do not exist, comply with the criteria as outlined by the U.S. ADA Standards for persons with disabilities. (www.ada.gov)
Accessories	Four (4) AA batteries
Handle Finish	Satin nickel US26D
RFID Finish	Black
Handle	Troy
Lead Time	Verify with manufacturer at time of purchase.
Warranty	2 Years
Notes	Case hardened full 1 inch (ANSI) Throw. Deadbolt with panic release function - deadbolt and latch are automatically retracted by inside handle for easy egress in case of emergency

SPECIAL INSTRUCTIONS

GC/Designer to determine handing necessary for project and order accordingly.

MANUFACTURER

Vendor Name: Saflok (dormakaba)
Contact Name:
Phone: 800-523-8483
Email: lodgingsupport@dormakaba.com

ALTERNATE MANUFACTURER 2

AREAS

Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry

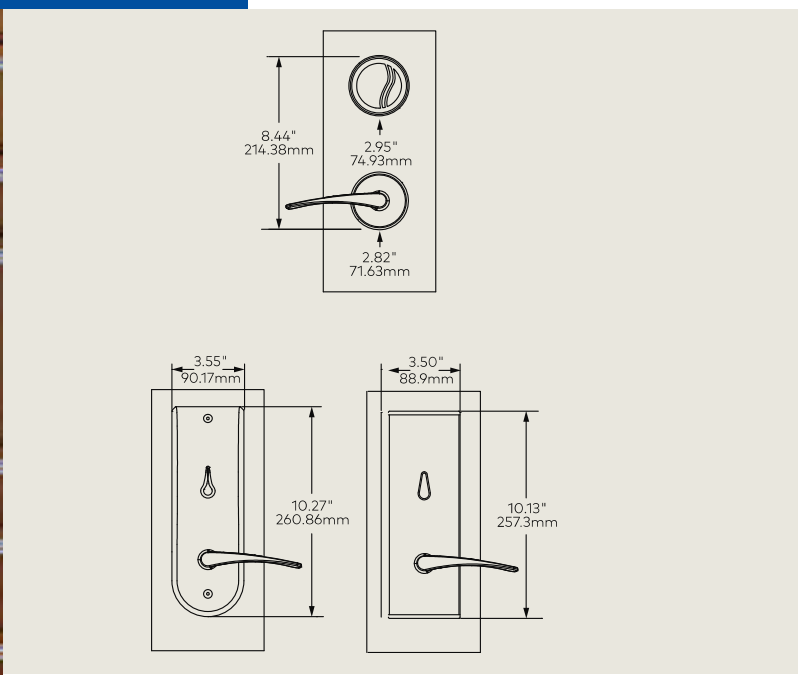
Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

ALTERNATE MANUFACTURER 3	Elevator Equipment Room Guest Laundry Fitness Center Indoor Pool Pool Equipment Pool Storage Welcome Desk Administration Engineering & Maintenance Food & Beverage Back-of-House
ALTERNATE MANUFACTURER 4	

Saflok Quantum™ RFID

dormakaba



Overview
The Saflok Quantum RFID lock offers a unique two-piece modular design with a choice of inside escutcheon look. Synonymous with superior performance, the lock is renowned for access control, life safety and security. The Quantum RFID is easy to use and works with dormakaba Access Management Software.

Mobile Access
The Quantum RFID is Bluetooth Low Energy (BLE) capable and can operate using the dormakaba Mobile Access Solutions.

Applications
- Suitable for small to very large scale hotels
- Easily replaces existing mechanical or electronic door locks throughout a facility
- Access control for guest rooms, common areas as well as back-of-house

Security Features
- High security and tamperproof design
- 1" solid deadbolt (optional auto deadbolt)
- Staff monitoring - Keycard audits
- Tracking mortise for door ajar reporting

Low Maintenance
- Batteries last up to 2 years
- Low battery indicator alerts staff
- Lock programming and audit records are not erased during battery replacement
- Operates with a completely sealed contactless reader

Access control management software
The Quantum RFID lock is supported by dormakaba's robust access management software solution that features an array of access control workflows for both guest and staff access. Optionally, choose dormakaba's online access management solution for superior control and monitoring.

DH-016-SA_T30

Mechanical Features

Description	Electronic mortise lockset with 1" (25.4mm) throw deadbolt and ⅝" (15.9mm) dead-locking latch bolt
Handing	Factory-handed mortise (left, right, left reverse, right reverse)
Lever	ADA Compliant Apogee Arc Continental Elevon Gala Troy
Deadbolt	1" (25.4mm) throw deadbolt and ⅝" (15.9mm) dead-locking latch bolt
Door Thickness	1¾" (44.5mm) to 2⅛" (53.98mm) for standard product
Weight	Approx. 8.0 lbs with hardware
Housing Construction	Escutcheons: Zinc Levers: Brass, zinc, or stainless steel
Standard Finishes	Bright chrome, bright brass, satin chrome, satin brass, dark mahogany
Inside Trim Options	Optional ädəse or MT inside escutcheon
Standard Backset	2¾" (69.9mm) from door edge to lever
Locking Options	ANSI lock case with 1¼" or 1" lock front mortise Options: automatic deadbolt, door ajar European lock case mortise (20 x 165 mm) with 20 x 233 mm lock front mortise
Online Configurations	Messenger Ready: DAJ mortise (ANSI lock case) Standard (stand alone) inside escutcheon
	Messenger Online: Lock controller board with Messenger capability DAJ mortise (ANSI lock case) Inside escutcheon equipped with Messenger module

Mobile Access Options (Quantum RFID Series)

BLE compatible BLE ready BLE enabled	Standard Lock. Upgradable to BLE by adding BLE connector cable, end cap and BLE module Upgradable to BLE with BLE module End cap with BLE module included, no further upgrades needed

Batteries

Alkaline - Four AA battery pack	Battery life is up to 2 years Low battery indicator: alerts staff that batteries need to be changed soon

Lock Operation

Date/Time Stamp	Real-time; date and hours/minutes
Interrogation	Obtain key usage reports from the lock by using a handheld unit at the door, or increase efficiency by performing a remote Interrogation using Messenger (optional)
Pre-registered Keycards	Keys can be made up to ten days in advance without cancelling current or arriving guests
Keycard Expiration	Configurable expiration dates; can be automatically set for check out date or manually applied when making key during check in process.
Passage Mode	Set by authorized keycard or Messenger system. Can also be configured to perform an automated/pre-defined passage mode time.
Lockout Mode	Set by authorized keycard or Messenger system
Keycards Accepted	Mifare Classic keycards (4 byte NUID)
Feedback	Light indicators in reader
Diagnostics	Light indicators and handheld display
Audit Trail	Up to 4,000 events
Disability Feature	RCU readers interface with automatic power operated doors for special openings
Privacy Override	Emergency keycards

Certifications & Testing

Accessibility Standard	ADA compliant levers (Code of Federal Regulations 28 CFR Part 36 – 1994 "ADA Standards for Accessible Design")
BHMA/ANSI	Certified to be compliant with Grade One performance tests for "ANSI/BHMA A256.13-2012 Standard for Mortise Locks and Latches," and "ANSI/BHMA A256.25-2013 Standard for Electrified Locking Devices." (Only locks tested and approved by non-biased third-party test lab are allowed in the "BHMA Certified Products Directory" found at www.buildershardware.com)
Fire Rating	Listed for pre-prepared manufactured doors and certified for retrofitting on existing doors by Underwriters Laboratories for use on fire doors having up to a three-hour rating. a. U.L. Certification: GWVW.R12071 "Accessories for Single-point Locks and Latches and Fire Exit Hardware." Evaluated in accordance with UL 10B and UL 10C. b. U.L. Listing: GYQS.R11247 "Electrically Controlled Single-point Locks and Latches." Evaluated in accordance with UL 10B and UL 10C. c. Also classified in accordance with Uniform Building Code Standard 7-2, "Fire Test of Door Assemblies" (1997)
Electronics	FCC Part 15 Class A and CE directive 89/336/EEC compliant
Environmental Operating Conditions	Indoor side: 32°F to 151°F (0°C to 66°C) Outdoor side: -31°F to 151°F (-35°C to 66°C) 0% to 85% non-condensing humidity at 86°F (30°C)

Warranty

Standard Warranty	Two years
Support Programs	dormakaba Service Plans (Platinum, Gold, Silver)

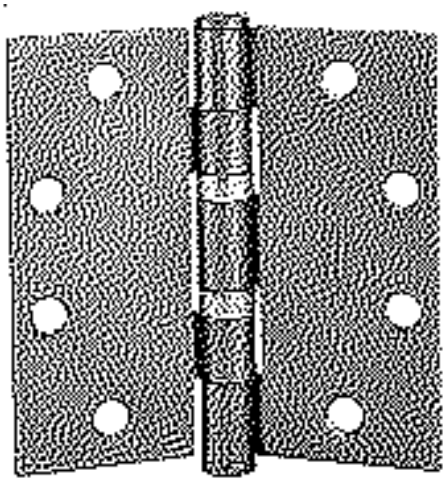
Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-022-MK_T30

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Hinge
Item Type	Hinge
Description	Five knuckle standard weight hinge
Manufacturer	ASSA ABLOY/McKinney
Model	TA2714
Dimensions	4-1/2" x 4-1/2"
Finish	US15, Satin Nickel
CSI #	087100 - Door Hardware
Omniclass #	22 - 087100 - Door Hardware
Quality Standards	ANSI/BHMA A156.1, 156.7
Knuckle	Five Knuckle
Weight	Standard
Lead Time	5-10 business days
Warranty	One year limited warranty



SPECIAL INSTRUCTIONS
Refer to door hardware schedule for hardware locations

MANUFACTURER

Vendor Name: Assa Abloy
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Stairs
Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry
Elevator Equipment Room
Public Restrooms
Employee Areas
Guest Laundry
Fitness Center
Administration
Engineering & Maintenance
Food & Beverage Back-of-House

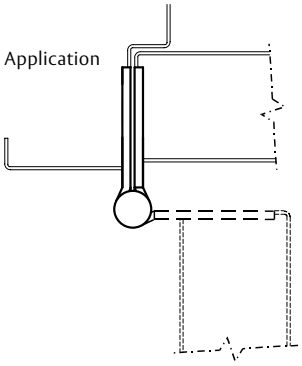
Five Knuckle Standard Weight Series

Recommended for standard weight, medium frequency doors, or doors with closing devices.

- Use for common flush door/frame/wall applications
- For Beveled Edge, where doors are beveled on hinge side, specify TA4314 or TA4714
- For available finishes see page 29

TA2314
TA2714

No.	ANSI Cross Reference	Base Material	Weight
TA2314	A5112	Stainless	STD
TA2314	A2112	Brass	STD
TA2714	A8112	Steel	STD



Specifications

Inches	mm	Gauge	No. of Holes	Fasteners	
				Machine	Wood
3 1/2" x 3 1/2"*	88.9 x 88.9	.123	6	1/2 x 10-24	1 x 10
4" x 4"*	101.6 x 101.6	.130	8	1/2 x 12-24	1 1/4 x 12
4 1/2" x 4"	114.3 x 101.6	.134	8	1/2 x 12-24	1 1/4 x 12
4 1/2" x 4 1/2"	114.3 x 114.3	.134	8	1/2 x 12-24	1 1/4 x 12
5" x 4 1/2"*	127 x 114.3	.146	8	1/2 x 12-24	1 1/4 x 12
5" x 5"*	127 x 127	.146	8	1/2 x 12-24	1 1/4 x 12
6" x 6"*	152.4 x 152.4	.160	10	1/2 x 1/4-20	1 1/2 x 14

* Not available in Brass base material.

Options:

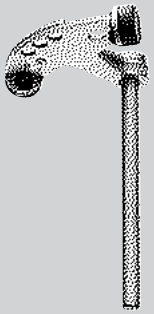
Code	Description
NRP	Non-Removable Pin
TB	Ball Bearing
TCA	Concealed Bearing
RC	Round Corner – 1/4" radius furnished unless specified otherwise
HT	Hospital Tip

Code	Description
BT	Ball Tip
ST	Steeple Tip
SSF	Safety Stud Feature
QC	ElectroLynx® Hinge – 2, 4, 6, 8, 10 or 12 wire available

Code	Description
CC	Concealed Circuit – 2, 4, 6, 8, 10 or 12 wire available
CC-18	Concealed Circuit – 2, 4, 6, 8 or 10 wire available (2-18AWG wires and the remainder 28AWG wires)
MM	Magnetic Monitoring

McKinney Hinge Pin Door Stop

- Recommended for high-use or high impact doors with McKinney T2714 or TA2714 hinges
- Protects against damage to doors and walls
- Runs the full length of the hinge



Part number	Description	Finish
76305	Hinge Pin Stop for MacPro MP79 & MPB79	26D
76306	Hinge Pin Stop for McKinney T2714 & TA2714	26D

ASSA ABLOY

The global leader in door opening solutions

800-346-7707 | www.mckinneyhinge.com

Check the web site for the up-to-date catalog

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Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-044-TM_T30

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Door Silencers
Item Type	Door Silencers for Metal Door Frames
Description	High Grade Rubber, Triangular
Manufacturer	Trimco
Model	1229A
Dimensions	1/2" x 1/2"
Color	Grey
CSI #	08 71 00 Door Hardware
Omniclass #	22-087100
Grade	BHMA L03011
Notes	Sold in multiples of 100

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Trimco
Contact Name: Customer Service
Phone: 323.262.4191
Email: csr@TrimcoHardware.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk
Administration
Engineering & Maintenance
Food & Beverage Back-of-House
Back-of-House Laundry
Mechanical, Plumbing & Electrical

T31_Food Prep_House Laundry_Engineer_Mechanical

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-003-YA_T31

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Door Closer
Item Type	Surface Door Closer
Description	Architectural Door Closer with cover; parallel arm configuration
Manufacturer	Yale
Model	2701
Dimensions	13-5/8" L x 3-7/8" H x 7-5/8" Arm Extension
Color	689
Finish	Plated
Material Composition	Aluminum alloy
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 Door Hardware
Grade	ANSI Grade 1
Fire/Smoke Rating	UL and cUL listed for 3 hour assemblies
Operation	Manual, hydraulic
Best Practices	Recycled content
Quality Standards	ANSI/BHMA A156.4, Grade 1 certified; UL / cUL listed for use on fire rated doors; UL10C listed for positive pressure fire test; 8301 and 8501 door closers are designed to comply with requirements for the Americans with Disabilities Act (A.D.A) and ANSI standard A117.1
Accessibility Compliance	ADA and ANSI/BHMA A117.1
Accessories	Drop plate required for glazed doors
Cover Finish	689, Aluminum
Opening Degree	Adjustable, from 85° to 110° in 5° increments
Cover Material	Metal
Mounting Type	Surface
Stop Type	Integral
Warranty	10 years
Notes	https://tinyurl.com/26y8yycx

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Yale Locks & Hardware (Assa Abloy)
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

AREAS

Stairs
Back-of-House Laundry
Storage
Elevator Equipment Room
Public Restrooms

ALTERNATE MANUFACTURER 3	Employee Areas Guest Laundry Fitness Center Engineering & Maintenance Food & Beverage Back-of-House Mechanical, Plumbing & Electrical Corridors
ALTERNATE MANUFACTURER 4	

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-006-TM_T31

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Door Stop
Item Type	Wall Mounted Door Stop
Description	Wrought concave wall bumper
Manufacturer	Trimco
Model	1270WV.626
Finish	US26D, gray rubber
Material Composition	Stainless Steel, Rubber
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	1
Best Practices	Recycled content
Fastener	screws, concealed
Warranty	2 Years

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Trimco
Contact Name: Customer Service
Phone: 323.262.4191
Email: csr@TrimcoHardware.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry
Administration
Public Restrooms
Employee Areas
Guest Laundry
Fitness Center
Indoor Pool
Pool Storage
Welcome Desk
Engineering & Maintenance
Food & Beverage Back-of-House
Corridors

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-016-SA_T31

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Entry Lock (less deadbolt)
Item Type	Entry Lock with RFID Reader
Description	Electronic mortise lockset with 1" (25.4mm) and 5/8" (15.9mm) dead-locking latch bolt (LESS DEADBOLT)
Manufacturer	DormaKaba/Saflok
Model	Saflok Quantum RFID X ADB X BLE X Troy
Color	Satin Nickel
Finish	US15
Material Composition	Plated carbon steel
CSI #	087100 - Door Hardware
Omniclass #	22-087100 - Door Hardware
Grade	ANSI Grade 1
Best Practices	Recycled content of steel
Quality Standards	ANSI/BHMA A256.13-2012 Standard for Mortise Locks and Latches," and "ANSI/BHMA A256.25-2013 Standard for Electrified Locking Devices."
Accessibility Compliance	At a minimum, comply with accessibility regulations and standards of the country where the project is located. If governing accessibility regulations and standards do not exist, comply with the criteria as outlined by the U.S. ADA Standards for persons with disabilities. (www.ada.gov)
Accessories	Four (4) AA batteries
Handle Finish	Satin nickel US26D
RFID Finish	Black
Handle	Troy
Lead Time	Verify with manufacturer at time of purchase.
Warranty	2 Years
Notes	Case hardened full 1 inch (ANSI) Throw. Deadbolt with panic release function - deadbolt and latch are automatically retracted by inside handle for easy egress in case of emergency

SPECIAL INSTRUCTIONS

GC/Designer to determine handing necessary for project and order accordingly.

MANUFACTURER

Vendor Name: Saflok (dormakaba)
Contact Name:
Phone: 800-523-8483
Email: lodgingsupport@dormakaba.com

ALTERNATE MANUFACTURER 2

AREAS

Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry

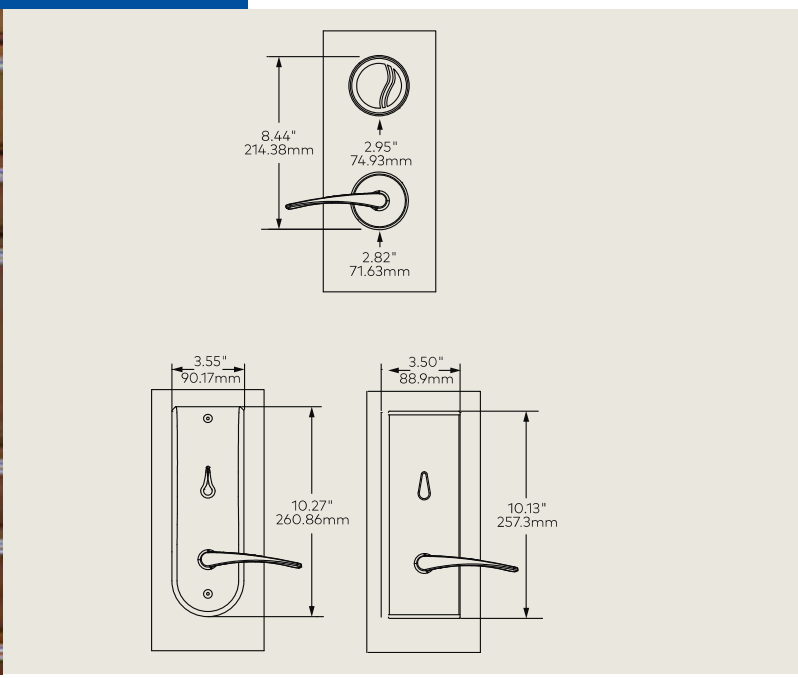
Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

ALTERNATE MANUFACTURER 3	Elevator Equipment Room Guest Laundry Fitness Center Indoor Pool Pool Equipment Pool Storage Welcome Desk Administration Engineering & Maintenance Food & Beverage Back-of-House
ALTERNATE MANUFACTURER 4	

Saflok Quantum™ RFID

dormakaba



Overview
The Saflok Quantum RFID lock offers a unique two-piece modular design with a choice of inside escutcheon look. Synonymous with superior performance, the lock is renowned for access control, life safety and security. The Quantum RFID is easy to use and works with dormakaba Access Management Software.

Mobile Access
The Quantum RFID is Bluetooth Low Energy (BLE) capable and can operate using the dormakaba Mobile Access Solutions.

Applications
- Suitable for small to very large scale hotels
- Easily replaces existing mechanical or electronic door locks throughout a facility
- Access control for guest rooms, common areas as well as back-of-house

Security Features
- High security and tamperproof design
- 1" solid deadbolt (optional auto deadbolt)
- Staff monitoring - Keycard audits
- Tracking mortise for door ajar reporting

Low Maintenance
- Batteries last up to 2 years
- Low battery indicator alerts staff
- Lock programming and audit records are not erased during battery replacement
- Operates with a completely sealed contactless reader

Access control management software
The Quantum RFID lock is supported by dormakaba's robust access management software solution that features an array of access control workflows for both guest and staff access. Optionally, choose dormakaba's online access management solution for superior control and monitoring.

DH-016-SA_T31

Mechanical Features

Description	Electronic mortise lockset with 1" (25.4mm) throw deadbolt and ⅝" (15.9mm) dead-locking latch bolt
Handing	Factory-handed mortise (left, right, left reverse, right reverse)
Lever	ADA Compliant Apogee Arc Continental Elevon Gala Troy
Deadbolt	1" (25.4mm) throw deadbolt and ⅝" (15.9mm) dead-locking latch bolt
Door Thickness	1¾" (44.5mm) to 2⅛" (53.98mm) for standard product
Weight	Approx. 8.0 lbs with hardware
Housing Construction	Escutcheons: Zinc Levers: Brass, zinc, or stainless steel
Standard Finishes	Bright chrome, bright brass, satin chrome, satin brass, dark mahogany
Inside Trim Options	Optional ädəse or MT inside escutcheon
Standard Backset	2¾" (69.9mm) from door edge to lever
Locking Options	ANSI lock case with 1¼" or 1" lock front mortise Options: automatic deadbolt, door ajar European lock case mortise (20 x 165 mm) with 20 x 233 mm lock front mortise
Online Configurations	Messenger Ready: DAJ mortise (ANSI lock case) Standard (stand alone) inside escutcheon
	Messenger Online: Lock controller board with Messenger capability DAJ mortise (ANSI lock case) Inside escutcheon equipped with Messenger module

Mobile Access Options (Quantum RFID Series)

BLE compatible BLE ready BLE enabled	Standard Lock. Upgradable to BLE by adding BLE connector cable, end cap and BLE module Upgradable to BLE with BLE module End cap with BLE module included, no further upgrades needed

Batteries

Alkaline - Four AA battery pack	Battery life is up to 2 years Low battery indicator: alerts staff that batteries need to be changed soon

Lock Operation

Date/Time Stamp	Real-time; date and hours/minutes
Interrogation	Obtain key usage reports from the lock by using a handheld unit at the door, or increase efficiency by performing a remote Interrogation using Messenger (optional)
Pre-registered Keycards	Keys can be made up to ten days in advance without cancelling current or arriving guests
Keycard Expiration	Configurable expiration dates; can be automatically set for check out date or manually applied when making key during check in process.
Passage Mode	Set by authorized keycard or Messenger system. Can also be configured to perform an automated/pre-defined passage mode time.
Lockout Mode	Set by authorized keycard or Messenger system
Keycards Accepted	Mifare Classic keycards (4 byte NUID)
Feedback	Light indicators in reader
Diagnostics	Light indicators and handheld display
Audit Trail	Up to 4,000 events
Disability Feature	RCU readers interface with automatic power operated doors for special openings
Privacy Override	Emergency keycards

Certifications & Testing

Accessibility Standard	ADA compliant levers (Code of Federal Regulations 28 CFR Part 36 – 1994 "ADA Standards for Accessible Design")
BHMA/ANSI	Certified to be compliant with Grade One performance tests for "ANSI/BHMA A256.13-2012 Standard for Mortise Locks and Latches," and "ANSI/BHMA A256.25-2013 Standard for Electrified Locking Devices." (Only locks tested and approved by non-biased third-party test lab are allowed in the "BHMA Certified Products Directory" found at www.buildershardware.com)
Fire Rating	Listed for pre-prepared manufactured doors and certified for retrofitting on existing doors by Underwriters Laboratories for use on fire doors having up to a three-hour rating. a. U.L. Certification: GWVW.R12071 "Accessories for Single-point Locks and Latches and Fire Exit Hardware." Evaluated in accordance with UL 10B and UL 10C. b. U.L. Listing: GYQS.R11247 "Electrically Controlled Single-point Locks and Latches." Evaluated in accordance with UL 10B and UL 10C. c. Also classified in accordance with Uniform Building Code Standard 7-2, "Fire Test of Door Assemblies" (1997)
Electronics	FCC Part 15 Class A and CE directive 89/336/EEC compliant
Environmental Operating Conditions	Indoor side: 32°F to 151°F (0°C to 66°C) Outdoor side: -31°F to 151°F (-35°C to 66°C) 0% to 85% non-condensing humidity at 86°F (30°C)

Warranty

Standard Warranty	Two years
Support Programs	dormakaba Service Plans (Platinum, Gold, Silver)

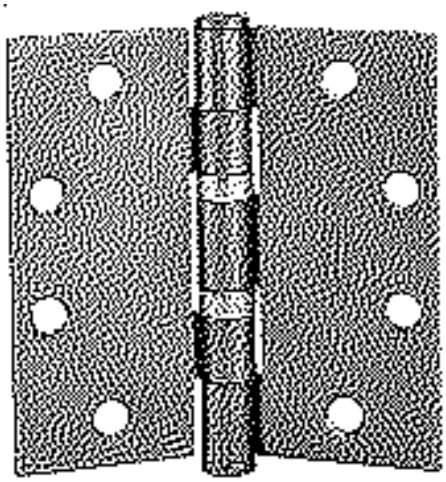
Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-022-MK_T31

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Hinge
Item Type	Hinge
Description	Five knuckle standard weight hinge
Manufacturer	ASSA ABLOY/McKinney
Model	TA2714
Dimensions	4-1/2" x 4-1/2"
Finish	US15, Satin Nickel
CSI #	087100 - Door Hardware
Omniclass #	22 - 087100 - Door Hardware
Quality Standards	ANSI/BHMA A156.1, 156.7
Knuckle	Five Knuckle
Weight	Standard
Lead Time	5-10 business days
Warranty	One year limited warranty



SPECIAL INSTRUCTIONS
Refer to door hardware schedule for hardware locations

MANUFACTURER

Vendor Name: Assa Abloy
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Stairs
Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry
Elevator Equipment Room
Public Restrooms
Employee Areas
Guest Laundry
Fitness Center
Administration
Engineering & Maintenance
Food & Beverage Back-of-House

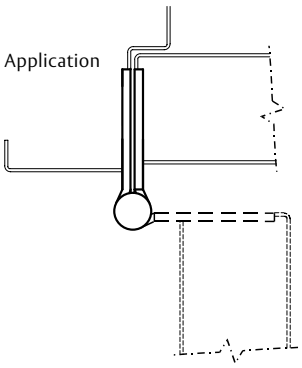
Five Knuckle Standard Weight Series

Recommended for standard weight, medium frequency doors, or doors with closing devices.

- Use for common flush door/frame/wall applications
- For Beveled Edge, where doors are beveled on hinge side, specify TA4314 or TA4714
- For available finishes see page 29

TA2314
TA2714

No.	ANSI Cross Reference	Base Material	Weight
TA2314	A5112	Stainless	STD
TA2314	A2112	Brass	STD
TA2714	A8112	Steel	STD



Specifications

Inches	mm	Gauge	No. of Holes	Fasteners	
				Machine	Wood
3 1/2" x 3 1/2"*	88.9 x 88.9	.123	6	1/2 x 10-24	1 x 10
4" x 4"*	101.6 x 101.6	.130	8	1/2 x 12-24	1 1/4 x 12
4 1/2" x 4"	114.3 x 101.6	.134	8	1/2 x 12-24	1 1/4 x 12
4 1/2" x 4 1/2"	114.3 x 114.3	.134	8	1/2 x 12-24	1 1/4 x 12
5" x 4 1/2"*	127 x 114.3	.146	8	1/2 x 12-24	1 1/4 x 12
5" x 5"*	127 x 127	.146	8	1/2 x 12-24	1 1/4 x 12
6" x 6"*	152.4 x 152.4	.160	10	1/2 x 1/4-20	1 1/2 x 14

* Not available in Brass base material.

Options:

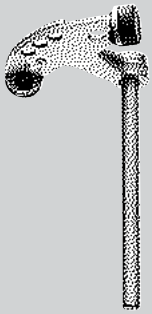
Code	Description
NRP	Non-Removable Pin
TB	Ball Bearing
TCA	Concealed Bearing
RC	Round Corner – 1/4" radius furnished unless specified otherwise
HT	Hospital Tip

Code	Description
BT	Ball Tip
ST	Steeple Tip
SSF	Safety Stud Feature
QC	ElectroLynx® Hinge – 2, 4, 6, 8, 10 or 12 wire available

Code	Description
CC	Concealed Circuit – 2, 4, 6, 8, 10 or 12 wire available
CC-18	Concealed Circuit – 2, 4, 6, 8 or 10 wire available (2-18AWG wires and the remainder 28AWG wires)
MM	Magnetic Monitoring

McKinney Hinge Pin Door Stop

- Recommended for high-use or high impact doors with McKinney T2714 or TA2714 hinges
- Protects against damage to doors and walls
- Runs the full length of the hinge



Part number	Description	Finish
76305	Hinge Pin Stop for MacPro MP79 & MPB79	26D
76306	Hinge Pin Stop for McKinney T2714 & TA2714	26D

ASSA ABLOY

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Check the web site for the up-to-date catalog

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OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-044-TM_T31

Revision 1

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date: **Nov 23, 2022**

Item Name	Door Silencers
Item Type	Door Silencers for Metal Door Frames
Description	High Grade Rubber, Triangular
Manufacturer	Trimco
Model	1229A
Dimensions	1/2" x 1/2"
Color	Grey
CSI #	08 71 00 Door Hardware
Omniclass #	22-087100
Grade	BHMA L03011
Notes	Sold in multiples of 100

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Trimco
Contact Name: Customer Service
Phone: 323.262.4191
Email: csr@TrimcoHardware.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk
Administration
Engineering & Maintenance
Food & Beverage Back-of-House
Back-of-House Laundry
Mechanical, Plumbing & Electrical

T33_Cross Corridor

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-003-YA_T33

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Door Closer
Item Type	Surface Door Closer
Description	Architectural Door Closer with cover; parallel arm configuration
Manufacturer	Yale
Model	2701
Dimensions	13-5/8" L x 3-7/8" H x 7-5/8" Arm Extension
Color	689
Finish	Plated
Material Composition	Aluminum alloy
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 Door Hardware
Grade	ANSI Grade 1
Fire/Smoke Rating	UL and cUL listed for 3 hour assemblies
Operation	Manual, hydraulic
Best Practices	Recycled content
Quality Standards	ANSI/BHMA A156.4, Grade 1 certified; UL / cUL listed for use on fire rated doors; UL10C listed for positive pressure fire test; 8301 and 8501 door closers are designed to comply with requirements for the Americans with Disabilities Act (A.D.A) and ANSI standard A117.1
Accessibility Compliance	ADA and ANSI/BHMA A117.1
Accessories	Drop plate required for glazed doors
Cover Finish	689, Aluminum
Opening Degree	Adjustable, from 85° to 110° in 5° increments
Cover Material	Metal
Mounting Type	Surface
Stop Type	Integral
Warranty	10 years
Notes	https://tinyurl.com/26y8yycx

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Yale Locks & Hardware (Assa Abloy)
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

AREAS

Stairs
Back-of-House Laundry
Storage
Elevator Equipment Room
Public Restrooms

ALTERNATE MANUFACTURER 3	Employee Areas Guest Laundry Fitness Center Engineering & Maintenance Food & Beverage Back-of-House Mechanical, Plumbing & Electrical Corridors
ALTERNATE MANUFACTURER 4	

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-006-TM_T33

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Door Stop
Item Type	Wall Mounted Door Stop
Description	Wrought concave wall bumper
Manufacturer	Trimco
Model	1270WV.626
Finish	US26D, gray rubber
Material Composition	Stainless Steel, Rubber
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	1
Best Practices	Recycled content
Fastener	screws, concealed
Warranty	2 Years

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Trimco
Contact Name: Customer Service
Phone: 323.262.4191
Email: csr@TrimcoHardware.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry
Administration
Public Restrooms
Employee Areas
Guest Laundry
Fitness Center
Indoor Pool
Pool Storage
Welcome Desk
Engineering & Maintenance
Food & Beverage Back-of-House
Corridors

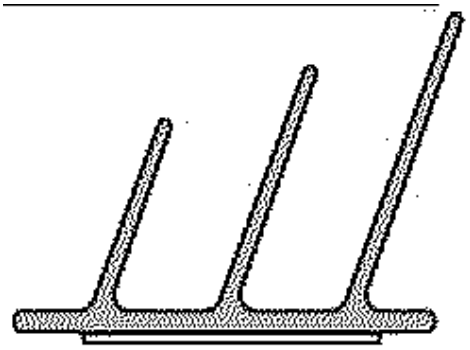
Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-007-PK_T33

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Door seal
Item Type	Fire/smoke gasketing
Description	Fire/smoke gasketing, adhesive-backed
Manufacturer	Assa Abloy/Pemko
Model	S773D
Dimensions	17, 18, 20, 21 and 25 ft. coils
Color	Dark brown (D)
Material Composition	Silicone
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Fire/Smoke Rating	Tested and approved under UL 10C for fire; UL 1784 for smoke
Acoustical Performance	ASTM E90 and BS EN ISO 140-3 for sound control
Best Practices	Low-emitting materials
Quality Standards	BHMA A156.22
Accessibility Compliance	ADA and ANSI A117.1
Lead Time	Standard Lead Time 3-5 Business Days - Verify with Manufacturer.
Warranty	2 Years if installed with 6 months of ship

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Assa Abloy
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Stairs
Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry
Elevator Equipment Room
Administration
Public Restrooms
Employee Areas
Guest Laundry
Fitness Center
Indoor Pool
Pool Equipment
Pool Storage
Corridors

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-045-RX_T33

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Door holder/release
Item Type	Magnetic door holder/release
Description	Wall-mounted door holder
Manufacturer	Rixson
Model	998M
Dimensions	2-3/4" projection
Finish	689
Material Composition	Steel
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Operation	Magnetic
Quality Standards	ANSI/C00011
Accessibility Compliance	ADA and ASNIO A117.1
Warranty	2 years

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Rixson (Assa Abloy)
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Stairs
Corridors

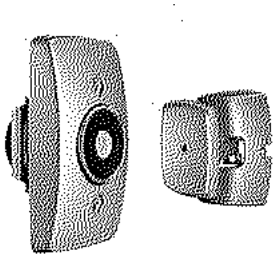
Model 997M

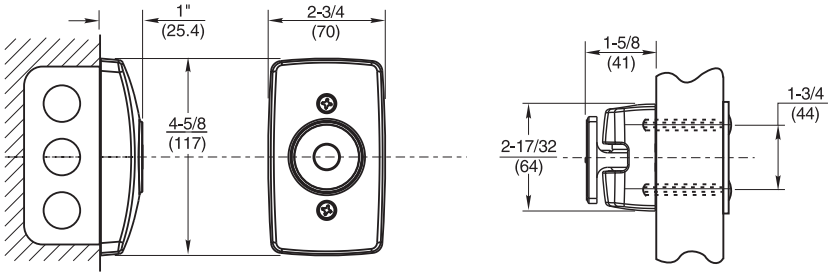
Application
- Wall mount
- Concealed wiring
- Shipping weight: 2 lbs. (0.9 kg)

Features
- Total projection: 2-5/8" (67mm)
- Mounting requirements: 2" x 4" x 1-3/4" (51 x 102 x 45mm) outlet box
- Wall must be properly reinforced and outlet box adequately fastened
- 2 year limited warranty

Compliance
- ANSI/C00011

Electrical Data
- Voltage and current:
  120VAC, 60Hz., .020 amp
  24VAC/DC, 60Hz., .020 amp
  12VDC, .040 amp
- For 50-55 lbs. of holding force, specify voltage
  120VAC, 60Hz .017 amp
  24VAC, 60Hz .080 amp
  24VDC, .068amp
  12VDC, .180amp
  240VAC, 50/60Hz. .009 amp





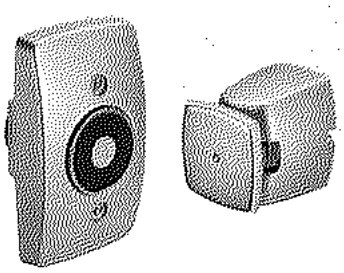
Model 998M

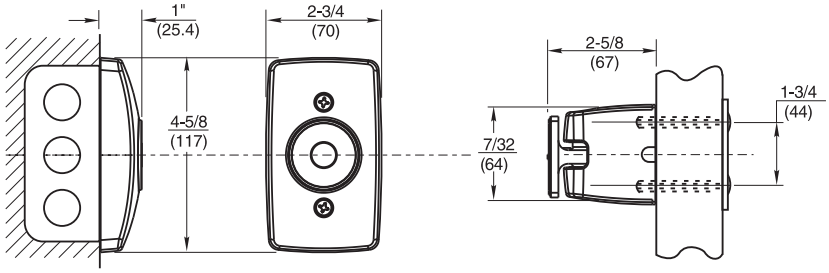
Application
- Wall mount
- Concealed wiring
- Shipping weight: 2-1/2 lbs. (1.1 kg)

Features
- Total projection: 3-5/8" (92mm)
- Mounting requirements: 2" x 4" x 1-3/4" (51 x 102 x 45mm) outlet box
- Wall must be properly reinforced and outlet box adequately fastened
- 2 year limited warranty

Compliance
- ANSI/C00011

Electrical Data
- Voltage and current:
  120VAC, 60Hz., .020 amp
  24VAC/DC, 60Hz., .020 amp
  12VDC, .040 amp
- For 50-55 lbs. of holding force, specify voltage
  120VAC, 60Hz .017 amp
  24VAC, 60Hz .080 amp
  24VDC, .068amp
  12VDC, .180amp
  240VAC, 50/60Hz. .009 amp





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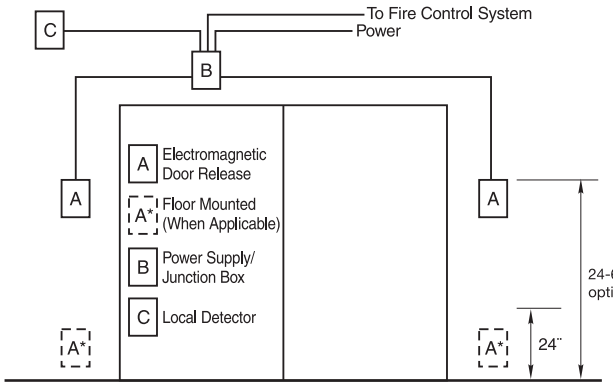
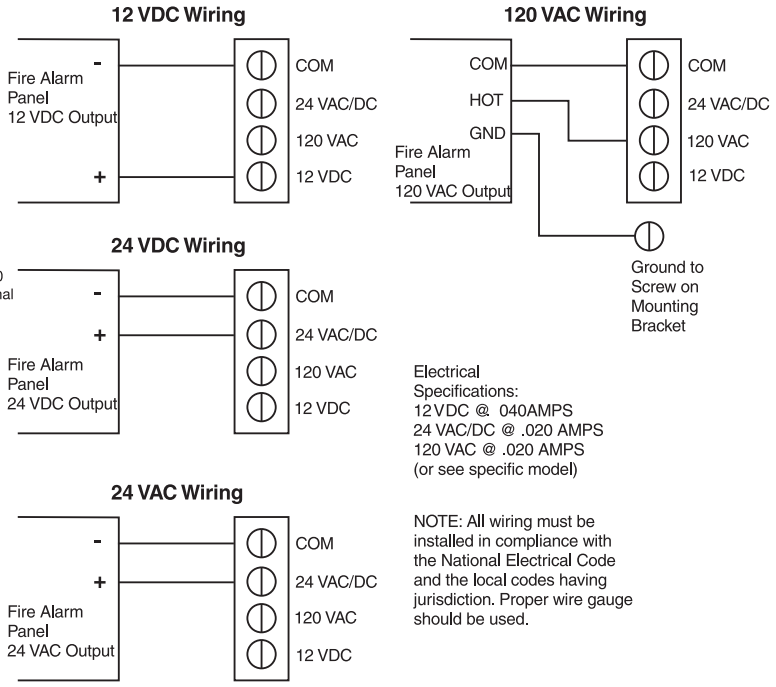
Schematics





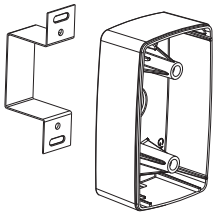
Electrical Specifications:
12 VDC @ 040AMPS
24 VAC/DC @ .020 AMPS
120 VAC @ .020 AMPS
(or see specific model)

NOTE: All wiring must be installed in compliance with the National Electrical Code and the local codes having jurisdiction. Proper wire gauge should be used.

Operation Narrative

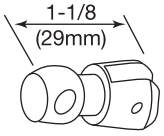
Doors are to be normally held open. The electromagnetic door releases will be energized with the voltage shown (at right) in the hardware set for this opening. Power shall be controlled by the fire control system. It will interrupt the power if alarmed, causing the doors to be released, thus allowing the door closers to close the doors. When power is restored the magnets will re-energize, permitting the doors to be manually returned to their held open position.

Accessories

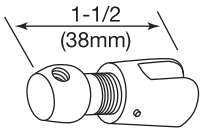


1-1/2" (38mm) Extension (for use only with Models 997M, 998M & 994M) Mounts behind wall cover.

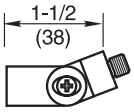
XK996M
Part# 996631M-*



994M Swivel Armature (cannot be used with extension spacers)
Part# 900-3

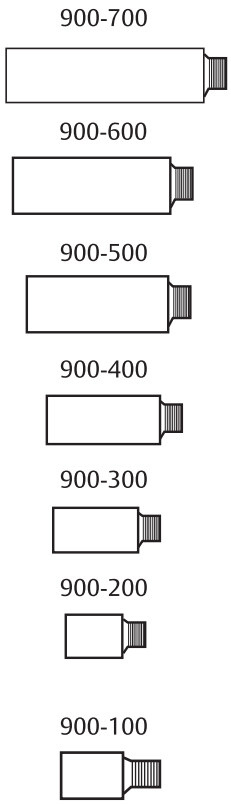


Base Unit Armature Extension Mounts between armature and contact plate.
Part# 900
Cannot be used with model 994M



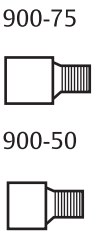
Armature Extension 90° Bend
Part# 900-Z
Must be used with 900 base unit. Those two pieces will extend armature 3" longer than the contact plate.

*specify finish



For dimensions, see chart below

Spacer lengths – must be used with 900 base



Extension pieces must be used in conjunction with 900 Base Unit

Part# 900-700 = 7"
Part #900-600 = 6"
Part# 900-500 = 5"
Part# 900-400 = 4"
Part# 900-300 = 3"
Part# 900-200 = 2"
Part# 900-100 = 1"
Part# 900-75 = 3/4"
Part# 900-50 = 1/2"

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Vaughan, Ontario, L4K 4T9 Canada
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www.assaabloydss.ca

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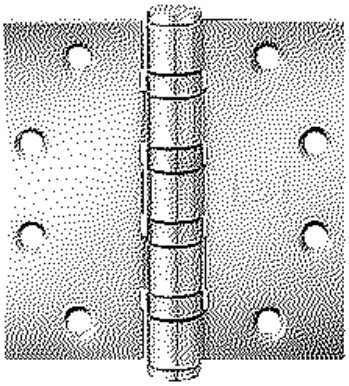
Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-052-MK_T33

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Door hinge
Item Type	Ball-bearing butt hinge, heavy weight (0.180")
Description	Template-produced, standard weight ball-bearing hinge, swing-clear hingem stainless steel
Manufacturer	McKinney Manufacturing (Assa Abloy)
Model	T4A3786 4.5 X 4.5
Dimensions	4.5" x 4.5"
Finish	US15
Material Composition	Type 304 stainless steel
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	BHMA A156.1
Classification	ANSI Grade 1
Operation	Manual
Best Practices	Recycled content
Quality Standards	BHMA A156.1
Accessibility Compliance	ADA and ANSI A117.1
Knuckle	5
Weight	Standard



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Assa Abloy
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Corridors

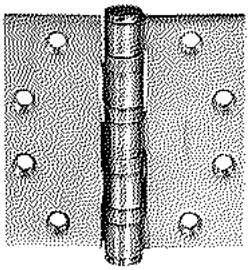
Five Knuckle Heavy Weight Full Mortise Series

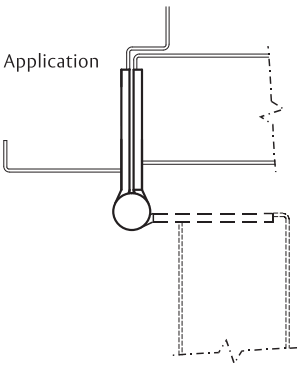
Recommended for use on high frequency and/or heavy wood or metal doors in schools, hospitals or other public buildings where heavy traffic is experienced.

- Heavy weight hinges should be used on all extra heavy doors or those exposed to high frequency use
- T4A3386- Stainless steel base or available in brass base material polished
- T4A3786- Steel base material
- For Beveled Edge, where doors are beveled on hinge side, specify T4A4386 or T4A4786
- For available finishes see page 28

Note: 8" x 6" and 8" x 8" have six bearings. Specify T6B3386 or T6B3786.

T4A3386
T4A3786





No.	ANSI Cross Reference	Base Material	Weight
T4A3386	A5111	Stainless	HVY
T4A3386	A2111	Brass	HVY
T4A3786	A8111	Steel	HVY

Specifications

Inches	mm	Gauge	No. of Holes	Fasteners	
				Machine	Wood
4 1/2" x 4"	114.3 x 101.6	.180	8	1/2 x 12-24	1 1/4 x 12
4 1/2" x 4 1/2"	114.3 x 114.3	.180	8	1/2 x 12-24	1 1/4 x 12
5" x 4 1/2"	127 x 114.3	.190	8	1/2 x 12-24	1 1/4 x 12
5" x 5"*	127 x 127	.190	8	1/2 x 12-24	1 1/4 x 12
6" x 5"*	152.4 x 127	.203	10	1/2 x 1/4-20	1 1/2 x 14
6" x 6"*	152.4 x 152.4	.203	10	1/2 x 1/4-20	1 1/2 x 14
8" x 6"**	203.2 x 125.4	.203	16	1/2 x 1/4-20	1 1/2 x 14
8" x 8"***	203.2 x 203.2	.203	16	1/2 x 1/4-20	1 1/2 x 14

* Not available in brass base material.
** Available in steel only.
***Available in stainless steel only.
****FT tips not offered on 6" and 8" sizes, BT and ST not offered on 8" sizes.

Options:

Code	Description
NRP	Non-Removable Pin
T4B	Ball Bearing
TCA	Concealed Bearing
RC	Round Corner – 1/4" radius furnished unless specified otherwise
HT	Hospital Tip
BT**	Ball Tip
FT **	Flat Tip
ST**	Steeple Tip
SSF	Safety Stud Feature
RB	Raised Barrel*
QC	ElectroLynx® Hinge – 4, 8 or 12 wire available
CC	Concealed Circuit – 4, 8 or 12 wire available
CC-18	Concealed Circuit – 2, 4, 6, 8 or 10 wire available (2-18AWG wires and the remainder 28AWG wires)
MM	Magnetic Monitoring

* Refer to page SP-3 for Raised Barrel.

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Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-053-VD_T33

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Exit Device
Item Type	Panic Exit Device
Description	Rim panic exit device, with surface vertical rods, with outside lever trim
Manufacturer	Von Duprin (Allegion)
Model	99L -BE-F X 17 Lever
Dimensions	8" x 2 3/4" x2 3/8"
Finish	US26D
Material Composition	Steel
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	ANSI/BHMA Grade 1
Classification	Fire exit device
Fire/Smoke Rating	Up to 3 hours
Operation	Manual, no dogging
Best Practices	Recycled content
Quality Standards	ANSI/BHMA
Accessibility Compliance	ADA and ANSI A117.1
Accessories	Provide #299 Top Strike, #304L Bottom Strike, Top and Bottom Latches
Warranty	10 years

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Von Duprin (Allegion)
Contact Name:
Phone: 877-671-7011
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Corridors

DH-053-VD_T33

ALLEGION™

VON DUPRIN®

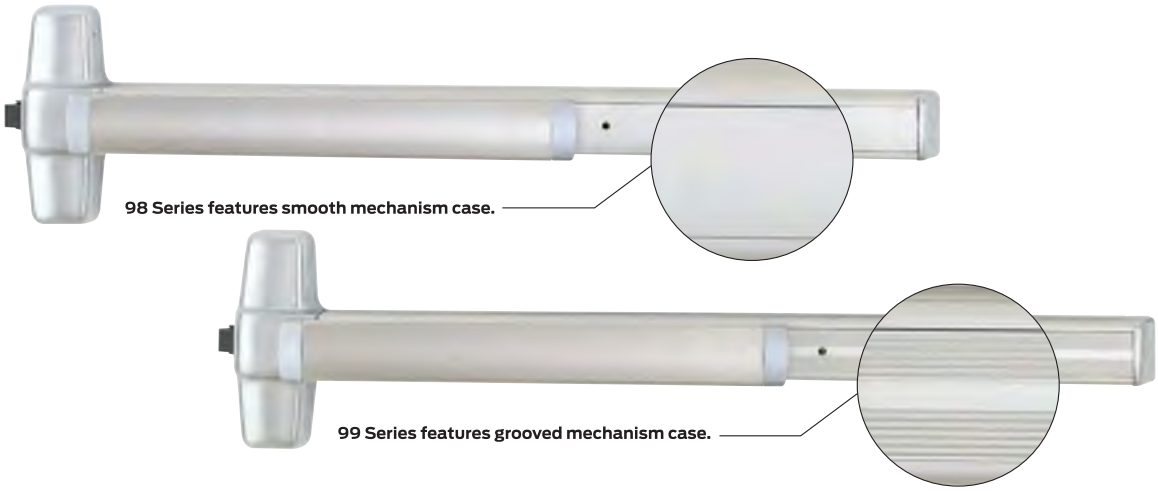
98/99™ Series

Exit devices

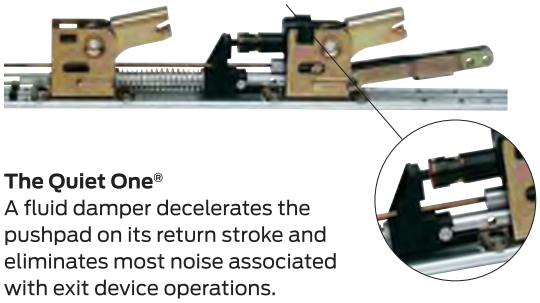
Introduction

Exit devices are a critical part of the fire and life safety egress system and will provide safe and reliable service when properly applied and maintained. Von Duprin designs and manufactures exit devices in accordance to ISO 9001 Quality Management System and meets or exceeds accepted U.S. domestic and International standards. All 98 and 99 Series exit devices are UL listed for panic hardware or fire hardware, and are certified to ANSI A156.3, 2008, Grade 1. Many models are also certified for Hurricane Resistant Applications. Consult your local Security & Safety consultant (SSC) or the Von Duprin factory for current listings.

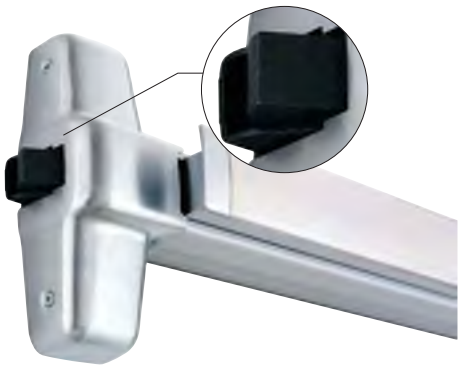
It is intended that the information included in this publication, when properly used, will provide clear and reliable guidelines to the proper general selection and application. However, the scope of the information is necessarily limited.



Von Duprin exit devices are available in two external surface styles, designated 98 and 99 Series.



The Quiet One®
A fluid damper decelerates the pushpad on its return stroke and eliminates most noise associated with exit device operations. Furnished on all 98/99™ Series exit devices.



Latch bolt
Deadlocking latchbolt provides security and improved performance at standard device cost.

VON DUPRIN
Administrative Offices
2720 Tobey Dr.
Indianapolis, IN 46219

Customer Service
877-671-7011
800-999-0328 - Fax

Technical Support
877-671-7011

DH-053-VD_T33

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Rim devices

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XP rim devices

XP98/99	12
Trim	13

Mortise lock devices

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Trim	17

Surface mounted Vertical rod devices

9827/9927	20
Trim	21

Three-point latching devices

9857/9957	24
Trim	25

Concealed vertical rod devices

9847/9947	28
Trim	29
9848/9948	32
Trim	33

Concealed vertical cable devices

9849/9949	36
Trim	37

Wood door concealed vertical rod devices

9847WDC/9947WDC	40
Trim	41

Wood door concealed vertical cable devices

Trim	45

Wood door concealed vertical cable devices

9850WDC/9950WDC	48
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Fire exit hardware

Rim devices

98-F/99-F	10
Trim	11

XP rim devices

XP98/99-F	14
Trim	15

Mortise lock devices

9875/9975	18
Trim	19

Surface mounted Vertical rod devices

9827-F/9927-F	22
Trim	23

Three-point latching devices

9857-F/9957-F	26
Trim	27

Concealed vertical rod devices

9847-F/9947-F	30
Trim	31
9848-F/9948-F	34
Trim	35

Concealed vertical cable devices

9849-F/9949-F	38
Trim	39

Wood door concealed vertical rod devices

9847WDC-F/9947WDC-F	42
Trim	43

Wood door concealed

Trim	47

Wood door concealed vertical cable devices

9850WDC-F/9950WDC-F	50
Trim	51

THIS PRODUCT IS OBSOLETE it is replaced by the 98/9950 WDC.
See pages 48-51 for more information.

Options and accessories

Applications & trim operation	Single & double door applications Door handing Outside trim operation Lever styles

Trim options	Knob Thumbpiece Lever Electrified outside lever trim (E996L) Breakaway lever Thumbturn control Hospital pull Offset pull Vandal resistant pull AD-Series adaptable electronic trim

Strike options	Strike/Stile information Strikes
Dogging options	Cylinder dogging Hex key dogging Less dogging Dogging keys Special center case dogging Double cylinder

Symbols

Indicates fire rated application Indicates ADA products

Electrical options	**RX** Request to exit **LX** Latchbolt monitoring **SS** Signal switch **CX** Chexit® **ALK** Alarm kit **E** Electric mortise lock device **EL** Electric latch retraction **QEL** Quiet electric latch retraction **CON** Allegion Connect
Electrical accessories	Power supplies Electric power transfer

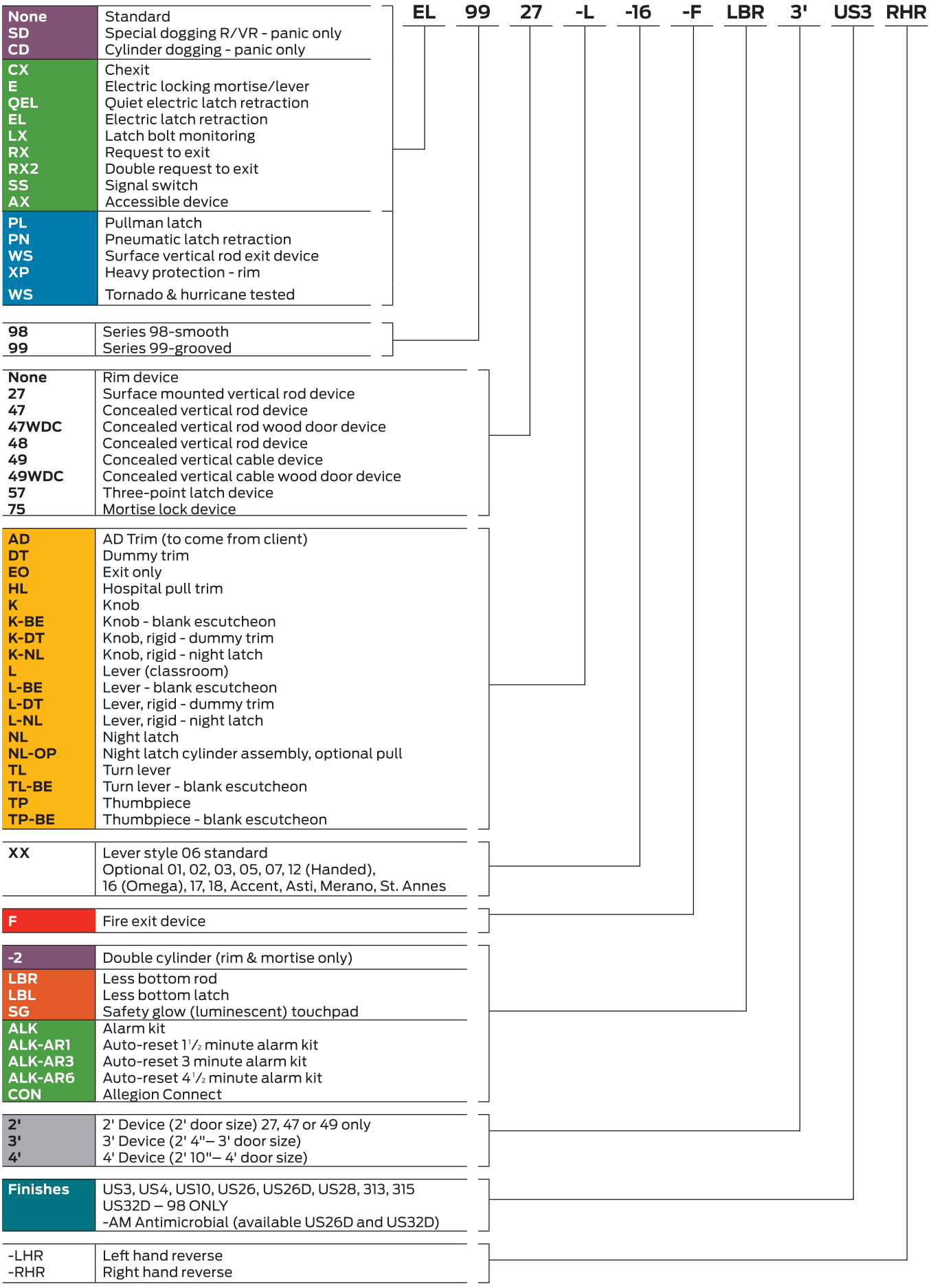
Mechanical options	XP98/99 rim exit device WS Surface vertical rod exit device Less bottom rod AX Accessible device Pullman latch Dummy push pad Braille, embossed, knurled and safety glow (Luminescent) touchpads
Pneumatic options	Pneumatic controlled exit devices Pneumatic power transfer

Device accessories	Glass bead kit Vertical rod and latch guard Cover plate kits Cylinders Mullions Sex bolts

Additional information	ANSI Function, grade & type Ul fire labeling and opening size

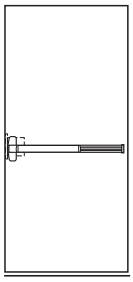
Finishes	Standard & special finishes

Nomenclature – how to order

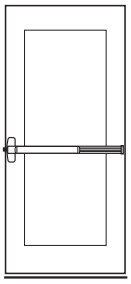


Popular double door applications

Single door applications

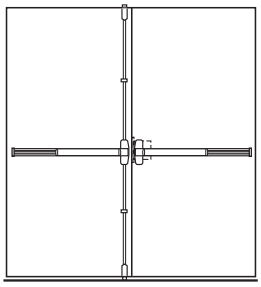


Single mortise lock device

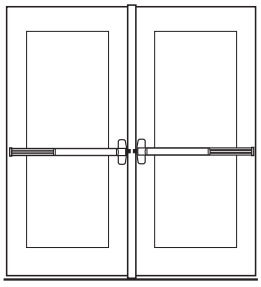


Single rim device

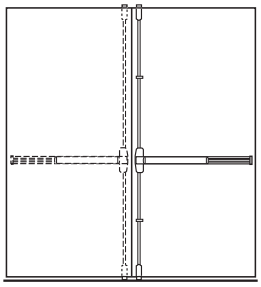
Double door applications



Mortise lock and surface mounted or concealed vertical cable/rod device combination—same direction

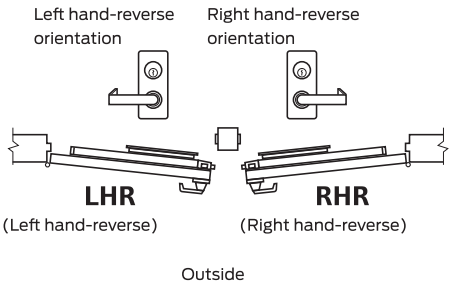


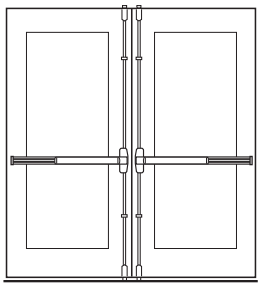
Two rim devices with mullion—same direction



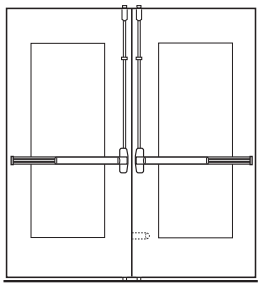
Two vertical rods—double egress

Door handing

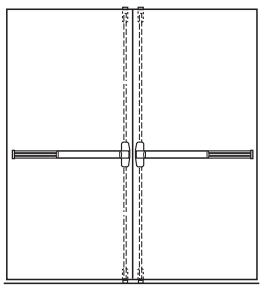




Two surface mounted vertical rod devices—same direction (do not use with overlapping astragal)



Two fire exit hardware vertical cables/rods with auxilary fire latch-LBR option

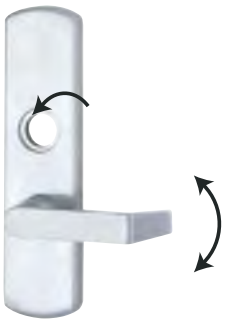


Two concealed vertical cables/rods

Outside trim operation

Trim operation lever or knob

Standard

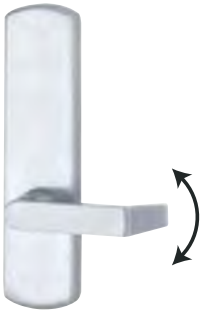


Key locks and unlocks lever or knob. e.g., 996L (Classroom)

Night latch

Key retracts latch bolt. Lever or knob is rigid. Use NL suffix, e.g. 996LNL. (Storeroom)

Blank escutcheon



Lever or knob always active. Use BE suffix, e.g., 996L-BE. (Passage)

Dummy

Lever or knob rigid for pull operation. Use DT suffix, e.g., 996L-DT.

996L Breakaway™ lever

The 996L Breakaway trim has become the standard lever trim offering on the 98L/99L Series devices. The Breakaway design is especially effective in areas where vandalism to door hardware is a problem. The design intent is to discourage costly repairs from becoming necessary. The Breakaway feature is not available on the NL (night-latch) or DT (dummy trim) versions.

374T/376T Series thumbturn control

Standard operation, key locks and unlocks thumbturn. Optional operation, key unlocks thumbturn, re-locks when key is removed. This operation is created by changing the cylinder plate included with control. Use 1 1/4" mortise cylinder with a straight cam. Schlage cam reference L583-475. Use with a pull trim (990DT pictured).

Lever styles

Decorative levers

M51
Knurling available

M52
Knurling available

M53

M54

M55

M56

M57 ••

M61
(Handed)

M62 ••
(Handed)

M63
(Handed)

M81
Knurling available

M82

M83

M84

M85
(Handed)

•• Available in Stainless Steel substrate ONLY.

Standard Levers

01

02
Knurling available

03*
Knurling available

05

06*
Default lever
Knurling available

07

12
(Handed)

16
(Omega)

17*
Knurling available

18

ACC
(Accent)
(Handed)

AST
(Asti)
(Handed)

MER
(Merano)
(Handed)

LAT*
Latitude

LON*
Longitude

*Available in Stainless Steel - specify SS when ordering

98-F/99-F Rim exit device

The 299F Strike ships standard, optional strikes available

499F Strike with 9854/9954 mullion

98-F and 99-F Rim fire exit devices for all types of single doors up to 4' x 10' (1219mm x 3048mm) or 8' x 10' (2438mm x 3048mm) double doors with 9954 or 9854 mullion, UL listed for fire exit hardware. See page 76 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156.3 – 2014 Grade 1. The 98-F device has a smooth mechanism case and the 99-F device has a grooved case. The rim device is non-handed except when the following device options are used: -2 (double cylinder) or SS (signal switch). See opposite page for available outside trim and device functions.

Finishes – US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.

Specifications

Device functions	Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw from device.
Device lengths	3' 2'4" to 3' (711mm to 914 mm) Door size 4' 2'10" to 4' (864 mm to 1219 mm) Door size
Device centerline from finished floor	39 13/16" (1011 mm) 39 11/16" (1008 mm) with mullion
Center case dimensions	8" x 2 3/4" x2 3/8" (203mm x 70mm x 60mm)
Mechanism case dimensions	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar neutral – 3 13/16" (97 mm) Pushbar depressed – 3 1/16" (78 mm)
Latch bolt	Deadlocking, 3/4" (19mm) throw
Fasteners & sex bolts (SNB)	Includes screw pack for 1 3/4" (44mm) and 2 1/4" (57mm) thick metal or wood doors. Optional 425 SNB available for metal doors. 425 & 825 SNB required on wood doors without SLM blocking. See page 11 for quantities.
Electric options	**LX** Latchbolt monitor switch **RX** Pushpad monitor switch **RX2** Double pushpad monitor switch **E** Electric locking & unlocking trim **EL** Electric latch retraction **QEL** Quiet electric latch retraction **SS** Signal switch **CX** Chexit delayed exit **ALK** Alarm exit kit **WP-RX** Waterproof request to exit **CON** Allegion Connect
Mechanical options	**-2** Double cylinder **AX** Accessible device **GBK** Glass bead kit **PN** Pneumatic latch retraction **XP** Extra protection **SNB** Sex bolts **SEC** Security screws **SLM** Special Laminate Material Blocking
Dogging option	No mechanical dogging. EL and QEL option available
Strikes	**299F** – Dull black, 499F with mullions

XP
Extra protection
- 90° latch-to-strike contact
- Force resistance of 2,000+ lbs.

RX
Pushpad monitor switch
- Signals use of an opening
- SPDT switch to monitor pushpad

EL
Electric latch retraction
- Enables remote unlatching
- Alternative to manual dogging

ALK
Alarm exit kit
- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

QEL
Quiet electric latch retraction
- Bolt retraction via switch
- Converts exit door to push-pull operation

CX
Chexit delayed exit
- Meets NFPA 101 requirements
- Self-contained controls, locking, alarm

AX
Accessible device
- UL certified to meet new 5 lb. maximum operating force requirement
- Exceeds ANSI/BHMA requirements

SG
Safety glow
- Shows exit door location in darkness or smoke
- Developed to meet MEA standards

PN
Pneumatic latch retraction
- For areas where electrical devices banned
- Special linkage for mechanical or pneumatic dogging

CON
Allegion Connectors
- Common connectors to connect various door hardware all the way to the power supply

Standard trim

	EO	DT	NL	NL-OP
	No outside trim Exit only	 **Dummy trim** Pull when dogged (not recommended for fire device)	 **Night latch** Key retracts latchbolt	 **Night latch** Key retracts latchbolt optional pull required
Product description	98EO-F 99EO-F	98DT-F 99DT-F	98NL-F 99NL-F	98NL-OP-F 99NL-OP-F
Trim description	—	990DT	990NL-R/V	110NL-MD 110NL-WD
Escutcheon plate size	—	3" x 14 13/16" x 3/32" (76x360x2mm)	3" x 14 13/16" x 3/32" (76x360x2mm)	—
Pull center to center	—	5 1/2" (140mm)	5 1/2" (140mm)	—
Projection	—	2" (51mm)	2" (51mm)	—
ANSI function	01	02	03	03
Cylinder type	—	—	Rim	Rim
Handing	—	—	—	—
Optional trim	x990EO x996EO	x996K-DT x996L-DT x696DT x697DT	x996K-NL x996L-NL x696NL x697NL	
#425 SNB optional - HMD req. WD w/o SLM pkg.	6	2	2	2
#825 SNB req. WD w/o SLM pkg.	2 (if using trim)	2	2	2
#425 SNB req. w/ 499F	2	2	2	2

	L	L-NL	L-BE	L-DT
	 Lever Key locks & unlocks	 **Lever – night latch** Key retracts latchbolt	 **Lever – blank escutcheon** Always operable (no cylinder)	 **Lever dummy trim** pull when dogged (not recommended for fire device)
Product description	98L-F 99L-F	98L-NL-F 99L-NL-F	98L-BE-F 99L-BE-F	98L-DT-F 99L-DT-F
Trim description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT
Escutcheon plate size	2 3/4" x 10 3/4" x 27/32" (70x273x21mm)	2 3/4" x 10 3/4" x 27/32" (70x273x21mm)	2 3/4" x 10 3/4" x 27/32" (70x273x21mm)	2 3/4" x 10 3/4" x 27/32" (70x273x21mm)
Pull center to center	—	—	—	—
Projection	2 7/8" (73mm)	2 7/8" (73mm)	2 7/8" (73mm)	2 7/8" (73mm)
ANSI function	08	03	14	02
Cylinder type	Rim	Rim	—	—
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
#425 SNB optional - HMD req. WD w/o SLM pkg.	2	2	2	2
#825 SNB req. WD w/o SLM pkg.	2 (if using trim)	2	2	2
#425 SNB req. w/ 499F	2	2	2	2

* Electrified lever operation available

98/99 Finishes

Finishes*

Color	US number	BHMA number
Chromium, polished	US26	625
Anodized, aluminum	US28	628
Chromium, dull	US26D	626
Brass, polished	US3	605
Brass, dull	US4	606

Color	US number	BHMA number
Bronze, dull	US10	612
Satin nickel Available for 98 ONLY	US15	619
Satin stainless steel	US32D	630
Duranodic dark bronze	313	710
Black, painted (not flat powder)	SPBLK	693
Flat Black	US19/ 315	622/711
Aged bronze	–	643e

Special finishes

Color	US number	BHMA number
Satin chrome, Antimicrobial	US26D-AM	626-AM
Satin stainless steel, antimicrobial	US32D-AM	630-AM

Pushpad options — Knurled
Embossed "Push"
Braille (Caution-Stairwell), satin stainless steel only
RSS – (Emergency Exit – Push to open and sound alarm) – Red Silkscreen lettering on US32D

* **Note:** Durable powder coated finishes available at specific special request. PLEASE CONTACT FACTORY.

T33A_Cross Corridor Pocket Doors

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-054-MR_T33A

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Door hinge
Item Type	Continuous barrel-type hinge
Description	Continuous swing-clear hinge
Manufacturer	Markar / ASSA ABLOY
Model	HG311
Dimensions	Standard door heights
Finish	630
Material Composition	Type 304 stainless steel
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	BHMA A156.26 Grade 1
Operation	Manual
Best Practices	Recycled content
Quality Standards	BHMA A156.26
Accessibility Compliance	ADA and ANSI A117.1
Knuckle	NA
Weight	Standard
Notes	https://tinyurl.com/49vk672n

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Markar
Contact Name: Customer Service
Phone: 800.283.9988
Email: orders.markar@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Corridors

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-055-AR_T33A

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Exit Device, recessed for cross-corridor applications
Item Type	Panic Exit Device, recessed, concealed vertical rod.
Description	Inset (recessed) rim panic exit device, with concealed vertical top rod, with outside trim, fire-rated.
Manufacturer	Adams Rite (Assa Abloy)
Model	Adams Rite D3676
Finish	US32D Stainless Steel
Material Composition	Extruded aluminum
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	ANSI/BHMA Grade 1
Classification	Fire exit device
Fire/Smoke Rating	Up to 3 hours
Operation	Manual, no dogging
Best Practices	Recycled content
Quality Standards	ANSI/BHMA
Accessibility Compliance	ADA and ANSI A117.1
Accessories	Top strike.
Warranty	10 years

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Adams Rite (Assa Abloy)
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

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AREAS

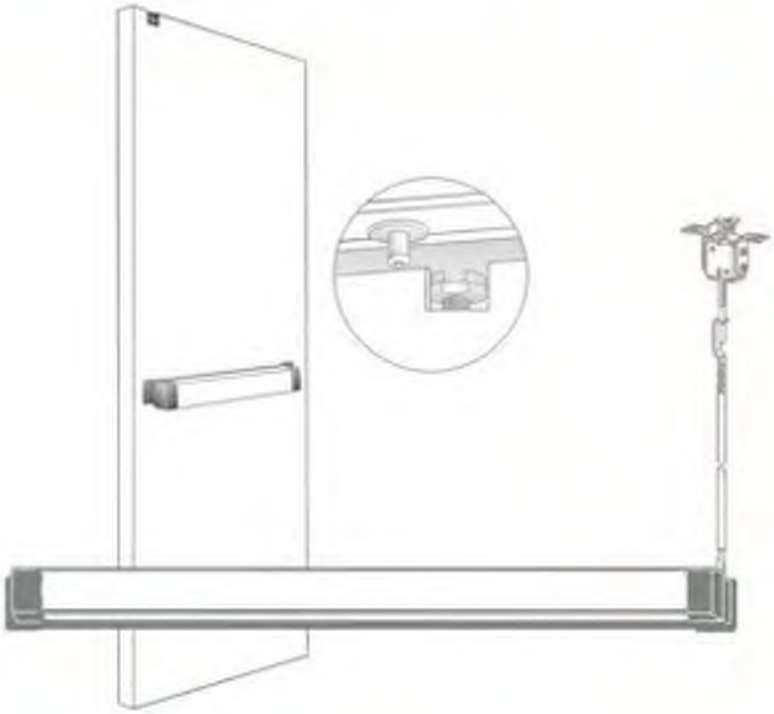
Corridors

METAL DOOR OPERATIONAL HARDWARE

THE RITE DOOR

D3676 SERIES

INSET EXIT DEVICE HARDWARE



FEATURES

- Patented top latching mechanism interlocks door to frame
- Strong, durable construction for a high level of security
- Adjustable steel rods protected in contoured covers
- Easy to install
- Clean, unobtrusive design
- Pushbar clad or anodized, not plated, in a variety of finishes

SPECIFICATIONS

D3676 Series Certifications:

- UL Panic-Fire Exit Hardware, 3-Hour Fire Label
- California State Fire Marshall
- New York City MEA*
- Warnock/Hersey Listing

D8576 Series Certifications:

- UL 305 Panic Hardware
- ANSI/BHMA A156.3 Grade 1
- California State Fire Marshall
- New York City MEA*

**Consult Factory for specific number*

Materials

- Pushbar made of extruded aluminum, clad or anodized in a variety of finishes.

Handing

- Specify Handing.

Pushbar Length

- Standard sizes: dimensioned for 24", 30", 36", and 48" openings.

Door Height

- Standard unit adjustable for doors up to 8' 0". For doors over 8' 0" above bar height, up to 10 ft use D3655-02 Tall Door Kit.

Door Thickness

- 1-3/4" only.

Projection

- 5/8" from door face when fully projected.

Dogging

- Standard dogging with hex key or optional cylinder dogging for D8576 Series only.
- Electric dogging also available for D3676 and D8576 Series.

D3080 Entry Trim

- See Trim Section.

Adams Rite

ASSA ABLOY

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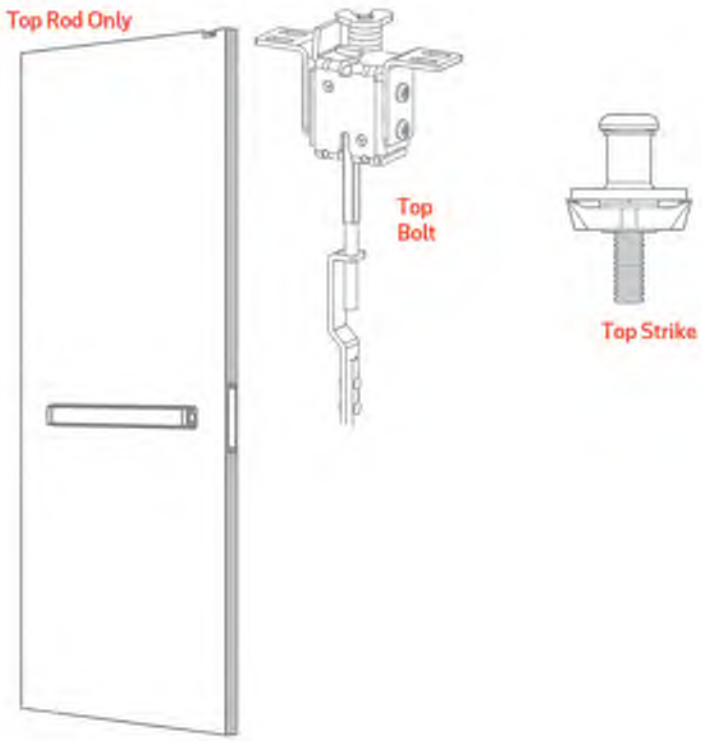
THE RITE DOOR

D3676 SERIES

INSET EXIT DEVICE HARDWARE

D3676 SERIES					
MODEL	TYPE	FIRE RATING	DOOR CONSTRUCTION	MAX SIZE SINGLE DOORS	MAX SIZE PAIRS & DOUBLE EGRESS
D3676	CVR-TRO	1-1/2 Hr	Hollow Metal	N/A	8'6" x 10'0"
D8576	CVR-TRO	NR	Hollow Metal	4'3" x 10'0"	8'6" x 10'0"



BOLTS AND STRIKES

The patented top latching mechanism utilizes a rotating top bolt which deadlatches around the header strike, interlocking the door to the frame. Supplied with standard header strike. The hexagonal, hardened steel bottom bolt is shielded in a cast housing for strength and stability.

Adams Rite

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D3676 SERIES

INSET EXIT DEVICE HARDWARE

OPTIONS AND ACCESSORIES

Silent Electrification Motorized Latch Retraction – SE

- The SE Motorized Latch Retraction option provides near-silent operation for quiet environments such as hospitals, offices, hotels, and libraries where solenoid-driven devices would be disruptive.

Electric Latch Retraction – LR

- The LR option uses a solenoid mounted in the pushbar for instantaneous unlocking and locking of the exit device from a remote location or access control device. LR option is not available on rim type exit devices (see EL option).

Request to Exit (REX) – Monitor / Signal Switch – M1 M2

- Mounted in the exit device pushbar on the hinge end, the switch can be used to activate signal light, horn, monitor, or other devices.

Cylinder Dogging

- For management control of dogging exit devices for life-safety exit devices only. Nonrated doors, standard.

Electric Dogging – ED

- A holding magnet keeps the pushbar depressed (set manually) and the latch retracted for lower profile exit devices, resulting in less damage and quieter operation.

Matching End Caps – MEC

- Matching end caps are available for applications where it is preferable that the end caps match the finish of the exit device. Available for US finishes only.

Available Finishes

- 13E Dark Oxidized Satin Bronze – Powdercoat
- 313 Dark Bronze Anodized
- 335 Black Anodized
- 605 Bright Brass
- 606 Satin Brass
- 611 Bright Bronze
- 612 Satin Bronze
- 628 Clear Anodized
- 629 Bright Stainless
- 630 Satin Stainless
- 13E Dark Oxidized Satin Bronze (Equivalent to 613E)

Adams Rite

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THE RITE DOOR

HOW TO ORDER

HARDWARE MODEL	DESCRIPTION	AVAILABILITY (DOOR TYPE)
D3676	• Inset Exit Device - Concealed Top Latch Only	• Metal Door - Rated
D3677	• Inset Exit Device - Concealed Top Latch Only	• Metal Door - Rated
D8576	• Inset Exit Device - Concealed Top Latch Only	• Metal Door - Non Rated

ELECTRICAL OPTIONS	DESCRIPTION	AVAILABILITY (LENGTHS)
-	• Non Electrical - Mechanical Function Only	• 24", 30", 36" & 48"
XM	• Single Monitor Switch with Electrolynx Cable	• 30", 36" & 48"
XM2	• Dual Monitor Switch with Electrolynx Cable	• 30", 36" & 48"
XED	• Electric Dogging with Electrolynx Cable	• 30", 36" & 48"
XEDM	• Electric Dogging with Single Monitor Switch with Electrolynx Cable	• 36" & 48"
XEDM2	• Electric Dogging with Dual Monitor Switch with Electrolynx Cable	• 36" & 48"
XSE	• Silent Electrification with Electrolynx Cable	• 36" & 48"
XSEM	• Silent Electrification with Single Monitor Switch and Electrolynx Cable	• 36" & 48"
XSEM2	• Silent Electrification with Dual Monitor Switch and Electrolynx Cable	• 36" & 48"
XLR	• Electric Latch Retraction with Electrolynx Cable	• 36" & 48"
XLRM	• Electric Latch Retraction with Single Monitor Switch and Electrolynx Cable	• 36" & 48"
XLRM2	• Electric Latch Retraction with Dual Monitor Switch and Electrolynx Cable	• 36" & 48"

BAR LENGTHS	DESCRIPTION	AVAILABILITY (DOOR WIDTH)
24"	• Exit Device Bar Length of 18.5" from end cap to end cap	• 24" to 29" Door Width
30"	• Exit Device Bar Length of 21.5" from end cap to end cap	• 29-1/16" to 35" Door Width
36"	• Exit Device Bar Length of 24.5" from end cap to end cap	• 35-1/16" to 41" Door Width
48"	• Exit Device Bar Length of 30.5" from end cap to end cap	• 41-1/16" to 48" Door Width

HANDING	DESCRIPTION	AVAILABILITY
07	• RHR - Right Hand Reverse Swing	• All Exit Device Models
08	• LHR - Left Hand Reverse Swing	

Adams Rite

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A8ET_RA-220-HD

THE RITE DOOR

HOW TO ORDER

FINISH	DESCRIPTION
313	• Dark Bronze Anodized
335	• Black Anodized
605	• US3 - Bright Brass, Clear Coated
606	• US4 - Satin Brass, Clear Coated
611	• US9 - Bright Bronze, Clear Coated
612	• US10 - Satin Bronze, Clear Coated
628	• Satin Aluminum, Clear Anodized
629	• US32 - Bright Stainless Steel
630	• US32D - Satin Stainless Steel
13E	• 10BE Dark Oxidized Satin Bronze (Equivalent to 613E)

ACCESSORIES	DESCRIPTION	AVAILABLITY (FINISH)
	• Standard Black Plastic End Cap	• 313, 335, 628
MEC	• Matching End Caps	• 605, 606, 611, 612, 629, 630, 13E

MISC OPTIONS		
29-0206	• Thermal Pin (Fire Pin) - Supplied Standard with D3677	
D3655-02	• Tall Door Kit - for Doors over 8'0" - Supplied Standard	

LINE ITEM	MODEL	ELECTRIC OPTION	BAR LENGTH	HANDING	FINISH	ACCESSORIES	MISC OPTIONS
	D3676	-	36	07	630	MEC	

* *Door is to be prepped for the device*
** *Door is to have the device installed*
*** *Device is to shipped as a loose item*

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Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-056-AR_T33A

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Entry Trim
Item Type	Panic Exit Device
Description	Exit device lever trim
Manufacturer	Adams Rite / ASSA ABLOY
Model	D3081
Dimensions	2-3/4" x 11-1/2"
Color	Satin Stainless Steel
Finish	630
Material Composition	Extruded aluminum
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	ANSI/BHMA Grade 1
Classification	Fire exit device
Fire/Smoke Rating	Up to 3 hours
Operation	Manual outside activation of doors that have any type of Adams Rite exit device or deadlatch
Best Practices	Recycled content
Quality Standards	ANSI/BHMA
Accessibility Compliance	ADA and ANSI A117.1
Accessories	Top strike
Warranty	10 years

SPECIAL INSTRUCTIONS
See MI Spec dh-327 for exit device

MANUFACTURER

Vendor Name: Adams Rite (Assa Abloy)
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Corridors

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-057-AR_T33A

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Door closer, surface mounted, heavy-duty, parallel arm
Item Type	Door closer
Description	Door closer, surface mounted, heavy-duty, parallel arm
Manufacturer	Adams Rite
Model	D-DC-689
Dimensions	12-45/64" x 1-15/32"
Color	Aluminum
Finish	689
Material Composition	Cast aluminum
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	1
Classification	Door closer
Fire/Smoke Rating	UL 10B and UL 10C compliance
Thermal Performance	Extreme temperature fluid (temperature range from -30 degrees F to 120 degrees F.)
Operation	Parallel arm, non-hold-open
Best Practices	Recycled content
Quality Standards	ANSI A156.4 Door Controls - Closers
Accessibility Compliance	ADA and ANSI A117.1
Accessories	Door mounting kit
Cover Finish	Paint
Opening Degree	180
Cover Material	Plastic
Mounting Type	Surface
Stop Type	Integral spring
Warranty	2 years

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Adams Rite (Assa Abloy)
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

AREAS

Corridors

ALTERNATE MANUFACTURER 4	

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-058-SG_T33A

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Door holder/release
Item Type	Magnetic door holder/release
Description	Wall-mounted door holder
Manufacturer	Rixson/Assa Abloy
Model	998 x 120 vac
Dimensions	2-3/4" projection
Finish	689
Material Composition	Steel
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Operation	Magnetic
Quality Standards	ANSI/C00011
Accessibility Compliance	ADA and ASNIO A117.1
Warranty	2 years

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Sargent Manufacturing
Contact Name:
Phone: 800-727-5477
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Corridors

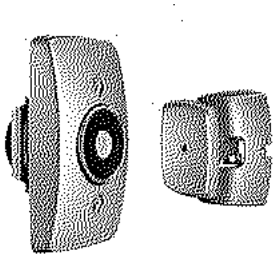
Model 997M

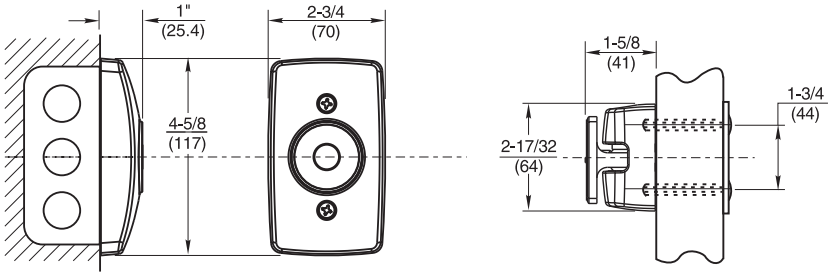
Application
- Wall mount
- Concealed wiring
- Shipping weight: 2 lbs. (0.9 kg)

Features
- Total projection: 2-5/8" (67mm)
- Mounting requirements: 2" x 4" x 1-3/4" (51 x 102 x 45mm) outlet box
- Wall must be properly reinforced and outlet box adequately fastened
- 2 year limited warranty

Compliance
- ANSI/C00011

Electrical Data
- Voltage and current:
  120VAC, 60Hz., .020 amp
  24VAC/DC, 60Hz., .020 amp
  12VDC, .040 amp
- For 50-55 lbs. of holding force, specify voltage
  120VAC, 60Hz .017 amp
  24VAC, 60Hz .080 amp
  24VDC, .068amp
  12VDC, .180amp
  240VAC, 50/60Hz. .009 amp





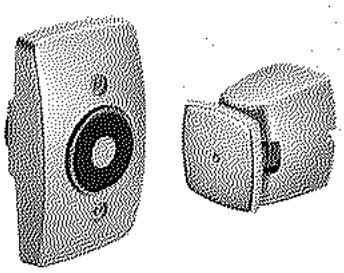
Model 998M

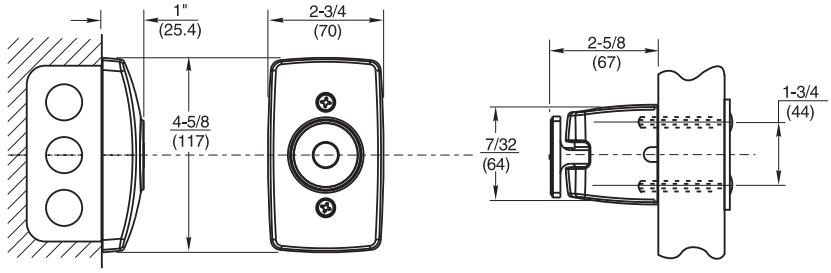
Application
- Wall mount
- Concealed wiring
- Shipping weight: 2-1/2 lbs. (1.1 kg)

Features
- Total projection: 3-5/8" (92mm)
- Mounting requirements: 2" x 4" x 1-3/4" (51 x 102 x 45mm) outlet box
- Wall must be properly reinforced and outlet box adequately fastened
- 2 year limited warranty

Compliance
- ANSI/C00011

Electrical Data
- Voltage and current:
  120VAC, 60Hz., .020 amp
  24VAC/DC, 60Hz., .020 amp
  12VDC, .040 amp
- For 50-55 lbs. of holding force, specify voltage
  120VAC, 60Hz .017 amp
  24VAC, 60Hz .080 amp
  24VDC, .068amp
  12VDC, .180amp
  240VAC, 50/60Hz. .009 amp





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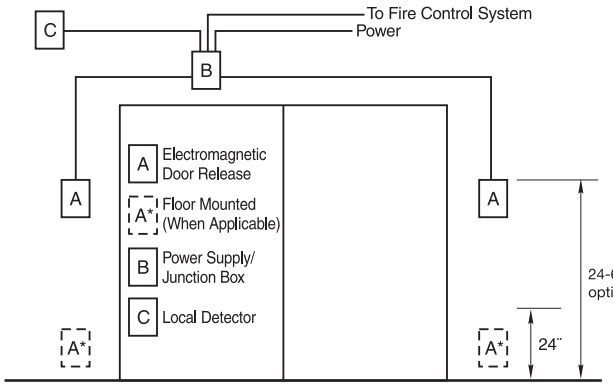
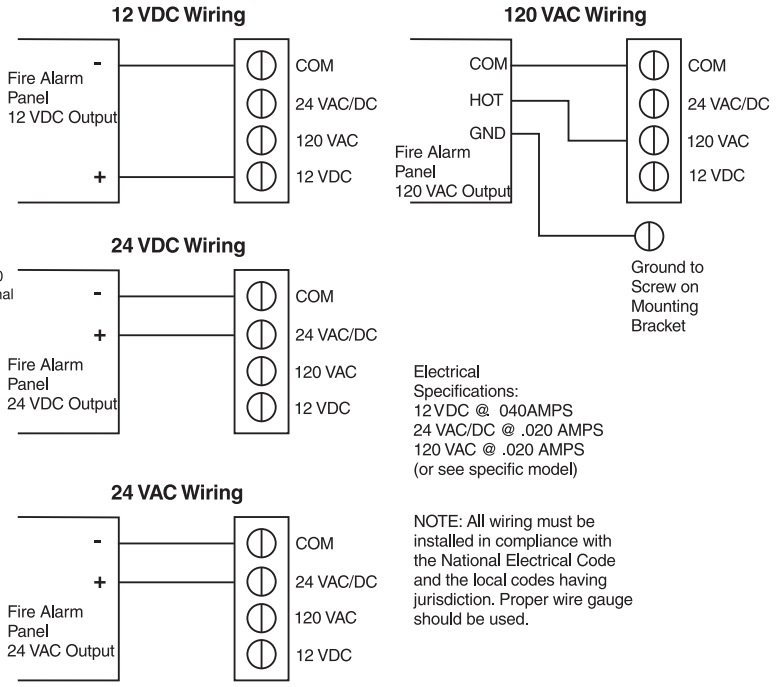
Schematics





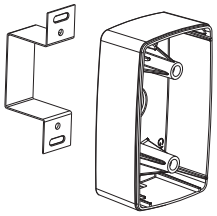
Electrical Specifications:
12 VDC @ 040AMPS
24 VAC/DC @ .020 AMPS
120 VAC @ .020 AMPS
(or see specific model)

NOTE: All wiring must be installed in compliance with the National Electrical Code and the local codes having jurisdiction. Proper wire gauge should be used.

Operation Narrative

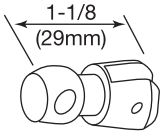
Doors are to be normally held open. The electromagnetic door releases will be energized with the voltage shown (at right) in the hardware set for this opening. Power shall be controlled by the fire control system. It will interrupt the power if alarmed, causing the doors to be released, thus allowing the door closers to close the doors. When power is restored the magnets will re-energize, permitting the doors to be manually returned to their held open position.

Accessories

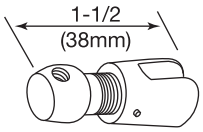


1-1/2" (38mm) Extension (for use only with Models 997M, 998M & 994M) Mounts behind wall cover.

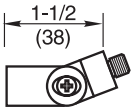
XK996M
Part# 996631M-*



994M Swivel Armature (cannot be used with extension spacers)
Part# 900-3

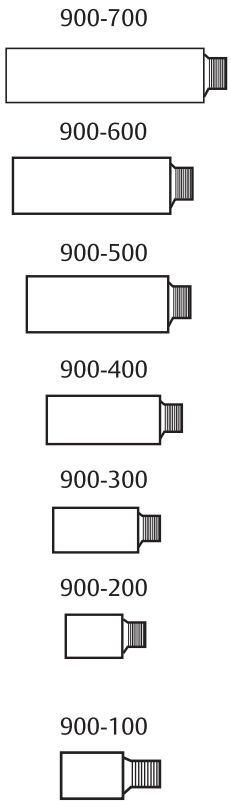


Base Unit Armature Extension Mounts between armature and contact plate.
Part# 900
Cannot be used with model 994M



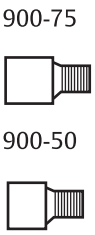
Armature Extension 90° Bend
Part# 900-Z
Must be used with 900 base unit. Those two pieces will extend armature 3" longer than the contact plate.

*specify finish



For dimensions, see chart below

Spacer lengths – must be used with 900 base



Extension pieces must be used in conjunction with 900 Base Unit

Part# 900-700 = 7"
Part #900-600 = 6"
Part# 900-500 = 5"
Part# 900-400 = 4"
Part# 900-300 = 3"
Part# 900-200 = 2"
Part# 900-100 = 1"
Part# 900-75 = 3/4"
Part# 900-50 = 1/2"

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

RIXSON®
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CONTACT US AT:

Rixson®
3000 Highway 74 East
Monroe, NC 28112
Tel: 800-457-5670
Fax: 800-221-0489

ASSA ABLOY Door Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario, L4K 4T9 Canada
Tel: 800-461-3007
Fax: 800-461-8989

For a complete listing of products and applications please visit our web site.
www.rixson.com
www.assaabloydss.ca

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Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

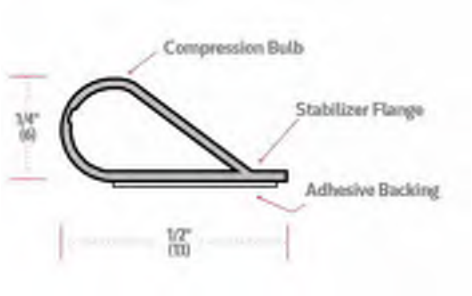
DH-059-AR_T33A

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Door seal
Item Type	Fire/smoke gasketing
Description	Fire/smoke gasketing, adhesive-backed
Manufacturer	Adams Rite / ASSA ABLOY
Model	DS88D30 x DS77D10
Dimensions	17, 18, 20, 21 and 25 ft. coils
Color	Black
Material Composition	Silicone
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	NA
Fire/Smoke Rating	Tested and approved under UL 10C for fire; UL 1784 for smoke
Acoustical Performance	ASTM E90 and BS EN ISO 140-3 for sound control
Compressive Strength	NA
Structural Performance	NA
Thermal Performance	NA
Operation	NA
Best Practices	Low-emitting materials
Quality Standards	BHMA A156.22
Accessibility Compliance	ADA and ANSI A117.1
Water Sense	NA
Accessories	NA
Warranty	NA



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Adams Rite (Assa Abloy)
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

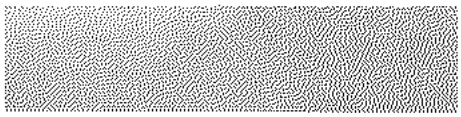
Corridors

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-060-RW_T33A

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Door protection plate
Item Type	Kickplate - 10" high
Description	Stainless steel kickplate
Manufacturer	Rockwood
Model	K1050/10"
Dimensions	0.050" x 10 " x 2" less than door width
Finish	630
Material Composition	Type 304 Stainless Steel
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	1
Best Practices	Recycled content
Quality Standards	ANSI/BHMA A 156.6 "Architectural Door Trim"
Accessibility Compliance	ADA and ANSI A117.1
Warranty	Lifetime

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Rockwood (Assa Abloy)
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

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AREAS

Corridors

T34_Flex - Refer to Door DR-008

T34B_Buffet

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-063-RU_T32B

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Pocket door hardware for Buffet door
Item Type	Pocket door hardware kit
Description	Anodized aluminum track, ceiling-mounted with ball bearing upper roller
Manufacturer	Richelieu
Model	Onward 1488250BC
Dimensions	1-3/4" x dimensions scheduled on the Drawings.
Finish	Anodized aluminum (track); all other hardware mill finish aluminum
Material Composition	Aluminum
CSI #	087100 - Door Hardware
Omniclass #	22-087100 - Door Hardware
Grade	ANSI Grade 1
Operation	Manual
Best Practices	Recycled content of aluminum
Accessibility Compliance	ADA and ANSI A117.1
Accessories	Soft-close system specified in separate sheet.

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS

MANUFACTURER	AREAS
Vendor Name: Richelieu Contact Name: Todd Mason Phone: (336) 880-9283 Email: tmason@richelieu.com	Buffet
ALTERNATE MANUFACTURER 2	
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-064-RU_T34B

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Soft-close system for Buffet pocket door
Item Type	Manual
Description	Manual spring-loaded soft close system for sliding pocket doors.
Manufacturer	Richelieu
Model	892022149 (176-lb capacity)
Dimensions	14 5/8" L x 1/2" W x 1-1/16" H
Color	Gray
Finish	Factory-finish
Material Composition	Plastic
CSI #	087100 - Door Hardware
Omniclass #	22-087100 - Door Hardware
Accessibility Compliance	ADA and ANSI A117.1

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Richelieu
Contact Name: Todd Mason
Phone: (336) 880-9283
Email: tmason@richelieu.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Buffet

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-065-RW_T34B

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Pull
Item Type	Offset door pull
Description	Offset door pull fabricated with 3/4" x 3/4" square tubing
Manufacturer	Rockwood
Model	RM7920 x 12"
Dimensions	12" L x 3/4" x 3/4", 2-1/4" projection
Finish	626
Material Composition	Stainless steel
CSI #	087100 - Door Hardware
Omniclass #	22-087100 - Door Hardware
Grade	1

SPECIAL INSTRUCTIONS

MANUFACTURER	AREAS
ALTERNATE MANUFACTURER 2	Buffet
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Architectural Door Accessories

ASSA ABLOY
Opening Solutions

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Rockwood RM7920 - GeoMetek Offset Pull

Available Finishes:

- US10BE/613E
- US32/629
- US32D/630
- BSP (Black Suede Powder Coat)
- WSP (White Suede Powder Coat)

SIZE:
Material: 3/4" x 3/4"
Projection: 2 1/4"
CTC: Specify

Specifications:

MATERIAL:
Stainless Steel

OPTIONS:
- For optional mid-post, suffix the product number with "MP" (example: RM7920MP)
- Over 96" available on select finishes

ASSA ABLOY Opening Solutions
Architectural Accessories Group
Rockwood, PA
Phone: (800) 458-2424 • Fax: (800) 922-9212
www.assaabloydooraccessories.us

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T35_Dryers_Laundry Storage

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-003-YA_T35

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Door Closer
Item Type	Surface Door Closer
Description	Architectural Door Closer with cover; parallel arm configuration
Manufacturer	Yale
Model	2701
Dimensions	13-5/8" L x 3-7/8" H x 7-5/8" Arm Extension
Color	689
Finish	Plated
Material Composition	Aluminum alloy
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 Door Hardware
Grade	ANSI Grade 1
Fire/Smoke Rating	UL and cUL listed for 3 hour assemblies
Operation	Manual, hydraulic
Best Practices	Recycled content
Quality Standards	ANSI/BHMA A156.4, Grade 1 certified; UL / cUL listed for use on fire rated doors; UL10C listed for positive pressure fire test; 8301 and 8501 door closers are designed to comply with requirements for the Americans with Disabilities Act (A.D.A) and ANSI standard A117.1
Accessibility Compliance	ADA and ANSI/BHMA A117.1
Accessories	Drop plate required for glazed doors
Cover Finish	689, Aluminum
Opening Degree	Adjustable, from 85° to 110° in 5° increments
Cover Material	Metal
Mounting Type	Surface
Stop Type	Integral
Warranty	10 years
Notes	https://tinyurl.com/26y8yycx

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Yale Locks & Hardware (Assa Abloy)
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

AREAS

Stairs
Back-of-House Laundry
Storage
Elevator Equipment Room
Public Restrooms

ALTERNATE MANUFACTURER 3	Employee Areas Guest Laundry Fitness Center Engineering & Maintenance Food & Beverage Back-of-House Mechanical, Plumbing & Electrical Corridors
ALTERNATE MANUFACTURER 4	

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-006-TM_T35

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Door Stop
Item Type	Wall Mounted Door Stop
Description	Wrought concave wall bumper
Manufacturer	Trimco
Model	1270WV.626
Finish	US26D, gray rubber
Material Composition	Stainless Steel, Rubber
CSI #	08 71 00 - Door Hardware
Omniclass #	22-08 71 00 - Door Hardware
Grade	1
Best Practices	Recycled content
Fastener	screws, concealed
Warranty	2 Years

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Trimco
Contact Name: Customer Service
Phone: 323.262.4191
Email: csr@TrimcoHardware.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry
Administration
Public Restrooms
Employee Areas
Guest Laundry
Fitness Center
Indoor Pool
Pool Storage
Welcome Desk
Engineering & Maintenance
Food & Beverage Back-of-House
Corridors

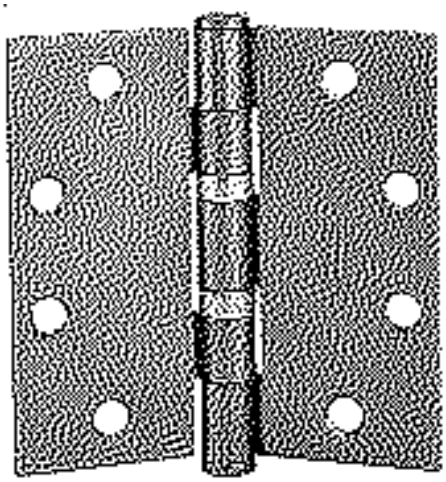
Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-022-MK_T35

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Hinge
Item Type	Hinge
Description	Five knuckle standard weight hinge
Manufacturer	ASSA ABLOY/McKinney
Model	TA2714
Dimensions	4-1/2" x 4-1/2"
Finish	US15, Satin Nickel
CSI #	087100 - Door Hardware
Omniclass #	22 - 087100 - Door Hardware
Quality Standards	ANSI/BHMA A156.1, 156.7
Knuckle	Five Knuckle
Weight	Standard
Lead Time	5-10 business days
Warranty	One year limited warranty



SPECIAL INSTRUCTIONS
Refer to door hardware schedule for hardware locations

MANUFACTURER

Vendor Name: Assa Abloy
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Stairs
Housekeeping
Property Technology
Mechanical, Plumbing & Electrical
Storage
Back-of-House Laundry
Elevator Equipment Room
Public Restrooms
Employee Areas
Guest Laundry
Fitness Center
Administration
Engineering & Maintenance
Food & Beverage Back-of-House

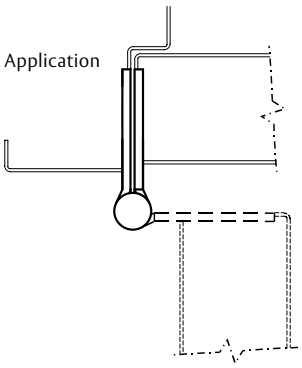
Five Knuckle Standard Weight Series

Recommended for standard weight, medium frequency doors, or doors with closing devices.

- Use for common flush door/frame/wall applications
- For Beveled Edge, where doors are beveled on hinge side, specify TA4314 or TA4714
- For available finishes see page 29

TA2314
TA2714

No.	ANSI Cross Reference	Base Material	Weight
TA2314	A5112	Stainless	STD
TA2314	A2112	Brass	STD
TA2714	A8112	Steel	STD



Specifications

Inches	mm	Gauge	No. of Holes	Fasteners	
				Machine	Wood
3 1/2" x 3 1/2"*	88.9 x 88.9	.123	6	1/2 x 10-24	1 x 10
4" x 4"*	101.6 x 101.6	.130	8	1/2 x 12-24	1 1/4 x 12
4 1/2" x 4"	114.3 x 101.6	.134	8	1/2 x 12-24	1 1/4 x 12
4 1/2" x 4 1/2"	114.3 x 114.3	.134	8	1/2 x 12-24	1 1/4 x 12
5" x 4 1/2"*	127 x 114.3	.146	8	1/2 x 12-24	1 1/4 x 12
5" x 5"*	127 x 127	.146	8	1/2 x 12-24	1 1/4 x 12
6" x 6"*	152.4 x 152.4	.160	10	1/2 x 1/4-20	1 1/2 x 14

* Not available in Brass base material.

Options:

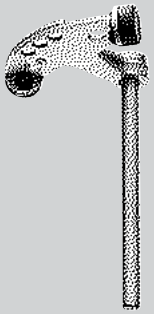
Code	Description
NRP	Non-Removable Pin
TB	Ball Bearing
TCA	Concealed Bearing
RC	Round Corner – 1/4" radius furnished unless specified otherwise
HT	Hospital Tip

Code	Description
BT	Ball Tip
ST	Steeple Tip
SSF	Safety Stud Feature
QC	ElectroLynx® Hinge – 2, 4, 6, 8, 10 or 12 wire available

Code	Description
CC	Concealed Circuit – 2, 4, 6, 8, 10 or 12 wire available
CC-18	Concealed Circuit – 2, 4, 6, 8 or 10 wire available (2-18AWG wires and the remainder 28AWG wires)
MM	Magnetic Monitoring

McKinney Hinge Pin Door Stop

- Recommended for high-use or high impact doors with McKinney T2714 or TA2714 hinges
- Protects against damage to doors and walls
- Runs the full length of the hinge



Part number	Description	Finish
76305	Hinge Pin Stop for MacPro MP79 & MPB79	26D
76306	Hinge Pin Stop for McKinney T2714 & TA2714	26D

ASSA ABLOY

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Check the web site for the up-to-date catalog

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Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

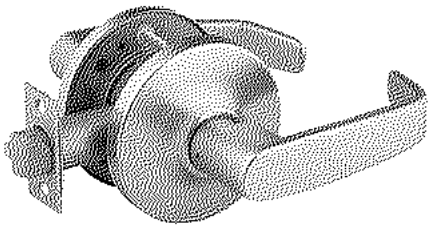
DH-041-SG_T35

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Latchset
Item Type	Passage Set
Description	10 Line Cylindrical Lock, P Lever and L Rose Trim
Manufacturer	Sargent (Assa Abloy)
Model	28-10U15 LP
Color	Satin Nickel
Finish	US15
CSI #	087100 Door Hardware
Omniclass #	22-087100 Door Hardware
Quality Standards	ANSI A156.2 Series 4000-Grade 1; UL Listed for 3 hour doors; Meets UL10C and UBC 7-2 (1997) - Positive Pressure; CA Title 19 and 24
Accessibility Compliance	Meets ADA requirements for barrier-free accessibility
Lead Time	10-15 Business Days
Warranty	Seven year limited warranty



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Assa Abloy
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Back-of-House Laundry

DH-041-SG_T35

Product Catalog

SARGENT
ASSA ABLOY

10 Line
Cylindrical Lever Lock

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10 Line Cylindrical Lever Locks

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ASSA ABLOY

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Latches 10
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Architectural Specifications 15

Specifications

For Doors	1-3/4" (44mm) thick door adjusts to 2" (51mm) standard 1-3/8" (35mm) thick door, 1- Option for Adapter plates
Backsets	2-3/4" (70mm) backset w/ 1-1/8" front (standard) 2-3/8" (60mm) backset w/ 1" wide front (specify 20-) 3-3/4" (95mm) backset w/ 1-1/8" front (specify 23-) 5" (127mm) backset w/ 1-1/8" Front (specify 25-)
Cylindrical Housing	Steel, zinc dichromate finish
Front	Wrought brass, bronze and stainless steel 2-1/4" (57mm) x 1-1/8" (29mm) Fixed Bevel 2-1/4" (57mm) x 1" (25mm) (included with 20-)
Strike	Wrought brass, bronze and stainless steel 800 curved lip strike — standard 808 curved lip ANSI strike (28- option) Wrought box strike available (WBS- option)
Hand	All 10 Line Locks are non-handed except for the G & Y Levers
Roses	Heavy wrought brass and bronze
Latch	Stainless steel 1/2" (13mm) throw Brass 3/4" (19mm) throw for pairs of doors (41- option)
Cylinder	Brass, 6 pin, LA keyway standard
Keys	Two, nickel silver
Masterkeying	Can be master keyed or grand master keyed Construction key systems available
Finishes	03, 04, 09, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D, BSP, WSP
Options	For detailed information see “Options”
Door Prep	ANSI/BHMA A156.115
Minimum Stile	4-1/2" (114mm)

Certification Compliance

ANSI/BHMA	Certified ANSI A156.2 Series 4000 — Grade 1
UL	UL listed to U.S.A. and Canadian safety standards Listed for 3 hour doors (double doors require 41- option)
Positive Pressure	Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies
ADA	All levers conform to ADA requirement for barrier-free accessibility
California Code	Levers (L, J & P) conform to California Administrative Code Title 19 and 24
Hurricane Code	All individual components of a total door opening are required to comply with each code. Refer to the SARGENT Website (www.sargentlock.com) for specific code compliance listings for both the lock hardware and other door components.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

MicroShield™

MicroShield®

As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, a silver-based antimicrobial coating designed to inhibit the growth of bacteria.
MicroShield® is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company.

MicroShield® Coating

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield lasts for the life of the hardware
- MicroShield coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

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On The Cover

- 10G05 X GL

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Windstorm Certifications

10 Line Cylindrical Lever Locks

SARGENT
ASSA ABLOY

Windstorm Certifications: Florida Building Codes & UL Listings

SARGENT Manufacturing's products meet building codes that require hurricane, windstorm and FEMA certifications, including some of the most stringent building codes as specified in the Florida Building Code, Miami Dade Code and the International Building Code. Listed below are certifications and standards met by the 10 Line lock.

Florida Building Code: FL2998
UL Certification Directory: ZHEM.R21744 – Latching Hardware

ANSI/SDI-BHMA A250.13	"Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies"
ANSI/ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
(TAS) 201	"Impact Test Procedures"*
(TAS) 202	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
(TAS) 203	"Criteria for Testing Products Subject to Cyclic Wind Pressure Loading"*

* Published in the "Florida Building Code"

UL Certification Directory: ZHLL.R21744 – Products for Use in Windstorm-rated Assemblies

Certifications to meet assembly requirements are done in conjunction with doors from ASSA ABLOY Group companies CECO DOOR and CURRIES.

ASTM E330	"Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"
ANSI/ASTM E1886	"Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"
ASTM E1996	"Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"
AAMA/WDMA/CSA 101/I.S.2/A440	"Standard/Specification for Windows, Doors, and Unit Skylights"
FEMA Publication 320	"Taking Shelter From the Storm: Building a Safe Room for Your Home or Small Business", investigated with respect to impact and pressure requirements only.
FEMA Publication 361	"Design and Construction Guidance for Community Safe Rooms", investigated with respect to impact and pressure requirements only.
ICC 500	"ICC/NSSA Standard for the Design and Construction of Storm Shelters", investigated with respect to impact and pressure testing. Minimum missile impact speeds vary with the design wind speed desired for a particular product. The information below correlates design wind speed to the minimum missile speeds as discussed in Table 305.1.1 of ICC 500.

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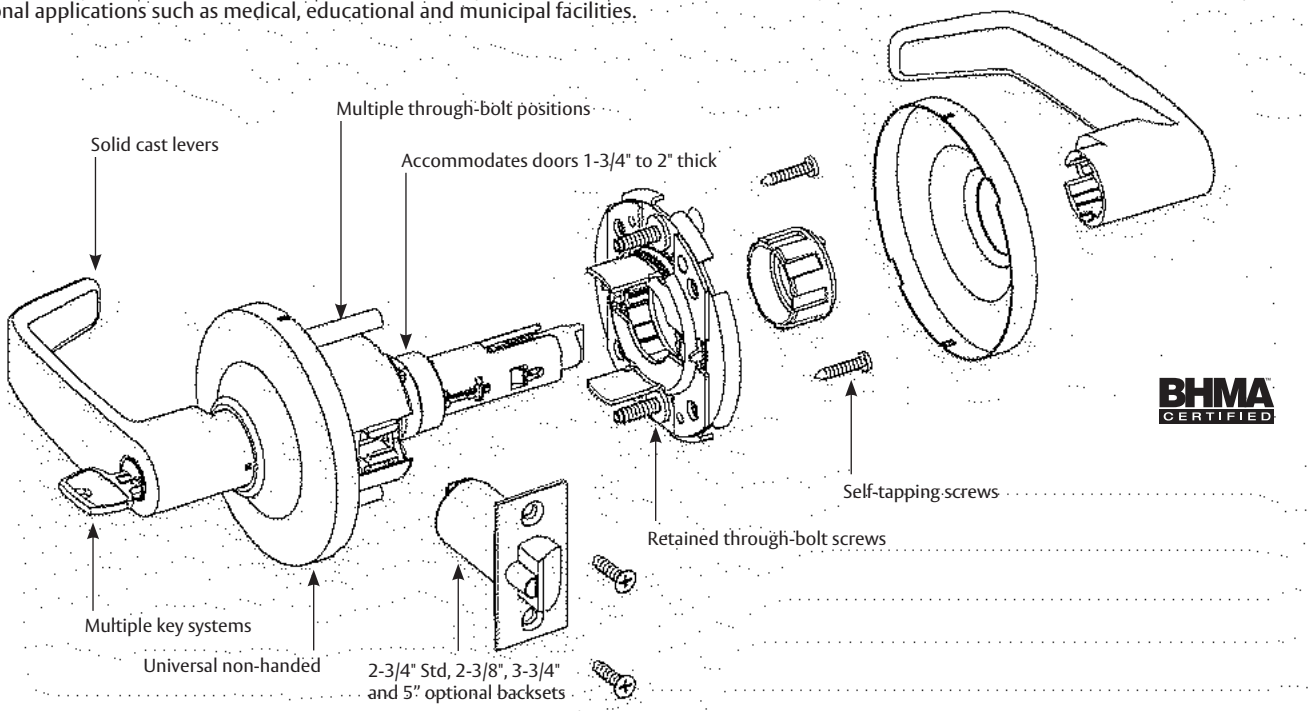
Features & Benefits

10 Line Cylindrical Lever Locks

SARGENT
ASSA ABLOY

Features & Benefits

A heavy duty cylindrical key-in-lever lock designed to exceed the requirements of ANSI 156.2 Series 4000 Grade 1. The 10 Line is the standard for institutional applications such as medical, educational and municipal facilities.



Strength, Durability and Security

- Cycle Test: Exceeds 9 times ANSI/BHMA A156.2 Grade 1 requirements
- Abusive Locked Lever Torque- without entry gained: Exceeds 1.5 times ANSI/BHMA A156.2 Grade 1 requirements
- **7 YEAR LIMITED WARRANTY** – no service required to maintain warranty

Convenience

- Installs in 1 minute or less
- Quickly adapts to fit multiple through-bolt positions
- User friendly packaging
- User friendly instruction sheets
- Convenient installation diagram on box

Design

- Solid feel and precise lever action
- Slim rose design available
- Decorative Levers — Coastal Series designs – Gulfport and Yarmouth
- Levers are solid one piece cast construction, except "J" lever

Flexibility

- Fits a variety of door preparations with adaptable through-bolt positioning
- Accommodates retrofit applications with optional 2-3/8", 3-3/4" and 5" backset latches
- 6 ADA lever styles to complement a wide array of design applications
- Levers (B, L, J & P) are non-handed for efficient warehousing and for ease of installation
- 11 Architectural grade finishes
- 21 Functions
- SARGENT uses engineered solutions and flexible manufacturing processes to accommodate special applications

Security

- Torx® and spanner screws optional
- Classroom security and multiple locking functions available
- Vandal resistant trim optional (FW- option)
- Security key systems available (Signature, Keso, BR-XC, XC)

Applications

- Designed to conform to national & state fire and handicapped requirements
- Grade 1 Lock
- Heavy duty commercial and institutional interior and exterior doors
- Offices
- Schools/Universities
- Hospitals
- Manufacturing facilities

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Lever & Rose Designs

10 Line Cylindrical Lever Locks

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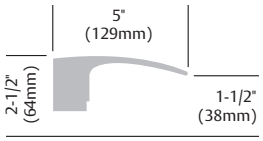
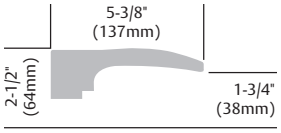
B Lever Design

- Lever: B–Solid Cast



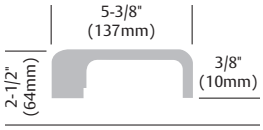
Y Lever Design - Coastal Design - Yarmouth

- Lever: Y–Solid Cast
- Handed



J Lever Design

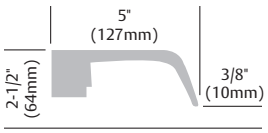
- Lever: J–Wrought



J lever – not available with Freewheeling or Interchangeable Core

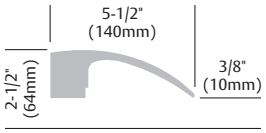
L Lever Design

- Lever: L–Solid Cast



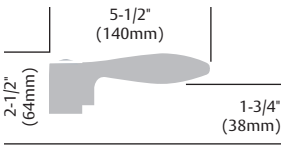
P Lever Design

- Lever: P–Solid Cast



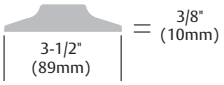
G Lever Design - Coastal Design - Gulfport

- Lever: G–Solid Cast
- Handed



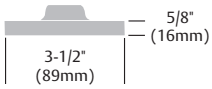
G Rose Design

- Rose G - Heavy Wrought



L Rose Design

- Rose L - Heavy Wrought



NOTE: Any rose or lever on this page can be combined to suit individual taste.

NOTE: All lever height measurements represent total distance from door face.

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Functions

10 Line Cylindrical Lever Locks

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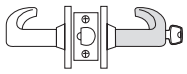
Single Cylinder Functions

04 Storeroom or Closet

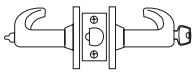
10G04



- Deadlocking latch
- Latch by lever inside or key outside
- Outside lever rigid at all times
- **ANSI/BHMA F86**

05 Entrance or Office

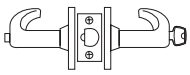
10G05



- Deadlocking latch
- Latch by either lever unless outside lever is locked by push/turn button in inside lever
- Push button released by key outside or lever inside
- Turn button must be released manually
- Key retracts latch when outside lever is locked
- **ANSI/BHMA F109**

24 Entrance or Office

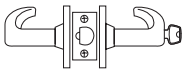
10G24



- Deadlocking latch
- Latch by either lever unless outside lever is locked by push button in inside lever
- Push button released by key or turning inside lever
- Closing door does not unlock outside lever or release button
- Key in outside lever retracts latch when outside lever is locked and releases inside push button
- **ANSI/BHMA F82A**

37 Classroom

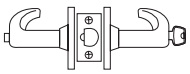
10G37



- Deadlocking latch
- Latch by either lever unless outside lever is locked by key
- Key in outside lever locks or unlocks outside lever and retracts latch
- Inside lever always operative
- **ANSI/BHMA F84**

44 Service Station

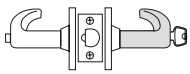
10G44



- Deadlocking latch
- Latch by either lever unless outside lever is locked by push button in inside lever
- Key retracts latch when outside lever is locked
- Push button released by turning inside lever, closing door, or by key in outside lever unless push button is fixed in locked position by turning coin slot in inside lever
- Slotted inside button must be manually released
- **ANSI/BHMA F92**

50 Hotel, Dormitory or Apartment

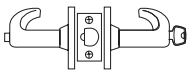
10G50



- Deadlocking latch
- Latch by key outside and lever inside
- Outside lever always rigid
- Depressing push button when door is closed shuts out all keys except emergency key and projects visual occupancy indicator in cylinder face
- Push button released by turning inside lever automatically reactivating all keys and retracting visual occupancy indicator
- Lock out key fixes push button in locked position, shutting out all keys except emergency
- Push button fixed by lockout key must be released manually
- Lock out key provided
- See option page for restrictions to 50 function
- Emergency key ordered separately. Part # 6267EMK
- **ANSI/BHMA F93**

54 Corridor, Dormitory

10G54



- Deadlocking latch
- Latch by either lever unless outside lever is locked by push button inside or key outside
- Rotating inside lever or closing door releases inside button only, but does not unlock the outside lever if locked by key
- Key outside locks or unlocks outside lever and also retracts latchbolt when locked
- **ANSI/BHMA F90**

Freewheeling Locked Lever Option

- Available on all locking functions except 10G70 and 10G71
- Provides protection from vandalism and added security
- Stops in the rose prevent the lever from traveling beyond 60° in either direction
- Not available in "J" Lever Design and some options

Shaded lever indicates it is rigid at all times.

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Functions

10 Line Cylindrical Lever Locks

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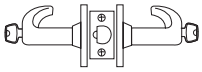
Double Cylinder Functions

16 Classroom Security, Apartment, Exit, Privacy

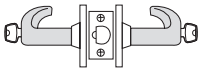
10G16



- Deadlocking latch
- Latch by either lever unless outside lever is locked by key in inside lever
- Key in outside lever retracts latch when outside lever is locked
- Inside lever always operative
- **ANSI/BHMA F88**

17 Utility, Asylum or Institutional

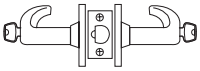
10G17



- Deadlocking latch
- Both levers rigid at all times
- Latch by key either side
- Use only on rooms with more than one exit
- **ANSI/BHMA F87**

26 Store or Storeroom

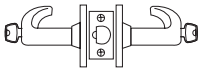
10G26



- Deadlocking latch
- Latch by either lever
- Key in either lever locks or unlocks both levers
- **ANSI/BHMA F91**

30 Communicating

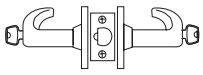
10G30



- Deadlocking latch
- Latch by either lever
- Key in either lever locks or unlocks its own lever only
- Use only on rooms with more than one exit
- **ANSI/BHMA F80**

38 Classroom Security Intruder

10G38

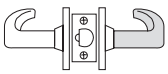


- Deadlocking latch
- Latch by either lever unless outside lever is locked by key
- Key in either lever locks or unlocks outside lever
- Inside lever always operable
- Locked indication on inside rose standard with this function
- **ANSI/BHMA F110**

Non-Cylinder Functions

13 Exit

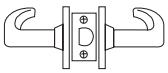
10G13



- Deadlocking latch
- Latch by inside lever
- Outside lever rigid at all times
- **ANSI/BHMA F89**

15 Passage

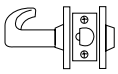
10U15



- Latch by either lever
- **ANSI/BHMA F75**

15-3 Exit or Communicating

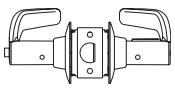
10G15-3



- Deadlocking latch
- Blank rose outside
- Latch by lever inside
- Minimum clearance of 1-1/8" on single doors and 2-1/4" between double doors

65 Privacy/Bathroom

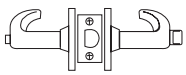
10U65



- Latch by either lever unless outside lever is locked by push button in inside lever
- Turning inside lever or closing door releases button
- Emergency button in outside lever unlocks, with use of a blade screwdriver in outside lever and releases inside button
- **ANSI/BHMA F76A**

68 Hospital Privacy

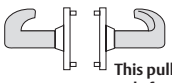
10U68



- Latch by either lever unless outside lever is locked by push button in inside lever
- Turning inside lever or closing door releases button
- Rotating thumbturn in outside lever unlocks the outside lever and releases the inside button
- Not available in the "J" lever design

93 Single & 94 Double Lever Pulls

10U93/10U94

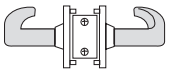


This pull only for 93

- For wood or custom hollow metal doors
- Lever and rose both sides joined by two through-bolts
- Requires special door preparation — see template

94-2 Double Lever Pull

10U94-2



- For wood or custom hollow metal doors
- Lever and rose both sides joined by two through-bolts
- Dummy latch plate
- Uses standard door prep template

Shaded lever indicates it is rigid at all times.

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Electromechanical Functions & Accessories

10 Line Cylindrical Lever Locks

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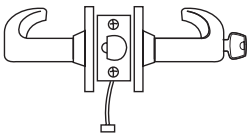
70 Electromechanical (Fail Safe)
71 Electromechanical (Fail Secure)

10G70



- 10G70: Power off, unlocks outside lever
- 10G71: Power off, locks outside lever
- Deadlocking latch
- Key retracts latch
- Inside lever always allows egress
- Voltage requirements: 12VDC or 24VDC Regulated; always specify voltage
- 250mA at 24VDC or 500mA at 12VDC
- Provided with ElectroLynx® 8-Pin Connector

RX- Monitoring of Inside Lever

- Patent Pending design
- Non-Contact Switch
- Bidirectional lever rotation
- Non-handed design
- Internal switch offers N/O & N/C
- Modular wire harness with ElectroLynx® 8-pin connector
- Available functions: 04, 05, 15, 37, 70 & 71

Requirements for Electrical and Data Transfer

To answer the demand for "smart" electronic access control and locking solutions that require fast, easy, and cost-effective installation, ASSA ABLOY Group brands use the ElectroLynx® standardized plug-in connectors and color-coded wiring system.

With ElectroLynx, doorway components come pre-wired for easy hookup to the power source. Key to the system is the transfer device hinge that carries power from the frame to the locking hardware.

Features of ElectroLynx®:

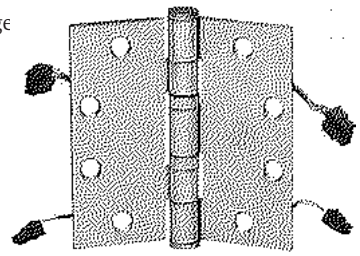
- Makes it easy to bring power to the locking hardware
- Wires have connectors that snap together, like plugging a telephone into a jack

To connect 10 Line Electrified Lock to the electronic access control system, the following items are required:

- 10 Line Electrified Lock
- ASSA ABLOY Door Group pre-wired door, or ElectroLynx® retrofit cable (order from McKINNEY)
- Electronic transfer device (ElectroLynx® electronic transfer hinge or Electrical Power Transfer with standard hinge, from McKINNEY)
- ElectroLynx® cable from the hinge to above the ceiling (order from McKINNEY)

Information regarding cable selection, hinge requirements and order strings can be found in the McKINNEY Transfer Device Solutions catalog. Consult 800-810-WIRE (9473) with questions on application specifications and requirements.

McKINNEY QC8 ElectroLynx® hinge are recommended for Electrified 10 Line Applications



12VDC & 24VDC Power Supplies:

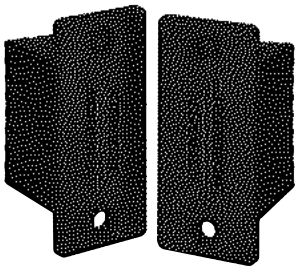
- UL Class 2 Listed
- Four 12V models and four 24V models available
- Integral battery charging capability keeps sealed lead acid gel/cell at full charge in case of line voltage failure (737-battery sold separately)
- Fused line voltage input with one, four, or eight DC outputs (depending on model)
- Each circuit can be individually turned on and off via a slide switch; the power status of each is shown by an LED.
- In the event of a DC short the problem is confined to the zone of difficulty
- Fire alarm interface standard

SARGENT MODEL No.	DESCRIPTION
3521	12V - 1 AMP POWER SUPPLY
3541	12V - 3 AMP POWER SUPPLY
3551	12V - 4.5 AMP POWER SUPPLY
3571	12V - 6 AMP POWER SUPPLY
737	12V - 5 AMP HOUR BACKUP BATTERY

SARGENT MODEL No.	DESCRIPTION
3520	24V - 1 AMP POWER SUPPLY
3540	24V - 2 AMP POWER SUPPLY
3550	24V - 4 AMP POWER SUPPLY
3570	24V - 6 AMP POWER SUPPLY
738	24V - 5 AMP HOUR BACKUP BATTERY

Securitron PowerJump™ ICPT

The Securitron PowerJump ICPT Inductive Coupling Power Transfer delivers power contactlessly and invisibly between the frame and door to power electrified hardware on the door. The PowerJump can be installed at the latch side or hinge side of the door and transfers up to 6 watts of power without pins or wires across the door gap, eliminating points of vulnerability and wear ... and no need to core drill the door. The PowerJump is field selectable for 12VDC or 24VDC systems and is ideal for fail secure applications. The unit can hold electrified latches open in continuous duty or can momentarily energize the lockset for latch retraction.



Additional information regarding this product can be found at www.securitron.com

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Strikes and Miscellaneous Parts

10 Line Cylindrical Lever Locks

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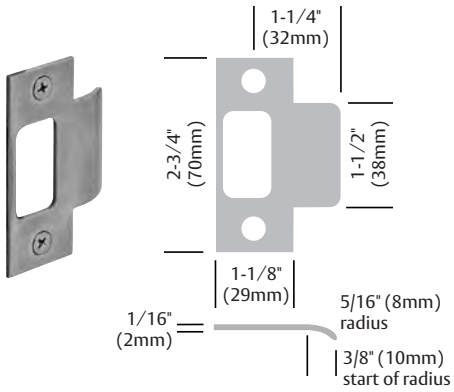
Strikes

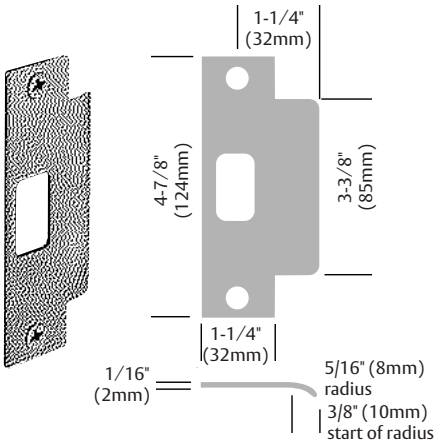
- Finishes: 03, 04, 09, 10, 10B, 10BE, 10BL, 20D, 32, 32D, BSP, WSP

2-3/4" Curved Lip Strike – Standard



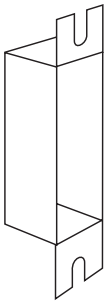
- Brass, bronze or stainless steel
- Furnished standard with 1-1/4" (32mm) curved lip from center of strike screw holes to end of lip
- Lip lengths 1" (25mm), 1-1/4" (32mm) standard, 1-1/2" (38mm), 1-3/4" (44mm) and 2" (51mm)
- Plastic strike box AM-0044 included
- To order strike separately, specify 800 strike x finish x lip length

4-7/8" Curved Lip Strike: (28-Option)



- Brass, bronze or stainless steel
- Conforms to ANSI standard
- Furnished standard with curved lip 1-1/4" (32mm) from center of strike screw holes to end of lip
- Lip lengths 1-1/8" (29mm), 1-1/4" (32mm), 1-3/8" (35mm), 1-5/8" (42mm), 1-7/8" (48mm), 2-1/8" (54mm), 2-3/8" (60mm), 2-5/8" (66mm), 2-7/8" (73mm)
- 77-1141 Wrought strike box available separately
- To order strike separately, specify 808 strike x finish x lip length

ANSI Wrought Strike Box



- Used with ANSI 4-7/8" strike (#808)
- To order with lock, specify option WBS
- To order separately, specify 77-1141

Miscellaneous Parts

Part No.	Description
10-3188	1-3/8" Adapter plate pack (set of 2)
01-0949	30-option, washer only
C10-3	Emergency release cylinder (65 function)
10-0043	Push pin tool
10-2052	Screw pack (standard)
10-2070	Screw pack (28- option)
10-3048	Inside rose assembly
10-3049	Outside rose assembly
82-3855	6 lobe bit pack 6 bits (Sizes – T8, T9, T10, T15, T20, T25, T27) Requires 9/32" driver
82-3856	Spanner bit pack 5 bits (Sizes – 6, 8, 10, 12, 14) Requires 1/4" driver

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Latches

10 Line Cylindrical Lever Locks

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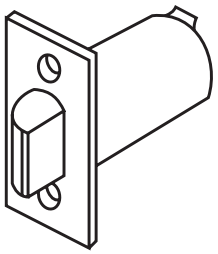
Latches

- Finishes: 03, 04, 09, 10, 10B, 10BE, 10BL, 20D, 32, 32D, BSP, WSP

Plain Latch - 10U15, 10U65, 10U68:

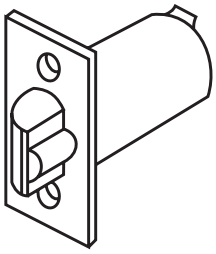
Part No.	Front	Front Width	Backset	Throw
10-3187	Square Corner	1" (25mm)	2-3/8" (60mm)	1/2" (13mm)
10-2022	Square Corner	1-1/8" (29mm)	2-3/4" (70mm)	1/2" (13mm)
10-2054	Square Corner	1-1/8" (29mm)	3-3/4" (95mm)	1/2" (13mm)
10-2057	Square Corner	1-1/8" (29mm)	5" (127mm)	1/2" (13mm)



Plain

Deadlocking Latch - All Other Functions:

Part No.	Front	Front Width	Backset	Throw
10-3186	Square Corner	1" (25mm)	2-3/8" (60mm)	1/2" (13mm)
10-2000	Square Corner	1-1/8" (29mm)	2-3/4" (70mm)	1/2" (13mm)
10-2053	Square Corner	1-1/8" (29mm)	3-3/4" (95mm)	1/2" (13mm)
10-2058	Square Corner	1-1/8" (29mm)	5" (127mm)	1/2" (13mm)
10-2634	Square Corner	1-1/8" (29mm)	2-3/4" (70mm)	3/4" (19mm)



Deadlocking

Miscellaneous:

Part No.	Description
10-2059	3-3/4" (95mm) Latch extension only
10-2060	5" (127mm) Latch extension only
10-0048	Extension cover sleeve

When ordering latches separately, specify Part No. x Finish (e.g., 10-3186 x 26D)

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Cylinders

10 Line Cylindrical Lever Locks

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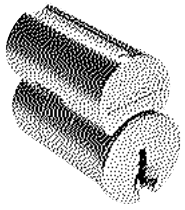
Cylinders

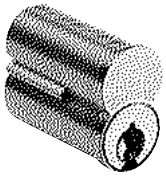
- Finishes: 04, 15

				Interchangeable Core^	
Type	**Pins**	**Standard Cylinder**	**Hotel Cylinder**	**Large Format**	**Small Format**
Conventional	6	C10-1	C10-2	6300	7300B
	7	N/A	N/A	N/A	7P-7300B
Signature	6	10-C10-1	N/A	10-6300	N/A
XC	6	11-C10-1	N/A	11-6300	N/A
	7	N/A	N/A	N/A	11-7P-7300B
Degree® DG1	6	DG1-C10-1	DG1-C10-2	DG1-6300	N/A
Degree® DG2	6	DG2-C10-1	N/A	DG2-6300	N/A
Degree® DG3	6	DG3-C10-1	N/A	DG3-6300	N/A

C10-1



6300



7P-7300B

All cylinders are supplied with 2 nickel silver change keys.
When cylinders are ordered keyed to 5 pin systems, the (6th) last chamber will be empty.

Cylinders are supplied random keyed unless specified 1 bitted or master keyed. For master keyed orders provide keying details as requested on SARGENT Keyed Order Lead Sheets, located in the price book or contact customer service.

To order cylinders separately, specify part number x keyway x finish (i.e. C10-1 x LA x 15)

^Locks will be provided with the applicable tailpiece per the type interchangeable and/or removable core being used.

For example standard cores and Degree® cores require different tailpieces. When ordering complete locks, the appropriate option code must be specified in accordance to the permanent core being used. See pages 12-14 for cylinder options.

Cylinders with Competitive Keyways

Competitive Keyway	Part Number
Schlage® C	SC-C10-1
Schlage® E	SE-C10-1

All cylinders are 6-pin, 0-bitted and supplied with two brass key blanks.
Cylinders include tail piece.

Refer to Cylinders and Components catalog for more information.

Interchangeable Core Tailpieces (replacement parts)

Used with:	Type	P/N
6300 10-6300	LFIC Conventional LFIC Signature	10-0239
11-6300 DGX-6300	LFIC XC LFIC Degree®	10-3429
7300B	SFIC 6Pin	10-0239
7300B	SFIC 6 Pin	10-0286
7P-7300B	SFIC 7 Pin	10-0240
11-7P-7300B	SFIC XC	10-3138

Note: Tailpieces included with lock.

Levers That Accept Cylinders/Cores from Other Manufacturers*

Cylinder Type	Option Code Ordered with Lock	Available Levers	Tailpiece P/N (provided with lock)	Competitor Cylinder Compatibility
Fixed Core				
Schlage® 6-pin	30-	All	N/A	Schlage® Conventional or Primus®
Interchangeable Core				
SFIC 6- or 7-pin	70-, 72-, 73-	G, L, B, P, Y	10-0239 (6-pin)	All 6- or 7-pin small format interchangeable cores
			10-0240 (7-pin)	
Schlage® LFIC 6-pin	SF-	L	10-3428	All Schlage® 6-pin large format interchangeable cores

*Cylinder/core not included.

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Mechanical & Cylinder Options

10 Line Cylindrical Lever Locks

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Mechanical Options:

Thin Doors	**1-**	Adapter plates for 1-3/8" thick doors
Backset Options	**20-**	2-3/8" backset latch with 1" front
	23-	3-3/4" backset x 2-1/4" x 1-1/8" front
	25-	5" backset x 2-1/4" x 1-1/8" front
Strike	**28-**	Strike #808. Lip length 1-1/4". Lip lengths 1-5/8" to 2-7/8" in 1/4" increments only.
Security Fasteners	**36-**	Six lobe security head screws
	37-	Spanner head screws
3/4" Throw	**41-**	3/4" throw latchbolt x 2-3/4" backset
Lead Lined	**74-**	Lead lining I/S rose, O/S rose, and latch tube
Tactile Warning Options	**75-**	Tactile warning - handicap warning milled on backside of inside lever
	76-	Tactile warning - handicap warning milled on backside of outside lever
	77-	Tactile warning - handicap warning milled on backside of both levers
	85-	Tactile warning - abrasive coating on inside lever
	86-	Tactile warning - abrasive coating on outside lever
	87-	Tactile warning - abrasive coating on both levers
Freewheeling Trim	**FW-**	Freewheeling locking levers (G, L, B, P, Y levers only)
Finish Protection	**SG-**	MicroShield® antimicrobial clear powder coat (only available with 15 and 26D finishes)
	CPC-	Clear Powder Coat over 26D – 10G05 x LL x 26D x CPC
Request to Exit	**RX-**	Request to exit - monitors inside lever rotation (available with functions: 04, 05, 15, 37, 70 & 71)
Box Strike	**WBS-**	Wrought box strike

Cylinder Options:

Conventional Cylinder	**DG1-**	Sargent Degree key system level 1 (bump resistant with patented keys)
Degree Key System	**DG1-21-** *	Degree level 1 construction master keying
	DG1-60-	Degree level 1 removable disposable construction core
	DG1-63-	Degree level 1 removable core
	DG1-64-	Degree level 1 removable construction keyed LFIC
	DG1-65-*	Degree level 1 unassembled/uncombinated fixed core component cylinder (packed loose for field keying)
	DG1-63-65-	Degree level 1 unassembled/uncombinated removable core LFIC (packed loose for field keying)
	DG2- *	Sargent Degree key system level 2 (geographically exclusive; bump and pick resistant)
	DG2-21- *	Degree level 2 construction master keying
	DG2-60-*	Degree level 2 removable disposable construction core
	DG2-63-*	Degree level 2 removable core
	DG2-64-*	Degree level 2 removable construction keyed LFIC
	DG2-65-*	Degree level 2 unassembled/uncombinated fixed core component cylinder (packed loose for field keying)
	DG2-63-65-*	Degree level 2 unassembled/uncombinated removable core LFIC (packed loose for field keying)
	DG3-*	Sargent Degree key system level 3 (geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21- *	Degree level 3 construction master keying
	DG3-60-*	Degree level 3 removable disposable construction core
	DG3-63-*	Degree level 3 removable core
	DG3-64-*	Degree level 3 removable construction keyed LFIC
Signature Key System	**10-***	SARGENT Signature key system
	10-21-*	SARGENT Signature construction key system (lost ball)
Signature: Large Format Interchangeable Core (Removable Core)	**10-63-***	SARGENT Signature LFIC (removable core) cylinder

Note: Cylinder Options continued on the following page
* Options not available with 10G50

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Cylinder Options

10 Line Cylindrical Lever Locks

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Cylinder Options:

XC- Key System	**11-***	XC Key System (not available with other Key Systems, unless specified)
	11-21-*	XC- Construction Key System (Lost Ball)
XC- Large Format Interchangeable Core (Removable Core)	**11-60-***	Lock to accept XC-LFIC (removable core) and provided with disposable plastic core; XC-LFIC permanent core ordered separately
	11-63-*	Lock provided with XC-LFIC (removable core); Includes master keying, grand master keying
	11-64-*	Lock to accept XC-LFIC (removable core) and provided with keyed construction core; XC-LFIC permanent core ordered separately.
XC- Small Format Interchangeable Cores	**11-70-7P-***	Lock to accept XC-SFIC (7-pin, removable core) and provided with disposable plastic core; XC-SFIC permanent core ordered separately (G, L, B, P, Y levers only)
	11-72-7P-*	Lock to accept XC-SFIC (7-pin, removable core) and provided with keyed construction core; XC-SFIC permanent core ordered separately (G, L, B, P, Y levers only)
	11-73-7P-*	Lock provided with XC-SFIC (7-pin, removable core); Includes master keying, grand master keying (G, L, B, P, Y levers only)
	11-65-73-7P-*	Lock provided with uncombinated SFIC (7-pin, removable core); Packed loose (G, L, B, P, Y levers only)
Construction Key Systems	**21-***	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)
	22-*	SARGENT Construction Split Key System for Conventional Cylinders (existing systems only) (N/A with 10-, 11-, 63- or 73-)
Large Format Interchangeable Core (Removable Core)	**60-***	Lock to accept LFIC (removable core) and provided with disposable plastic core; LFIC permanent core ordered separately
	63-*	Lock provided with LFIC (Removable Core) Cylinder — (Includes masterkeying, grand masterkeying)
	64-*	Lock to accept LFIC (removable core) and provided with keyed construction core; LFIC permanent core ordered separately
Small Format Interchangeable Cores	**70-***	Lock to accept SFIC (6 or 7-pin, removable core) and provided with disposable plastic core; SFIC permanent core ordered separately (G, L, B, P, Y levers only)
	72-*	Lock to accept SFIC (6 or 7-pin, removable core) and provided with keyed construction core; SFIC permanent core ordered separately (G, L, B, P, Y levers only)
	73-*	Lock provided with SFIC (6-pin, removable core); Includes master keying, grand master keying (G, L, B, P, Y levers only)
	73-7P-*	Lock provided with SFIC (7-pin, removable core); Includes master keying, grand master keying (G, L, B, P, Y levers only)
	65-73-*	Lock provided with uncombinated SFIC (6-pin, removable core); Packed loose (G, L, B, P, Y levers only)
	65-73-7P-*	Lock provided with uncombinated SFIC (7-pin, removable core); Packed loose (G, L, B, P, Y levers only)
Keso & Keso F1	**80-***	Lock to accept Keso and Keso F1 cylinders — no cylinders provided (G, L, B, P, Y levers only)
	82-*	Lock provided with SARGENT Keso Security Cylinder (G, L, B, P, Y levers only)
	F1-82-*	Lock provided with SARGENT Keso F1 Security Cylinder (Patented) (G, L, B, P, Y levers only)
Bump Resistant	**BR-**	Bump Resistant Cylinder (available with Conventional & Conventional XC Cylinders only)
Less Cylinder	**LC-**	Lock supplied less Cylinder
Schlage® Keyways	**SC-***	Schlage® C keyway cylinder, 0 bitted
	SE-*	Schlage® E keyway cylinder, 0 bitted
Accepts Schlage® Cylinders	**30-***	Lever to accept Schlage® fixed core cylinder - cylinder is not provided
	SF-*	L lever to accept Schlage® large format interchangeable core (supplied less core, tailpiece included)

* Options not available with 10G50

Notes:

- To order the 10 Line Lock for use with ASSA V-10 (VA & VS) cylinders, specify the Less Cylinder (LC-) option. V-10 cylinders are available from ASSA, Inc. @ 800-235-7482.
- 10 Line locks will be provided with the applicable tailpiece per the type interchangeable and/or removable core being used. For example standard cores and Degree® cores require different tailpieces. Appropriate option codes must be specified in accordance to the permanent core being used.

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How to Order, Packaging, Finishes

10 Line Cylindrical Lever Locks

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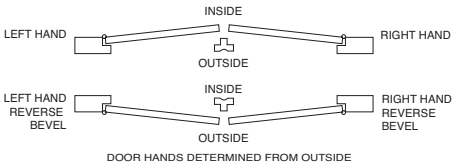
How to Order

5	10-RX-28-	10G70	12VDC	G	Y	RH	15	Door 3
Quantity	**Options***	**Lock & Function**	**Voltage**	**Rose**	**Lever**	**Hand**	**Finish**	**Additional Information**
	Available Options Pg 12-13 (Note: 28- for 808 ANSI Strike)	Available Functions Pg 6-7	12VDC or 24VDC Required Information For 70 & 71 Functions	Available Roses G & L	Available Levers B, Y, J, L, P & G	RH, LH, RHR, LHR	Available Finishes Pg 14	Such as Item, Heading Number, Door Number, Keyset
* Multiple options may be selected								

Packaging

28-10G05 x LL
4.2 lbs/box (1.9 kg/box)
10 boxes/case

Hand



Finishes

SARGENT #	Descriptions	ANSI/BHMA
03	Polished brass, clear coated	605
04	Satin brass, clear coated	606
09	Polished bronze, clear coated	611
10	Satin bronze, clear coated	612
10B	Oxidized bronze, oil rubbed	613
10BE	Dark Oxidized Satin Bronze - equivalent	613E
10BL	Oxidized satin, bronze, clear coated	613L
14	Polished nickel, clear coated	618
15	Satin nickel, clear coated	619
20D	Statuary dark bronze, clear coated	624
26	Polished chrome	625
26D	Satin chrome	626
BSP	Black suede powder coat	BSP
WSP	White suede powder coat	WSP
SG- Option	MicroShield® antimicrobial clear powder coat (only available with 15 and 26D finishes)	

Zinc levers are plated to match ANSI/BHMA finish.
Custom colors available, consult factory.
Split finishes:
- Specify outside finish first i.e. 10G05 x LL x 26D x 03 x RH
- Handing must be specified
- Strike and latch front will match the following:
  RH & LH = inside finish
  RHR & LHR = outside finish

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Architectural Specifications

10 Line Cylindrical Lever Locks

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Suggested Architectural Specifications - 2.0 Cylindrical Locks

A. Locks shall be 10 Line as manufactured by Sargent Manufacturing Company, New Haven, CT.

B. Locks shall exceed the requirements of ANSI/BHMA A156.2 Series 4000, Grade 1 with all standard trims, as follows:
   1. Cycle Test: Exceeds 5 times ANSI/BHMA A156.2 Grade 1 requirements
2. Abusive Locked Lever Torque — without entry gained: Exceeds 1.5 times ANSI/BHMA A156.2 Grade 1 requirements

C. Locks shall be non-handed with bi-directional lever operation, except the “G” and “Y” lever designs.

D. Through-bolt mounting shall be adaptable to fit a variety of standard cylindrical lock preps.

E. Locks shall comply with UL 10C positive pressure requirements.

F. Locks required for fire doors shall be listed by Underwriters Laboratories for ratings of 3 hours (A label) and less, for doors up to 4'0" (1.2m) x 10'0" (3.0m) and pairs of doors 8'0" (2.4m) x 10'0" (3.0m).

G. Lock levers shall be made of solid material.

H. Lock shall be available in a minimum of six different lever designs.

I. Locks shall have a 2-3/4" (70mm) backset standard.

J. Strikes shall be non-handed with a curved lip. Provide wrought boxes with strikes.

K. Locks shall have brass 6-Pin cylinder standard.

L. Provide two nickel silver keys with each lock.

J. Locks shall have a seven year limited warranty.

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices, electro-mechanical products and access control systems for new construction, renovation, and replacement applications. The company's customer base includes commercial construction, institutional, and industrial markets.

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Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DH-044-TM_T35

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Door Silencers
Item Type	Door Silencers for Metal Door Frames
Description	High Grade Rubber, Triangular
Manufacturer	Trimco
Model	1229A
Dimensions	1/2" x 1/2"
Color	Grey
CSI #	08 71 00 Door Hardware
Omniclass #	22-087100
Grade	BHMA L03011
Notes	Sold in multiples of 100

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Trimco
Contact Name: Customer Service
Phone: 323.262.4191
Email: csr@TrimcoHardware.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk
Administration
Engineering & Maintenance
Food & Beverage Back-of-House
Back-of-House Laundry
Mechanical, Plumbing & Electrical

Automatic Entrance Doors_Beige Color Scheme

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-001-A1-BE

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Automatic Entrance Doors, Single Sliding
Item Type	Single-sliding doors.
Description	The system shall consist of sliding aluminum doors, sidelights, header, operator, and actuating controls. All components shall be factory assembled in the header, adjusted and tested.
Manufacturer	Besam (Assa Abloy)
Model	Unislide OHC Series, Single-Slide - Unislide OC-S (Exterior) / Type 310, Unislide OC-A" with Access Control Package (Interior)
Dimensions	Medium stile (4") with intermediate 4-inch muntin 10-inch bottom rail
Color	Clear Anodized or to match Clear Anodized, refer to notes
Finish	Refer to Notes
Material Composition	Aluminum, ASTM B221, 6063-T6 alloy and temper.
CSI #	084229 - Automatic Entrances
Omniclass #	22-084229 Automatic Entrances
Operation	Electronic automatic, single-sliding directional operation. In compliance with NFPA 101, the sliding door panels shall allow “breakout” to the full open position to provide instant egress at any point in the door’s movement. Break-out feature shall comply with requirements of Authorities Having Jurisdiction. To allow safe egress, automatic operation shall be discontinued when the sliding panel is in the “breakout” mode. Doors and sidelights shall be sized to prevent pinch points at meeting stiles.
Best Practices	Recycled content of aluminum.
Quality Standards	ANSI/BHMA A156.10, "American National Standard for Power Operated Pedestrian Doors." UL 325 Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems.
Accessibility Compliance	All door openings shall comply with ADA Chapter 4 Entrances, Doors, and Gates/ANSI A117.1.
Accessories	Hardware for emergency breakaway function: Arms and bottom pivot assemblies supplied by the manufacturer, adjustable to comply with applicable codes. Electrified slide lock shall automatically lock all sliding door panels when the door panels are in the closed position. Fail-secure carriage lock. Weather-stripping shall be slide-in type, replaceable pile mohair seals retained by aluminum extrusions. Card reader (Refer to Door Hardware Schedule) will be mounted on vestibule side of interior unit. Manufacturer’s standard one-piece extruded aluminum header with a replaceable aluminum track extending full width of entrance unit. Combination

	Activation Motion Sensor/Safety Presence Sensor. Manufacturer's standard sign: red background with 1-inch high contrasting letters with the words "IN EMERGENCY PUSH TO OPEN." Door Panels: 1/4" tempered, clear glass. Sidelite panels: 5/8" insulated. As recommended by the storefront framing manufacturer for applications indicated.
Warranty	System Warranty: 2 years Finish Warranty: Refer to Notes
Notes	Maintenance Period: 12 months following date of Substantial Completion. Finish Options: 1. Powder Coat Systems: a. Non-Florida or Non-Coastal Projects require powder coat polyester complying with AAMA 2604, 10-year warranty. Color PPG-PCTT2314 (Enviracon 4). b. For Florida and other coastal region projects, use 100% FEVE resin powder coating complying with AAMA 2605 with 20-year warranty. Color PPG PCNT23118 (Coraflon). 2. Liquid-applied systems: a. Use 2-coat, 50% PVDF resin system complying with AAMA 2604, 10-year warranty. Color PPG-UC110423F (Acrynar). b. For Florida and coastal regions, use 2-coat, 70% PVDF resin system complying with AAMA 2605 with 20-year warranty. Color PPG UC110423F (Duranar). 3. Anodized Finish Systems: a. Electrolytically Deposited Anodic Coating, Class 1, Designation AAM12C21A44 conforming to AAMA 611 with 10-year warranty.

SPECIAL INSTRUCTIONS

Opening force: Sliding doors provided with a breakaway device shall require no more than 50 lbf (222N) applied 1 inch (25 mm) from the leading edge of the lock stile for the breakout panel to open
Entrapment Force Requirements: Not more than 30 lbf required to prevent stopped door from closing
Operating Range: Minus 30 deg F (Minus 34 deg C) to 130 deg F (54 deg C).
Safety Search Circuitry: Shall be provided which will recycle the doors when an object is encountered during the closing cycle. The circuitry shall search for that object on the next closing cycle by reducing the door speed at the position the object was previously encountered, and will continue to close in check speed until the doors are fully closed, at which time the doors will reset to normal speed. If the obstruction is encountered again, the doors shall come to a full stop. The door shall remain stopped until the obstruction is removed and an operate signal is given, resetting the door to its normal speed.
The doors shall be provided with a "Fail-Secure Electric Carriage Lock" in the header to prevent the doors from sliding in the night mode. This device shall not interfere with emergency breakout function.
The doorway presence-sensing device shall be the BEA Wizard Threshold" by Besam. The sensor shall be factory-installed to the underside of the header. The interior door sensing device shall be disabled (night mode) by a key switch furnished by others and installed by Door Installer/Contractor.

MANUFACTURER	AREAS

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Vendor Name: Besam Assa Abloy Contact Name: Chris Hobbs Phone: (443) 340-2176 Email: chris.hobbs@assaabloy.com	Entrance Vestibule
ALTERNATE MANUFACTURER 2 Vendor Name: Stanley Access Technologies Contact Name: Phone: 8606772861 Email:	
ALTERNATE MANUFACTURER 3 Vendor Name: Horton Automatics Contact Name: Customer Care Phone: (800) 531-3111 Email: hortoncustomercare@overheaddoor. com	
ALTERNATE MANUFACTURER 4 Vendor Name: Record Contact Name: Phone: 7042899212 Email:	

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-001-A1-HA

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Automatic Entrance Doors, Single Sliding
Item Type	Single-sliding doors
Description	The system shall consist of sliding aluminum doors, sidelights, header, operator, and actuating controls. All components shall be factory assembled in the header, adjusted and tested.
Manufacturer	Horton Automatics
Model	Series 2003 Belt Drive, Single-Slide - Type 310, Model SO-SX,SX-SO (Exterior) / Type 310, Model SO-SX,SX-SO with optional muntin(Interior)
Dimensions	Medium stile (4") with intermediate 4-inch muntin 10-inch bottom rail
Color	Clear Anodized or to match Clear Anodized, refer to notes
Finish	Refer to Notes
Material Composition	Aluminum, ASTM B221, 6063-T6 alloy and temper.
CSI #	084229 - Automatic Entrances
Omniclass #	22-084229 Automatic Entrances
Operation	Electronic automatic, single-sliding directional operation. In compliance with NFPA 101, the sliding door panels shall allow “breakout” to the full open position to provide instant egress at any point in the door’s movement. Break-out feature shall comply with requirements of Authorities Having Jurisdiction. To allow safe egress, automatic operation shall be discontinued when the sliding panel is in the “breakout” mode. Doors and sidelights shall be sized to prevent pinch points at meeting stiles.
Best Practices	Recycled content of aluminum.
Quality Standards	ANSI/BHMA A156.10, "American National Standard for Power Operated Pedestrian Doors." UL 325 Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems.
Accessibility Compliance	All door openings shall comply with ADA Chapter 4 Entrances, Doors, and Gates/ANSI A117.1.
Accessories	Hardware for emergency breakaway function: Arms and bottom pivot assemblies supplied by the manufacturer, adjustable to comply with applicable codes. Electrified slide lock shall automatically lock all sliding door panels when the door panels are in the closed position. Fail-secure carriage lock. Weather-stripping shall be slide-in type, replaceable pile mohair seals retained by aluminum extrusions. Card reader (Refer to Door Hardware Schedule) will be mounted on vestibule side of interior unit. Manufacturer’s standard one-piece extruded aluminum header with a replaceable aluminum track extending full width of entrance unit. Combination

	Activation Motion Sensor/Safety Presence Sensor. Manufacturer's standard sign: red background with 1-inch high contrasting letters with the words "IN EMERGENCY PUSH TO OPEN." Door Panels: 1/4" tempered, clear glass. Sidelite panels: 5/8" insulated. As recommended by the storefront framing manufacturer for applications indicated.
Warranty	System Warranty: 2 years Finish Warranty: Refer to Notes
Notes	Maintenance Period: 12 months following date of Substantial Completion. Finish Options: 1. Powder Coat Systems: a. Non-Florida or Non-Coastal Projects require powder coat polyester complying with AAMA 2604, 10-year warranty. Color PPG-PCTT2314 (Enviracon 4). b. For Florida and other coastal region projects, use 100% FEVE resin powder coating complying with AAMA 2605 with 20-year warranty. Color PPG PCNT23118 (Coraflon). 2. Liquid-applied systems: a. Use 2-coat, 50% PVDF resin system complying with AAMA 2604, 10-year warranty. Color PPG-UC110423F (Acrynar). b. For Florida and coastal regions, use 2-coat, 70% PVDF resin system complying with AAMA 2605 with 20-year warranty. Color PPG UC110423F (Duranar). 3. Anodized Finish Systems: a. Electrolytically Deposited Anodic Coating, Class 1, Designation AAM12C21A44 conforming to AAMA 611 with 10-year warranty.

SPECIAL INSTRUCTIONS

Opening force: Sliding doors provided with a breakaway device shall require no more than 50 lbf (222N) applied 1 inch (25 mm) from the leading edge of the lock stile for the breakout panel to open
Entrapment Force Requirements: Not more than 30 lbf required to prevent stopped door from closing
Operating Range: Minus 30 deg F (Minus 34 deg C) to 130 deg F (54 deg C).
Safety Search Circuitry: Shall be provided which will recycle the doors when an object is encountered during the closing cycle. The circuitry shall search for that object on the next closing cycle by reducing the door speed at the position the object was previously encountered, and will continue to close in check speed until the doors are fully closed, at which time the doors will reset to normal speed. If the obstruction is encountered again, the doors shall come to a full stop. The door shall remain stopped until the obstruction is removed and an operate signal is given, resetting the door to its normal speed.
The doors shall be provided with a "Fail-Secure Electric Carriage Lock" in the header to prevent the doors from sliding in the night mode. This device shall not interfere with emergency breakout function.
The doorway presence-sensing device shall be the "Optional Sensor with added threshold scan" by Horton. The sensor shall be factory-installed to the underside of the header. The interior door sensing device shall be disabled (night mode) by a key switch furnished by others and installed by Door Installer/Contractor.

MANUFACTURER	AREAS

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date: **Nov 23, 2022**

Vendor Name: Horton Automatics Contact Name: Customer Care Phone: (800) 531-3111 Email: hortoncustomercare@overheaddoor. com	Entrance Vestibule
ALTERNATE MANUFACTURER 2 Vendor Name: Stanley Access Technologies Contact Name: Phone: 8606772861 Email:	
ALTERNATE MANUFACTURER 3 Vendor Name: Besam Assa Abloy Contact Name: Chris Hobbs Phone: (443) 340-2176 Email: chris.hobbs@assaabloy.com	
ALTERNATE MANUFACTURER 4 Vendor Name: Record Contact Name: Phone: 7042899212 Email:	

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-001-A1-REC

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Automatic Entrance Doors, Single Sliding
Item Type	Single-sliding doors.
Description	The system shall consist of sliding aluminum doors, sidelights, header, operator, and actuating controls. All components shall be factory assembled in the header, adjusted and tested.
Manufacturer	Record USA
Model	Series 5100, Single-Slide - Model 5104-1 SO-SX or 5105-1 SX-SO (Exterior) / Model _5104-1 SO-SX or 5105-1 SX-SO With Security Package (Interior)
Dimensions	Medium stile (4") with intermediate 4-inch muntin 10-inch bottom rail
Color	Clear Anodized or to match Clear Anodized, refer to notes
Finish	Refer to Notes
Material Composition	Aluminum, ASTM B221, 6063-T6 alloy and temper.
CSI #	084229 - Automatic Entrances
Omniclass #	22-084229 Automatic Entrances
Operation	Electronic automatic, single-sliding directional operation. In compliance with NFPA 101, the sliding door panels shall allow “breakout” to the full open position to provide instant egress at any point in the door’s movement. Break-out feature shall comply with requirements of Authorities Having Jurisdiction. To allow safe egress, automatic operation shall be discontinued when the sliding panel is in the “breakout” mode. Doors and sidelights shall be sized to prevent pinch points at meeting stiles.
Best Practices	Recycled content of aluminum.
Quality Standards	ANSI/BHMA A156.10, "American National Standard for Power Operated Pedestrian Doors." UL 325 Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems.
Accessibility Compliance	All door openings shall comply with ADA Chapter 4 Entrances, Doors, and Gates/ANSI A117.1.
Accessories	Hardware for emergency breakaway function: Arms and bottom pivot assemblies supplied by the manufacturer, adjustable to comply with applicable codes. Electrified slide lock shall automatically lock all sliding door panels when the door panels are in the closed position. Fail-secure carriage lock. Weather-stripping shall be slide-in type, replaceable pile mohair seals retained by aluminum extrusions. Card reader (Refer to Door Hardware Schedule) will be mounted on vestibule side of interior unit. Manufacturer’s standard one-piece extruded aluminum header with a replaceable aluminum track extending full width of entrance unit. Combination

	Activation Motion Sensor/Safety Presence Sensor. Manufacturer's standard sign: red background with 1-inch high contrasting letters with the words "IN EMERGENCY PUSH TO OPEN." Door Panels: 1/4" tempered, clear glass. Sidelite panels: 5/8" insulated. As recommended by the storefront framing manufacturer for applications indicated.
Warranty	System Warranty: 2 years Finish Warranty: Refer to Notes
Notes	Maintenance Period: 12 months following date of Substantial Completion. Finish Options: 1. Powder Coat Systems: a. Non-Florida or Non-Coastal Projects require powder coat polyester complying with AAMA 2604, 10-year warranty. Color PPG-PCTT2314 (Enviracon 4). b. For Florida and other coastal region projects, use 100% FEVE resin powder coating complying with AAMA 2605 with 20-year warranty. Color PPG PCNT23118 (Coraflon). 2. Liquid-applied systems: a. Use 2-coat, 50% PVDF resin system complying with AAMA 2604, 10-year warranty. Color PPG-UC110423F (Acrynar). b. For Florida and coastal regions, use 2-coat, 70% PVDF resin system complying with AAMA 2605 with 20-year warranty. Color PPG UC110423F (Duranar). 3. Anodized Finish Systems: a. Electrolytically Deposited Anodic Coating, Class 1, Designation AAM12C21A44 conforming to AAMA 611 with 10-year warranty.

SPECIAL INSTRUCTIONS

Opening force: Sliding doors provided with a breakaway device shall require no more than 50 lbf (222N) applied 1 inch (25 mm) from the leading edge of the lock stile for the breakout panel to open
Entrapment Force Requirements: Not more than 30 lbf required to prevent stopped door from closing
Operating Range: Minus 30 deg F (Minus 34 deg C) to 130 deg F (54 deg C).
Safety Search Circuitry: Shall be provided which will recycle the doors when an object is encountered during the closing cycle. The circuitry shall search for that object on the next closing cycle by reducing the door speed at the position the object was previously encountered, and will continue to close in check speed until the doors are fully closed, at which time the doors will reset to normal speed. If the obstruction is encountered again, the doors shall come to a full stop. The door shall remain stopped until the obstruction is removed and an operate signal is given, resetting the door to its normal speed.
The doors shall be provided with a "Fail-Secure Electric Carriage Lock" in the header to prevent the doors from sliding in the night mode. This device shall not interfere with emergency breakout function.
The doorway presence-sensing device shall be the manufacturer's standard device. The sensor shall be factory-installed to the underside of the header. The interior door sensing device shall be disabled (night mode) by a key switch furnished by others and installed by Door Installer/Contractor.

MANUFACTURER	AREAS

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Vendor Name: Record Contact Name: Phone: 7042899212 Email:	Entrance Vestibule
ALTERNATE MANUFACTURER 2 Vendor Name: Stanley Access Technologies Contact Name: Phone: 8606772861 Email:	
ALTERNATE MANUFACTURER 3 Vendor Name: Besam Assa Abloy Contact Name: Chris Hobbs Phone: (443) 340-2176 Email: chris.hobbs@assaabloy.com	
ALTERNATE MANUFACTURER 4 Vendor Name: Horton Automatics Contact Name: Customer Care Phone: (800) 531-3111 Email: hortoncustomercare@overheaddoor. com	

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-001-A1-STA

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Automatic Entrance Doors, Single Sliding
Item Type	Automatic sliding doors.
Description	The system shall consist of sliding aluminum doors, sidelights, header, operator, and actuating controls. All components shall be factory assembled in the header, adjusted and tested.
Manufacturer	Stanley Access Technologies
Model	Dura-Glide, Series 3000 Single-Slide - Model 313834 (Exterior) / Model 313834 (Interior)
Dimensions	Medium stile (4") with intermediate 4-inch muntin 10-inch bottom rail; Refer to the Design Guideline Drawings
Color	Clear Anodized or to match Clear Anodized, refer to notes
Finish	Refet to Notes
Material Composition	Aluminum, ASTM B221, 6063-T6 alloy and temper.
CSI #	084229 - Automatic Entrances
Omniclass #	22-084229 Automatic Entrances
Operation	Electronic automatic, single-sliding directional operation. In compliance with NFPA 101, the sliding door panels shall allow “breakout” to the full open position to provide instant egress at any point in the door’s movement. Break-out feature shall comply with requirements of Authorities Having Jurisdiction. To allow safe egress, automatic operation shall be discontinued when the sliding panel is in the “breakout” mode. Doors and sidelights shall be sized to prevent pinch points at meeting stiles.
Best Practices	Recycled content of aluminum.
Quality Standards	ANSI/BHMA A156.10, "American National Standard for Power Operated Pedestrian Doors." UL 325 Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems.
Accessibility Compliance	All door openings shall comply with ADA Chapter 4 Entrances, Doors, and Gates/ANSI A117.1.
Accessories	Hardware for emergency breakaway function: Arms and bottom pivot assemblies supplied by the manufacturer, adjustable to comply with applicable codes. Electrified slide lock shall automatically lock all sliding door panels when the door panels are in the closed position. Fail-secure carriage lock. Weather-stripping shall be slide-in type, replaceable pile mohair seals retained by aluminum extrusions. Card reader (Refer to Door Hardware Schedule) will be mounted on vestibule side of interior unit. Manufacturer’s standard one-piece extruded aluminum header with a replaceable aluminum track extending full width of entrance unit. Combination

	Activation Motion Sensor/Safety Presence Sensor. Manufacturer's standard sign: red background with 1-inch high contrasting letters with the words "IN EMERGENCY PUSH TO OPEN." Door Panels: 1/4" tempered, clear glass. Sidelite panels: 5/8" insulated. As recommended by the storefront framing manufacturer for applications indicated.
Warranty	System Warranty: 2 years Finish Warranty: Refer to Notes
Notes	Maintenance Period: 12 months following date of Substantial Completion. Finish Options: 1. Powder Coat Systems: a. Non-Florida or Non-Coastal Projects require powder coat polyester complying with AAMA 2604, 10-year warranty. Color PPG-PCTT2314 (Enviracon 4). b. For Florida and other coastal region projects, use 100% FEVE resin powder coating complying with AAMA 2605 with 20-year warranty. Color PPG PCNT23118 (Coraflon). 2. Liquid-applied systems: a. Use 2-coat, 50% PVDF resin system complying with AAMA 2604, 10-year warranty. Color PPG-UC110423F (Acrynar). b. For Florida and coastal regions, use 2-coat, 70% PVDF resin system complying with AAMA 2605 with 20-year warranty. Color PPG UC110423F (Duranar). 3. Anodized Finish Systems: a. Electrolytically Deposited Anodic Coating, Class 1, Designation AAM12C21A44 conforming to AAMA 611 with 10-year warranty.

SPECIAL INSTRUCTIONS

Opening force: Sliding doors provided with a breakaway device shall require no more than 50 lbf (222N) applied 1 inch (25 mm) from the leading edge of the lock stile for the breakout panel to open
Entrapment Force Requirements: Not more than 30 lbf required to prevent stopped door from closing
Operating Range: Minus 30 deg F (Minus 34 deg C) to 130 deg F (54 deg C).
Safety Search Circuitry: Shall be provided which will recycle the doors when an object is encountered during the closing cycle. The circuitry shall search for that object on the next closing cycle by reducing the door speed at the position the object was previously encountered, and will continue to close in check speed until the doors are fully closed, at which time the doors will reset to normal speed. If the obstruction is encountered again, the doors shall come to a full stop. The door shall remain stopped until the obstruction is removed and an operate signal is given, resetting the door to its normal speed.
The doors shall be provided with a "Fail-Secure Electric Carriage Lock" in the header to prevent the doors from sliding in the night mode. This device shall not interfere with emergency breakout function.
The doorway presence-sensing device shall be the “STAN-GUARD Threshold Sensor” by Stanley. The sensor shall be factory-installed to the underside of the header. The interior door sensing device shall be disabled (night mode) by a key switch furnished by others and installed by Door Installer/Contractor.

MANUFACTURER	AREAS

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Vendor Name: Stanley Access Technologies Contact Name: Phone: 8606772861 Email:	Entrance Vestibule
ALTERNATE MANUFACTURER 2 Vendor Name: Besam Assa Abloy Contact Name: Chris Hobbs Phone: (443) 340-2176 Email: chris.hobbs@assaabloy.com	
ALTERNATE MANUFACTURER 3 Vendor Name: Horton Automatics Contact Name: Customer Care Phone: (800) 531-3111 Email: hortoncustomercare@overheaddoor. com	
ALTERNATE MANUFACTURER 4 Vendor Name: Record Contact Name: Phone: 7042899212 Email:	

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-001-A2-BE

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Automatic Entrance Doors, Single Sliding
Item Type	Single-sliding doors.
Description	The system shall consist of sliding aluminum doors, sidelights, header, operator, and actuating controls. All components shall be factory assembled in the header, adjusted and tested.
Manufacturer	Besam (Assa Abloy)
Model	Unislide OHC Series, Single-Slide - Unislide OC-S (Exterior) / Type 310, Unislide OC-A" with Access Control Package (Interior)
Dimensions	Medium stile (4") with intermediate 4-inch muntin 10-inch bottom rail
Color	To Match PPG Bone White, refer to Notes
Finish	Refer to Notes
Material Composition	Aluminum, ASTM B221, 6063-T6 alloy and temper.
CSI #	084229 - Automatic Entrances
Omniclass #	22-084229 Automatic Entrances
Operation	Electronic automatic, single-sliding directional operation. In compliance with NFPA 101, the sliding door panels shall allow “breakout” to the full open position to provide instant egress at any point in the door’s movement. Break-out feature shall comply with requirements of Authorities Having Jurisdiction. To allow safe egress, automatic operation shall be discontinued when the sliding panel is in the “breakout” mode. Doors and sidelights shall be sized to prevent pinch points at meeting stiles.
Best Practices	Recycled content of aluminum.
Quality Standards	ANSI/BHMA A156.10, "American National Standard for Power Operated Pedestrian Doors." UL 325 Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems.
Accessibility Compliance	All door openings shall comply with ADA Chapter 4 Entrances, Doors, and Gates/ANSI A117.1.
Accessories	Hardware for emergency breakaway function: Arms and bottom pivot assemblies supplied by the manufacturer, adjustable to comply with applicable codes. Electrified slide lock shall automatically lock all sliding door panels when the door panels are in the closed position. Fail-secure carriage lock. Weather-stripping shall be slide-in type, replaceable pile mohair seals retained by aluminum extrusions. Card reader (Refer to Door Hardware Schedule) will be mounted on vestibule side of interior unit. Manufacturer’s standard one-piece extruded aluminum header with a replaceable aluminum track extending full width of entrance unit. Combination Activation Motion Sensor/Safety Presence Sensor.

	Manufacturer's standard sign: red background with 1-inch high contrasting letters with the words "IN EMERGENCY PUSH TO OPEN." Door Panels: 1/4" tempered, clear glass. Sidelite panels: 5/8" insulated. As recommended by the storefront framing manufacturer for applications indicated.
Warranty	System Warranty: 2 years Finish Warranty: Refer to Notes
Notes	Maintenance Period: 12 months following date of Substantial Completion. Finish Options & Colors: 1. Powder Coat Systems: a. Non-Florida or Non-Coastal Projects require powder coat polyester complying with AAMA 2604, 10-year warranty. Color PPG-PCTT2314 (Enviracon 4). b. For Florida and other coastal region projects, use 100% FEVE resin powder coating complying with AAMA 2605 with 20-year warranty. Color PPG-PCNT88101 (Coraflon). 2. Liquid-applied systems: a. Use 2-coat, 50% PVDF resin system complying with AAMA 2604, 10-year warranty. Color PPG-UC43350 (Acrynar). b. For Florida and coastal regions, use 2-coat, 70% PVDF resin system complying with AAMA 2605 with 20-year warranty. Color PPG-UC43350 (Duranar). 3. Anodized Finish Systems: a. Electrolytically Deposited Anodic Coating, Class 1, Designation AAM12C21A44 conforming to AAMA 611 with 10-year warranty.

SPECIAL INSTRUCTIONS

Opening force: Sliding doors provided with a breakaway device shall require no more than 50 lbf (222N) applied 1 inch (25 mm) from the leading edge of the lock stile for the breakout panel to open
Entrapment Force Requirements: Not more than 30 lbf required to prevent stopped door from closing
Operating Range: Minus 30 deg F (Minus 34 deg C) to 130 deg F (54 deg C).
Safety Search Circuitry: Shall be provided which will recycle the doors when an object is encountered during the closing cycle. The circuitry shall search for that object on the next closing cycle by reducing the door speed at the position the object was previously encountered, and will continue to close in check speed until the doors are fully closed, at which time the doors will reset to normal speed. If the obstruction is encountered again, the doors shall come to a full stop. The door shall remain stopped until the obstruction is removed and an operate signal is given, resetting the door to its normal speed.
The doors shall be provided with a "Fail-Secure Electric Carriage Lock" in the header to prevent the doors from sliding in the night mode. This device shall not interfere with emergency breakout function.
The doorway presence-sensing device shall be the BEA Wizard Threshold" by Besam. The sensor shall be factory-installed to the underside of the header. The interior door sensing device shall be disabled (night mode) by a key switch furnished by others and installed by Door Installer/Contractor.

MANUFACTURER	AREAS
Vendor Name: Besam Assa Abloy	Entrance Vestibule

Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 2

Vendor Name: Stanley Access Technologies
Contact Name:
Phone: 8606772861
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Horton Automatics
Contact Name: Customer Care
Phone: (800) 531-3111
Email: hortoncustomercare@overheaddoor. com

ALTERNATE MANUFACTURER 4

Vendor Name: Record
Contact Name:
Phone: 7042899212
Email:

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-001-A2-HA

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
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Item Name	Automatic Entrance Doors, Single Sliding
Item Type	Single-sliding doors
Description	The system shall consist of sliding aluminum doors, sidelights, header, operator, and actuating controls. All components shall be factory assembled in the header, adjusted and tested.
Manufacturer	Horton Automatics
Model	Series 2003 Belt Drive, Single-Slide - Type 310, Model SO-SX,SX-SO (Exterior) / Type 310, Model SO-SX,SX-SO with optional muntin(Interior)
Dimensions	Medium stile (4") with intermediate 4-inch muntin 10-inch bottom rail
Color	To Match PPG Bone White, refer to Notes
Finish	Refer to Notes
Material Composition	Aluminum, ASTM B221, 6063-T6 alloy and temper.
CSI #	084229 - Automatic Entrances
Omniclass #	22-084229 Automatic Entrances
Operation	Electronic automatic, single-sliding directional operation. In compliance with NFPA 101, the sliding door panels shall allow “breakout” to the full open position to provide instant egress at any point in the door’s movement. Break-out feature shall comply with requirements of Authorities Having Jurisdiction. To allow safe egress, automatic operation shall be discontinued when the sliding panel is in the “breakout” mode. Doors and sidelights shall be sized to prevent pinch points at meeting stiles.
Best Practices	Recycled content of aluminum.
Quality Standards	ANSI/BHMA A156.10, "American National Standard for Power Operated Pedestrian Doors." UL 325 Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems.
Accessibility Compliance	All door openings shall comply with ADA Chapter 4 Entrances, Doors, and Gates/ANSI A117.1.
Accessories	Hardware for emergency breakaway function: Arms and bottom pivot assemblies supplied by the manufacturer, adjustable to comply with applicable codes. Electrified slide lock shall automatically lock all sliding door panels when the door panels are in the closed position. Fail-secure carriage lock. Weather-stripping shall be slide-in type, replaceable pile mohair seals retained by aluminum extrusions. Card reader (Refer to Door Hardware Schedule) will be mounted on vestibule side of interior unit. Manufacturer’s standard one-piece extruded aluminum header with a replaceable aluminum track extending full width of entrance unit. Combination Activation Motion Sensor/Safety Presence Sensor.

	Manufacturer's standard sign: red background with 1-inch high contrasting letters with the words "IN EMERGENCY PUSH TO OPEN." Door Panels: 1/4" tempered, clear glass. Sidelite panels: 5/8" insulated. As recommended by the storefront framing manufacturer for applications indicated.
Warranty	System Warranty: 2 years Finish Warranty: Refer to Notes
Notes	Maintenance Period: 12 months following date of Substantial Completion. Finish Options & Colors: 1. Powder Coat Systems: a. Non-Florida or Non-Coastal Projects require powder coat polyester complying with AAMA 2604, 10-year warranty. Color PPG-PCTT2314 (Enviracon 4). b. For Florida and other coastal region projects, use 100% FEVE resin powder coating complying with AAMA 2605 with 20-year warranty. Color PPG-PCNT88101 (Coraflon). 2. Liquid-applied systems: a. Use 2-coat, 50% PVDF resin system complying with AAMA 2604, 10-year warranty. Color PPG-UC43350 (Acrynar). b. For Florida and coastal regions, use 2-coat, 70% PVDF resin system complying with AAMA 2605 with 20-year warranty. Color PPG-UC43350 (Duranar). 3. Anodized Finish Systems: a. Electrolytically Deposited Anodic Coating, Class 1, Designation AAM12C21A44 conforming to AAMA 611 with 10-year warranty.

SPECIAL INSTRUCTIONS

Opening force: Sliding doors provided with a breakaway device shall require no more than 50 lbf (222N) applied 1 inch (25 mm) from the leading edge of the lock stile for the breakout panel to open
Entrapment Force Requirements: Not more than 30 lbf required to prevent stopped door from closing
Operating Range: Minus 30 deg F (Minus 34 deg C) to 130 deg F (54 deg C).
Safety Search Circuitry: Shall be provided which will recycle the doors when an object is encountered during the closing cycle. The circuitry shall search for that object on the next closing cycle by reducing the door speed at the position the object was previously encountered, and will continue to close in check speed until the doors are fully closed, at which time the doors will reset to normal speed. If the obstruction is encountered again, the doors shall come to a full stop. The door shall remain stopped until the obstruction is removed and an operate signal is given, resetting the door to its normal speed.
The doors shall be provided with a "Fail-Secure Electric Carriage Lock" in the header to prevent the doors from sliding in the night mode. This device shall not interfere with emergency breakout function.
The doorway presence-sensing device shall be the "Optional Sensor with added threshold scan" by Horton. The sensor shall be factory-installed to the underside of the header. The interior door sensing device shall be disabled (night mode) by a key switch furnished by others and installed by Door Installer/Contractor.

MANUFACTURER	AREAS
Vendor Name: Horton Automatics	Entrance Vestibule

Contact Name: Customer Care
Phone: (800) 531-3111
Email: hortoncustomercare@overheaddoor. com

ALTERNATE MANUFACTURER 2

Vendor Name: Stanley Access Technologies
Contact Name:
Phone: 8606772861
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Besam Assa Abloy
Contact Name: Chris Hobbs
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Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 4

Vendor Name: Record
Contact Name:
Phone: 7042899212
Email:

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-001-A2-REC

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Automatic Entrance Doors, Single Sliding
Item Type	Single-sliding doors.
Description	The system shall consist of sliding aluminum doors, sidelights, header, operator, and actuating controls. All components shall be factory assembled in the header, adjusted and tested.
Manufacturer	Record USA
Model	Series 5100, Single-Slide - Model 5104-1 SO-SX or 5105-1 SX-SO (Exterior) / Model _5104-1 SO-SX or 5105-1 SX-SO With Security Package (Interior)
Dimensions	Medium stile (4") with intermediate 4-inch muntin 10-inch bottom rail
Color	To Match PPG Bone White, refer to Notes
Finish	Refer to Notes
Material Composition	Aluminum, ASTM B221, 6063-T6 alloy and temper.
CSI #	084229 - Automatic Entrances
Omniclass #	22-084229 Automatic Entrances
Operation	Electronic automatic, single-sliding directional operation. In compliance with NFPA 101, the sliding door panels shall allow “breakout” to the full open position to provide instant egress at any point in the door’s movement. Break-out feature shall comply with requirements of Authorities Having Jurisdiction. To allow safe egress, automatic operation shall be discontinued when the sliding panel is in the “breakout” mode. Doors and sidelights shall be sized to prevent pinch points at meeting stiles.
Best Practices	Recycled content of aluminum.
Quality Standards	ANSI/BHMA A156.10, "American National Standard for Power Operated Pedestrian Doors." UL 325 Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems.
Accessibility Compliance	All door openings shall comply with ADA Chapter 4 Entrances, Doors, and Gates/ANSI A117.1.
Accessories	Hardware for emergency breakaway function: Arms and bottom pivot assemblies supplied by the manufacturer, adjustable to comply with applicable codes. Electrified slide lock shall automatically lock all sliding door panels when the door panels are in the closed position. Fail-secure carriage lock. Weather-stripping shall be slide-in type, replaceable pile mohair seals retained by aluminum extrusions. Card reader (Refer to Door Hardware Schedule) will be mounted on vestibule side of interior unit. Manufacturer’s standard one-piece extruded aluminum header with a replaceable aluminum track extending full width of entrance unit. Combination Activation Motion Sensor/Safety Presence Sensor.

	Manufacturer's standard sign: red background with 1-inch high contrasting letters with the words "IN EMERGENCY PUSH TO OPEN." Door Panels: 1/4" tempered, clear glass. Sidelite panels: 5/8" insulated. As recommended by the storefront framing manufacturer for applications indicated.
Warranty	System Warranty: 2 years Finish Warranty: Refer to Notes
Notes	Maintenance Period: 12 months following date of Substantial Completion. Finish Options & Colors: 1. Powder Coat Systems: a. Non-Florida or Non-Coastal Projects require powder coat polyester complying with AAMA 2604, 10-year warranty. Color PPG-PCTT2314 (Enviracon 4). b. For Florida and other coastal region projects, use 100% FEVE resin powder coating complying with AAMA 2605 with 20-year warranty. Color PPG-PCNT88101 (Coraflon). 2. Liquid-applied systems: a. Use 2-coat, 50% PVDF resin system complying with AAMA 2604, 10-year warranty. Color PPG-UC43350 (Acrynar). b. For Florida and coastal regions, use 2-coat, 70% PVDF resin system complying with AAMA 2605 with 20-year warranty. Color PPG-UC43350 (Duranar). 3. Anodized Finish Systems: a. Electrolytically Deposited Anodic Coating, Class 1, Designation AAM12C21A44 conforming to AAMA 611 with 10-year warranty.

SPECIAL INSTRUCTIONS

Opening force: Sliding doors provided with a breakaway device shall require no more than 50 lbf (222N) applied 1 inch (25 mm) from the leading edge of the lock stile for the breakout panel to open
Entrapment Force Requirements: Not more than 30 lbf required to prevent stopped door from closing
Operating Range: Minus 30 deg F (Minus 34 deg C) to 130 deg F (54 deg C).
Safety Search Circuitry: Shall be provided which will recycle the doors when an object is encountered during the closing cycle. The circuitry shall search for that object on the next closing cycle by reducing the door speed at the position the object was previously encountered, and will continue to close in check speed until the doors are fully closed, at which time the doors will reset to normal speed. If the obstruction is encountered again, the doors shall come to a full stop. The door shall remain stopped until the obstruction is removed and an operate signal is given, resetting the door to its normal speed.
The doors shall be provided with a "Fail-Secure Electric Carriage Lock" in the header to prevent the doors from sliding in the night mode. This device shall not interfere with emergency breakout function.
The doorway presence-sensing device shall be the manufacturer's standard device. The sensor shall be factory-installed to the underside of the header. The interior door sensing device shall be disabled (night mode) by a key switch furnished by others and installed by Door Installer/Contractor.

MANUFACTURER	AREAS
Vendor Name: Record	Entrance Vestibule

Contact Name:
Phone: 7042899212
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Stanley Access Technologies
Contact Name:
Phone: 8606772861
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ALTERNATE MANUFACTURER 3

Vendor Name: Besam Assa Abloy
Contact Name: Chris Hobbs
Phone: (443) 340-2176
Email: chris.hobbs@assaabloy.com

ALTERNATE MANUFACTURER 4

Vendor Name: Horton Automatics
Contact Name: Customer Care
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Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-001-A2-STA

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Automatic Entrance Doors, Single Sliding
Item Type	Automatic sliding doors.
Description	The system shall consist of sliding aluminum doors, sidelights, header, operator, and actuating controls. All components shall be factory assembled in the header, adjusted and tested.
Manufacturer	Stanley Access Technologies
Model	Dura-Glide, Series 3000 Single-Slide - Model 313834 (Exterior) / Model 313834 (Interior)
Dimensions	Medium stile (4") with intermediate 4-inch muntin 10-inch bottom rail; Refer to the Design Guideline Drawings
Color	To Match PPG Bone White, refer to Notes
Finish	Refet to Notes
Material Composition	Aluminum, ASTM B221, 6063-T6 alloy and temper.
CSI #	084229 - Automatic Entrances
Omniclass #	22-084229 Automatic Entrances
Operation	Electronic automatic, single-sliding directional operation. In compliance with NFPA 101, the sliding door panels shall allow “breakout” to the full open position to provide instant egress at any point in the door’s movement. Break-out feature shall comply with requirements of Authorities Having Jurisdiction. To allow safe egress, automatic operation shall be discontinued when the sliding panel is in the “breakout” mode. Doors and sidelights shall be sized to prevent pinch points at meeting stiles.
Best Practices	Recycled content of aluminum.
Quality Standards	ANSI/BHMA A156.10, "American National Standard for Power Operated Pedestrian Doors." UL 325 Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems.
Accessibility Compliance	All door openings shall comply with ADA Chapter 4 Entrances, Doors, and Gates/ANSI A117.1.
Accessories	Hardware for emergency breakaway function: Arms and bottom pivot assemblies supplied by the manufacturer, adjustable to comply with applicable codes. Electrified slide lock shall automatically lock all sliding door panels when the door panels are in the closed position. Fail-secure carriage lock. Weather-stripping shall be slide-in type, replaceable pile mohair seals retained by aluminum extrusions. Card reader (Refer to Door Hardware Schedule) will be mounted on vestibule side of interior unit. Manufacturer’s standard one-piece extruded aluminum header with a replaceable aluminum track extending full width of entrance unit. Combination Activation Motion Sensor/Safety Presence Sensor.

	Manufacturer's standard sign: red background with 1-inch high contrasting letters with the words "IN EMERGENCY PUSH TO OPEN." Door Panels: 1/4" tempered, clear glass. Sidelite panels: 5/8" insulated. As recommended by the storefront framing manufacturer for applications indicated.
Warranty	System Warranty: 2 years Finish Warranty: Refer to Notes
Notes	Maintenance Period: 12 months following date of Substantial Completion. Product Data Web Link: https://tinyurl.com/2uxmu25e Finish Options & Colors: 1. Powder Coat Systems: a. Non-Florida or Non-Coastal Projects require powder coat polyester complying with AAMA 2604, 10-year warranty. Color PPG-PCTT2314 (Enviracon 4). b. For Florida and other coastal region projects, use 100% FEVE resin powder coating complying with AAMA 2605 with 20-year warranty. Color PPG-PCNT88101 (Coraflon). 2. Liquid-applied systems: a. Use 2-coat, 50% PVDF resin system complying with AAMA 2604, 10-year warranty. Color PPG-UC43350 (Acrynar). b. For Florida and coastal regions, use 2-coat, 70% PVDF resin system complying with AAMA 2605 with 20-year warranty. Color PPG-UC43350 (Duranar). 3. Anodized Finish Systems: a. Electrolytically Deposited Anodic Coating, Class 1, Designation AAM12C21A44 conforming to AAMA 611 with 10-year warranty.

SPECIAL INSTRUCTIONS

Opening force: Sliding doors provided with a breakaway device shall require no more than 50 lbf (222N) applied 1 inch (25 mm) from the leading edge of the lock stile for the breakout panel to open
Entrapment Force Requirements: Not more than 30 lbf required to prevent stopped door from closing
Operating Range: Minus 30 deg F (Minus 34 deg C) to 130 deg F (54 deg C).
Safety Search Circuitry: Shall be provided which will recycle the doors when an object is encountered during the closing cycle. The circuitry shall search for that object on the next closing cycle by reducing the door speed at the position the object was previously encountered, and will continue to close in check speed until the doors are fully closed, at which time the doors will reset to normal speed. If the obstruction is encountered again, the doors shall come to a full stop. The door shall remain stopped until the obstruction is removed and an operate signal is given, resetting the door to its normal speed.
The doors shall be provided with a "Fail-Secure Electric Carriage Lock" in the header to prevent the doors from sliding in the night mode. This device shall not interfere with emergency breakout function.
The doorway presence-sensing device shall be the “STAN-GUARD Threshold Sensor” by Stanley. The sensor shall be factory-installed to the underside of the header. The interior door sensing device shall be disabled (night mode) by a key switch furnished by others and installed by Door Installer/Contractor.

MANUFACTURER	AREAS

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Vendor Name: Stanley Access Technologies Contact Name: Phone: 8606772861 Email:	Entrance Vestibule
ALTERNATE MANUFACTURER 2 Vendor Name: Besam Assa Abloy Contact Name: Chris Hobbs Phone: (443) 340-2176 Email: chris.hobbs@assaabloy.com	
ALTERNATE MANUFACTURER 3 Vendor Name: Horton Automatics Contact Name: Customer Care Phone: (800) 531-3111 Email: hortoncustomercare@overheaddoor. com	
ALTERNATE MANUFACTURER 4 Vendor Name: Record Contact Name: Phone: 7042899212 Email:	

Automatic Entrance Doors_Grey Color Scheme

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Automatic Entrance Doors, Single Sliding
Item Type	Single-sliding doors
Description	The system shall consist of sliding aluminum doors, sidelights, header, operator, and actuating controls. All components shall be factory assembled in the header, adjusted and tested.
Manufacturer	Besam (Assa Abloy)
Model	Unislide OHC Series, Single-Slide - Unislide OC-S (Exterior) / Type 310, Unislide OC-A" with Access Control Package (Interior)
Dimensions	Medium stile (4") with intermediate 4-inch muntin 10-inch bottom rail
Color	Custom color to match Aluminum Window color and as approved by the Marriott Representative
Finish	Refer to Notes
Material Composition	Aluminum, ASTM B221, 6063-T6 alloy and temper.
CSI #	084229 - Automatic Entrances
Omniclass #	22-084229 Automatic Entrances
Operation	Electronic automatic, single-sliding directional operation. In compliance with NFPA 101, the sliding door panels shall allow “breakout” to the full open position to provide instant egress at any point in the door’s movement. Break-out feature shall comply with requirements of Authorities Having Jurisdiction. To allow safe egress, automatic operation shall be discontinued when the sliding panel is in the “breakout” mode. Doors and sidelights shall be sized to prevent pinch points at meeting stiles.
Best Practices	Recycled content of aluminum.
Quality Standards	ANSI/BHMA A156.10, "American National Standard for Power Operated Pedestrian Doors." UL 325 Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems.
Accessibility Compliance	All door openings shall comply with ADA Chapter 4 Entrances, Doors, and Gates/ANSI A117.1.
Accessories	Hardware for emergency breakaway function: Arms and bottom pivot assemblies supplied by the manufacturer, adjustable to comply with applicable codes. Electrified slide lock shall automatically lock all sliding door panels when the door panels are in the closed position. Fail-secure carriage lock. Weather-stripping shall be slide-in type, replaceable pile mohair seals retained by aluminum extrusions. Card reader (Refer to Door Hardware Schedule) will be mounted on vestibule side of interior unit. Manufacturer’s standard one-piece extruded aluminum header with a replaceable aluminum track extending full width of entrance unit. Combination

IMAGE NOT AVAILABLE

	Activation Motion Sensor/Safety Presence Sensor. Manufacturer's standard sign: red background with 1-inch high contrasting letters with the words "IN EMERGENCY PUSH TO OPEN." Door Panels: 1/4" tempered, clear glass. Sidelite panels: 5/8" insulated. As recommended by the storefront framing manufacturer for applications indicated.
Warranty	System Warranty: 2 years Finish Warranty: Refer to Notes
Notes	Maintenance Period: 12 months following date of Substantial Completion. Finish Options & Colors: 1. Powder Coat Systems: a. Non-Florida or Non-Coastal Projects require powder coat polyester complying with AAMA 2604, 10-year warranty. Color PPG-PCTT2314 (Enviracon 4). b. For Florida and other coastal region projects, use 100% FEVE resin powder coating complying with AAMA 2605 with 20-year warranty. Color PPG-PCNT88101 (Coraflon). 2. Liquid-applied systems: a. Use 2-coat, 50% PVDF resin system complying with AAMA 2604, 10-year warranty. Color PPG-UC43350 (Acrynar). b. For Florida and coastal regions, use 2-coat, 70% PVDF resin system complying with AAMA 2605 with 20-year warranty. Color PPG-UC43350 (Duranar). 3. Anodized Finish Systems: a. Electrolytically Deposited Anodic Coating, Class 1, Designation AAM12C21A44 conforming to AAMA 611 with 10-year warranty.

SPECIAL INSTRUCTIONS

Opening force: Sliding doors provided with a breakaway device shall require no more than 50 lbf (222N) applied 1 inch (25 mm) from the leading edge of the lock stile for the breakout panel to open
Entrapment Force Requirements: Not more than 30 lbf required to prevent stopped door from closing
Operating Range: Minus 30 deg F (Minus 34 deg C) to 130 deg F (54 deg C).
Safety Search Circuitry: Shall be provided which will recycle the doors when an object is encountered during the closing cycle. The circuitry shall search for that object on the next closing cycle by reducing the door speed at the position the object was previously encountered, and will continue to close in check speed until the doors are fully closed, at which time the doors will reset to normal speed. If the obstruction is encountered again, the doors shall come to a full stop. The door shall remain stopped until the obstruction is removed and an operate signal is given, resetting the door to its normal speed.
The doors shall be provided with a "Fail-Secure Electric Carriage Lock" in the header to prevent the doors from sliding in the night mode. This device shall not interfere with emergency breakout function.
The doorway presence-sensing device shall be the BEA Wizard Threshold" by Besam. The sensor shall be factory-installed to the underside of the header. The interior door sensing device shall be disabled (night mode) by a key switch furnished by others and installed by Door Installer/Contractor.

MANUFACTURER	AREAS

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Vendor Name: Besam Assa Abloy Contact Name: Chris Hobbs Phone: (443) 340-2176 Email: chris.hobbs@assaabloy.com	Entrance Vestibule
ALTERNATE MANUFACTURER 2 Vendor Name: Stanley Access Technologies Contact Name: Phone: 8606772861 Email:	
ALTERNATE MANUFACTURER 3 Vendor Name: Horton Automatics Contact Name: Customer Care Phone: (800) 531-3111 Email: hortoncustomercare@overheaddoor. com	
ALTERNATE MANUFACTURER 4 Vendor Name: Record Contact Name: Phone: 7042899212 Email:	

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-001-HA

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Automatic Entrance Doors, Single Sliding
Item Type	Single-sliding doors
Description	The system shall consist of sliding aluminum doors, sidelights, header, operator, and actuating controls. All components shall be factory assembled in the header, adjusted and tested.
Manufacturer	Horton Automatics
Model	Series 2003 Belt Drive, Single-Slide - Type 310, Model SO-SX,SX-SO (Exterior) / Type 310, Model SO-SX,SX-SO with optional muntin(Interior)
Dimensions	Medium stile (4") with intermediate 4-inch muntin 10-inch bottom rail
Color	Custom color to match Aluminum Window color and as approved by the Marriott Representative
Finish	Refer to Notes
Material Composition	Aluminum, ASTM B221, 6063-T6 alloy and temper.
CSI #	084229 - Automatic Entrances
Omniclass #	22-084229 Automatic Entrances
Operation	Electronic automatic, single-sliding directional operation. In compliance with NFPA 101, the sliding door panels shall allow “breakout” to the full open position to provide instant egress at any point in the door’s movement. Break-out feature shall comply with requirements of Authorities Having Jurisdiction. To allow safe egress, automatic operation shall be discontinued when the sliding panel is in the “breakout” mode. Doors and sidelights shall be sized to prevent pinch points at meeting stiles.
Best Practices	Recycled content of aluminum.
Quality Standards	ANSI/BHMA A156.10, "American National Standard for Power Operated Pedestrian Doors." UL 325 Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems.
Accessibility Compliance	All door openings shall comply with ADA Chapter 4 Entrances, Doors, and Gates/ANSI A117.1.
Accessories	Hardware for emergency breakaway function: Arms and bottom pivot assemblies supplied by the manufacturer, adjustable to comply with applicable codes. Electrified slide lock shall automatically lock all sliding door panels when the door panels are in the closed position. Fail-secure carriage lock. Weather-stripping shall be slide-in type, replaceable pile mohair seals retained by aluminum extrusions. Card reader (Refer to Door Hardware Schedule) will be mounted on vestibule side of interior unit. Manufacturer’s standard one-piece extruded aluminum header with a replaceable aluminum track extending full width of entrance unit. Combination

IMAGE NOT AVAILABLE

	Activation Motion Sensor/Safety Presence Sensor. Manufacturer's standard sign: red background with 1-inch high contrasting letters with the words "IN EMERGENCY PUSH TO OPEN." Door Panels: 1/4" tempered, clear glass. Sidelite panels: 5/8" insulated. As recommended by the storefront framing manufacturer for applications indicated.
Warranty	System Warranty: 2 years Finish Warranty: Refer to Notes
Notes	Maintenance Period: 12 months following date of Substantial Completion. Finish Options & Colors: 1. Powder Coat Systems: a. Non-Florida or Non-Coastal Projects require powder coat polyester complying with AAMA 2604, 10-year warranty. Color PPG-PCTT2314 (Enviracon 4). b. For Florida and other coastal region projects, use 100% FEVE resin powder coating complying with AAMA 2605 with 20-year warranty. Color PPG-PCNT88101 (Coraflon). 2. Liquid-applied systems: a. Use 2-coat, 50% PVDF resin system complying with AAMA 2604, 10-year warranty. Color PPG-UC43350 (Acrynar). b. For Florida and coastal regions, use 2-coat, 70% PVDF resin system complying with AAMA 2605 with 20-year warranty. Color PPG-UC43350 (Duranar). 3. Anodized Finish Systems: a. Electrolytically Deposited Anodic Coating, Class 1, Designation AAM12C21A44 conforming to AAMA 611 with 10-year warranty.

SPECIAL INSTRUCTIONS

Opening force: Sliding doors provided with a breakaway device shall require no more than 50 lbf (222N) applied 1 inch (25 mm) from the leading edge of the lock stile for the breakout panel to open
Entrapment Force Requirements: Not more than 30 lbf required to prevent stopped door from closing
Operating Range: Minus 30 deg F (Minus 34 deg C) to 130 deg F (54 deg C).
Safety Search Circuitry: Shall be provided which will recycle the doors when an object is encountered during the closing cycle. The circuitry shall search for that object on the next closing cycle by reducing the door speed at the position the object was previously encountered, and will continue to close in check speed until the doors are fully closed, at which time the doors will reset to normal speed. If the obstruction is encountered again, the doors shall come to a full stop. The door shall remain stopped until the obstruction is removed and an operate signal is given, resetting the door to its normal speed.
The doors shall be provided with a "Fail-Secure Electric Carriage Lock" in the header to prevent the doors from sliding in the night mode. This device shall not interfere with emergency breakout function.
The doorway presence-sensing device shall be the "Optional Sensor with added threshold scan" by Horton. The sensor shall be factory-installed to the underside of the header. The interior door sensing device shall be disabled (night mode) by a key switch furnished by others and installed by Door Installer/Contractor.

MANUFACTURER	AREAS

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Vendor Name: Horton Automatics Contact Name: Customer Care Phone: (800) 531-3111 Email: hortoncustomercare@overheaddoor. com	Entrance Vestibule
ALTERNATE MANUFACTURER 2 Vendor Name: Stanley Access Technologies Contact Name: Phone: 8606772861 Email:	
ALTERNATE MANUFACTURER 3 Vendor Name: Besam Assa Abloy Contact Name: Chris Hobbs Phone: (443) 340-2176 Email: chris.hobbs@assaabloy.com	
ALTERNATE MANUFACTURER 4 Vendor Name: Record Contact Name: Phone: 7042899212 Email:	

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Automatic Entrance Doors, Single Sliding
Item Type	Single-sliding doors
Description	The system shall consist of sliding aluminum doors, sidelights, header, operator, and actuating controls. All components shall be factory assembled in the header, adjusted and tested.
Manufacturer	Record USA
Model	Series 5100, Single-Slide - Model 5104-1 SO-SX or 5105-1 SX-SO (Exterior) / Model _5104-1 SO-SX or 5105-1 SX-SO With Security Package (Interior)
Dimensions	Medium stile (4") with intermediate 4-inch muntin 10-inch bottom rail
Color	Custom color to match Aluminum Window color and as approved by the Marriott Representative
Finish	Refer to Notes
Material Composition	Aluminum, ASTM B221, 6063-T6 alloy and temper.
CSI #	084229 - Automatic Entrances
Omniclass #	22-084229 Automatic Entrances
Operation	Electronic automatic, single-sliding directional operation. In compliance with NFPA 101, the sliding door panels shall allow “breakout” to the full open position to provide instant egress at any point in the door’s movement. Break-out feature shall comply with requirements of Authorities Having Jurisdiction. To allow safe egress, automatic operation shall be discontinued when the sliding panel is in the “breakout” mode. Doors and sidelights shall be sized to prevent pinch points at meeting stiles.
Best Practices	Recycled content of aluminum.
Quality Standards	ANSI/BHMA A156.10, "American National Standard for Power Operated Pedestrian Doors." UL 325 Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems.
Accessibility Compliance	All door openings shall comply with ADA Chapter 4 Entrances, Doors, and Gates/ANSI A117.1.
Accessories	Hardware for emergency breakaway function: Arms and bottom pivot assemblies supplied by the manufacturer, adjustable to comply with applicable codes. Electrified slide lock shall automatically lock all sliding door panels when the door panels are in the closed position. Fail-secure carriage lock. Weather-stripping shall be slide-in type, replaceable pile mohair seals retained by aluminum extrusions. Card reader (Refer to Door Hardware Schedule) will be mounted on vestibule side of interior unit. Manufacturer’s standard one-piece extruded aluminum header with a replaceable aluminum track extending full width of entrance unit. Combination

IMAGE NOT AVAILABLE

	Activation Motion Sensor/Safety Presence Sensor. Manufacturer's standard sign: red background with 1-inch high contrasting letters with the words "IN EMERGENCY PUSH TO OPEN." Door Panels: 1/4" tempered, clear glass. Sidelite panels: 5/8" insulated. As recommended by the storefront framing manufacturer for applications indicated.
Warranty	System Warranty: 2 years Finish Warranty: Refer to Notes
Notes	Maintenance Period: 12 months following date of Substantial Completion. Finish Options & Colors: 1. Powder Coat Systems: a. Non-Florida or Non-Coastal Projects require powder coat polyester complying with AAMA 2604, 10-year warranty. Color PPG-PCTT2314 (Enviracon 4). b. For Florida and other coastal region projects, use 100% FEVE resin powder coating complying with AAMA 2605 with 20-year warranty. Color PPG-PCNT88101 (Coraflon). 2. Liquid-applied systems: a. Use 2-coat, 50% PVDF resin system complying with AAMA 2604, 10-year warranty. Color PPG-UC43350 (Acrynar). b. For Florida and coastal regions, use 2-coat, 70% PVDF resin system complying with AAMA 2605 with 20-year warranty. Color PPG-UC43350 (Duranar). 3. Anodized Finish Systems: a. Electrolytically Deposited Anodic Coating, Class 1, Designation AAM12C21A44 conforming to AAMA 611 with 10-year warranty.

SPECIAL INSTRUCTIONS

Opening force: Sliding doors provided with a breakaway device shall require no more than 50 lbf (222N) applied 1 inch (25 mm) from the leading edge of the lock stile for the breakout panel to open
Entrapment Force Requirements: Not more than 30 lbf required to prevent stopped door from closing
Operating Range: Minus 30 deg F (Minus 34 deg C) to 130 deg F (54 deg C).
Safety Search Circuitry: Shall be provided which will recycle the doors when an object is encountered during the closing cycle. The circuitry shall search for that object on the next closing cycle by reducing the door speed at the position the object was previously encountered, and will continue to close in check speed until the doors are fully closed, at which time the doors will reset to normal speed. If the obstruction is encountered again, the doors shall come to a full stop. The door shall remain stopped until the obstruction is removed and an operate signal is given, resetting the door to its normal speed.
The doors shall be provided with a "Fail-Secure Electric Carriage Lock" in the header to prevent the doors from sliding in the night mode. This device shall not interfere with emergency breakout function.
The doorway presence-sensing device shall be the manufacturer's standard device. The sensor shall be factory-installed to the underside of the header. The interior door sensing device shall be disabled (night mode) by a key switch furnished by others and installed by Door Installer/Contractor.

MANUFACTURER	AREAS

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Vendor Name: Record Contact Name: Phone: 7042899212 Email:	Entrance Vestibule
ALTERNATE MANUFACTURER 2 Vendor Name: Stanley Access Technologies Contact Name: Phone: 8606772861 Email:	
ALTERNATE MANUFACTURER 3 Vendor Name: Besam Assa Abloy Contact Name: Chris Hobbs Phone: (443) 340-2176 Email: chris.hobbs@assaabloy.com	
ALTERNATE MANUFACTURER 4 Vendor Name: Horton Automatics Contact Name: Customer Care Phone: (800) 531-3111 Email: hortoncustomercare@overheaddoor. com	

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

DR-001-STA

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Automatic Entrance Doors, Single Sliding
Item Type	Automatic sliding doors
Description	The system shall consist of sliding aluminum doors, sidelights, header, operator, and actuating controls. All components shall be factory assembled in the header, adjusted and tested.
Manufacturer	Stanley Access Technologies
Model	Dura-Glide, Series 3000 Single-Slide - Model 313834 (Exterior) / Model 313834 (Interior)
Dimensions	Medium stile (4") with intermediate 4-inch muntin 10-inch bottom rail; Refer to the Design Guideline Drawings
Color	Custom color to match Aluminum Window color and as approved by the Marriott Representative
Finish	Refer to Notes
Material Composition	Aluminum, ASTM B221, 6063-T6 alloy and temper.
CSI #	084229 - Automatic Entrances
Omniclass #	22-084229 Automatic Entrances
Operation	Electronic automatic, single-sliding directional operation. In compliance with NFPA 101, the sliding door panels shall allow “breakout” to the full open position to provide instant egress at any point in the door’s movement. Break-out feature shall comply with requirements of Authorities Having Jurisdiction. To allow safe egress, automatic operation shall be discontinued when the sliding panel is in the “breakout” mode. Doors and sidelights shall be sized to prevent pinch points at meeting stiles.
Best Practices	Recycled content of aluminum
Quality Standards	ANSI/BHMA A156.10, "American National Standard for Power Operated Pedestrian Doors." UL 325 Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems.
Accessibility Compliance	All door openings shall comply with ADA Chapter 4 Entrances, Doors, and Gates/ANSI A117.1.
Accessories	Hardware for emergency breakaway function: Arms and bottom pivot assemblies supplied by the manufacturer, adjustable to comply with applicable codes. Electrified slide lock shall automatically lock all sliding door panels when the door panels are in the closed position. Fail-secure carriage lock. Weather-stripping shall be slide-in type, replaceable pile mohair seals retained by aluminum extrusions. Card reader (Refer to Door Hardware Schedule) will be mounted on vestibule side of interior unit. Manufacturer’s standard one-piece extruded aluminum header with a replaceable aluminum track extending full width of entrance unit. Combination

IMAGE NOT AVAILABLE

	Activation Motion Sensor/Safety Presence Sensor. Manufacturer's standard sign: red background with 1-inch high contrasting letters with the words "IN EMERGENCY PUSH TO OPEN." Door Panels: 1/4" tempered, clear glass. Sidelite panels: 5/8" insulated. As recommended by the storefront framing manufacturer for applications indicated.
Warranty	System Warranty: 2 years Finish Warranty: Refer to Notes
Notes	Maintenance Period: 12 months following date of Substantial Completion. Finish Options and Colors: 1. Powder Coat Systems: a. Non-Florida or Non-Coastal Projects require powder coat polyester complying with AAMA 2604, 10-year warranty. Color PPG-PCTT2314 (Enviracon 4). b. For Florida and other coastal region projects, use 100% FEVE resin powder coating complying with AAMA 2605 with 20-year warranty. Color PPG-PCNT88101 (Coraflon). 2. Liquid-applied systems: a. Use 2-coat, 50% PVDF resin system complying with AAMA 2604, 10-year warranty. Color PPG-UC43350 (Acrynar). b. For Florida and coastal regions, use 2-coat, 70% PVDF resin system complying with AAMA 2605 with 20-year warranty. Color PPG-UC43350 (Duranar). 3. Anodized Finish Systems: a. Electrolytically Deposited Anodic Coating, Class 1, Designation AAM12C21A44 conforming to AAMA 611 with 10-year warranty.

SPECIAL INSTRUCTIONS

Opening force: Sliding doors provided with a breakaway device shall require no more than 50 lbf (222N) applied 1 inch (25 mm) from the leading edge of the lock stile for the breakout panel to open
Entrapment Force Requirements: Not more than 30 lbf required to prevent stopped door from closing
Operating Range: Minus 30 deg F (Minus 34 deg C) to 130 deg F (54 deg C).
Safety Search Circuitry: Shall be provided which will recycle the doors when an object is encountered during the closing cycle. The circuitry shall search for that object on the next closing cycle by reducing the door speed at the position the object was previously encountered, and will continue to close in check speed until the doors are fully closed, at which time the doors will reset to normal speed. If the obstruction is encountered again, the doors shall come to a full stop. The door shall remain stopped until the obstruction is removed and an operate signal is given, resetting the door to its normal speed.
The doors shall be provided with a "Fail-Secure Electric Carriage Lock" in the header to prevent the doors from sliding in the night mode. This device shall not interfere with emergency breakout function.
The doorway presence-sensing device shall be the “STAN-GUARD Threshold Sensor” by Stanley. The sensor shall be factory-installed to the underside of the header. The interior door sensing device shall be disabled (night mode) by a key switch furnished by others and installed by Door Installer/Contractor.

MANUFACTURER	AREAS

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Vendor Name: Stanley Access Technologies Contact Name: Phone: 8606772861 Email:	Entrance Vestibule
ALTERNATE MANUFACTURER 2 Vendor Name: Besam Assa Abloy Contact Name: Chris Hobbs Phone: (443) 340-2176 Email: chris.hobbs@assaabloy.com	
ALTERNATE MANUFACTURER 3 Vendor Name: Horton Automatics Contact Name: Customer Care Phone: (800) 531-3111 Email: hortoncustomercare@overheaddoor. com	
ALTERNATE MANUFACTURER 4 Vendor Name: Record Contact Name: Phone: 7042899212 Email:	

Aluminum Storefront_Beige Color Scheme

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

AS-001-A1-EF / DR-002-A1-EF

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Glazed Storefront & Entrance Doors
Item Type	Aluminum-Framed Storefront system, thermally-broken
Description	Interior and Exterior Aluminum Storefront Framing, Doors, Door Frames, Lights, and Fixed Windows
Manufacturer	EFCO
Model	Storefront: Series 403, Outside Glazed/Set; Doors: with D500 Wide / D300 Medium/ or D200 Narrow Stile Entrance Doors
Dimensions	Frame: 2" sightline x 4-1/2" depth; Refer to Design Guideline Drawings for Door & Assembly Dimensions
Color	Clear Anodized or to match Clear Anodized, refer to notes
Finish	Refer to Notes
Material Composition	Aluminum extrusions, complying with ASTM B221, 6063-T6 alloy and temper. Glazing as specified below.
CSI #	084113 - Aluminum-Framed Entrances and Storefronts
Omniclass #	22-084113 Aluminum-Framed Entrances and Storefronts
Acoustical Performance	Enhanced OITC and STC Performance available. Comply with the Owner's requirements according to project conditions.
Structural Performance	Design for windload of 30 PSF with maximum deflection in both vertical and horizontal mullions not to exceed 1/175 of span. Water Penetration: ASTM E331 no water penetration at a test pressure of 6.24 PSF. Air Leakage per ASTM E283: Fixed window walls maximum of 0.06 CFM per sq. ft. of total exterior surface areas.
Thermal Performance	System U-factor shall comply with requirements of Authorities Having Jurisdiction.
Operation	NA
Best Practices	Recycled content of aluminum.
Quality Standards	AAMA “Storefront and Entrance Manual”. ANSI/AAMA 101 "Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors"
Accessibility Compliance	Comply with ANSI A117.1 and ADA.
Accessories	Entrance door hardware shall be supplied with doors as follows: Continuous Hinges, 780-112 HD, Hager, Kynar finish, color to match door. Push/Pull, Style “CO-12” by Kawneer, or approved substitution by other listed manufacturer, No. 26 Finish. Closers, surface mounted type, LCN 4041-CUSH, cover to be color to match door. Weather Stripping (3 sides).

	Bottom Sweep .Handicapped Threshold, clear aluminum mill finish. Provide construction cylinder and replace with final cylinder specified in Door Hardware Section within Building Product Manual. Final cylinders, panic devices, electric strikes and card readers by Door Hardware Section within Building Product Manual.
Part of an Assembly	N
Warranty	5 years (Structural). For Finish warranties, refer to notes
Notes	Product Data Web Link: https://tinyurl.com/yy6fpcdf Where required, provide safety glass complying with CPSC 16 CFR Part 1201. Insulating Glass complying with IGCC requirements and as follows: - Total Thickness: 1” - Thickness of Each Pane: 1/4" - Air Space Thickness: 1/2" Glass shall be fully-tempered or laminated where required. Where required, provide safety glass complying with CPSC 16 CFR Part 1201. Low-e coating shall be applied to No. 2 surface. Minimum insulated glass assembly performance: - Visible Light Transmittance (VLT): 70 - Solar Heat Gain Coefficient (SHGC): 0.38 - Light to Solar Gain (LSG) Ratio: 1.85 Sealing System: Manufacturer's Standard Dual Seal as follows: - Desiccant: Molecular Sieve or Silica Gel or Blend of Both. - Spacer Material: Manufacturer's Standard Metal with Anodized Finish. Finish Options: 1. Powder Coat Systems: a. Non-Florida or Non-Coastal Projects require powder coat polyester complying with AAMA 2604, 10-year warranty. Color PPG-PCTT2314 (Enviracon 4). b. For Florida and other coastal region projects, use 100% FEVE resin powder coating complying with AAMA 2605 with 20-year warranty. Color PPG PCNT23118 (Coraflon). 2. Liquid-applied systems: a. Use 2-coat, 50% PVDF resin system complying with AAMA 2604, 10-year warranty. Color PPG-UC110423F (Acrynar). b. For Florida and coastal regions, use 2-coat, 70% PVDF resin system complying with AAMA 2605 with 20-year warranty. Color PPG UC110423F (Duranar). 3. Anodized Finish Systems: a. Electrolytically Deposited Anodic Coating, Class 1, Designation AAM12C21A44 conforming to AAMA 611 with 10-year warranty.

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

AS-001-A1-EF / DR-002-A1-EF

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

SPECIAL INSTRUCTIONS
Interior Storefront color & finish to match the Exterior Storefront

MANUFACTURER

Vendor Name: EFCO Corporation
Contact Name:
Phone: 8002214169
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Kawneer
Contact Name: Ian Cable
Phone: (603) 552-3541
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Oldcastle Building Envelope
Contact Name: Customer Service
Phone: (800) 899-8455
Email:

ALTERNATE MANUFACTURER 4

Vendor Name: YKK AP
Contact Name: Mike Gilbert
Phone: (404) 451-1134
Email:

AREAS

Entrance Vestibule

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

AS-001-A1-KA / DR-002-A1-KA

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Glazed Storefront & Entrance Doors
Item Type	Aluminum-Framed Storefront system, thermally-broken.
Description	Interior and Exterior Aluminum Storefront Framing, Doors, Door Frames, Lights, and Fixed Windows
Manufacturer	Kawneer North America
Model	Storefront: Trifab VersaGlaze 451T, Front Glazed; Doors: 500 Wide / 350 Medium / or 190 Narrow Stile Entrance Doors
Dimensions	Frame: 2" sightline x 4-1/2" depth; Refer to Design Guideline Drawings for Door & Assembly Dimensions
Color	Clear Anodized or to match Clear Anodized, refer to notes
Finish	Refer to Notes
Material Composition	Aluminum extrusions, complying with ASTM B221, 6063-T6 alloy and temper. Glazing as specified below.
CSI #	084113 - Aluminum-Framed Entrances and Storefronts
Omniclass #	22-084113 Aluminum-Framed Entrances and Storefronts
Acoustical Performance	Enhanced OITC and STC Performance available. Comply with the Owner's requirements according to project conditions.
Structural Performance	Design for windload of 30 PSF with maximum deflection in both vertical and horizontal mullions not to exceed 1/175 of span. Water Penetration: ASTM E331 no water penetration at a test pressure of 6.24 PSF. Air Leakage per ASTM E283: Fixed window walls maximum of 0.06 CFM per sq. ft. of total exterior surface areas.
Thermal Performance	System U-factor shall comply with requirements of Authorities Having Jurisdiction.
Operation	NA
Best Practices	Recycled content of aluminum.
Quality Standards	AAMA “Storefront and Entrance Manual”. ANSI/AAMA 101 "Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors"
Accessibility Compliance	Comply with ANSI A117.1 and ADA.
Accessories	Entrance door hardware shall be supplied with doors as follows: Continuous Hinges, 780-112 HD, Hager, Kynar finish, color to match door. Push/Pull, Style “CO-12” by Kawneer, or approved substitution by other listed manufacturer, No. 26 Finish. Closers, surface mounted type, LCN 4041-CUSH, cover to be color to match door. Weather Stripping (3 sides).

	Bottom Sweep .Handicapped Threshold, clear aluminum mill finish. Provide construction cylinder and replace with final cylinder specified in Door Hardware Section within Building Product Manual. Final cylinders, panic devices, electric strikes and card readers by Door Hardware Section within Building Product Manual.
Part of an Assembly	N
Warranty	5 years (Structural). For Finish warranties, refer to notes
Notes	Product Data Web Link: https://tinyurl.com/msh53y4y Where required, provide safety glass complying with CPSC 16 CFR Part 1201. Insulating Glass complying with IGCC requirements and as follows: - Total Thickness: 1” - Thickness of Each Pane: 1/4" - Air Space Thickness: 1/2" Glass shall be fully-tempered or laminated where required. Where required, provide safety glass complying with CPSC 16 CFR Part 1201. Low-e coating shall be applied to No. 2 surface. Minimum insulated glass assembly performance: - Visible Light Transmittance (VLT): 70 - Solar Heat Gain Coefficient (SHGC): 0.38 - Light to Solar Gain (LSG) Ratio: 1.85 Sealing System: Manufacturer's Standard Dual Seal as follows: - Desiccant: Molecular Sieve or Silica Gel or Blend of Both. - Spacer Material: Manufacturer's Standard Metal with Anodized Finish. Finish Options: 1. Powder Coat Systems: a. Non-Florida or Non-Coastal Projects require powder coat polyester complying with AAMA 2604, 10-year warranty. Color PPG-PCTT2314 (Enviracon 4). b. For Florida and other coastal region projects, use 100% FEVE resin powder coating complying with AAMA 2605 with 20-year warranty. Color PPG PCNT23118 (Coraflon). 2. Liquid-applied systems: a. Use 2-coat, 50% PVDF resin system complying with AAMA 2604, 10-year warranty. Color PPG-UC110423F (Acrynar). b. For Florida and coastal regions, use 2-coat, 70% PVDF resin system complying with AAMA 2605 with 20-year warranty. Color PPG UC110423F (Duranar). 3. Anodized Finish Systems: a. Electrolytically Deposited Anodic Coating, Class 1, Designation AAM12C21A44 conforming to AAMA 611 with 10-year warranty.11

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
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AS-001-A1-KA / DR-002-A1-KA

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

SPECIAL INSTRUCTIONS
Interior Storefront color & finish to match the Exterior Storefront

MANUFACTURER

Vendor Name: Kawneer
Contact Name: Ian Cable
Phone: (603) 552-3541
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Oldcastle Building Envelope
Contact Name: Customer Service
Phone: (800) 899-8455
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: EFCO Corporation
Contact Name:
Phone: 8002214169
Email:

ALTERNATE MANUFACTURER 4

Vendor Name: YKK AP
Contact Name: Mike Gilbert
Phone: (404) 451-1134
Email:

AREAS

Entrance Vestibule

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

AS-001-A1-OB / DR-002-A1-OB

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Glazed Storefront & Entrance Doors
Item Type	Aluminum-Framed Storefront system, thermally-broken
Description	Interior and Exterior Aluminum Storefront Framing, Doors, Door Frames, Lights, and Fixed Windows
Manufacturer	Oldcastle Building Envelope
Model	Storefront: Series 3000 Front Set; Doors: WS-500 Wide / MS-375 Medium / or NS-212 Narrow Stile Entrance Doors
Dimensions	Frame: 2" sightline x 4-1/2" depth; Refer to Design Guideline Drawings for Door & Assembly Dimensions
Color	Clear Anodized or to match Clear Anodized, refer to notes
Finish	Refer to Notes
Material Composition	Aluminum extrusions, complying with ASTM B221, 6063-T6 alloy and temper. Glazing as specified below
CSI #	084113 - Aluminum-Framed Entrances and Storefronts
Omniclass #	22-084113 Aluminum-Framed Entrances and Storefronts
Acoustical Performance	Enhanced OITC and STC Performance available. Comply with the Owner's requirements according to project conditions.
Structural Performance	Design for windload of 30 PSF with maximum deflection in both vertical and horizontal mullions not to exceed 1/175 of span. Water Penetration: ASTM E331 no water penetration at a test pressure of 6.24 PSF. Air Leakage per ASTM E283: Fixed window walls maximum of 0.06 CFM per sq. ft. of total exterior surface areas.
Thermal Performance	System U-factor shall comply with requirements of Authorities Having Jurisdiction.
Operation	NA
Best Practices	Recycled content of aluminum.
Quality Standards	AAMA “Storefront and Entrance Manual”. ANSI/AAMA 101 "Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors"
Accessibility Compliance	Comply with ANSI A117.1 and ADA.
Accessories	Entrance door hardware shall be supplied with doors as follows: Continuous Hinges, 780-112 HD, Hager, Kynar finish, color to match door. Push/Pull, Style “CO-12” by Kawneer, or approved substitution by other listed manufacturer, No. 26 Finish. Closers, surface mounted type, LCN 4041-CUSH, cover to be color to match door. Weather Stripping (3 sides). Bottom Sweep .Handicapped Threshold, clear

	aluminum mill finish. Provide construction cylinder and replace with final cylinder specified in Door Hardware Section within Building Product Manual. Final cylinders, panic devices, electric strikes and card readers by Door Hardware Section within Building Product Manual.
Part of an Assembly	N
Warranty	5 years (Structural). For Finish warranties, refer to notes
Notes	Product Data Web Link: https://tinyurl.com/5e7sw4bd Where required, provide safety glass complying with CPSC 16 CFR Part 1201. Insulating Glass complying with IGCC requirements and as follows: - Total Thickness: 1” - Thickness of Each Pane: 1/4" - Air Space Thickness: 1/2" Glass shall be fully-tempered or laminated where required. Where required, provide safety glass complying with CPSC 16 CFR Part 1201. Low-e coating shall be applied to No. 2 surface. Minimum insulated glass assembly performance: - Visible Light Transmittance (VLT): 70 - Solar Heat Gain Coefficient (SHGC): 0.38 - Light to Solar Gain (LSG) Ratio: 1.85 Sealing System: Manufacturer's Standard Dual Seal as follows: - Desiccant: Molecular Sieve or Silica Gel or Blend of Both. - Spacer Material: Manufacturer's Standard Metal with Anodized Finish. Finish Options: 1. Powder Coat Systems: a. Non-Florida or Non-Coastal Projects require powder coat polyester complying with AAMA 2604, 10-year warranty. Color PPG-PCTT2314 (Enviracon 4). b. For Florida and other coastal region projects, use 100% FEVE resin powder coating complying with AAMA 2605 with 20-year warranty. Color PPG PCNT23118 (Coraflon). 2. Liquid-applied systems: a. Use 2-coat, 50% PVDF resin system complying with AAMA 2604, 10-year warranty. Color PPG-UC110423F (Acrynar). b. For Florida and coastal regions, use 2-coat, 70% PVDF resin system complying with AAMA 2605 with 20-year warranty. Color PPG UC110423F (Duranar). 3. Anodized Finish Systems: a. Electrolytically Deposited Anodic Coating, Class 1, Designation AAM12C21A44 conforming to AAMA 611 with 10-year warranty.

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
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AS-001-A1-OB / DR-002-A1-OB

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

SPECIAL INSTRUCTIONS
Interior Storefront color & finish to match the Exterior Storefront

MANUFACTURER

Vendor Name: Oldcastle Building Envelope
Contact Name: Customer Service
Phone: (800) 899-8455
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Kawneer
Contact Name: Ian Cable
Phone: (603) 552-3541
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: EFCO Corporation
Contact Name:
Phone: 8002214169
Email:

ALTERNATE MANUFACTURER 4

Vendor Name: YKK AP
Contact Name: Mike Gilbert
Phone: (404) 451-1134
Email:

AREAS

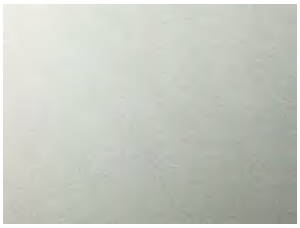
Entrance Vestibule

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

AS-001-A1-YK / DR-002-A1-YK

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Glazed Storefront & Entrance Doors
Item Type	Aluminum-Framed Storefront system, thermally-broken.
Description	Interior and Exterior Aluminum Storefront Framing, Doors, Door Frames, Lights, and Fixed Windows
Manufacturer	YKK-AP
Model	Storefront: YES-45-TU, Front Glazed/Set; Doors: 50D Wide/ 30D Medium / or 20D Narrow Stile Entrance Doors
Dimensions	Frame: 2" sightline x 4-1/2" depth; Refer to Design Guideline Drawings for Door & Assembly Dimensions
Color	Clear Anodized or to match Clear Anodized, refer to notes
Finish	Refer to Notes
Material Composition	Aluminum extrusions, complying with ASTM B221, 6063-T6 alloy and temper. Glazing as specified below.
CSI #	084113 - Aluminum-Framed Entrances and Storefronts
Omniclass #	22-084113 Aluminum-Framed Entrances and Storefronts
Acoustical Performance	Enhanced OITC and STC Performance available. Comply with the Owner's requirements according to project conditions.
Structural Performance	Design for windload of 30 PSF with maximum deflection in both vertical and horizontal mullions not to exceed 1/175 of span. Water Penetration: ASTM E331 no water penetration at a test pressure of 6.24 PSF. Air Leakage per ASTM E283: Fixed window walls maximum of 0.06 CFM per sq. ft. of total exterior surface areas.
Thermal Performance	System U-factor shall comply with requirements of Authorities Having Jurisdiction.
Operation	NA
Best Practices	Recycled content of aluminum.
Quality Standards	AAMA “Storefront and Entrance Manual”. ANSI/AAMA 101 "Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors"
Accessibility Compliance	Comply with ANSI A117.1 and ADA.
Accessories	Entrance door hardware shall be supplied with doors as follows: Continuous Hinges, 780-112 HD, Hager, Kynar finish, color to match door. Push/Pull, Style “CO-12” by Kawneer, or approved substitution by other listed manufacturer, No. 26 Finish. Closers, surface mounted type, LCN 4041-CUSH, cover to be color to match door. Weather Stripping (3 sides). Bottom Sweep .Handicapped Threshold, clear aluminum mill finish. Provide construction cylinder and replace with final cylinder specified in Door Hardware Section within Building Product Manual. Final cylinders, panic devices, electric strikes and card readers by Door Hardware Section within Building Product Manual.
Part of an Assembly	N
Warranty	5 years (Structural). For Finish warranties, refer to notes
Notes	Product Data Web Link: https://www.ykkap.com/commercial/productguide/storefront/yes45tufront/product-

data-sheet/
Where required, provide safety glass complying with CPSC 16 CFR Part 1201.

Insulating Glass complying with IGCC requirements and as follows:
- Total Thickness: 1”
- Thickness of Each Pane: 1/4"
- Air Space Thickness: 1/2"
Glass shall be fully-tempered or laminated where required. Where required, provide safety glass complying with CPSC 16 CFR Part 1201.
Low-e coating shall be applied to No. 2 surface.
Minimum insulated glass assembly performance:
- Visible Light Transmittance (VLT): 70
- Solar Heat Gain Coefficient (SHGC): 0.38
- Light to Solar Gain (LSG) Ratio: 1.85
Sealing System: Manufacturer's Standard Dual Seal as follows:
- Desiccant: Molecular Sieve or Silica Gel or Blend of Both.
- Spacer Material: Manufacturer's Standard Metal with Anodized Finish.
Finish Options:
1. Powder Coat Systems:
a. Non-Florida or Non-Coastal Projects require powder coat polyester complying with AAMA 2604, 10-year warranty. Color PPG-PCTT2314 (Enviracon 4).
b. For Florida and other coastal region projects, use 100% FEVE resin powder coating complying with AAMA 2605 with 20-year warranty. Color PPG PCNT23118 (Coraflon).
2. Liquid-applied systems:
a. Use 2-coat, 50% PVDF resin system complying with AAMA 2604, 10-year warranty. Color PPG-UC110423F (Acrynar).
b. For Florida and coastal regions, use 2-coat, 70% PVDF resin system complying with AAMA 2605 with 20-year warranty. Color PPG UC110423F (Duranar).
3. Anodized Finish Systems:
a. Electrolytically Deposited Anodic Coating, Class 1, Designation AAM12C21A44 conforming to AAMA 611 with 10-year warranty.

SPECIAL INSTRUCTIONS

Interior Storefront color & finish to match the Exterior Storefront

MANUFACTURER

Vendor Name: YKK AP
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Email:

ALTERNATE MANUFACTURER 2

Vendor Name: EFCO Corporation
Contact Name:
Phone: 8002214169
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Kawneer
Contact Name: Ian Cable

AREAS

Lobby

Phone: (603) 552-3541 Email:	
ALTERNATE MANUFACTURER 4 Vendor Name: Oldcastle Building Envelope Contact Name: Customer Service Phone: (800) 899-8455 Email:	

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

AS-001-A2-EF / DR-002-A2-EF

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Glazed Storefront & Entrance Doors
Item Type	Aluminum-Framed Storefront system, thermally-broken
Description	Interior and Exterior Aluminum Storefront Framing, Doors, Door Frames, Lights, and Fixed Windows
Manufacturer	EFCO
Model	Storefront: Series 403, Outside Glazed/Set; Doors: with D500 Wide / D300 Medium/ or D200 Narrow Stile Entrance Doors
Dimensions	Frame: 2" sightline x 4-1/2" depth; Refer to Design Guideline Drawings for Door & Assembly Dimensions
Color	To Match PPG Bone White, refer to Notes
Finish	Refer to Notes
Material Composition	Aluminum extrusions, complying with ASTM B221, 6063-T6 alloy and temper. Glazing as specified below.
CSI #	084113 - Aluminum-Framed Entrances and Storefronts
Omniclass #	22-084113 Aluminum-Framed Entrances and Storefronts
Acoustical Performance	Enhanced OITC and STC Performance available. Comply with the Owner's requirements according to project conditions.
Structural Performance	Design for windload of 30 PSF with maximum deflection in both vertical and horizontal mullions not to exceed 1/175 of span. Water Penetration: ASTM E331 no water penetration at a test pressure of 6.24 PSF. Air Leakage per ASTM E283: Fixed window walls maximum of 0.06 CFM per sq. ft. of total exterior surface areas.
Thermal Performance	System U-factor shall comply with requirements of Authorities Having Jurisdiction.
Operation	NA
Best Practices	Recycled content of aluminum.
Quality Standards	AAMA “Storefront and Entrance Manual”. ANSI/AAMA 101 "Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors"
Accessibility Compliance	Comply with ANSI A117.1 and ADA.
Accessories	Entrance door hardware shall be supplied with doors as follows: Continuous Hinges, 780-112 HD, Hager, Kynar finish, color to match door. Push/Pull, Style “CO-12” by Kawneer, or approved substitution by other listed manufacturer, No. 26 Finish. Closers, surface mounted type, LCN 4041-CUSH, cover to be color to match door. Weather Stripping (3 sides). Bottom Sweep .Handicapped Threshold, clear

	aluminum mill finish. Provide construction cylinder and replace with final cylinder specified in Door Hardware Section within Building Product Manual. Final cylinders, panic devices, electric strikes and card readers by Door Hardware Section within Building Product Manual.
Part of an Assembly	N
Warranty	5 years (Structural). For Finish warranties, refer to notes
Notes	Product Data Web Link: https://tinyurl.com/yy6fpcdf Where required, provide safety glass complying with CPSC 16 CFR Part 1201. Insulating Glass complying with IGCC requirements and as follows: - Total Thickness: 1” - Thickness of Each Pane: 1/4" - Air Space Thickness: 1/2" Glass shall be fully-tempered or laminated where required. Where required, provide safety glass complying with CPSC 16 CFR Part 1201. Low-e coating shall be applied to No. 2 surface. Minimum insulated glass assembly performance: - Visible Light Transmittance (VLT): 70 - Solar Heat Gain Coefficient (SHGC): 0.38 - Light to Solar Gain (LSG) Ratio: 1.85 Sealing System: Manufacturer's Standard Dual Seal as follows: - Desiccant: Molecular Sieve or Silica Gel or Blend of Both. - Spacer Material: Manufacturer's Standard Metal with Anodized Finish. Finish Options & Colors: 1. Powder Coat Systems: a. Non-Florida or Non-Coastal Projects require powder coat polyester complying with AAMA 2604, 10-year warranty. Color PPG-PCTT2314 (Enviracon 4). b. For Florida and other coastal region projects, use 100% FEVE resin powder coating complying with AAMA 2605 with 20-year warranty. Color PPG-PCNT88101 (Coraflon). 2. Liquid-applied systems: a. Use 2-coat, 50% PVDF resin system complying with AAMA 2604, 10-year warranty. Color PPG-UC43350 (Acrynar). b. For Florida and coastal regions, use 2-coat, 70% PVDF resin system complying with AAMA 2605 with 20-year warranty. Color PPG-UC43350 (Duranar). 3. Anodized Finish Systems: a. Electrolytically Deposited Anodic Coating, Class 1, Designation AAM12C21A44 conforming to AAMA 611 with 10-year warranty.

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

AS-001-A2-EF / DR-002-A2-EF

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

SPECIAL INSTRUCTIONS
Interior Storefront color & finish to match the Exterior Storefront

MANUFACTURER

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ALTERNATE MANUFACTURER 2

Vendor Name: Kawneer
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ALTERNATE MANUFACTURER 3

Vendor Name: Oldcastle Building Envelope
Contact Name: Customer Service
Phone: (800) 899-8455
Email:

ALTERNATE MANUFACTURER 4

Vendor Name: YKK AP
Contact Name: Mike Gilbert
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AREAS

Entrance Vestibule

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

AS-001-A2-KA / DR-002-A2-KA

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Glazed Storefront & Entrance Doors
Item Type	Aluminum-Framed Storefront system, thermally-broken
Description	Interior and Exterior Aluminum Storefront Framing, Doors, Door Frames, Lights, and Fixed Windows
Manufacturer	Kawneer North America
Model	Storefront: Trifab VersaGlaze 451T, Front Glazed; Doors: 500 Wide / 350 Medium / or 190 Narrow Stile Entrance Doors
Dimensions	Frame: 2" sightline x 4-1/2" depth; Refer to Design Guideline Drawings for Door & Assembly Dimensions
Color	To Match PPG Bone White, refer to Notes
Finish	Refer to Notes
Material Composition	Aluminum extrusions, complying with ASTM B221, 6063-T6 alloy and temper. Glazing as specified below.
CSI #	084113 - Aluminum-Framed Entrances and Storefronts
Omniclass #	22-084113 Aluminum-Framed Entrances and Storefronts
Acoustical Performance	Enhanced OITC and STC Performance available. Comply with the Owner's requirements according to project conditions.
Structural Performance	Design for windload of 30 PSF with maximum deflection in both vertical and horizontal mullions not to exceed 1/175 of span. Water Penetration: ASTM E331 no water penetration at a test pressure of 6.24 PSF. Air Leakage per ASTM E283: Fixed window walls maximum of 0.06 CFM per sq. ft. of total exterior surface areas.
Thermal Performance	System U-factor shall comply with requirements of Authorities Having Jurisdiction.
Operation	NA
Best Practices	Recycled content of aluminum.
Quality Standards	AAMA “Storefront and Entrance Manual”. ANSI/AAMA 101 "Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors"
Accessibility Compliance	Comply with ANSI A117.1 and ADA.
Accessories	Entrance door hardware shall be supplied with doors as follows: Continuous Hinges, 780-112 HD, Hager, Kynar finish, color to match door. Push/Pull, Style “CO-12” by Kawneer, or approved substitution by other listed manufacturer, No. 26 Finish. Closers, surface mounted type, LCN 4041-CUSH, cover to be color to match door. Weather Stripping (3 sides). Bottom Sweep .Handicapped Threshold, clear

	aluminum mill finish. Provide construction cylinder and replace with final cylinder specified in Door Hardware Section within Building Product Manual. Final cylinders, panic devices, electric strikes and card readers by Door Hardware Section within Building Product Manual.
Part of an Assembly	N
Warranty	5 years (Structural). For Finish warranties, refer to notes
Notes	Product Data Web Link: https://tinyurl.com/msh53y4y Where required, provide safety glass complying with CPSC 16 CFR Part 1201. Insulating Glass complying with IGCC requirements and as follows: - Total Thickness: 1” - Thickness of Each Pane: 1/4" - Air Space Thickness: 1/2" Glass shall be fully-tempered or laminated where required. Where required, provide safety glass complying with CPSC 16 CFR Part 1201. Low-e coating shall be applied to No. 2 surface. Minimum insulated glass assembly performance: - Visible Light Transmittance (VLT): 70 - Solar Heat Gain Coefficient (SHGC): 0.38 - Light to Solar Gain (LSG) Ratio: 1.85 Sealing System: Manufacturer's Standard Dual Seal as follows: - Desiccant: Molecular Sieve or Silica Gel or Blend of Both. - Spacer Material: Manufacturer's Standard Metal with Anodized Finish. Finish Options & Colors: 1. Powder Coat Systems: a. Non-Florida or Non-Coastal Projects require powder coat polyester complying with AAMA 2604, 10-year warranty. Color PPG-PCTT2314 (Enviracon 4). b. For Florida and other coastal region projects, use 100% FEVE resin powder coating complying with AAMA 2605 with 20-year warranty. Color PPG-PCNT88101 (Coraflon). 2. Liquid-applied systems: a. Use 2-coat, 50% PVDF resin system complying with AAMA 2604, 10-year warranty. Color PPG-UC43350 (Acrynar). b. For Florida and coastal regions, use 2-coat, 70% PVDF resin system complying with AAMA 2605 with 20-year warranty. Color PPG-UC43350 (Duranar). 3. Anodized Finish Systems: a. Electrolytically Deposited Anodic Coating, Class 1, Designation AAM12C21A44 conforming to AAMA 611 with 10-year warranty.

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

AS-001-A2-KA / DR-002-A2-KA

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

SPECIAL INSTRUCTIONS
Interior Storefront color & finish to match the Exterior Storefront

MANUFACTURER

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ALTERNATE MANUFACTURER 2

Vendor Name: Oldcastle Building Envelope
Contact Name: Customer Service
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ALTERNATE MANUFACTURER 3

Vendor Name: EFCO Corporation
Contact Name:
Phone: 8002214169
Email:

ALTERNATE MANUFACTURER 4

Vendor Name: YKK AP
Contact Name: Mike Gilbert
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AREAS

Entrance Vestibule

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

AS-001-A2-OB / DR-002-A2-OB

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Glazed Storefront & Entrance Doors
Item Type	Aluminum-Framed Storefront system, thermally-broken.
Description	Interior and Exterior Aluminum Storefront Framing, Doors, Door Frames, Lights, and Fixed Windows
Manufacturer	Oldcastle Building Envelope
Model	Storefront: Series 3000 Front Set; Doors: WS-500 Wide / MS-375 Medium / or NS-212 Narrow Stile Entrance Doors
Dimensions	Frame: 2" sightline x 4-1/2" depth; Refer to Design Guideline Drawings for Door & Assembly Dimensions
Color	To Match PPG Bone White, refer to Notes
Finish	Refer to Notes
Material Composition	Aluminum extrusions, complying with ASTM B221, 6063-T6 alloy and temper. Glazing as specified below.
CSI #	084113 - Aluminum-Framed Entrances and Storefronts
Omniclass #	22-084113 Aluminum-Framed Entrances and Storefronts
Acoustical Performance	Enhanced OITC and STC Performance available. Comply with the Owner's requirements according to project conditions.
Structural Performance	Design for windload of 30 PSF with maximum deflection in both vertical and horizontal mullions not to exceed 1/175 of span. Water Penetration: ASTM E331 no water penetration at a test pressure of 6.24 PSF. Air Leakage per ASTM E283: Fixed window walls maximum of 0.06 CFM per sq. ft. of total exterior surface areas.
Thermal Performance	System U-factor shall comply with requirements of Authorities Having Jurisdiction.
Operation	NA
Best Practices	Recycled content of aluminum.
Quality Standards	AAMA “Storefront and Entrance Manual”. ANSI/AAMA 101 "Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors"
Accessibility Compliance	Comply with ANSI A117.1 and ADA.
Accessories	Entrance door hardware shall be supplied with doors as follows: Continuous Hinges, 780-112 HD, Hager, Kynar finish, color to match door. Push/Pull, Style “CO-12” by Kawneer, or approved substitution by other listed manufacturer, No. 26 Finish. Closers, surface mounted type, LCN 4041-CUSH, cover to be color to match door. Weather Stripping (3 sides). Bottom Sweep .Handicapped Threshold, clear

	aluminum mill finish. Provide construction cylinder and replace with final cylinder specified in Door Hardware Section within Building Product Manual. Final cylinders, panic devices, electric strikes and card readers by Door Hardware Section within Building Product Manual.
Part of an Assembly	N
Warranty	5 years (Structural). For Finish warranties, refer to notes
Notes	Product Data Web Link: https://tinyurl.com/5e7sw4bd Where required, provide safety glass complying with CPSC 16 CFR Part 1201. Insulating Glass complying with IGCC requirements and as follows: - Total Thickness: 1” - Thickness of Each Pane: 1/4" - Air Space Thickness: 1/2" Glass shall be fully-tempered or laminated where required. Where required, provide safety glass complying with CPSC 16 CFR Part 1201. Low-e coating shall be applied to No. 2 surface. Minimum insulated glass assembly performance: - Visible Light Transmittance (VLT): 70 - Solar Heat Gain Coefficient (SHGC): 0.38 - Light to Solar Gain (LSG) Ratio: 1.85 Sealing System: Manufacturer's Standard Dual Seal as follows: - Desiccant: Molecular Sieve or Silica Gel or Blend of Both. - Spacer Material: Manufacturer's Standard Metal with Anodized Finish. Finish Options & Colors: 1. Powder Coat Systems: a. Non-Florida or Non-Coastal Projects require powder coat polyester complying with AAMA 2604, 10-year warranty. Color PPG-PCTT2314 (Enviracon 4). b. For Florida and other coastal region projects, use 100% FEVE resin powder coating complying with AAMA 2605 with 20-year warranty. Color PPG-PCNT88101 (Coraflon). 2. Liquid-applied systems: a. Use 2-coat, 50% PVDF resin system complying with AAMA 2604, 10-year warranty. Color PPG-UC43350 (Acrynar). b. For Florida and coastal regions, use 2-coat, 70% PVDF resin system complying with AAMA 2605 with 20-year warranty. Color PPG-UC43350 (Duranar). 3. Anodized Finish Systems: a. Electrolytically Deposited Anodic Coating, Class 1, Designation AAM12C21A44 conforming to AAMA 611 with 10-year warranty.

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

SPECIAL INSTRUCTIONS
Interior Storefront color & finish to match the Exterior Storefront

MANUFACTURER

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ALTERNATE MANUFACTURER 2

Vendor Name: Kawneer
Contact Name: Ian Cable
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ALTERNATE MANUFACTURER 3

Vendor Name: EFCO Corporation
Contact Name:
Phone: 8002214169
Email:

ALTERNATE MANUFACTURER 4

Vendor Name: YKK AP
Contact Name: Mike Gilbert
Phone: (404) 451-1134
Email:

AREAS

Entrance Vestibule

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

AS-001-A2-YK / DR-002-A2-YK

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Glazed Storefront & Entrance doors
Item Type	Aluminum-Framed Storefront system, thermally-broken
Description	Interior and Exterior Aluminum Storefront Framing, Doors, Door Frames, Lights, and Fixed Windows
Manufacturer	YKK-AP
Model	Storefront: YES-45-TU, Front Glazed/Set; Doors: 50D Wide/ 30D Medium / or 20D Narrow Stile Entrance Doors
Dimensions	Frame: 2" sightline x 4-1/2" depth; Refer to Design Guideline Drawings for Door & Assembly Dimensions
Color	To Match PPG Bone White, refer to Notes
Finish	Refer to Notes
Material Composition	Aluminum extrusions, complying with ASTM B221, 6063-T6 alloy and temper. Glazing as specified below.
CSI #	084113 - Aluminum-Framed Entrances and Storefronts
Omniclass #	22-084113 Aluminum-Framed Entrances and Storefronts
Acoustical Performance	Enhanced OITC and STC Performance available. Comply with the Owner's requirements according to project conditions.
Structural Performance	Design for windload of 30 PSF with maximum deflection in both vertical and horizontal mullions not to exceed 1/175 of span. Water Penetration: ASTM E331 no water penetration at a test pressure of 6.24 PSF. Air Leakage per ASTM E283: Fixed window walls maximum of 0.06 CFM per sq. ft. of total exterior surface areas.
Thermal Performance	System U-factor shall comply with requirements of Authorities Having Jurisdiction.
Operation	NA
Best Practices	Recycled content of aluminum.
Quality Standards	AAMA “Storefront and Entrance Manual”. ANSI/AAMA 101 "Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors"
Accessibility Compliance	Comply with ANSI A117.1 and ADA.
Accessories	Entrance door hardware shall be supplied with doors as follows: Continuous Hinges, 780-112 HD, Hager, Kynar finish, color to match door. Push/Pull, Style “CO-12” by Kawneer, or approved substitution by other listed manufacturer, No. 26 Finish. Closers, surface mounted type, LCN 4041-CUSH, cover to be color to match door. Weather Stripping (3 sides). Bottom Sweep .Handicapped Threshold, clear aluminum mill finish. Provide construction cylinder and replace with final cylinder specified in Door Hardware Section within Building Product Manual. Final cylinders, panic devices, electric strikes and card readers by Door Hardware Section within Building Product Manual.
Part of an Assembly	N
Warranty	5 years (Structural). For Finish warranties, refer to notes
Notes	Product Data Web Link: https://www.ykkap.com/commercial/productguide/storefront/yes45tufront/product-

data-sheet/
Where required, provide safety glass complying with CPSC 16 CFR Part 1201.

Insulating Glass complying with IGCC requirements and as follows:
- Total Thickness: 1”
- Thickness of Each Pane: 1/4"
- Air Space Thickness: 1/2"
Glass shall be fully-tempered or laminated where required. Where required, provide safety glass complying with CPSC 16 CFR Part 1201.
Low-e coating shall be applied to No. 2 surface.
Minimum insulated glass assembly performance:
- Visible Light Transmittance (VLT): 70
- Solar Heat Gain Coefficient (SHGC): 0.38
- Light to Solar Gain (LSG) Ratio: 1.85
Sealing System: Manufacturer's Standard Dual Seal as follows:
- Desiccant: Molecular Sieve or Silica Gel or Blend of Both.
- Spacer Material: Manufacturer's Standard Metal with Anodized Finish.
Finish Options & Colors:
1. Powder Coat Systems:
a. Non-Florida or Non-Coastal Projects require powder coat polyester complying with AAMA 2604, 10-year warranty. Color PPG-PCTT2314 (Enviracon 4).
b. For Florida and other coastal region projects, use 100% FEVE resin powder coating complying with AAMA 2605 with 20-year warranty. Color PPG-PCNT88101 (Coraflon).
2. Liquid-applied systems:
a. Use 2-coat, 50% PVDF resin system complying with AAMA 2604, 10-year warranty. Color PPG-UC43350 (Acrynar).
b. For Florida and coastal regions, use 2-coat, 70% PVDF resin system complying with AAMA 2605 with 20-year warranty. Color PPG-UC43350 (Duranar).
3. Anodized Finish Systems:
a. Electrolytically Deposited Anodic Coating, Class 1, Designation AAM12C21A44 conforming to AAMA 611 with 10-year warranty.

SPECIAL INSTRUCTIONS

Interior Storefront color & finish to match the Exterior Storefront

MANUFACTURER

Vendor Name: YKK AP
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Email:

ALTERNATE MANUFACTURER 2

Vendor Name: EFCO Corporation
Contact Name:
Phone: 8002214169
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ALTERNATE MANUFACTURER 3

Vendor Name: Kawneer
Contact Name: Ian Cable

AREAS

Entrance Vestibule

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ALTERNATE MANUFACTURER 4

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Aluminum Storefront_Grey Color Scheme

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

AS-001-EF / DR-002-EF

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Glazed Storefront
Item Type	Aluminum-Framed Storefront system, thermally-broken
Description	Interior and Exterior Aluminum Storefront Framing, Doors, Door Frames, Lights, and Fixed Windows
Manufacturer	EFCO
Model	Storferont: 403 Series, Outside Glazed Set; Doors: D500 Wide / D300 Medium / or D200 Narrow Stile Entrance Doors
Dimensions	Frame: 2" sightline x 4-1/2" depth; Refer to Design Guideline Drawings for Door & Assembly Dimensions
Color	Custom color to match Aluminum Window color and as approved by the Marriott Representative.
Finish	Refer to Notes
Material Composition	Aluminum extrusions, complying with ASTM B221, 6063-T6 alloy and temper. Glazing as specified below.
CSI #	084113 - Aluminum-Framed Entrances and Storefronts
Omniclass #	22-084113 Aluminum-Framed Entrances and Storefronts
Acoustical Performance	Enhanced OITC and STC Performance available. Comply with the Owner's requirements according to project conditions.
Structural Performance	Design for windload of 30 PSF with maximum deflection in both vertical and horizontal mullions not to exceed 1/175 of span. Water Penetration: ASTM E331 no water penetration at a test pressure of 6.24 PSF. Air Leakage per ASTM E283: Fixed window walls maximum of 0.06 CFM per sq. ft. of total exterior surface areas.
Thermal Performance	System U-factor shall comply with requirements of Authorities Having Jurisdiction.
Operation	NA
Best Practices	Recycled content of aluminum.
Quality Standards	AAMA “Storefront and Entrance Manual”. ANSI/AAMA 101 "Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors"
Accessibility Compliance	Comply with ANSI A117.1 and ADA.
Accessories	Entrance door hardware shall be supplied with doors as follows: Continuous Hinges, 780-112 HD, Hager, Kynar finish, color to match door. Push/Pull, Style “CO-12” by Kawneer, or approved substitution by other listed manufacturer, No. 26 Finish. Closers, surface mounted type, LCN 4041-CUSH, cover to be color to match door. Weather Stripping (3 sides).

IMAGE NOT AVAILABLE

	Bottom Sweep .Handicapped Threshold, clear aluminum mill finish. Provide construction cylinder and replace with final cylinder specified in Door Hardware Section within Building Product Manual. Final cylinders, panic devices, electric strikes and card readers by Door Hardware Section within Building Product Manual.
Part of an Assembly	N
Warranty	5 years (Structural). For Finish warranties, refer to notes
Notes	Product Data Web Link: https://tinyurl.com/yy6fpcdf Where required, provide safety glass complying with CPSC 16 CFR Part 1201. Insulating Glass complying with IGCC requirements and as follows: - Total Thickness: 1” - Thickness of Each Pane: 1/4" - Air Space Thickness: 1/2" Glass shall be fully-tempered or laminated where required. Where required, provide safety glass complying with CPSC 16 CFR Part 1201. Low-e coating shall be applied to No. 2 surface. Minimum insulated glass assembly performance: - Visible Light Transmittance (VLT): 70 - Solar Heat Gain Coefficient (SHGC): 0.38 - Light to Solar Gain (LSG) Ratio: 1.85 Sealing System: Manufacturer's Standard Dual Seal as follows: - Desiccant: Molecular Sieve or Silica Gel or Blend of Both. - Spacer Material: Manufacturer's Standard Metal with Anodized Finish. Finish Options & Colors: 1. Powder Coat Systems: a. Non-Florida or Non-Coastal Projects require powder coat polyester complying with AAMA 2604, 10-year warranty. Color PPG-PCTT2314 (Enviracon 4). b. For Florida and other coastal region projects, use 100% FEVE resin powder coating complying with AAMA 2605 with 20-year warranty. Color PPG-PCNT88101 (Coraflon). 2. Liquid-applied systems: a. Use 2-coat, 50% PVDF resin system complying with AAMA 2604, 10-year warranty. Color PPG-UC43350 (Acrynar). b. For Florida and coastal regions, use 2-coat, 70% PVDF resin system complying with AAMA 2605 with 20-year warranty. Color PPG-UC43350 (Duranar). 3. Anodized Finish Systems: a. Electrolytically Deposited Anodic Coating, Class 1, Designation AAM12C21A44 conforming to AAMA 611 with 10-year warranty.

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

AS-001-EF / DR-002-EF

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

SPECIAL INSTRUCTIONS
Interior Storefront color & finish to match the Exterior Storefront

MANUFACTURER

Vendor Name: EFCO Corporation
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Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Kawneer
Contact Name: Ian Cable
Phone: (603) 552-3541
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Oldcastle Building Envelope
Contact Name: Customer Service
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ALTERNATE MANUFACTURER 4

Vendor Name: YKK AP
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AREAS

Entrance Vestibule

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

AS-001-KA / DR-002-KA

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Glazed Storefront
Item Type	Aluminum-Framed Storefront system, thermally-broken
Description	Interior and Exterior Aluminum Storefront Framing, Doors, Door Frames, Lights, and Fixed Windows
Manufacturer	Kawneer North America
Model	Storefront: Trifab VersaGlaze 451T, Front Glazed; Doors: 500 Wide / 350 Medium / or 190 Narrow Stile Entrance Doors
Dimensions	Frame: 2" sightline x 4-1/2" depth; Refer to Design Guideline Drawings for Door & Assembly Dimensions
Color	Custom color to match Aluminum Window color and as approved by the Marriott Representative.
Finish	Refer to Notes
Material Composition	Aluminum extrusions, complying with ASTM B221, 6063-T6 alloy and temper. Glazing as specified below.
CSI #	084113 - Aluminum-Framed Entrances and Storefronts
Omniclass #	22-084113 Aluminum-Framed Entrances and Storefronts
Acoustical Performance	Enhanced OITC and STC Performance available. Comply with the Owner's requirements according to project conditions.
Structural Performance	Design for windload of 30 PSF with maximum deflection in both vertical and horizontal mullions not to exceed 1/175 of span. Water Penetration: ASTM E331 no water penetration at a test pressure of 6.24 PSF. Air Leakage per ASTM E283: Fixed window walls maximum of 0.06 CFM per sq. ft. of total exterior surface areas.
Thermal Performance	System U-factor shall comply with requirements of Authorities Having Jurisdiction.
Operation	NA
Best Practices	Recycled content of aluminum.
Quality Standards	AAMA “Storefront and Entrance Manual”. ANSI/AAMA 101 "Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors"
Accessibility Compliance	Comply with ANSI A117.1 and ADA.
Accessories	Entrance door hardware shall be supplied with doors as follows: Continuous Hinges, 780-112 HD, Hager, Kynar finish, color to match door. Push/Pull, Style “CO-12” by Kawneer, or approved substitution by other listed manufacturer, No. 26 Finish. Closers, surface mounted type, LCN 4041-CUSH, cover to be color to match door. Weather Stripping (3 sides).

IMAGE NOT AVAILABLE

	Bottom Sweep .Handicapped Threshold, clear aluminum mill finish. Provide construction cylinder and replace with final cylinder specified in Door Hardware Section within Building Product Manual. Final cylinders, panic devices, electric strikes and card readers by Door Hardware Section within Building Product Manual.
Part of an Assembly	N
Warranty	5 years (Structural). For Finish warranties, refer to notes
Notes	Product Data Web Link: https://tinyurl.com/msh53y4y Where required, provide safety glass complying with CPSC 16 CFR Part 1201. Insulating Glass complying with IGCC requirements and as follows: - Total Thickness: 1” - Thickness of Each Pane: 1/4" - Air Space Thickness: 1/2" Glass shall be fully-tempered or laminated where required. Where required, provide safety glass complying with CPSC 16 CFR Part 1201. Low-e coating shall be applied to No. 2 surface. Minimum insulated glass assembly performance: - Visible Light Transmittance (VLT): 70 - Solar Heat Gain Coefficient (SHGC): 0.38 - Light to Solar Gain (LSG) Ratio: 1.85 Sealing System: Manufacturer's Standard Dual Seal as follows: - Desiccant: Molecular Sieve or Silica Gel or Blend of Both. - Spacer Material: Manufacturer's Standard Metal with Anodized Finish. Finish Options & Colors: 1. Powder Coat Systems: a. Non-Florida or Non-Coastal Projects require powder coat polyester complying with AAMA 2604, 10-year warranty. Color PPG-PCTT2314 (Enviracon 4). b. For Florida and other coastal region projects, use 100% FEVE resin powder coating complying with AAMA 2605 with 20-year warranty. Color PPG-PCNT88101 (Coraflon). 2. Liquid-applied systems: a. Use 2-coat, 50% PVDF resin system complying with AAMA 2604, 10-year warranty. Color PPG-UC43350 (Acrynar). b. For Florida and coastal regions, use 2-coat, 70% PVDF resin system complying with AAMA 2605 with 20-year warranty. Color PPG-UC43350 (Duranar). 3. Anodized Finish Systems: a. Electrolytically Deposited Anodic Coating, Class 1, Designation AAM12C21A44 conforming to AAMA 611 with 10-year warranty.

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

AS-001-KA / DR-002-KA

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

SPECIAL INSTRUCTIONS
Interior Storefront color & finish to match the Exterior Storefront

MANUFACTURER

Vendor Name: Kawneer
Contact Name: Ian Cable
Phone: (603) 552-3541
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Oldcastle Building Envelope
Contact Name: Customer Service
Phone: (800) 899-8455
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: EFCO Corporation
Contact Name:
Phone: 8002214169
Email:

ALTERNATE MANUFACTURER 4

Vendor Name: YKK AP
Contact Name: Mike Gilbert
Phone: (404) 451-1134
Email:

AREAS

Entrance Vestibule

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

AS-001-OB / DR-002-OB

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Glazed Storefront
Item Type	Aluminum-Framed Storefront system, thermally-broken
Description	Interior and Exterior Aluminum Storefront Framing, Doors, Door Frames, Lights, and Fixed Windows
Manufacturer	Oldcastle Building Envelope
Model	Storefront: Series 3000 Front Set; Doors: WS-500 Wide / MS-375 Medium / or NS-212 Narrow Stile Entrance Doors
Dimensions	Frame: 2" sightline x 4-1/2" depth; Refer to Design Guideline Drawings for Door & Assembly Dimensions
Color	Custom color to match Aluminum Window color and as approved by the Marriott Representative.
Finish	Refer to Notes
Material Composition	Aluminum extrusions, complying with ASTM B221, 6063-T6 alloy and temper. Glazing as specified below.
CSI #	084113 - Aluminum-Framed Entrances and Storefronts
Omniclass #	22-084113 Aluminum-Framed Entrances and Storefronts
Acoustical Performance	Enhanced OITC and STC Performance available. Comply with the Owner's requirements according to project conditions.
Structural Performance	Design for windload of 30 PSF with maximum deflection in both vertical and horizontal mullions not to exceed 1/175 of span. Water Penetration: ASTM E331 no water penetration at a test pressure of 6.24 PSF. Air Leakage per ASTM E283: Fixed window walls maximum of 0.06 CFM per sq. ft. of total exterior surface areas.
Thermal Performance	System U-factor shall comply with requirements of Authorities Having Jurisdiction.
Operation	NA
Best Practices	Recycled content of aluminum.
Quality Standards	AAMA “Storefront and Entrance Manual”. ANSI/AAMA 101 "Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors"
Accessibility Compliance	Comply with ANSI A117.1 and ADA.
Accessories	Entrance door hardware shall be supplied with doors as follows: Continuous Hinges, 780-112 HD, Hager, Kynar finish, color to match door. Push/Pull, Style “CO-12” by Kawneer, or approved substitution by other listed manufacturer, No. 26 Finish. Closers, surface mounted type, LCN 4041-CUSH, cover to be color to match door. Weather Stripping (3 sides).

IMAGE NOT AVAILABLE

	Bottom Sweep .Handicapped Threshold, clear aluminum mill finish. Provide construction cylinder and replace with final cylinder specified in Door Hardware Section within Building Product Manual. Final cylinders, panic devices, electric strikes and card readers by Door Hardware Section within Building Product Manual.
Part of an Assembly	N
Warranty	5 years (Structural). For Finish warranties, refer to notes
Notes	Product Data Web Link: https://tinyurl.com/5e7sw4bd Where required, provide safety glass complying with CPSC 16 CFR Part 1201. Insulating Glass complying with IGCC requirements and as follows: - Total Thickness: 1” - Thickness of Each Pane: 1/4" - Air Space Thickness: 1/2" Glass shall be fully-tempered or laminated where required. Where required, provide safety glass complying with CPSC 16 CFR Part 1201. Low-e coating shall be applied to No. 2 surface. Minimum insulated glass assembly performance: - Visible Light Transmittance (VLT): 70 - Solar Heat Gain Coefficient (SHGC): 0.38 - Light to Solar Gain (LSG) Ratio: 1.85 Sealing System: Manufacturer's Standard Dual Seal as follows: - Desiccant: Molecular Sieve or Silica Gel or Blend of Both. - Spacer Material: Manufacturer's Standard Metal with Anodized Finish. Finish Options & Colors: 1. Powder Coat Systems: a. Non-Florida or Non-Coastal Projects require powder coat polyester complying with AAMA 2604, 10-year warranty. Color PPG-PCTT2314 (Enviracon 4). b. For Florida and other coastal region projects, use 100% FEVE resin powder coating complying with AAMA 2605 with 20-year warranty. Color PPG-PCNT88101 (Coraflon). 2. Liquid-applied systems: a. Use 2-coat, 50% PVDF resin system complying with AAMA 2604, 10-year warranty. Color PPG-UC43350 (Acrynar). b. For Florida and coastal regions, use 2-coat, 70% PVDF resin system complying with AAMA 2605 with 20-year warranty. Color PPG-UC43350 (Duranar). 3. Anodized Finish Systems: a. Electrolytically Deposited Anodic Coating, Class 1, Designation AAM12C21A44 conforming to AAMA 611 with 10-year warranty.

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

AS-001-OB / DR-002-OB

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

SPECIAL INSTRUCTIONS
Interior Storefront color & finish to match the Exterior Storefront

MANUFACTURER

Vendor Name: Oldcastle Building Envelope
Contact Name: Customer Service
Phone: (800) 899-8455
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Kawneer
Contact Name: Ian Cable
Phone: (603) 552-3541
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: EFCO Corporation
Contact Name:
Phone: 8002214169
Email:

ALTERNATE MANUFACTURER 4

Vendor Name: YKK AP
Contact Name: Mike Gilbert
Phone: (404) 451-1134
Email:

AREAS

Entrance Vestibule

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

AS-001-YK / DR-002-YK

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

IMAGE NOT AVAILABLE

Item Name	Glazed Storefront
Item Type	Aluminum-Framed Storefront system, thermally-broken
Description	Interior and Exterior Aluminum Storefront Framing, Doors, Door Frames, Lights, and Fixed Windows
Manufacturer	YKK-AP
Model	Storefront: YES-45-TU, Front Glazed/Set; Doors: 50D Wide/ 30D Medium / or 20D Narrow Stile Entrance Doors
Dimensions	Frame: 2" sightline x 4-1/2" depth; Refer to Design Guideline Drawings for Door & Assembly Dimensions
Color	Custom color to match Aluminum Window color and as approved by the Marriott Representative.
Finish	Refer to Notes
Material Composition	Aluminum extrusions, complying with ASTM B221, 6063-T6 alloy and temper. Glazing as specified below.
CSI #	084113 - Aluminum-Framed Entrances and Storefronts
Omniclass #	22-084113 Aluminum-Framed Entrances and Storefronts
Acoustical Performance	Enhanced OITC and STC Performance available. Comply with the Owner's requirements according to project conditions.
Structural Performance	Design for windload of 30 PSF with maximum deflection in both vertical and horizontal mullions not to exceed 1/175 of span. Water Penetration: ASTM E331 no water penetration at a test pressure of 6.24 PSF. Air Leakage per ASTM E283: Fixed window walls maximum of 0.06 CFM per sq. ft. of total exterior surface areas.
Thermal Performance	System U-factor shall comply with requirements of Authorities Having Jurisdiction.
Operation	NA
Best Practices	Recycled content of aluminum.
Quality Standards	AAMA “Storefront and Entrance Manual”. ANSI/AAMA 101 "Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors"
Accessibility Compliance	Comply with ANSI A117.1 and ADA.
Accessories	Entrance door hardware shall be supplied with doors as follows: Continuous Hinges, 780-112 HD, Hager, Kynar finish, color to match door. Push/Pull, Style “CO-12” by Kawneer, or approved substitution by other listed manufacturer, No. 26 Finish. Closers, surface mounted type, LCN 4041-CUSH, cover to be color to match door. Weather Stripping (3 sides). Bottom Sweep .Handicapped Threshold, clear aluminum mill finish. Provide construction cylinder and replace with final cylinder specified in Door Hardware Section within Building Product Manual. Final cylinders, panic devices, electric strikes and card readers by Door Hardware Section within Building Product Manual.
Part of an Assembly	N
Warranty	5 years (Structural). For Finish warranties, refer to notes.
Notes	Product Data Web Link:

https://www.ykkap.com/commercial/productguide/storefront/yes45tufront/product-data-sheet/
Where required, provide safety glass complying with CPSC 16 CFR Part 1201.

Insulating Glass complying with IGCC requirements and as follows:
- Total Thickness: 1”
- Thickness of Each Pane: 1/4"
- Air Space Thickness: 1/2"
Glass shall be fully-tempered or laminated where required. Where required, provide safety glass complying with CPSC 16 CFR Part 1201.
Low-e coating shall be applied to No. 2 surface.
Minimum insulated glass assembly performance:
- Visible Light Transmittance (VLT): 70
- Solar Heat Gain Coefficient (SHGC): 0.38
- Light to Solar Gain (LSG) Ratio: 1.85
Sealing System: Manufacturer's Standard Dual Seal as follows:
- Desiccant: Molecular Sieve or Silica Gel or Blend of Both.
- Spacer Material: Manufacturer's Standard Metal with Anodized Finish.
Finish Options & Colors:
1. Powder Coat Systems:
a. Non-Florida or Non-Coastal Projects require powder coat polyester complying with AAMA 2604, 10-year warranty. Color PPG-PCTT2314 (Enviracon 4).
b. For Florida and other coastal region projects, use 100% FEVE resin powder coating complying with AAMA 2605 with 20-year warranty. Color PPG-PCNT88101 (Coraflon).
2. Liquid-applied systems:
a. Use 2-coat, 50% PVDF resin system complying with AAMA 2604, 10-year warranty. Color PPG-UC43350 (Acrynar).
b. For Florida and coastal regions, use 2-coat, 70% PVDF resin system complying with AAMA 2605 with 20-year warranty. Color PPG-UC43350 (Duranar).
3. Anodized Finish Systems:
a. Electrolytically Deposited Anodic Coating, Class 1, Designation AAM12C21A44 conforming to AAMA 611 with 10-year warranty.

SPECIAL INSTRUCTIONS
Interior Storefront color & finish to match the Exterior Storefront

MANUFACTURER
Vendor Name: YKK AP
Contact Name: Mike Gilbert
Phone: (404) 451-1134
Email:

ALTERNATE MANUFACTURER 2
Vendor Name: EFCO Corporation
Contact Name:
Phone: 8002214169
Email:

ALTERNATE MANUFACTURER 3
Vendor Name: Kawneer

AREAS
Entrance Vestibule

Contact Name: Ian Cable
Phone: (603) 552-3541
Email:

ALTERNATE MANUFACTURER 4

Vendor Name: Oldcastle Building Envelope
Contact Name: Customer Service
Phone: (800) 899-8455
Email:

Glazing

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

WGL-003-VG

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Glazing
Item Type	Clear Float Glass
Description	Low iron composition, Type 1 (transparent glass, flat), Class 1 (clear), Quality q3 (glazing select)
Manufacturer	Vitro Architectural Glass
Model	Starphire Ultra-Clear® Glass
Dimensions	Thickness & Size as show on Design Guideline Drawings
Color	Clear
CSI #	088000 - Glazing
Omniclass #	22-088000 - Glazing
Quality Standards	Glass Association of North America (GANA) "Glazing Manual" and "Sealant Manual"; ASTM E1300 “Standard Practice for Determining Load Resistance of Glass in Buildings”; ASTM C1048 “Standard Specification for Heat-Treated Flat Glass—Kind HS, Kind FT Coated and Uncoated Glass”
Accessories	Manufacturer's recommended trim kit for installation in doors indicated
Glass Type	Glass Type I, Refer to Design Guideline Drawings
Notes	Other approved manufacturers: a. Pilkington North America (800-221-0444) b. Old Castle Glass, a CRH Company (800-899-8455) c. Viracon, Inc. (800-533-2080) d. AGC Glass Company North America (800-251-0441) e. Guardian Industries (248-340-1800)

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Vitro Architetural Glass
Contact Name: Customer Service
Phone: 855.887.6457
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Entrance Vestibule
Flex

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

WGL-004-PNA

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Glazing
Item Type	Tempered Glass
Description	1/4", Condition A (uncoated surfaces), Type 1 (transparent glass, flat), Class 1 (clear), Quality q3, clear, fully tempered safety glass.
Manufacturer	Pilkington North America
Model	Optifloat Tempered
Dimensions	Size as shown on Design Guideline Drawings
Color	Clear
CSI #	088000 - Glazing
Omniclass #	22-088000 - Glazing
Quality Standards	Glass Association of North America (GANA) "Glazing Manual" and "Sealant Manual"; ASTM E1300 “Standard Practice for Determining Load Resistance of Glass in Buildings”; ASTM C1048 “Standard Specification for Heat-Treated Flat Glass—Kind HS, Kind FT Coated and Uncoated Glass”
Accessories	Manufacturer's recommended trim kit for installation in doors indicated
Glass Type	Glass Type II, Refer to Design Guideline Drawings
Notes	Other approved manufacturers: a. Old Castle Glass, a CRH Company (800-899-8455) b. Viracon, Inc. (800-533-2080) c. AGC Glass Company North America (800-251-0441) d. Guardian Industries (248-340-1800)

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Pilkington North America
Contact Name: Customer Service
Phone: 800.221.0444
Email: BuildingProducts.PNA@nsg.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Entrance Vestibule
Flex

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

WGL-005-TGP

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Glazing
Item Type	Fire-Protective Ceramic Glass
Description	Proprietary product in the form of two plies of laminated clear ceramic flat sheets, permanently labeled with appropriate marks of testing and inspecting agency, acceptable to authorities having jurisdiction.
Manufacturer	Technical Glass Products
Model	FireLite Plus
Dimensions	5/16" Thick, Size as shown on Design Guideline Drawings
Color	Clear
Finish	Polished on both surfaces, transparent with minimum visible light transmission of 85 percent
CSI #	088000 - Glazing
Omniclass #	22-088000
Quality Standards	Glass Association of North America (GANA) "Glazing Manual" and "Sealant Manual"; ASTM E1300 “Standard Practice for Determining Load Resistance of Glass in Buildings”; ASTM C1048 “Standard Specification for Heat-Treated Flat Glass—Kind HS, Kind FT Coated and Uncoated Glass” ; 1. 10C "Positive Pressure Fire Tests of Door Assemblies"
Accessories	Manufacturer's recommended trim kit for installation in doors indicated
Glass Type	Refer to Design Guideline Drawings
Notes	Other approved manufacturers: a. 5/16” thick, “SGG Keralite FR-L”; Vetrotech Saint-Gobain (888-803-9533) b. 5/16” thick, “PYRAN Star L”; Schott North America, Inc. (800-657-4439) c. 5/16” thick, “PYRAN Platinum L”; Schott North America, Inc. (800-657-4439)

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS

Positive Pressure: Shall meet requirements of positive pressure test standards UL 10C.
1. NFPA 252 for Door Assemblies.
2. NFPA 257 for Window Assemblies.

MANUFACTURER

Vendor Name: Technical Glass Products (TGP)
Contact Name: Customer Service
Phone: 800.426.0279
Email: sales@fireglass.com

ALTERNATE MANUFACTURER 2

AREAS

Stairs
Guest Laundry
Fitness Center
Indoor Pool

ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Towneplace Suites by Marriott
OPENINGS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

WGL-006-TGP

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Glazing
Item Type	Fire-Protective Filmed Glazing Material
Description	Proprietary product in the form of one ply of clear ceramic flat sheet with clear safety film, permanently labeled with appropriate marks of testing and inspecting agency, acceptable to authorities having jurisdiction
Manufacturer	Technical Glass Products
Model	FireLite NT
Dimensions	3/16" Thick; Size as shown on Design Guideline Drawings
Color	Clear
Finish	Polished on both surfaces, transparent with minimum visible light transmission of 85 percent
CSI #	088000 - Glazing
Omniclass #	22-088000
Quality Standards	Glass Association of North America (GANA) "Glazing Manual" and "Sealant Manual"; ASTM E1300 “Standard Practice for Determining Load Resistance of Glass in Buildings”; ASTM C1048 “Standard Specification for Heat-Treated Flat Glass—Kind HS, Kind FT Coated and Uncoated Glass” ; 1. 10C "Positive Pressure Fire Tests of Door Assemblies"
Accessories	Manufacturer's recommended trim kit for installation in doors indicated
Glass Type	Refer to Design Guideline Drawings
Notes	Other approved manufacturers: a. 3/16” thick, “Superlite C/SP”; SAFTI First (800-653-3333) b. 3/16” thick, “SGG Keralite FR-F”; Vetrotech Saint-Gobain (888-803-9533) c. 3/16” thick, “PYRAN Star F”; Schott North America, Inc. (800-657-4439) d. 3/16” thick, “PYRAN Platinum F”; Schott North America, Inc. (800-657-4439)

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS

Positive Pressure: Shall meet requirements of positive pressure test standards UL 10C.
1. NFPA 252 for Door Assemblies.
2. NFPA 257 for Window Assemblies.

MANUFACTURER

Vendor Name: Technical Glass Products (TGP)
Contact Name: Customer Service
Phone: 800.426.0279
Email: sales@fireglass.com

AREAS

Stairs
Guest Laundry
Fitness Center

ALTERNATE MANUFACTURER 2	Indoor Pool
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

EQUIPMENT

Residential Appliances

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ERA-002-GE

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Dishwasher
Item Type	Dishwasher - Accessible
Description	Standard Wash System with 3 Wash Levels and Food Disposer; 4 or 7 Cycles.
Manufacturer	GE Appliances
Model	GDT225SSLSS
Dimensions	23.75" x 23.5" x 32.25” (WxDxH)
Color	Stainless Steel (Black Control Panel)
CSI #	113100 - Residential Appliances
Omniclass #	22-113100 Residential Appliances
Fire/Smoke Rating	Not Applicable
Acoustical Performance	dBA - 51
Compressive Strength	Not Applicable
Structural Performance	Not Applicable
Thermal Performance	Not Applicable
Quality Standards	NFPA 70, Article 100; ENERGY STAR Performance Rating System; UL and NEMA Compliance
Accessibility Compliance	ANSI A117.1-2009 and UFAS Compliant
Water Sense	No
Part of an Assembly	N
Energy Star	Yes
Electrical Connection	120V; 60Hz; 15.0A
Warranty	Parts Warranty - Limited 1-year entire appliance Labor Warranty - Limited 1-year entire appliance

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: GE Appliances
Contact Name: Benjamin Weingarten
Phone: (949) 653-5900
Email: ben.weingarten@geappliances.com

ALTERNATE MANUFACTURER 2

Vendor Name: Whirlpool Corporation
Contact Name:
Phone: 800-551-5146
Email:

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Employee Areas

GE APPLIANCES
a Haier company

Model#: GDT225SSLSS

GE® Built-In Dishwasher

Approx Dimensions (HxDxW):
32 1/4 in X 23 1/2 in X 23 3/4 in

- ADA Compliant with Low-Profile Installation - Great for 34” counter top heights and raised subfloors
- 3-Level Wash - Expect exceptionally clean table-ready dishes with powerful wash arms
- Autosense Cycle - A beam of light measures soil levels and water temperature to adjust to the ideal cycle time
- Piranha™ hard food disposer with removable filter - To ensure consistently clean items, this stainless steel blade rotates at 3,600 RPM to pulverize food particles and helps to prevent large particles from clogging the wash arms
- Sanitize option (NSF Certified) - High-temperature rinse sanitizes and reduces by 99.999% the bacteria found on dishes
- Quiet Package - dBA 51

Warranty Information:

- Parts Warranty : Limited 1-year entire appliance
- Labor Warranty : Limited 1-year entire appliance
- Warranty Notes : See written warranty for full details

GDT225SGL/SSL

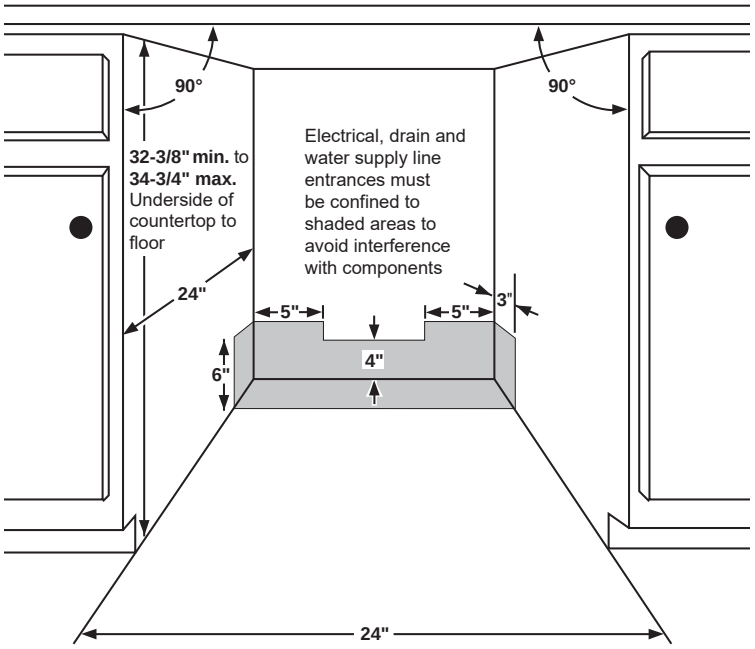
GE® Stainless Steel Interior Dishwasher with Hidden Controls

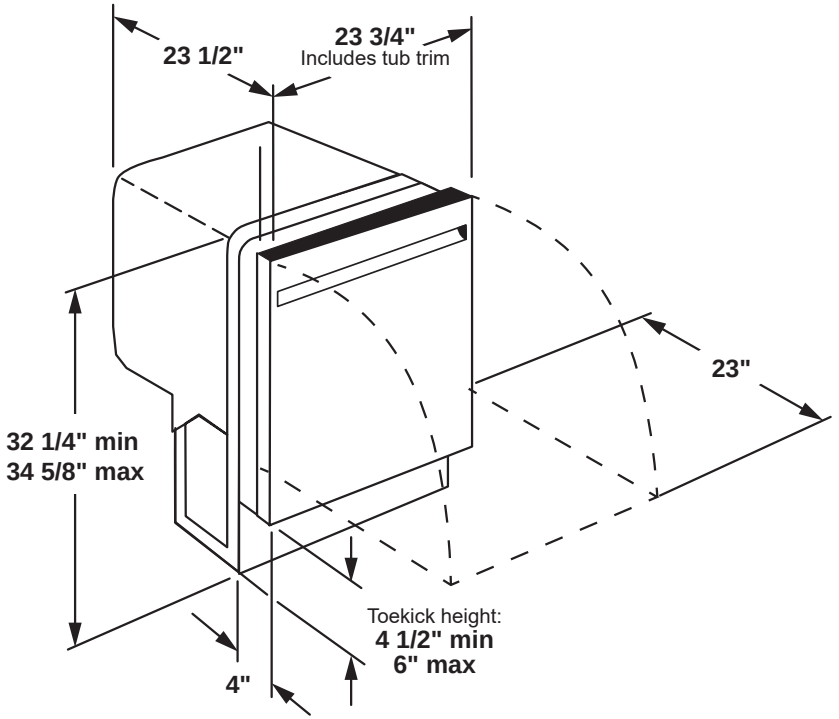
DIMENSIONS AND INSTALLATION INFORMATION (IN INCHES)

ELECTRICAL RATING

Voltage AC.....120
Hertz.....60
Total connected load amperage.....8.9

For use on adequately wired 120-volt, 15-amp circuit having 2-wire service with a separate ground wire. This appliance must be grounded for safe operation.





GE APPLIANCES

For answers to your Monogram, GE Café™ Series, GE Profile™ Series or GE Appliances product questions, visit our website at geappliances.com or call GE Answer Center® Service, 800.626.2000.

ADA COMPLIANT

NSF

UL® Listed by Underwriters Laboratories

ENERGY STAR

As an ENERGY STAR® partner, GE has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

Specification Revised 2/18

GDT225SGL/SSL

GE® Stainless Steel Interior Dishwasher with Hidden Controls

FEATURES AND BENEFITS

ADA Compliant with Low-Profile Installation – Great for 34″ counter top heights and raised subfloors

3-Level Wash – Expect exceptionally clean table-ready dishes with powerful wash arms

Autosense Cycle – A beam of light measures soil levels and water temperature to adjust to the ideal cycle time

Piranha™ hard food disposer with removable filter – To ensure consistently clean items, this stainless steel blade rotates at 3,600 RPM to pulverize food particles and helps to prevent large particles from clogging the wash arms

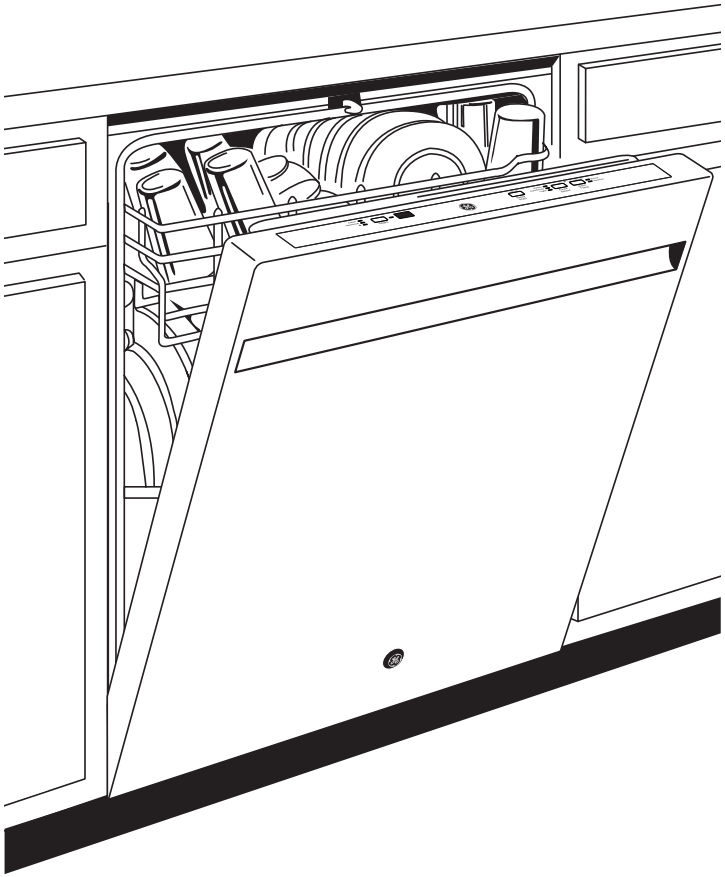
Sanitize option (NSF Certified) – High-temperature rinse sanitizes and reduces by 99.999% the bacteria found on dishes

dBA 51

Model GDT225SGLWW – White on white

Model GDT225SGLBB – Black on black

Model GDT225SSLSS – Stainless steel (shown)



GE APPLIANCES

As an ENERGY STAR® partner, GE has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

Specification Revised 2/18

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ERA-002-WP

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Dishwasher
Item Type	Dishwasher - Accessible
Description	Standard Wash System with 2 to 5 Wash Levels and Food Disposer; 4 or 7 Cycles.
Manufacturer	Whirlpool Corporation
Model	WDF550SAFS
Dimensions	23-9/16” x 24" x 32-1/2" (WxDxH)
Color	Stainless Steel (Black Control Panel)
CSI #	113100 - Residential Appliances
Omniclass #	22-113100 Residential Appliances
Fire/Smoke Rating	Not Applicable
Acoustical Performance	dBA - 54
Compressive Strength	Not Applicable
Structural Performance	Not Applicable
Thermal Performance	Not Applicable
Quality Standards	NFPA 70, Article 100; ENERGY STAR Performance Rating System; UL and NEMA Compliance
Accessibility Compliance	ANSI A117.1-2009 and UFAS Compliant
Water Sense	No
Part of an Assembly	N
Energy Star	Yes
Electrical Connection	120V; 60Hz; 15.0A
Warranty	Parts Warranty - Limited 1-year entire appliance Labor Warranty - Limited 1-year entire appliance

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Whirlpool Corporation
Contact Name:
Phone: 800-551-5146
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: GE Appliances
Contact Name: Benjamin Weingarten
Phone: (949) 653-5900
Email: ben.weingarten@geappliances.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Employee Areas

ERA-002-WP

WDF550SAFS

ENERGY STAR® Qualified Dishwasher With Cycle Memory

http://www.whirlpool.com

MSRP: $749

Key Features:

- ENERGY STAR® Qualified
- Stainless steel interior
- ADA Compliant
- Cup shelves
- Nylon rack coating
- Heated Dry Option
- High Temperature Wash option
- 2-4-6 Hour Delay Wash

Product Dimensions:

Height: 34 1/2

Width: 23 9/16

Depth: 24

Additional Information:

Use And Care

Dimension Guide

Installation Guide

Energy Guide

Warranty

Available in:

Black

Stainless Steel

White

ENERGY STAR

ADA Compliant

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Because Whirlpool Corporation policy includes a continuous commitment to improve our products, we reserve the right to change materials and specifications without notice. We also reserve the right to discontinue or transition products without notice.

Manufacturer's Suggested Retail Price (MSRP) and Minimum Advertised Price (MAP) provided for reference purposes only. Dealer alone determines advertised and retail prices.

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ERA-003-GE

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Disposal
Item Type	Disposal
Description	1/3 Horsepower Motor, 1725 or 2500 RPM; Line Cord Power Connection; Standard Sound Insulation Package
Manufacturer	GE Appliances
Model	GFC325N
Dimensions	5-3/16” x 12-11/16"
Color	Not Applicable
CSI #	113100 - Residential Appliances
Omniclass #	22-113100 Residential Appliances
Fire/Smoke Rating	Not Applicable
Acoustical Performance	Not Applicable
Compressive Strength	Not Applicable
Structural Performance	Not Applicable
Thermal Performance	Not Applicable
Quality Standards	NFPA 70, Article 100; ENERGY STAR Performance Rating System; UL and NEMA Compliance
Water Sense	No
Part of an Assembly	N
Electrical Connection	120V; 60Hz; 4.0A
Notes	Wall switch control (by others) with 6' long cord and male plug.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: GE Appliances
Contact Name: Benjamin Weingarten
Phone: (949) 653-5900
Email: ben.weingarten@geappliances.com

ALTERNATE MANUFACTURER 2

Vendor Name: Whirlpool Corporation
Contact Name:
Phone: 800-551-5146
Email:

AREAS

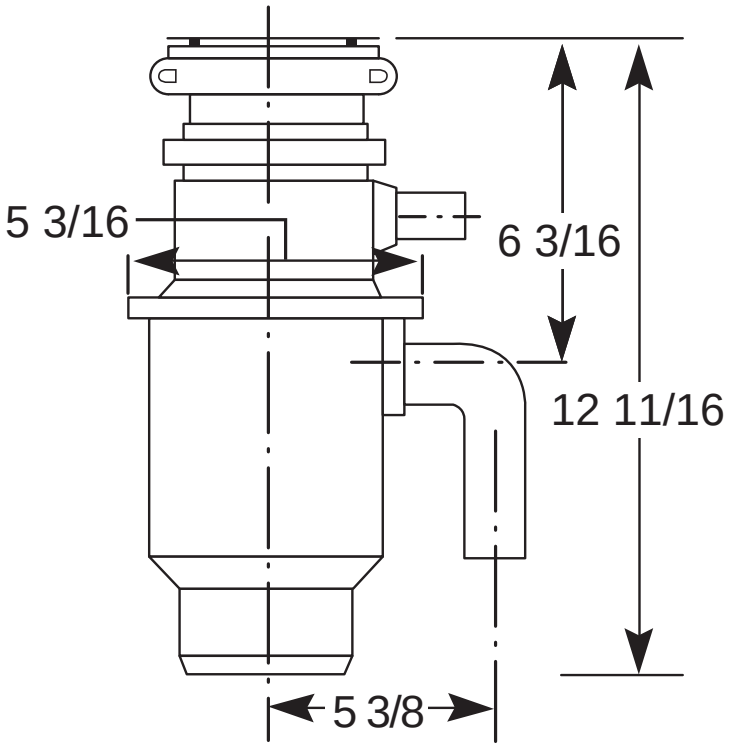
Employee Areas

ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

GFC325N

GE® 1/3 Horsepower Continuous-Feed Disposer

DISPOSALL® FOOD WASTE DISPOSER DIMENSIONS (IN INCHES)



INLET/OUTLET DIAMETERS	
Dishwasher inlet diameter (in.)	1
Drain outlet diameter (in.)	1-1/2

POWER/RATINGS	
Power Connection	Line Cord
Volts/Hertz/Amps	120 V/60 Hz/4.0 A

GE APPLIANCES

For answers to your GE Profile™ Series or GE Appliances product questions, visit our website at geappliances.com or call GE Answer Center® Service, 800.626.2000.

Listed by Underwriters Laboratories

Specification Revised 4/19

GFC325N

GE® 1/3 Horsepower Continuous-Feed Disposer

FEATURES AND BENEFITS

1/3 Horsepower Motor

Large-Capacity, Continuous-Feed Disposer

Over 2,300 RPM Grinding Action*

Stainless Steel Jam-Resistant, Dual-Swivel Impellers

EZ Mount installation

Line Cord Power Connection, length = 35"

Standard Sound Insulation Package

ColdRolled Carbon Steel Armature Shaft Material

SplashGuard

Wall Switch with Sink Stopper

Manual Reset Overload Protector

Dishwasher Drain Connector

Stainless Steel Sink Flange

Galvanized Steel Turntable

2 Level Precutter

Model GFC325N

*Based on RPM testing of cleared GE and competitive models

GE APPLIANCES

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ERA-003-WP

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Disposal
Item Type	Disposal
Description	1/3 Horsepower Motor, 1725 or 2500 RPM; Line Cord Power Connection; Standard Sound Insulation Package
Manufacturer	Whirlpool Corporation
Model	GC1000PE
Dimensions	6-5/8” x 11-3/8"
CSI #	113100 - Residential Appliances
Omniclass #	22-113100 Residential Appliances
Fire/Smoke Rating	Not Applicable
Acoustical Performance	Not Applicable
Compressive Strength	Not Applicable
Structural Performance	Not Applicable
Thermal Performance	Not Applicable
Quality Standards	NFPA 70, Article 100; ENERGY STAR Performance Rating System; UL and NEMA Compliance
Water Sense	No
Part of an Assembly	N
Energy Star	No
Electrical Connection	120V; 60Hz; 15.0A
Warranty	Parts Warranty - Limited 1-year entire appliance Labor Warranty - Limited 1-year entire appliance
Notes	Wall switch control (by others) with 6' long cord and male plug.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Whirlpool Corporation
Contact Name:
Phone: 800-551-5146
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ALTERNATE MANUFACTURER 2

Vendor Name: GE Appliances
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Phone: (949) 653-5900
Email: ben.weingarten@geappliances.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Employee Areas

ERA-003-WP

Whirlpool® 1/3 HP In-Sink Disposer

GC1000PE
Other

DIMENSIONS	
Height	11 3/8 Inches
Width	6 5/16 Inches

Dimensions shown are for planning purposes only. For complete information, see Installation Instructions packaged with product.

ELECTRICAL

15 or 20 Amps. 60 Hz. 120 V.

Before purchasing this appliance, read important information about its estimated annual energy consumption or energy efficiency rating that is available from your dealer.

KEY FEATURES

Continuous-Feed Operation
1/3 HP Motor
1,725 RPM
ABS Grind Chamber
Galvanized Steel Grinding Wheel & Shredder Ring
Stainless Steel Swivel Impellers
Overload Protector with Manual Reset
Plug and Cord Accessory Included
1-Year Limited Warranty

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ERA-005-GE

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Microwave Oven
Item Type	Microwave Oven - Countertop
Description	1.1 Cu. Ft Capacity Microwave Oven; 800 watts; turntable; 10 power levels.
Manufacturer	GE Appliance Sales
Model	PEM31SFSS
Dimensions	23-25/32" x 12-9/32" x 11-3/16"
Color	Stainless Steel on Black
CSI #	113100 - Residential Appliances
Omniclass #	22-113100 Residential Appliances
Fire/Smoke Rating	Not Applicable
Acoustical Performance	Not Applicable
Compressive Strength	Not Applicable
Structural Performance	Not Applicable
Thermal Performance	Not Applicable
Quality Standards	NFPA 70, Article 100; UL and NEMA Compliance
Accessibility Compliance	ANSI A117.1-2009 and UFAS Compliant
Part of an Assembly	N
Energy Star	No
Electrical Connection	120V; 60Hz; 11.5A
Warranty	Parts Warranty - Limited 1-year entire appliance Labor Warranty - Limited 1-year entire appliance

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: GE Appliances
Contact Name: Benjamin Weingarten
Phone: (949) 653-5900
Email: ben.weingarten@geappliances.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Employee Areas

GE Profile™ Series 1.1 Cu. Ft. Countertop Microwave Oven

Profile™ Series

Model# PEM31SFSS

FEATURES

Control Type	Electronic Touch
Cooking System	Turntable
Cooking Technology	Microwave
Electronic Digital Display with Clock	Yes
Express Cook	1-6 Minutes
Instant On Controls	Yes
Microwave Watts (IEC-705)	800.00 W
Power Levels	10
Turntable	Glass
Turntable On / Off	Yes
Turntable Size	10.625 in
Microwave Sensor Cooking Controls	Beverage; Defrost: Weight/Time; Popcorn; Potato; Reheat; Vegetable
Control Features	Add 30 Seconds; Cancel/Off; Cook Time; Cooking Complete Reminder; Power Level; Set Clock; Start/Pause; Timer On/Off; Turntable

- 1.1 cu. ft. capacity - 800 Watts (IEC-705 test procedure)
- Built-in capable microwave - This countertop microwave oven is built-in capable with a sleek matching trim kit
- Optional hanging kit - Frees up counter space
- Sensor cooking controls - Automatically adjusts time and power for delicious cooking results
- Weight and time defrost - Simply enter the weight of the food, and the oven automatically sets the optimal defrosting time and power level or set your desired time for defrosting
- Turntable On/Off - Controls turntable operation
- Control lockout - Helps prevent accidental activation
- "Add 30 seconds" button - Add 30 seconds of microwave cooking time
- Kitchen timer - Minute timer helps keep you on track
- Timer on/off - Minute timer helps keep you on track

Have more questions? Please contact 1-800-626-2005

ERA-002-CE

GE Profile™ Series 1.1 Cu. Ft. Countertop Microwave Oven

Profile™ Series

Model# PEM31SFSS

APPROXIMATE DIMENSIONS (HxDxW)
- **12 1/8 in x 12 7/8 in x 24 in**

CAPACITY
- **Total Capacity (cubic feet) 1.10 cu ft**

WARRANTY
- **Parts Warranty - Limited 1-year entire appliance**
- **Labor Warranty - Limited 1-year entire appliance**
- **Warranty Notes - See written warranty for full details**

Have more questions? Please contact 1-800-626-2005

ERA-002-CE

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ERA-012-GE-A1

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Refrigerator
Item Type	Refrigerator
Description	Frost Free Top-Freezer Refrigerator (no ice maker); Reversible Door Swing
Manufacturer	GE Appliance Sales
Model	GTE19JSNRSS
Dimensions	29-3/4" x 34-1/2" x 66-3/8"
Color	Stainless Steel (CleanSteel) with Stainless Steel Handle
CSI #	113100 - Residential Appliances
Omniclass #	22-113100 Residential Appliances
Fire/Smoke Rating	Not Applicable
Acoustical Performance	Not Applicable
Compressive Strength	Not Applicable
Structural Performance	Not Applicable
Thermal Performance	Not Applicable
Quality Standards	NFPA 70, Article 100; UL and NEMA Compliance; ENERGY STAR Performance Rating System
Accessibility Compliance	ANSI A117.1-2009 and UFAS Compliant
Part of an Assembly	N
Energy Star	Yes
Electrical Connection	120V; 60Hz; 15A
Warranty	Parts Warranty - Limited 1-year entire appliance Labor Warranty - Limited 1-year entire appliance

SPECIAL INSTRUCTIONS

Provide 10’-0” additional copper tubing coiled behind unit to allow maintenance. Use 90 degree elbow brass fitting to attach copper tubing to allow coiled copper to lie flat against back of unit.

MANUFACTURER

Vendor Name: GE Appliances
Contact Name: Benjamin Weingarten
Phone: (949) 653-5900
Email: ben.weingarten@geappliances.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Employee Areas

GE APPLIANCES
a Haier company

Model#: GTE19JSNRSS

GE® ENERGY STAR® 19.2 Cu. Ft. Top-Freezer Refrigerator

Approx Dimensions (HxDxW):
66 3/8 in X 34 1/2 in X 29 3/4 in

- Premium inner door - Enjoy greater flexibility and organizational options with modular bins right on the door
- LED lighting - Find all your favorite foods under natural-looking light
- Edge-to-edge glass shelves - Enjoy a polished look and easy-access cleaning with edge-to-edge shelves that extend the full width of the refrigerator
- Sliding deli drawer - Enjoy greater flexibility in your fridge and easily create more space for tall items with an innovative drawer that can be positioned wherever you prefer
- Adjustable wire freezer shelf - Easily adjusts between two positions to accommodate items of all shapes and sizes
- ADA-compliant - Designed for easy operation and access as required by the Americans with Disabilities Act
- ENERGY STAR® certified - Meets or exceeds federal guidelines for energy efficiency and provides year-round energy and money savings

Warranty Information:

- Parts Warranty : Limited 1-year entire appliance
- Labor Warranty : Limited 1-year entire appliance
- Warranty Notes : See written warranty for full details

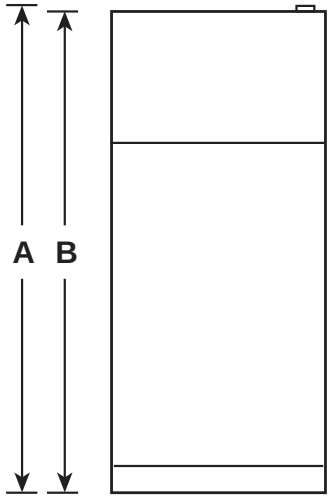
GTE19JSN/JTN

GE® ENERGY STAR® 19.1 Cu. Ft. Top-Freezer Refrigerator

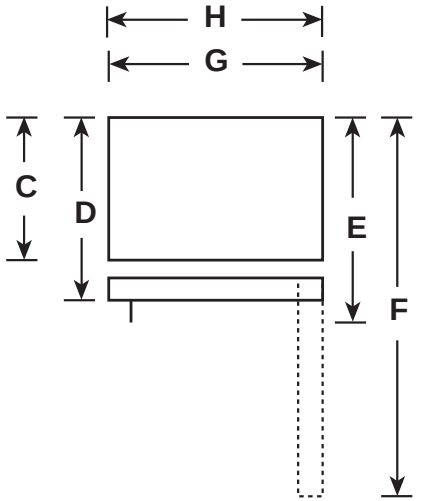
DIMENSIONS AND INSTALLATION INFORMATION (IN INCHES)

OVERALL DIMENSIONS	Height to top of hinge (in.) **A**	**66-3/8**
	Height to top of case (in.) **B**	**65-7/8**
	Case depth without door (in.) **C**	**28-5/8**
	Case depth less door handle (in.) **D**	**32-3/8**
	Case depth with door handle (in.) **E**	**34-1/2**
	Depth with fresh food door open 90˚ (in.) **F**	**60-1/2**
	Width (in.) **G**	**29-3/4**
	Width with door open 90˚ with door handle (in.) **H**	**32-3/8**
AIR CLEARANCES	Each side (in.)	**3/4**
	Top (in.)	**1**
	Back (in.)	**2**

FRONT VIEW



TOP VIEW



GE APPLIANCES

For answers to your Monogram, GE Café™ Series, GE Profile™ Series or GE Appliances product questions, visit our website at geappliances.com or call GE Answer Center® Service, 800.626.2000.

Listed by Underwriters Laboratories

As an ENERGY STAR® partner, GE has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

Specification Created 7/19

GTE19JSN/JTN

GE® ENERGY STAR® 19.1 Cu. Ft. Top-Freezer Refrigerator

FEATURES AND BENEFITS

Premium inner door – Enjoy greater flexibility and organizational options with modular bins right on the door

LED lighting – Find all your favorite foods under natural-looking light

Edge-to-edge glass shelves – Enjoy a polished look and easy-access cleaning with edge-to-edge shelves that extend the full width of the refrigerator

Sliding deli drawer – Enjoy greater flexibility in your fridge and easily create more space for tall items with an innovative drawer that can be positioned wherever you prefer

Adjustable wire freezer shelf – Easily adjusts between two positions to accommodate items of all shapes and sizes

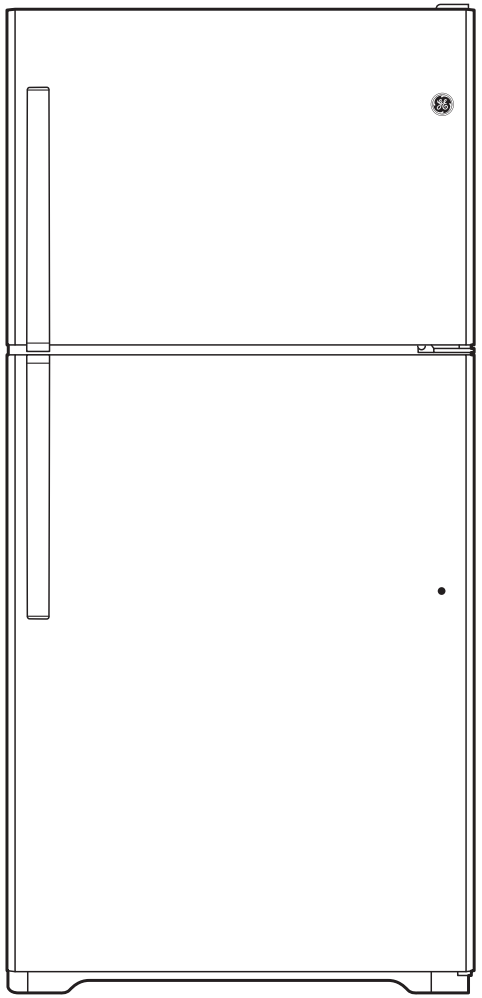
ADA-compliant – Designed for easy operation and access

Upfront temperature controls – Easy-to-use controls regulate both fresh food and freezer sections

Model GTE19JSNSS – Stainless steel

Model GTE19JTNBB – Black

Model GTE19JTNWW – White



ADA COMPLIANT

UFAS COMPLIANT

GE APPLIANCES

As an ENERGY STAR® partner, GE has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

Specification Created 7/19

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ERA-012-GE-A2

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Refrigerator
Item Type	Refrigerator
Description	Frost Free Top-Freezer Refrigerator (no ice maker); Reversible Door Swing
Manufacturer	GE Appliance Sales
Model	GTE17GSNRSS
Dimensions	28" x 32-5/8” x 64-3/4”
Color	Stainless Steel (CleanSteel) with Stainless Steel Handle
CSI #	113100 - Residential Appliances
Omniclass #	22-113100 Residential Appliances
Fire/Smoke Rating	Not Applicable
Acoustical Performance	Not Applicable
Compressive Strength	Not Applicable
Structural Performance	Not Applicable
Thermal Performance	Not Applicable
Quality Standards	NFPA 70, Article 100; UL and NEMA Compliance; ENERGY STAR Performance Rating System
Accessibility Compliance	ANSI A117.1-2009 and UFAS Compliant
Part of an Assembly	N
Energy Star	Yes
Electrical Connection	120V; 60Hz; 15A
Warranty	Parts Warranty - Limited 1-year entire appliance Labor Warranty - Limited 1-year entire appliance

SPECIAL INSTRUCTIONS

Provide 10’-0” additional copper tubing coiled behind unit to allow maintenance. Use 90 degree elbow brass fitting to attach copper tubing to allow coiled copper to lie flat against back of unit.

MANUFACTURER

Vendor Name: GE Appliances
Contact Name: Benjamin Weingarten
Phone: (949) 653-5900
Email: ben.weingarten@geappliances.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Employee Areas

GE APPLIANCES
a Haier company

Model#: GTE17GSNRSS

GE® ENERGY STAR® 16.6 Cu. Ft. Top-Freezer Refrigerator

Approx Dimensions (HxDxW):
64 3/4 in X 32 5/8 in X 28 in

• #1 in Quality and Dependability - Among 14-18 cu. ft. refrigerators based on an independent study of property maintenance personnel. Source: The Stevenson Company, 2016—Market research company with over 20 years of experience in the appliance industry
• LED lighting - Find all your favorite foods under natural-looking light
• Sliding deli drawer - Enjoy greater flexibility in your fridge and easily create more space for tall items with an innovative drawer that can be positioned wherever you prefer
• Edge-to-edge glass shelves - Enjoy a polished look and easy-access cleaning with edge-to-edge shelves that extend the full width of the refrigerator
• Adjustable wire freezer shelf - Easily adjusts between two positions to accommodate items of all shapes and sizes
• Upfront temperature controls - Easy-to-use controls regulate both fresh food and freezer sections
• High-gloss handles - Provide an appearance that is easy to clean

Warranty Information:

• Parts Warranty : Limited 1-year entire appliance
• Labor Warranty : Limited 1-year entire appliance
• Warranty Notes : See written warranty for full details

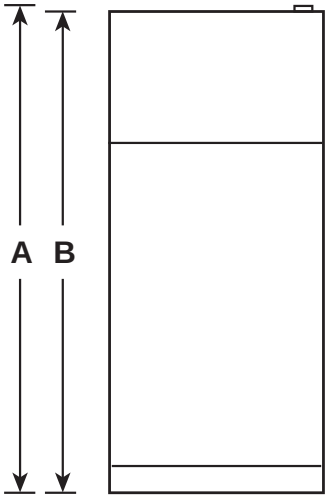
GTE17GTN/GSN

GE® ENERGY STAR® 16.6 Cu. Ft. Top-Freezer Refrigerator

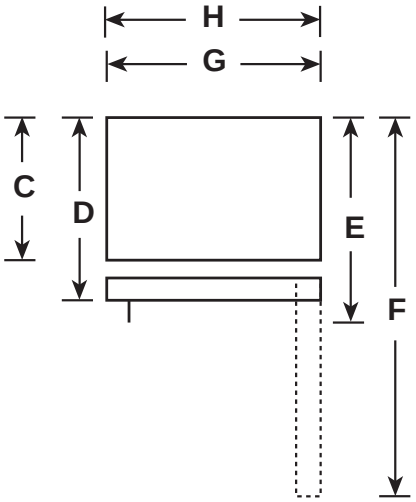
DIMENSIONS AND INSTALLATION INFORMATION (IN INCHES)

OVERALL DIMENSIONS	Height to top of hinge (in.) **A**	**64-3/4**
	Height to top of case (in.) **B**	**64-1/4**
	Case depth without door (in.) **C**	**26-3/4**
	Case depth less door handle (in.) **D**	**30-1/2**
	Case depth with door handle (in.) **E**	**32-5/8**
	Depth with fresh food door open 90˚ (in.) **F**	**57**
	Width (in.) **G**	**28**
	Width with door open 90˚ with door handle (in.) **H**	**30-5/8**
AIR CLEARANCES	Each side (in.)	**3/4**
	Top (in.)	**1**
	Back (in.)	**1**

FRONT VIEW



TOP VIEW



GE APPLIANCES

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Listed by Underwriters Laboratories

As an ENERGY STAR® partner, GE has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

Specification Created 7/19

GTE17GTN/GSN

GE® ENERGY STAR® 16.6 Cu. Ft. Top-Freezer Refrigerator

FEATURES AND BENEFITS

#1 in Quality and Dependability – Among 14-18 cu. ft. refrigerators based on an independent study of property maintenance personnel.

Source: The Stevenson Company, 2016—Market research company with over 20 years of experience in the appliance industry

LED lighting – Find all your favorite foods under natural-looking light

Edge-to-edge glass shelves – Enjoy a polished look and easy-access cleaning with edge-to-edge shelves that extend the full width of the refrigerator

Sliding deli drawer – Enjoy greater flexibility in your fridge and easily create more space for tall items with an innovative drawer that can be positioned wherever you prefer

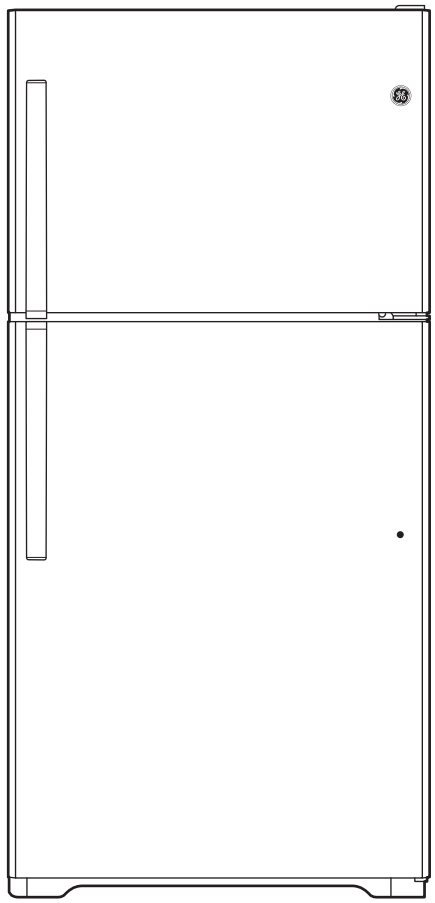
Adjustable wire freezer shelf – Easily adjusts between two positions to accommodate items of all shapes and sizes

Upfront temperature controls – Easy-to-use controls regulate both fresh food and freezer sections

Model GTE17GTNRWW – White

Model GTE17GTNRBB – Black

Model GTE17GSNRSS – Stainless steel



ADA COMPLIANT

UFAS COMPLIANT

GE APPLIANCES

As an ENERGY STAR® partner, GE has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

Specification Created 7/19

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ERA-012-GE-A3

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Refrigerator
Item Type	Refrigerator with Ice Maker
Description	Frost Free Top-Freezer Refrigerator with factory installed icemaker; Reversible Door Swing
Manufacturer	GE Appliance Sales
Model	GIE17GSNRSS
Dimensions	28" x 32-5/8” x 64-3/4”
Color	Stainless Steel (CleanSteel) with Stainless Steel Handle
CSI #	113100 - Residential Appliances
Omniclass #	22-113100 Residential Appliances
Fire/Smoke Rating	Not Applicable
Acoustical Performance	Not Applicable
Compressive Strength	Not Applicable
Structural Performance	Not Applicable
Thermal Performance	Not Applicable
Quality Standards	NFPA 70, Article 100; UL and NEMA Compliance; ENERGY STAR Performance Rating System
Accessibility Compliance	ANSI A117.1-2009 and UFAS Compliant
Part of an Assembly	N
Energy Star	Yes
Electrical Connection	120V; 60Hz; 15A
Warranty	Parts Warranty - Limited 1-year entire appliance Labor Warranty - Limited 1-year entire appliance

SPECIAL INSTRUCTIONS

Provide 10’-0” additional copper tubing coiled behind unit to allow maintenance. Use 90 degree elbow brass fitting to attach copper tubing to allow coiled copper to lie flat against back of unit.

MANUFACTURER

Vendor Name: GE Appliances
Contact Name: Benjamin Weingarten
Phone: (949) 653-5900
Email: ben.weingarten@geappliances.com

ALTERNATE MANUFACTURER 2

Vendor Name: Whirlpool Corporation
Contact Name:
Phone: 800-551-5146
Email:

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Employee Areas

GE APPLIANCES
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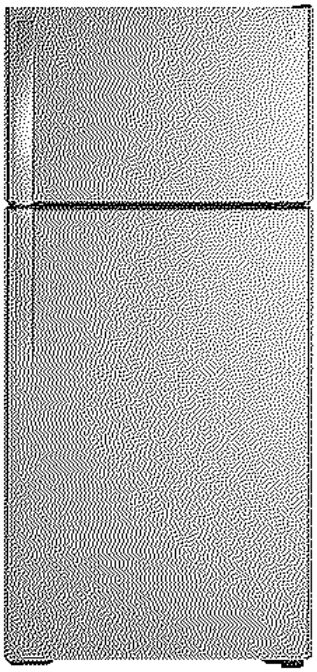


Model#: GIE17GSNRSS

GE® ENERGY STAR® 16.6 Cu. Ft. Top-Freezer Refrigerator

Approx Dimensions (HxDxW):
64 3/4 in X 32 5/8 in X 28 in

- #1 in Quality and Dependability - Among 14-18 cu. ft. refrigerators based on an independent study of property maintenance personnel. Source: The Stevenson Company, 2016—Market research company with over 20 years of experience in the appliance industry
- LED lighting - Find all your favorite foods under natural-looking light
- Edge-to-edge glass shelves - Enjoy a polished look and easy-access cleaning with edge-to-edge shelves that extend the full width of the refrigerator
- Sliding deli drawer - Enjoy greater flexibility in your fridge and easily create more space for tall items with an innovative drawer that can be positioned wherever you prefer
- Factory-installed icemaker - Refrigerator comes ready to automatically create ice
- Adjustable wire freezer shelf - Easily adjusts between two positions to accommodate items of all shapes and sizes
- Upfront temperature controls - Easy-to-use controls regulate both fresh food and freezer sections

Warranty Information:

- Parts Warranty : Limited 1-year entire appliance
- Labor Warranty : Limited 1-year entire appliance
- Warranty Notes : See written warranty for full details

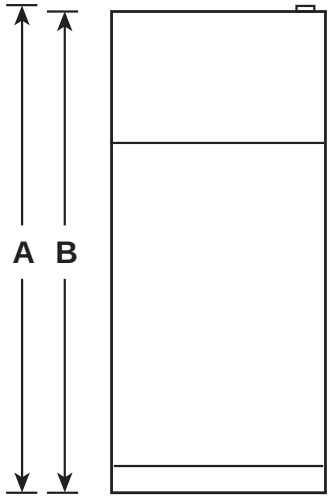
GIE17GSN

GE® ENERGY STAR® 16.6 Cu. Ft. Top-Freezer Refrigerator

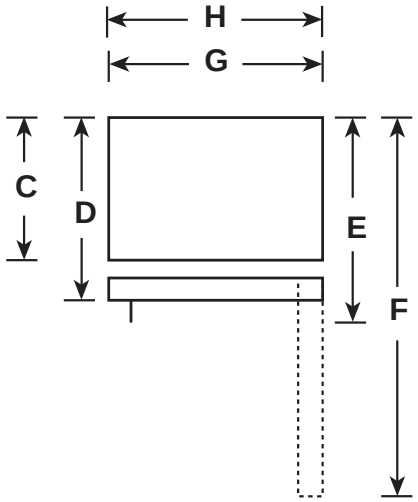
DIMENSIONS AND INSTALLATION INFORMATION (IN INCHES)

OVERALL DIMENSIONS	Height to top of hinge (in.) **A**	**64-3/4**
	Height to top of case (in.) **B**	**64-1/4**
	Case depth without door (in.) **C**	**26-3/4**
	Case depth less door handle (in.) **D**	**30-1/2**
	Case depth with door handle (in.) **E**	**32-5/8**
	Depth with fresh food door open 90˚ (in.) **F**	**57**
	Width (in.) **G**	**28**
	Width with door open 90˚ with door handle (in.) **H**	**30-5/8**
AIR CLEARANCES	Each side (in.)	**3/4**
	Top (in.)	**1**
	Back (in.)	**1**

FRONT VIEW



TOP VIEW



GE APPLIANCES

For answers to your Monogram, GE Café™ Series, GE Profile™ Series or GE Appliances product questions, visit our website at geappliances.com or call GE Answer Center® Service, 800.626.2000.

Listed by Underwriters Laboratories

As an ENERGY STAR® partner, GE has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

Specification Created 7/19

ERA-012-GE-A3

GIE17GSN

GE® ENERGY STAR® 16.6 Cu. Ft. Top-Freezer Refrigerator

FEATURES AND BENEFITS

#1 in Quality and Dependability – Among 14-18 cu. ft. refrigerators based on an independent study of property maintenance personnel.

Source: The Stevenson Company, 2016—Market research company with over 20 years of experience in the appliance industry

LED lighting – Find all your favorite foods under natural-looking light

Edge-to-edge glass shelves – Enjoy a polished look and easy-access cleaning with edge-to-edge shelves that extend the full width of the refrigerator

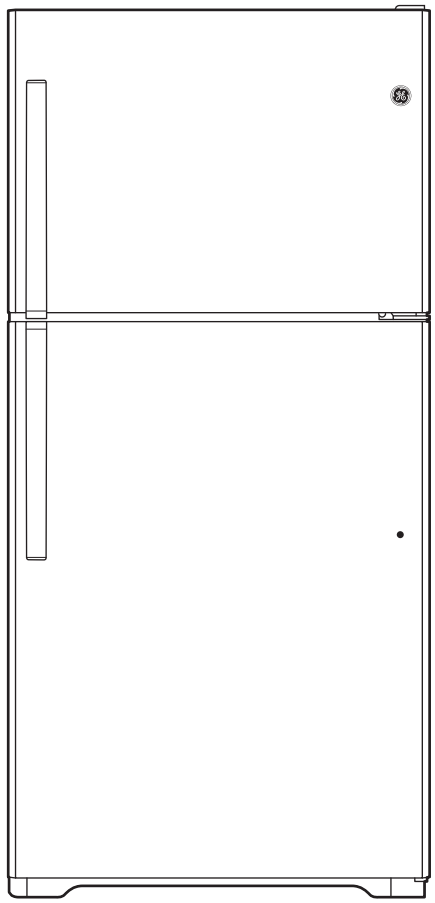
Sliding deli drawer – Enjoy greater flexibility in your fridge and easily create more space for tall items with an innovative drawer that can be positioned wherever you prefer

Factory-installed icemaker – Refrigerator comes ready to automatically create ice

Adjustable wire freezer shelf – Easily adjusts between two positions to accommodate items of all shapes and sizes

Upfront temperature controls – Easy-to-use controls regulate both fresh food and freezer sections

Model GIE17GSNRSS – Stainless steel



ADA COMPLIANT

UFAS COMPLIANT

GE APPLIANCES

As an ENERGY STAR® partner, GE has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

Specification Created 7/19

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ERA-012-WP-A1

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Refrigerator
Item Type	Refrigerator with Ice Maker
Description	Frost Free Top-Freezer Refrigerator with factory installed icemaker kit; Reversible Door Swing
Manufacturer	Whirlpool Corporation
Model	WRT138FZDM
Dimensions	29-1/2" x 31-3/8” x 65-7/8”
Color	Stainless Steel
CSI #	113100 - Residential Appliances
Omniclass #	22-113100 Residential Appliances
Fire/Smoke Rating	Not Applicable
Acoustical Performance	Not Applicable
Compressive Strength	Not Applicable
Structural Performance	Not Applicable
Thermal Performance	Not Applicable
Quality Standards	NFPA 70, Article 100; UL and NEMA Compliance; ENERGY STAR Performance Rating System
Accessibility Compliance	ANSI A117.1-2009 and UFAS Compliant
Part of an Assembly	N
Energy Star	Yes
Electrical Connection	120V; 60Hz; 15A
Warranty	Parts Warranty - Limited 1-year entire appliance Labor Warranty - Limited 1-year entire appliance

SPECIAL INSTRUCTIONS

Provide 10’-0” additional copper tubing coiled behind unit to allow maintenance. Use 90 degree elbow brass fitting to attach copper tubing to allow coiled copper to lie flat against back of unit.

MANUFACTURER

Vendor Name: Whirlpool Corporation
Contact Name:
Phone: 800-551-5146
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: GE Appliances
Contact Name: Benjamin Weingarten
Phone: (949) 653-5900
Email: ben.weingarten@geappliances.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Employee Areas

Whirlpool

30-inch Wide Top-Freezer Refrigerator - EZ Connect Icemaker Kit Compatible - 18.2 cu. ft.

4.3

64 Reviews

BASE MSRP
$899.00

There's always a place for fresh and frozen favorites inside the 30" wide top-freezer refrigerator with 18 cu. ft. capacity. To give you more convenient storage options, the Flexi-Slide™ bin quickly moves side-to-side. Electronic temperature controls let you choose the right temperature for your frozen favorites, and you won't have to fill ice trays in the top-freezer refrigerator again thanks to the compatible, easy-to-install EZ Connect icemaker kit (icemaker kit sold separately - model no. ECKMFEZ2).

AVAILABLE COLOR OPTIONS

ENERGYGUIDE

Monochromatic Stainless Steel - WRT138FZDM

FEATURES

Top Features

Flexi-Slide™ Bin
The Flexi-Slide™ bin quickly moves side-to-side for convenient storage options, so you can make space for items when you need it.

Electronic Temperature Control
Convenient, up-front electronic temperature controls let you choose the ideal temperature for whatever foods you're storing.

EZ Connect Ice Maker Compatible
Add an ice maker to this model with ease. It takes less than 5 minutes to install the EZ Connect ice maker inside this refrigerator.

Additional Features

Clear, Humidity Controlled Crispers

ENERGY STAR® Qualified

Top Mount Refrigerator

PRODUCT MODEL NUMBERS

WRT108FZD
WRT138FZD
WRT148FZD
WRT318FZD
WRT318FMD
WRT519SZD
WRT549SZD

Electrical: A 115-volt, 60-Hz, AC-only, 15- or 20-amp fused, grounded electrical supply is required. It is recommended that a separate circuit serving only your refrigerator be provided. Use an outlet that cannot be turned off by a switch. Do not use an extension cord.

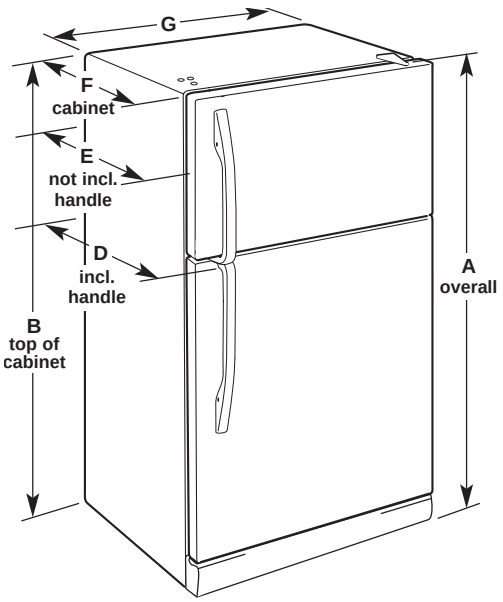
NOTE: Before performing any type of installation, cleaning, or removing a light bulb, turn the control (Thermostat, Refrigerator or Freezer Control depending on the model) to OFF and then disconnect the refrigerator from the electrical source. When you are finished, reconnect the refrigerator to the electrical source and reset the control (Thermostat, Refrigerator or Freezer Control depending on the model) to the desired setting. See "Using the Controls."

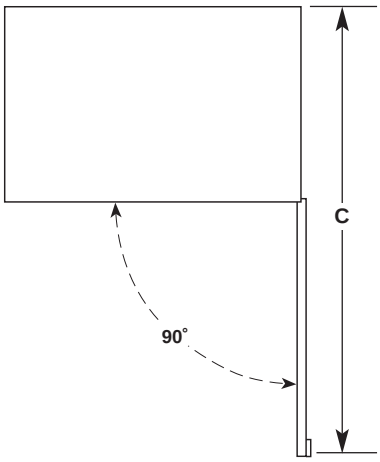
Water: A cold water supply with water pressure between 30 and 120 psi (207 and 827 kPa) is required to operate ice maker and water dispenser. If you have questions about your water pressure, call a licensed, qualified plumber.

IMPORTANT: The pressure of the water coming out of a reverse osmosis system going to the water inlet valve of the refrigerator needs to be between 30 and 120 psi (207 and 827 kPa).

Reverse Osmosis Water Supply: If a reverse osmosis water filtration system is connected to your cold water supply, the water pressure to the reverse osmosis system needs to be a minimum of 40 to 60 psi (276 to 414 kPa).

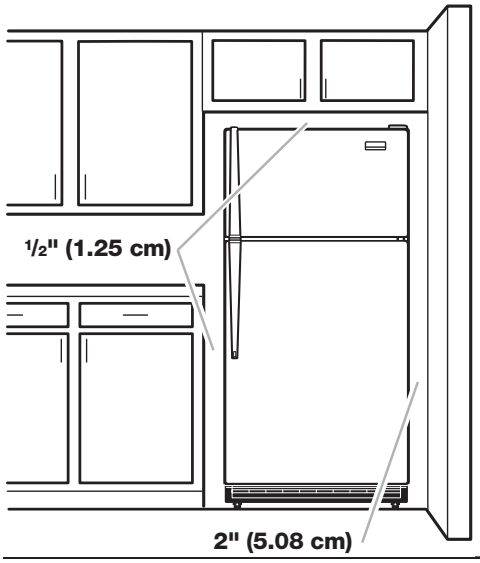
PRODUCT DIMENSIONS





Model Number	Model Size	Reversible Door	Height - Overall "A"	Height - Top of Cabinet "B"	Depth - Door Open 90° "C"	Depth - With Handles "D"	Depth - Without Handles "E"	Depth - Cabinet Only "F"	Width - Cabinet "G"
WRT108FZD WRT138FZD WRT148FZD WRT318FZD WRT318FMD	18.2 cu. ft.	Yes	65⅞" (167.3 cm)	65⅜" (166 cm)	59¾" (151.8 cm)	33½" (85 cm)	31⅜" (79.7 cm)	28⅞" (73.3 cm)	29¾" (75.6 cm)
WRT519SZD WRT549SZD	19.2 cu. ft.	Yes	65⅞" (167.3 cm)	65⅜" (166 cm)	59⅞" (152 cm)	34½" (87.6 cm)	32⅞" (83.5 cm)	28⅞" (73.3 cm)	29¾" (75.6 cm)

LOCATION REQUIREMENTS



To ensure proper ventilation for your refrigerator, allow for a ½" (1.25 cm) space on each and between overhead cabinets and refrigerator top. Allow at least 1" (2.5 cm) between back of cabinet and the wall. If your refrigerator has an ice maker, make sure you leave some extra space at the back for the water line connections.

If you are installing your refrigerator next to a fixed wall, leave 2" (5 cm) minimum on the hinge side (depending on your model) to allow for the door to swing open.

NOTE: This refrigerator is intended for use in a location where the temperature ranges from a minimum of 55°F (13°C) to a maximum of 110°F (43°C). The preferred room temperature range for optimum performance, which reduces electricity usage and provides superior cooling, is between 60°F (15°C) and 90°F (32°C). It is recommended that you do not install the refrigerator near a heat source, such as an oven or radiator.

Because Whirlpool Corporation policy includes a continuous commitment to improve our products, we reserve the right to change materials and specifications without notice.

Dimensions are for planning purposes only. For complete details, see Installation Instructions packed with product. Specifications subject to change without notice.

Ref. W10669181A
4/15

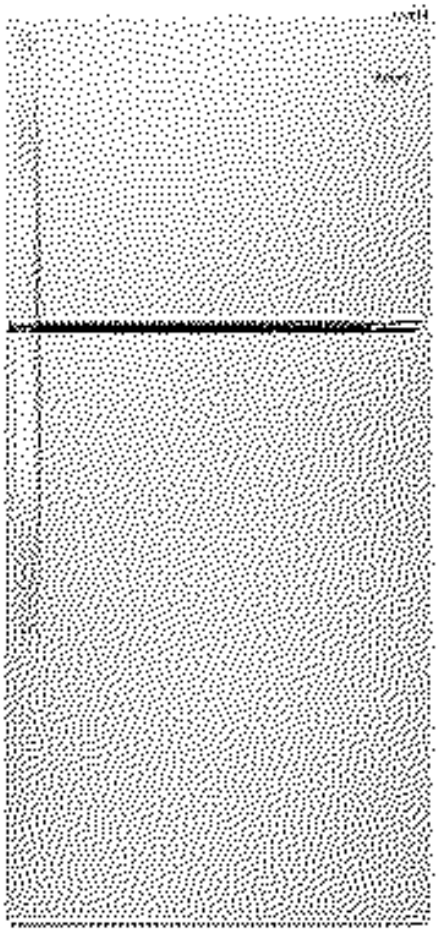
Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ERA-012-WP-A3

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Refrigerator
Item Type	Refrigerator with Ice Maker
Description	Frost Free Top-Freezer Refrigerator with factory installed icemaker; Reversible Door Swing
Manufacturer	Whirlpool Corporation
Model	WRT134TFDM
Dimensions	28” x 29-7/8” x 62-7/8”
Color	Stainless Steel
CSI #	113100 - Residential Appliances
Omniclass #	22-113100 Residential Appliances
Fire/Smoke Rating	Not Applicable
Acoustical Performance	Not Applicable
Compressive Strength	Not Applicable
Structural Performance	Not Applicable
Thermal Performance	Not Applicable
Quality Standards	NFPA 70, Article 100; UL and NEMA Compliance; ENERGY STAR Performance Rating System
Accessibility Compliance	ANSI A117.1-2009
Part of an Assembly	N
Energy Star	Yes
Electrical Connection	120V; 60Hz; 15A
Warranty	Parts Warranty - Limited 1-year entire appliance Labor Warranty - Limited 1-year entire appliance



SPECIAL INSTRUCTIONS

Provide 10’-0” additional copper tubing coiled behind unit to allow maintenance. Use 90 degree elbow brass fitting to attach copper tubing to allow coiled copper to lie flat against back of unit.

MANUFACTURER

Vendor Name: Whirlpool Corporation
Contact Name:
Phone: 800-551-5146
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: GE Appliances
Contact Name: Benjamin Weingarten
Phone: (949) 653-5900
Email: ben.weingarten@geappliances.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Employee Areas

ERA-012-WP-A3

Whirlpool®

Whirlpool® 28-inches wide Top-Freezer Refrigerator with Freezer Temperature Control - Monochromatic Stainless Steel

Model # WRT134TFDM

Available in 3 Color(s)

Monochromatic Stainless Steel (WRT134TFDM)

External Dimensions

Depth	32 1/8
Height	62 7/8
Width	28
Height To Top Of Cabinet	62 1/8
Depth with Door Open 90 Degrees	55 1/4
Depth Excluding Doors	25 1/4
Depth Closed Excluding Handles	25 7/8
Width with Doors Closed	28

Key Features

Freezer Temperature Control - To keep frozen items ice cold, freezer temperature controls allow you to adjust the temperature level of cold air in the freezer compartment.

EZ Connect Ice Maker Compatible - Add an ice maker to this model with ease. It takes less than 5 minutes to install the EZ Connect ice maker inside this refrigerator.

ENERGY STAR® Qualified

ERA-012-WP-A3

Specifications

Configuration and Overview

Energy Star® Qualified	ENERGY STAR® Qualified
Refrigerator Type	Top Mount
ADA Compliant	Yes
CEE Tier	Tier I
Door Style	Flat
Reversible Door	Yes
Handle Color	White

Capacity

Refrigerator Capacity	10.46
Freezer Capacity	3.87

Features

Door Bins	1 Dairy, 1 Fixed Partial-Width, 2 Fixed Full-Width
Non Climate-Control Drawers	2 Half Width

Freezer Features

Number of Freezer Shelves	1
Interior Shelves	1 Fixed Full Width Wire
Door Bins	2 Fixed Full-Width
Light	No
Ice Maker	Optional

Filtration and Dispensing

Ice Maker	Optional

Top Mount Refrigerator

PRODUCT MODEL NUMBERS

WRT104TFD WRT134TFD
WRT106TFD WRT314TFD

Electrical: A 115-volt, 60-Hz, AC-only, 15- or 20-amp fused, grounded electrical supply is required. It is recommended that a separate circuit serving only your refrigerator be provided. Use an outlet that cannot be turned off by a switch. Do not use an extension cord.

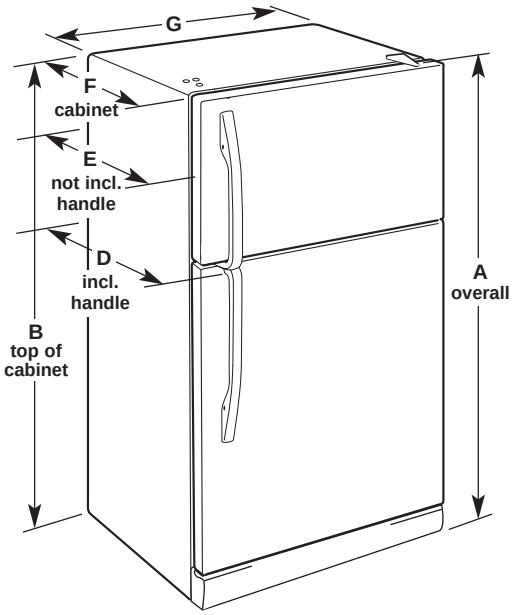
NOTE: Before performing any type of installation, cleaning, or removing a light bulb, turn the control (Thermostat, Refrigerator or Freezer Control depending on the model) to OFF and then disconnect the refrigerator from the electrical source. When you are finished, reconnect the refrigerator to the electrical source and reset the control (Thermostat, Refrigerator or Freezer Control depending on the model) to the desired setting. See "Using the Controls."

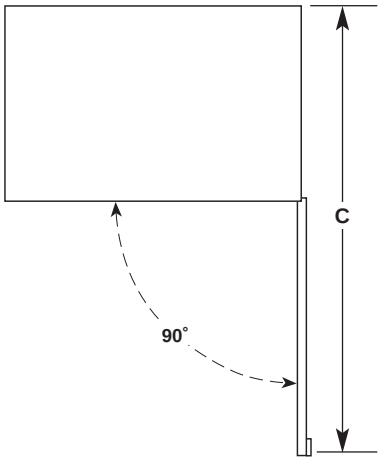
Water: A cold water supply with water pressure between 30 and 120 psi (207 and 827 kPa) is required to operate ice maker and water dispenser. If you have questions about your water pressure, call a licensed, qualified plumber.

IMPORTANT: The pressure of the water coming out of a reverse osmosis system going to the water inlet valve of the refrigerator needs to be between 30 and 120 psi (207 and 827 kPa).

Reverse Osmosis Water Supply: If a reverse osmosis water filtration system is connected to your cold water supply, the water pressure to the reverse osmosis system needs to be a minimum of 40 to 60 psi (276 to 414 kPa).

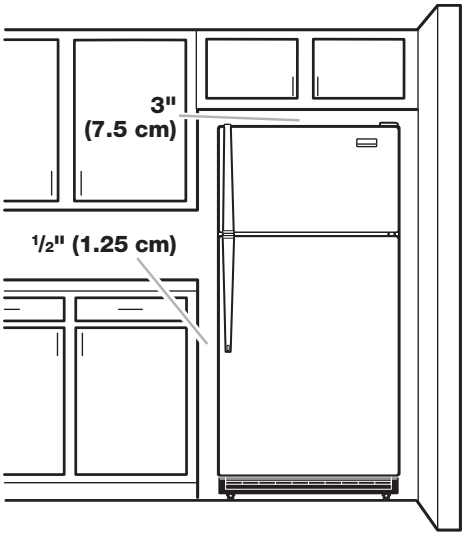
PRODUCT DIMENSIONS





Model Number	Model Size	Reversible Doors	Height - Overall "A"	Height - Top of Cabinet "B"	Depth - Door Open 90° "C"	Depth - With Handles "D"	Depth - Without Handles "E"	Depth - Cabinet Only "F"	Width - Cabinet "G"
WRT104TFD WRT314TFD	14.3 cu. ft.	Yes	62⅞" (159.7 cm)	62⅜" (158.4 cm)	56¾" (144.1 cm)	32¼" (82 cm)	30" (76.2 cm)	25¼" (64.1 cm)	28" (71.1 cm)
WRT134TFD	14.3 cu. ft.	Yes	62⅞" (159.7 cm)	62⅜" (158.4 cm)	55¾" (141.6 cm)	32⅛" (81.6 cm)	29⅞" (75.9 cm)	25¼" (64.1 cm)	28" (71.1 cm)
WRT106TFD	16 cu. ft.	Yes	65⅞" (167.3 cm)	65⅜" (166 cm)	56¾" (144.1 cm)	33½" (85 cm)	31¼" (79.4 cm)	25¼" (64.1 cm)	28" (71.1 cm)

LOCATION REQUIREMENTS



To ensure proper ventilation for your refrigerator, allow for a ½" (1.25 cm) space on each side. Allow 3" (7.5 cm) of space between overhead cabinets and refrigerator top. Allow at least 1" (2.5 cm) between back of cabinet and the wall. If your refrigerator has an ice maker, make sure you leave some extra space at the back for the water line connections.

If you are installing your refrigerator next to a fixed wall, leave enough space on the hinge side to allow for the door to swing open.

NOTE: This refrigerator is intended for use in a location where the temperature ranges from a minimum of 55°F (13°C) to a maximum of 110°F (43°C). The preferred room temperature range for optimum performance, which reduces electricity usage and provides superior cooling, is between 60°F (15°C) and 90°F (32°C). It is recommended that you do not install the refrigerator near a heat source, such as an oven or radiator.

Because Whirlpool Corporation policy includes a continuous commitment to improve our products, we reserve the right to change materials and specifications without notice.

Dimensions are for planning purposes only. For complete details, see Installation Instructions packed with product. Specifications subject to change without notice.

Ref. W10679185A
10/1/14

Elevators

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

EQE-001-ME

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Elevator - Holeless Hydraulic
Item Type	Passenger Elevator
Description	With Machine Room 2500 lbs or 3000 lbs Capacity Speed: 125 ft/min
Manufacturer	Mitsubishi Electric
Model	IDS Series
Dimensions	Elevator cab inside dimensions & hoistway dimension as standard with manufacturer and compliant with applicable codes
Material Composition	Varies
CSI #	14 24 23 Holeless Hydraulic Elevators
Omniclass #	22-14 24 23 Holeless Hydraulic Elevators
Operation	Single Car operation should be: Simplex Selective Collective Two Cars operation should be: "Duplex Selective Collective"; Over two cars, operation should be: "Group Automatic"
Quality Standards	ASME A17.1 Safety Code for Elevators and Requirements of Authorities Having Jurisdiction (AHJ);
Accessibility Compliance	Hoistway Door Jamb Markings
Door Frames	Stainless steel, No. 04 Satin finish, side-opening, two-speed
Signage	Refer to Interior Signage Specifications
Doors	Stainless steel, No. 04 Satin finish, side-opening, two-speed
Ceiling	5-LED Fixture Downlight, Stainless Steel L210S, No. 4 Satin
Control Panel	Push-button controls with Braille; stainless
Handrail	YH-57S stainless steel, 2" flat, No. 04 Satin finish.
Walls	Plastic Laminate, refer to elevator finishes (grain to run vertically & matched) / black baked enamel reveals. Up-Charge for using Wilsonart / Match to be approved by Marriott
Base	Stainless steel No. 04 Satin finish
Warranty	1 year
Notes	Sills: Aluminum, mill finish Hall Controls/panel: Hall push-buttons; stainless steel panel Safety Features: Infrared door re-opening sensor Maintenance Service: Optional at additional cost

SPECIAL INSTRUCTIONS
Work of related trades:

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Hoistway and Pit Construction by the General Contractor and/or modular elevator company
Refer to Finishes for Flooring.

MANUFACTURER

Vendor Name: Mitsubishi Electric
Contact Name: Customer Service
Phone: 714-220-4700
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: ThyssenKrupp Elevator
Contact Name: Customer Service
Phone: (800) 824-9666
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Otis Elevator Co
Contact Name: Customer Service
Phone: (800) 441-6847
Email:

ALTERNATE MANUFACTURER 4

Vendor Name: Schindler Elevator Corporation
Contact Name: Customer Service
Phone: 973-397-6500
Email:

AREAS

Elevators

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

EQE-001-OT

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Elevator - Holeless Hydraulic
Item Type	Passenger Elevator
Description	With Machine Room 2500 lbs or 3000 lbs Capacity Speed: 125 ft/min
Manufacturer	Otis Elevator Company
Model	HydroFit
Dimensions	Elevator cab inside dimensions & hoistway dimension as standard with manufacturer and compliant with applicable codes
Material Composition	Varies
CSI #	14 24 23 Holeless Hydraulic Elevators
Omniclass #	22-14 24 23 Holeless Hydraulic Elevators
Operation	Single Car operation should be: Simplex Selective Collective Two Cars operation should be: "Duplex Selective Collective"; Over two cars, operation should be: "Group Automatic"
Quality Standards	ASME A17.1 Safety Code for Elevators and Escalators and Requirements of Authorities Having Jurisdiction (AHJ)
Accessibility Compliance	Hoistway Door Jamb Markings
Door Frames	Stainless steel, No. 04 Satin finish, side-opening, two-speed
Doors	Stainless steel, No. 04 Satin finish, side-opening, two-speed
Ceiling	6-LED Fixture Downlight, Stainless Steel
Control Panel	Push-button controls with Braille; stainless
Handrail	Stainless steel, 2" flat, No. 04 Satin finish.
Walls	Plastic Laminate, refer to elevator finishes (grain to run vertically & matched) / black baked enamel reveals. Up-Charge for using Wilsonart / Match to be approved by Marriott
Base	Stainless steel No. 04 Satin finish
Warranty	1 year
Notes	Sills: Aluminum, mill finish Hall Controls/panel: Hall push-buttons; stainless steel panel Safety Features: Infrared door re-opening sensor Maintenance Service: Optional at additional cost

SPECIAL INSTRUCTIONS

Work of related trades:
Hoistway and Pit Construction by the General Contractor and/or modular elevator company
Refer to Design Guideline Drawing Finish Tags for Flooring.

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

MANUFACTURER

Vendor Name: Otis Elevator Co
Contact Name: Customer Service
Phone: (800) 441-6847
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: ThyssenKrupp Elevator
Contact Name: Customer Service
Phone: (800) 824-9666
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Schindler Elevator Corporation
Contact Name: Customer Service
Phone: 973-397-6500
Email:

ALTERNATE MANUFACTURER 4

Vendor Name: Mitsubishi Electric
Contact Name: Customer Service
Phone: 714-220-4700
Email:

AREAS

Elevators

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

EQE-001-SEC

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Elevator - Holeless Hydraulic
Item Type	Passenger Elevator - 2000 lbs, 2500 lbs or 3000 lbs Capacity
Description	With Machine Room 2500 lbs or 3000 lbs Capacity Speed: 150ft/min
Manufacturer	Schindler Elevator
Model	330A
Dimensions	Elevator cab inside dimensions & hoistway dimension as standard with manufacturer and compliant with applicable codes
Material Composition	Varies
CSI #	14 24 23 Holeless Hydraulic Elevators
Omniclass #	22-14 24 23 Holeless Hydraulic Elevators
Operation	Single Car operation should be: Simplex Selective Collective Two Cars operation should be: "Duplex Selective Collective"; Over two cars, operation should be: "Group Automatic"
Quality Standards	ASME A17.1 Safety Code for Elevators and Requirements of Authorities Having Jurisdiction (AHJ)
Accessibility Compliance	Hoistway Door Jamb Markings
Door Frames	Stainless steel, No. 04 Satin finish, side-opening, two-speed
Doors	Stainless steel, No. 04 Satin finish, side-opening, two-speed
Ceiling	6-LED Fixture Downlight, 3300 Suspended Concealed Frame, Stainless Steel, No 4 finish
Control Panel	Push-button controls with Braille; stainless
Handrail	Aluminum, 1-1/2” round, anodized aluminum finish
Walls	Plastic Laminate, refer to elevator finishes (grain to run vertically & matched) / black baked enamel reveals. Up-Charge for using Wilsonart / Match to be approved by Marriott
Base	Stainless steel No. 04 Satin finish
Warranty	1 year
Notes	Sills: Aluminum, mill finish Hall Controls/panel: Hall push-buttons; stainless steel panel Safety Features: Infrared door re-opening sensor Maintenance Service: Optional at additional cost

SPECIAL INSTRUCTIONS

Work of related trades:
Hoistway and Pit Construction by the General Contractor and/or modular elevator company
Refer to Design Guideline Drawing Finish Tags for Flooring.

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

MANUFACTURER

Vendor Name: Schindler Elevator Corporation
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ALTERNATE MANUFACTURER 2

Vendor Name: ThyssenKrupp Elevator
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ALTERNATE MANUFACTURER 3

Vendor Name: Otis Elevator Co
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ALTERNATE MANUFACTURER 4

Vendor Name: Mitsubishi Electric
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AREAS

Elevators

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

EQE-001-TK

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Elevator - Holeless Hydraulic
Item Type	Passenger Elevator - 2000 lbs, 2500 lbs or 3000 lbs Capacity
Description	With Machine Room 2500 lbs or 3000 lbs Capacity Speed: 150ft/min
Manufacturer	ThyssenKrupp
Model	Endura
Dimensions	Elevator cab inside dimensions & hoistway dimension as standard with manufacturer and compliant with applicable codes
Material Composition	Varies
CSI #	14 24 23 Holeless Hydraulic Elevators
Omniclass #	22-14 24 23 Holeless Hydraulic Elevators
Operation	Single Car operation should be: Simplex Selective Collective Two Cars operation should be: "Duplex Selective Collective"; Over two cars, operation should be: "Group Automatic"
Quality Standards	ASME A17.1 Safety Code for Elevators and Requirements of Authorities Having Jurisdiction (AHJ);
Accessibility Compliance	Hoistway Door Jamb Markings
Door Frames	Stainless steel, No. 04 Satin finish, side-opening, two-speed
Doors	Stainless steel, No. 04 Satin finish, side-opening, two-speed
Ceiling	6-LED Fixture Downlight, Stainless Steel
Control Panel	Push-button controls with Braille; stainless
Handrail	Stainless steel, 2" flat, No. 04 Satin finish.
Walls	Plastic Laminate, refer to elevator finishes (grain to run vertically & matched) / black baked enamel reveals. Up-Charge for using Wilsonart / Match to be approved by Marriott
Base	Stainless steel No. 04 Satin finish
Warranty	1 year
Notes	Sills: Aluminum, mill finish Hall Controls/panel: Hall push-buttons; stainless steel panel Safety Features: Infrared door re-opening sensor Maintenance Service: Optional at additional cost

SPECIAL INSTRUCTIONS

Work of related trades:
Hoistway and Pit Construction by the General Contractor and/or modular elevator company
Refer to Design Guideline Drawing Finish Tags for Flooring.

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

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AREAS

Elevators

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

EQE-002-ME

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Elevator - Holeless Hydraulic
Item Type	Service/Passenger Elevator
Description	With Machine Room 3500 lbs Capacity (minimum capacity for Emergency Stretchers) 4000 lbs Capacity (Service) Speed: 125 ft/min
Manufacturer	Mitsubishi Electric
Model	IDS Series
Dimensions	Elevator cab inside dimensions & hoistway dimension as standard with manufacturer and compliant with applicable codes
Material Composition	Varies
CSI #	14 24 23 Holeless Hydraulic Elevators
Omniclass #	22-14 24 23 Holeless Hydraulic Elevators
Operation	Single Car operation should be: Simplex Selective Collective Two Cars operation should be: "Duplex Selective Collective"; Over two cars, operation should be: "Group Automatic"
Quality Standards	ASME A17.1 Safety Code for Elevators and Requirements of Authorities Having Jurisdiction (AHJ); Car shall be designed to fit Emergency Stretcher per local codes
Accessibility Compliance	Hoistway Door Jamb Markings & Control Button Heights
Door Frames	Stainless steel, No. 04 Satin finish, side-opening, two-speed
Signage	Refer to Interior Signage Specifications
Doors	Stainless steel, No. 04 Satin finish, side-opening, two-speed
Ceiling	5-LED Fixture Downlight, Stainless Steel L210S, No. 4 Satin
Control Panel	Push-button controls with Braille; stainless
Handrail	YH-57S stainless steel, 2" flat, No. 04 Satin finish.
Walls	Plastic Laminate, refer to elevator finishes (grain to run vertically & matched) / black baked enamel reveals. Up-Charge for using Wilsonart / Match to be approved by Marriott
Base	Stainless steel No. 04 Satin finish
Warranty	1 year
Notes	Sills: Aluminum, mill finish Hall Controls/panel: Hall push-buttons; stainless steel panel. For grouped elevators, provide a single hall control button. Safety Features: Infrared door re-opening sensor ,

Fire Emergency Service, Emergency communication system
Maintenance Service: Optional at additional cost
Rear Elevator Cab Door shall be provided with a card reader compatible with Hotel Door System provided by Electronic Door Lock Manufacturer.

SPECIAL INSTRUCTIONS

Work of related trades:
Hoistway and Pit Construction by the General Contractor and/or modular elevator company.
Refer to Design Guideline Drawing Finish Tags for Flooring.

MANUFACTURER

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AREAS

Elevators

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

EQE-002-OT

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Elevator - Holeless Hydraulic
Item Type	Service/Passenger Elevator
Description	With Machine Room 3500 lbs Capacity (minimum capacity for Emergency Stretchers) 4000 lbs Capacity (Service) Speed: 125 ft/min
Manufacturer	Otis Elevator Company
Model	HydroFit
Dimensions	Elevator cab inside dimensions & hoistway dimension as standard with manufacturer and compliant with applicable codes
Material Composition	Varies
CSI #	14 24 23 Holeless Hydraulic Elevators
Omniclass #	22-14 24 23 Holeless Hydraulic Elevators
Operation	Single Car operation should be: Simplex Selective Collective Two Cars operation should be: "Duplex Selective Collective"; Over two cars, operation should be: "Group Automatic"
Quality Standards	ASME A17.1 Safety Code for Elevators and Requirements of Authorities Having Jurisdiction (AHJ); Car shall be designed to fit Emergency Stretcher per local codes
Accessibility Compliance	Hoistway Door Jamb Markings & Control Button Heights
Door Frames	Stainless steel, No. 04 Satin finish, side-opening, two-speed
Signage	Refer to Interior Signage Specifications
Doors	Stainless steel, No. 04 Satin finish, side-opening, two-speed
Ceiling	6-LED Fixture Downlight, Stainless Steel
Control Panel	Push-button controls with Braille; stainless
Handrail	2" flat, No. 04 Satin finish.
Walls	Plastic Laminate, refer to elevator finishes (grain to run vertically & matched) / black baked enamel reveals. Up-Charge for using Wilsonart / Match to be approved by Marriott
Base	Stainless steel No. 04 Satin finish
Warranty	1 year
Notes	Sills: Aluminum, mill finish Hall Controls/panel: Hall push-buttons; stainless steel panel. For grouped elevators, provide a single hall control button. Safety Features: Infrared door re-opening sensor , Fire Emergency Service, Emergency communication

system
Maintenance Service: Optional at additional cost
Rear Elevator Cab Door shall be provided with a card reader compatible with Hotel Door System provided by Electronic Door Lock Manufacturer.

SPECIAL INSTRUCTIONS

Work of related trades:
Hoistway and Pit Construction by the General Contractor and/or modular elevator company.
Refer to Design Guideline Drawing Finish Tags for Flooring.

MANUFACTURER

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ALTERNATE MANUFACTURER 4

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AREAS

Elevators

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

EQE-002-SEC

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Elevator - Holeless Hydraulic
Item Type	Service/Passenger Elevator
Description	With Machine Room 3500 lbs Capacity (minimum capacity for Emergency Stretchers) 4000 lbs Capacity (Service) Speed: 150 ft/min
Manufacturer	Schindler Elevator
Model	330A
Dimensions	Elevator cab inside dimensions & hoistway dimension as standard with manufacturer and compliant with applicable codes
Material Composition	Varies
CSI #	14 24 23 Holeless Hydraulic Elevators
Omniclass #	22-14 24 23 Holeless Hydraulic Elevators
Operation	Single Car operation should be: Simplex Selective Collective Two Cars operation should be: "Duplex Selective Collective"; Over two cars, operation should be: "Group Automatic"
Quality Standards	ASME A17.1 Safety Code for Elevators and Requirements of Authorities Having Jurisdiction (AHJ); Car shall be designed to fit Emergency Stretcher per local codes
Accessibility Compliance	Hoistway Door Jamb Markings & Control Button Heights
Door Frames	Stainless steel, No. 04 Satin finish, side-opening, two-speed
Signage	Refer to Interior Signage Specifications
Doors	Stainless steel, No. 04 Satin finish, side-opening, two-speed
Ceiling	6-LED Fixture Downlight, 3300 Suspended Concealed Frame, st stl, No 4 finish
Control Panel	Push-button controls with Braille; stainless
Handrail	Aluminum, 1-1/2” round, anodized aluminum finish
Walls	Plastic Laminate, refer to elevator finishes (grain to run vertically & matched) / black baked enamel reveals. Up-Charge for using Wilsonart / Match to be approved by Marriott
Base	Stainless steel No. 04 Satin finish
Warranty	1 year
Notes	Sills: Aluminum, mill finish Hall Controls/panel: Hall push-buttons; stainless steel panel. For grouped elevators, provide a single hall control button. Safety Features: Infrared door re-opening sensor ,

Fire Emergency Service, Emergency communication system
Maintenance Service: Optional at additional cost
Rear Elevator Cab Door shall be provided with a card reader compatible with Hotel Door System provided by Electronic Door Lock Manufacturer.

SPECIAL INSTRUCTIONS

Work of related trades:
Hoistway and Pit Construction by the General Contractor and/or modular elevator company.
Refer to Design Guideline Drawing Finish Tags for Flooring.

MANUFACTURER

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AREAS

Elevators

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

EQE-002-TK

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Elevator - Holeless Hydraulic
Item Type	Service/Passenger Elevator
Description	With Machine Room 3500 lbs Capacity (minimum capacity for Emergency Stretchers) 4000 lbs Capacity (Service) Speed: 150 ft/min
Manufacturer	ThyseenKrupp
Model	Endura
Dimensions	Elevator cab inside dimensions & hoistway dimension as standard with manufacturer and compliant with applicable codes
Material Composition	Varies
CSI #	14 24 23 Holeless Hydraulic Elevators
Omniclass #	22-14 24 23 Holeless Hydraulic Elevators
Operation	Single Car operation should be: Simplex Selective Collective Two Cars operation should be: "Duplex Selective Collective"; Over two cars, operation should be: "Group Automatic"
Quality Standards	ASME A17.1 Safety Code for Elevators and Requirements of Authorities Having Jurisdiction (AHJ); Car shall be designed to fit Emergency Stretcher per local codes
Accessibility Compliance	Hoistway Door Jamb Markings & Control Button Heights
Door Frames	Stainless steel, No. 04 Satin finish, side-opening, two-speed
Signage	Refer to Interior Signage Specifications
Doors	Stainless steel, No. 04 Satin finish, side-opening, two-speed
Ceiling	6-LED Fixture Downlight, Stainless Steel
Control Panel	Push-button controls with Braille; stainless
Handrail	2" flat, No. 04 Satin finish.
Walls	Plastic Laminate, refer to elevator finishes (grain to run vertically & matched) / black baked enamel reveals. Up-Charge for using Wilsonart / Match to be approved by Marriott
Base	Stainless steel No. 04 Satin finish
Warranty	1 year
Notes	Sills: Aluminum, mill finish Hall Controls/panel: Hall push-buttons; stainless steel panel. For grouped elevators, provide a single hall control button. Safety Features: Infrared door re-opening sensor , Fire Emergency Service, Emergency communication

system
Maintenance Service: Optional at additional cost
Rear Elevator Cab Door shall be provided with a card reader compatible with Hotel Door System provided by Electronic Door Lock Manufacturer.

SPECIAL INSTRUCTIONS

Work of related trades:
Hoistway and Pit Construction by the General Contractor and/or modular elevator company.
Refer to Design Guideline Drawing Finish Tags for Flooring.

MANUFACTURER

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ALTERNATE MANUFACTURER 2

Vendor Name: Otis Elevator Co
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ALTERNATE MANUFACTURER 3

Vendor Name: Schindler Elevator Corporation
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ALTERNATE MANUFACTURER 4

Vendor Name: Mitsubishi Electric
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AREAS

Elevators

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

EQE-003-ME

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Elevator - Holeless Hydraulic
Item Type	Passenger Elevator
Description	Machine-Room-Less 2500 lbs or 3000 lbs Capacity Speed: 125 ft/min
Manufacturer	Mitsubishi Electric
Model	IDS Series MRL
Dimensions	Elevator cab inside dimensions & hoistway dimension as standard with manufacturer and compliant with applicable codes
Material Composition	Varies
CSI #	14 24 23 Holeless Hydraulic Elevators
Omniclass #	22-14 24 23 Holeless Hydraulic Elevators
Operation	Single Car operation should be: Simplex Selective Collective Two Cars operation should be: "Duplex Selective Collective"; Over two cars, operation should be: "Group Automatic"
Quality Standards	ASME A17.1 Safety Code for Elevators and Requirements of Authorities Having Jurisdiction (AHJ);
Accessibility Compliance	Hoistway Door Jamb Markings
Door Frames	Stainless steel, No. 04 Satin finish, side-opening, two-speed
Signage	Refer to Interior Signage Specifications
Doors	Stainless steel, No. 04 Satin finish, side-opening, two-speed
Ceiling	5-LED Fixture Downlight, Stainless Steel L210S, No. 4 Satin
Control Panel	Push-button controls with Braille; stainless
Handrail	YH-57S stainless steel, 2" flat, No. 04 Satin finish.
Walls	Plastic Laminate, refer to elevator finishes (grain to run vertically & matched) / black baked enamel reveals. Up-Charge for using Wilsonart / Match to be approved by Marriott
Base	Stainless steel No. 04 Satin finish
Warranty	1 year
Notes	Sills: Aluminum, mill finish Hall Controls/panel: Hall push-buttons; stainless steel panel Safety Features: Infrared door re-opening sensor Maintenance Service: Optional at additional cost

SPECIAL INSTRUCTIONS
Work of related trades:

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Hoistway and Pit Construction by the General Contractor and/or modular elevator company
Refer to Design Guideline Drawing Finish Tags for Flooring.

MANUFACTURER

Vendor Name: Mitsubishi Electric
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ALTERNATE MANUFACTURER 4

AREAS

Elevators

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

EQE-003-OT

Revision 1

Real Living Decor Package

Issue Date: Nov 23, 2022
Revision Date:

Item Name	Elevator - Holeless Hydraulic
Item Type	Passenger Elevator
Description	Machine-Room-Less 2500 lbs or 3000 lbs Capacity Speed: 125 ft/min
Manufacturer	Otis Elevator Company
Model	HydroFit MRL
Dimensions	Elevator cab inside dimensions & hoistway dimension as standard with manufacturer and compliant with applicable codes
Material Composition	Varies
CSI #	14 24 23 Holeless Hydraulic Elevators
Omniclass #	22-14 24 23 Holeless Hydraulic Elevators
Operation	Single Car operation should be: Simplex Selective Collective Two Cars operation should be: "Duplex Selective Collective"; Over two cars, operation should be: "Group Automatic"
Quality Standards	ASME A17.1 Safety Code for Elevators and Escalators and Requirements of Authorities Having Jurisdiction (AHJ)
Accessibility Compliance	Hoistway Door Jamb Markings
Door Frames	Stainless steel, No. 04 Satin finish, side-opening, two-speed
Doors	Stainless steel, No. 04 Satin finish, side-opening, two-speed
Ceiling	6-LED Fixture Downlight, Stainless Steel
Control Panel	Push-button controls with Braille; stainless
Handrail	Stainless steel, 2" flat, No. 04 Satin finish.
Walls	Plastic Laminate, refer to elevator finishes (grain to run vertically & matched) / black baked enamel reveals. Up-Charge for using Wilsonart / Match to be approved by Marriott
Base	Stainless steel No. 04 Satin finish
Warranty	1 year
Notes	Sills: Aluminum, mill finish Hall Controls/panel: Hall push-buttons; stainless steel panel Safety Features: Infrared door re-opening sensor Maintenance Service: Optional at additional cost

SPECIAL INSTRUCTIONS

Work of related trades:
Hoistway and Pit Construction by the General Contractor and/or modular elevator company
Refer to Design Guideline Drawing Finish Tags for Flooring.

Real Living Decor Package

Issue Date: Nov 23, 2022
Revision Date:

MANUFACTURER

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ALTERNATE MANUFACTURER 3

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ALTERNATE MANUFACTURER 4

AREAS

Elevators

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

EQE-003-TK

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Elevator - Holeless Hydraulic
Item Type	Passenger Elevator - 2000 lbs, 2500 lbs or 3000 lbs Capacity
Description	Machine-Room-Less 2500 lbs or 3000 lbs Capacity Speed: 150ft/min
Manufacturer	ThyssenKrupp
Model	Endura MRL
Dimensions	Elevator cab inside dimensions & hoistway dimension as standard with manufacturer and compliant with applicable codes
Material Composition	Varies
CSI #	14 24 23 Holeless Hydraulic Elevators
Omniclass #	22-14 24 23 Holeless Hydraulic Elevators
Operation	Single Car operation should be: Simplex Selective Collective Two Cars operation should be: "Duplex Selective Collective"; Over two cars, operation should be: "Group Automatic"
Quality Standards	ASME A17.1 Safety Code for Elevators and Requirements of Authorities Having Jurisdiction (AHJ)
Accessibility Compliance	Hoistway Door Jamb Markings
Door Frames	Stainless steel, No. 04 Satin finish, side-opening, two-speed
Doors	Stainless steel, No. 04 Satin finish, side-opening, two-speed
Ceiling	6-LED Fixture Downlight, Stainless Steel
Control Panel	Push-button controls with Braille; stainless
Handrail	Stainless steel, 2" flat, No. 04 Satin finish.
Walls	Plastic Laminate, refer to elevator finishes (grain to run vertically & matched) / black baked enamel reveals. Up-Charge for using Wilsonart / Match to be approved by Marriott
Base	Stainless steel No. 04 Satin finish
Warranty	1 year
Notes	Sills: Aluminum, mill finish Hall Controls/panel: Hall push-buttons; stainless steel panel Safety Features: Infrared door re-opening sensor Maintenance Service: Optional at additional cost

SPECIAL INSTRUCTIONS

Work of related trades:
Hoistway and Pit Construction by the General Contractor and/or modular elevator company
Refer to Design Guideline Drawing Finish Tags for Flooring.

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

MANUFACTURER

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ALTERNATE MANUFACTURER 3

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ALTERNATE MANUFACTURER 4

AREAS

Elevators

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

EQE-005-KN

Revision 1

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date: **Nov 23, 2022**

Item Name	Elevator - Traction
Item Type	Passenger (Elevator A)
Description	Electric traction elevator, machine room-less (MRL); 2500 lb - 3000 lb capacity; 150 ft. per minute minimum speed.
Manufacturer	KONE
Model	EcoSpace
Dimensions	Minimum 6'-8" Wide x 4'-3" Deep x 8'-0"
Material Composition	Stainless steel, plastic laminate
CSI #	142123 - Electric Traction Elevators
Omniclass #	22-142123 - Electric Traction Elevators
Classification	Passenger elevator
Operation	Simplex selective collective for single elevators.
Best Practices	Recycled content of materials, low-emitting materials
Quality Standards	ANSI/ASME 17.1 “Safety Code for Elevators and Escalators”
Accessibility Compliance	ADA and ANSI A117.1
Accessories	Push-button controls with Braille; Hall push-buttons; Infrared door re-opening sensor; Fire Emergency Service; Emergency communication system
Door Frames	Stainless steel
Signage	As required by Authorities Having Jurisdiction
Doors	Stainless steel hoistway entrance doors
Ceiling	Stainless steel with recessed LED lighting.
Control Panel	Push-button controls with Braille
Handrail	Flat profile, satin stainless steel
Walls	Plastic Laminate, refer to elevator finishes (grain to run vertically & matched) / black baked enamel reveals. Up-Charge for using Wilsonart / Match to be approved by Marriott
Base	Stainless steel, No. 4 (satin) finish
Warranty	1 year
Notes	Acceptable Manufacturers: Kone Elevator; Customer Service; (630) 577-1650; www.kone.us Otis Elevator Co; Customer Service; (800) 441-6847; www.otis.com Mitsubishi Electric; Customer Service; (714) 220-4700; www.mitsubishielectric.com Schindler Elevator Corporation; Customer Service; (973) 397-6500; www.schindler.com ThyssenKrupp Elevator; Customer Service; (800) 824-9666; www.thyssenkruppelevator.com

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

SPECIAL INSTRUCTIONS

Hoistway and Pit Construction by the General Contractor.
Refer to Design Guideline Drawing Finish Tags for Flooring.

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ALTERNATE MANUFACTURER 3

Vendor Name: Mitsubishi Electric
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ALTERNATE MANUFACTURER 4

Vendor Name: Schindler Elevator Corporation
Contact Name: Customer Service
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AREAS

Elevators

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Elevator - Traction
Item Type	Passenger (Elevator A)
Description	Electric traction elevator, machine room-less (MRL); 2500 lb - 3000 lb capacity; 150 ft. per minute minimum speed.
Manufacturer	Mitsubishi
Model	DiamondTrac
Dimensions	Minimum 6'-8" Wide x 4'-3" Deep x 8'-0"
Material Composition	Stainless steel, plastic laminate
CSI #	142123 - Electric Traction Elevators
Omniclass #	22-142123 - Electric Traction Elevators
Classification	Passenger elevator
Operation	Simplex selective collective for single elevators.
Best Practices	Recycled content of materials, low-emitting materials
Quality Standards	ANSI/ASME 17.1 “Safety Code for Elevators and Escalators”
Accessibility Compliance	ADA and ANSI A117.1
Accessories	Push-button controls with Braille; Hall push-buttons; Infrared door re-opening sensor; Fire Emergency Service; Emergency communication system
Door Frames	Stainless steel
Signage	As required by Authorities Having Jurisdiction
Doors	Stainless steel hoistway entrance doors
Ceiling	Stainless steel with recessed LED lighting.
Control Panel	Push-button controls with Braille
Handrail	Flat profile, satin stainless steel
Walls	Plastic Laminate, refer to elevator finishes (grain to run vertically & matched) / black baked enamel reveals. Up-Charge for using Wilsonart / Match to be approved by Marriott
Base	Stainless steel, No. 4 (satin) finish
Warranty	1 year
Notes	Acceptable Manufacturers: Kone Elevator; Customer Service; (630) 577-1650; www.kone.us Otis Elevator Co; Customer Service; (800) 441-6847; www.otis.com Mitsubishi Electric; Customer Service; (714) 220-4700; www.mitsubishielectric.com Schindler Elevator Corporation; Customer Service; (973) 397-6500; www.schindler.com ThyssenKrupp Elevator; Customer Service; (800) 824-9666; www.thyssenkruppelevator.com

IMAGE NOT AVAILABLE

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

SPECIAL INSTRUCTIONS
Hoistway and Pit Construction by the General Contractor
Refer to Design Guideline Drawing Finish Tags for Flooring.

MANUFACTURER

Vendor Name: Mitsubishi Electric
Contact Name: Customer Service
Phone: 714-220-4700
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Otis Elevator Co
Contact Name: Customer Service
Phone: (800) 441-6847
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Kone Elevator
Contact Name:
Phone: 630-577-1650
Email:

ALTERNATE MANUFACTURER 4

Vendor Name: Schindler Elevator Corporation
Contact Name: Customer Service
Phone: 973-397-6500
Email:

AREAS

Elevators

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Elevator - Traction
Item Type	Passenger (Elevator A)
Description	Electric traction elevator, machine room-less (MRL); 2500 lb - 3000 lb capacity; 150 ft. per minute minimum speed.
Manufacturer	Otis Elevator Company
Model	Gen 2
Dimensions	Minimum 6'-8" Wide x 4'-3" Deep x 8'-0"
Material Composition	Stainless steel, plastic laminate
CSI #	142123 - Electric Traction Elevators
Omniclass #	22-142123 - Electric Traction Elevators
Classification	Passenger elevator
Operation	Simplex selective collective for single elevators.
Best Practices	Recycled content of materials, low-emitting materials
Quality Standards	ANSI/ASME 17.1 “Safety Code for Elevators and Escalators”
Accessibility Compliance	ADA and ANSI A117.1
Accessories	Push-button controls with Braille; Hall push-buttons; Infrared door re-opening sensor; Fire Emergency Service; Emergency communication system
Door Frames	Stainless steel
Signage	As required by Authorities Having Jurisdiction
Doors	Stainless steel hoistway entrance doors
Ceiling	Stainless steel with recessed LED lighting.
Control Panel	Push-button controls with Braille
Handrail	Flat profile, satin stainless steel
Walls	Plastic Laminate, refer to elevator finishes (grain to run vertically & matched) / black baked enamel reveals. Up-Charge for using Wilsonart / Match to be approved by Marriott
Base	Stainless steel, No. 4 (satin) finish
Warranty	1 year
Notes	Acceptable Manufacturers: Kone Elevator; Customer Service; (630) 577-1650; www.kone.us Otis Elevator Co; Customer Service; (800) 441-6847; www.otis.com Mitsubishi Electric; Customer Service; (714) 220-4700; www.mitsubishielectric.com Schindler Elevator Corporation; Customer Service; (973) 397-6500; www.schindler.com ThyssenKrupp Elevator; Customer Service; (800) 824-9666; www.thyssenkruppelevator.com

IMAGE NOT AVAILABLE

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

SPECIAL INSTRUCTIONS
Hoistway and Pit Construction by the General Contractor
Refer to Design Guideline Drawing Finish Tags for Flooring.

MANUFACTURER

Vendor Name: Otis Elevator Co
Contact Name: Customer Service
Phone: (800) 441-6847
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Kone Elevator
Contact Name:
Phone: 630-577-1650
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Mitsubishi Electric
Contact Name: Customer Service
Phone: 714-220-4700
Email:

ALTERNATE MANUFACTURER 4

Vendor Name: Schindler Elevator Corporation
Contact Name: Customer Service
Phone: 973-397-6500
Email:

AREAS

Elevators

EQE-005-SEC

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Elevator - Traction
Item Type	Passenger (Elevator A)
Description	Electric traction elevator, machine room-less (MRL); 2500 lb - 3000 lb capacity; 150 ft. per minute minimum speed.
Manufacturer	Schindler Elevator Corporation
Model	3300 Series
Dimensions	Minimum 6'-8" Wide x 4'-3" Deep x 8'-0"
Material Composition	Stainless steel, plastic laminate
CSI #	142123 - Electric Traction Elevators
Omniclass #	22-142123 - Electric Traction Elevators
Classification	Passenger elevator
Operation	Simplex selective collective for single elevators.
Best Practices	Recycled content of materials, low-emitting materials
Quality Standards	ANSI/ASME 17.1 “Safety Code for Elevators and Escalators”
Accessibility Compliance	ADA and ANSI A117.1
Accessories	Push-button controls with Braille; Hall push-buttons; Infrared door re-opening sensor; Fire Emergency Service; Emergency communication system
Door Frames	Stainless steel
Signage	As required by Authorities Having Jurisdiction
Doors	Stainless steel hoistway entrance doors
Ceiling	Stainless steel with recessed LED lighting.
Control Panel	Push-button controls with Braille
Handrail	Flat profile, satin stainless steel
Walls	Plastic Laminate, refer to elevator finishes (grain to run vertically & matched) / black baked enamel reveals. Up-Charge for using Wilsonart / Match to be approved by Marriott
Base	Stainless steel, No. 4 (satin) finish
Warranty	1 year
Notes	Acceptable Manufacturers: Kone Elevator; Customer Service; (630) 577-1650; www.kone.us Otis Elevator Co; Customer Service; (800) 441-6847; www.otis.com Mitsubishi Electric; Customer Service; (714) 220-4700; www.mitsubishielectric.com Schindler Elevator Corporation; Customer Service; (973) 397-6500; www.schindler.com ThyssenKrupp Elevator; Customer Service; (800) 824-9666; www.thyssenkruppelevator.com

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

SPECIAL INSTRUCTIONS

Hoistway and Pit Construction by the General Contractor
Refer to Design Guideline Drawing Finish Tags for Flooring.

MANUFACTURER

Vendor Name: Schindler Elevator Corporation
Contact Name: Customer Service
Phone: 973-397-6500
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Otis Elevator Co
Contact Name: Customer Service
Phone: (800) 441-6847
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Kone Elevator
Contact Name:
Phone: 630-577-1650
Email:

ALTERNATE MANUFACTURER 4

Vendor Name: Mitsubishi Electric
Contact Name: Customer Service
Phone: 714-220-4700
Email:

AREAS

Elevators

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

EQE-005-TK

Revision 1

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date: **Nov 23, 2022**

Item Name	Elevator - Traction
Item Type	Passenger (Elevator A)
Description	Electric traction elevator, machine room-less (MRL); 2500 lb - 3000lb capacity; 150 ft. per minute minimum speed.
Manufacturer	ThyssenKrupp
Model	Synergy
Dimensions	Minimum 6'-8" Wide x 4'-3" Deep x 8'-0"
Material Composition	Stainless steel, plastic laminate
CSI #	142123 - Electric Traction Elevators
Omniclass #	22-142123 - Electric Traction Elevators
Classification	Passenger elevator
Operation	Simplex selective collective for single elevators.
Best Practices	Recycled content of materials, low-emitting materials
Quality Standards	ANSI/ASME 17.1 “Safety Code for Elevators and Escalators”
Accessibility Compliance	ADA and ANSI A117.1
Water Sense	NA
Accessories	Push-button controls with Braille; Hall push-buttons; Infrared door re-opening sensor; Fire Emergency Service; Emergency communication system
Door Frames	Stainless steel
Signage	As required by Authorities Having Jurisdiction
Doors	Stainless steel hoistway entrance doors
Ceiling	Stainless steel with recessed LED lighting.
Control Panel	Push-button controls with Braille
Handrail	Flat profile, satin stainless steel
Walls	Plastic Laminate, refer to elevator finishes (grain to run vertically & matched) / black baked enamel reveals. Up-Charge for using Wilsonart / Match to be approved by Marriott
Base	Stainless steel, No. 4 (satin) finish
Warranty	1 year
Notes	Acceptable Manufacturers: Kone Elevator; Customer Service; (630) 577-1650; www.kone.us Otis Elevator Co; Customer Service; (800) 441-6847; www.otis.com Mitsubishi Electric; Customer Service; (714) 220-4700; www.mitsubishielectric.com Schindler Elevator Corporation; Customer Service; (973) 397-6500; www.schindler.com ThyssenKrupp Elevator; Customer Service; (800)

IMAGE NOT AVAILABLE

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date: **Nov 23, 2022**

824-9666; www.thyssenkruppelevator.com

SPECIAL INSTRUCTIONS

Hoistway and Pit Construction by the General Contractor
Refer to Design Guideline Drawing Finish Tags for Flooring.

MANUFACTURER

Vendor Name: ThyssenKrupp Elevator
Contact Name: Customer Service
Phone: (800) 824-9666
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Otis Elevator Co
Contact Name: Customer Service
Phone: (800) 441-6847
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Kone Elevator
Contact Name:
Phone: 630-577-1650
Email:

ALTERNATE MANUFACTURER 4

Vendor Name: Mitsubishi Electric
Contact Name: Customer Service
Phone: 714-220-4700
Email:

AREAS

Elevators

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

EQE-006-KN

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Elevator - Traction
Item Type	Service (Elevator B)
Description	Electric traction elevator, machine room-less (MRL); 3500 lb - 4000 lb capacity; 150 ft. per minute minimum speed.
Manufacturer	KONE
Model	EcoSpace
Dimensions	Minimum 6'-8" Wide x 5'-5" Deep x 8'-0"
Material Composition	Stainless steel, plastic laminate
CSI #	142123 - Electric Traction Elevators
Omniclass #	22-142123 - Electric Traction Elevators
Classification	Passenger elevator
Operation	Simplex selective collective for single elevators.
Best Practices	Recycled content of materials, low-emitting materials
Quality Standards	ANSI/ASME 17.1 “Safety Code for Elevators and Escalators”
Accessibility Compliance	ADA and ANSI A117.1
Accessories	Push-button controls with Braille; Hall push-buttons; Infrared door re-opening sensor; Fire Emergency Service; Emergency communication system
Door Frames	Stainless steel
Signage	As required by Authorities Having Jurisdiction
Doors	Stainless steel hoistway entrance doors
Ceiling	Stainless steel with recessed LED lighting.
Control Panel	Push-button controls with Braille
Handrail	Flat profile, satin stainless steel
Walls	Plastic Laminate, refer to elevator finishes (grain to run vertically & matched) / black baked enamel reveals. Up-Charge for using Wilsonart / Match to be approved by Marriott
Base	Stainless steel, No. 4 (satin) finish
Warranty	1 year
Notes	Acceptable Manufacturers: Kone Elevator; Customer Service; (630) 577-1650; www.kone.us Otis Elevator Co; Customer Service; (800) 441-6847; www.otis.com Mitsubishi Electric; Customer Service; (714) 220-4700; www.mitsubishielectric.com Schindler Elevator Corporation; Customer Service; (973) 397-6500; www.schindler.com ThyssenKrupp Elevator; Customer Service; (800) 824-9666; www.thyssenkruppelevator.com

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

EQE-006-KN

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

SPECIAL INSTRUCTIONS

Car shall be designed to fit Emergency Stretcher per local codes
Rear Elevator Cab Door shall be provided with a card reader compatible with Hotel Door System provided by Electronic Door Lock Manufacturer
Hoistway and Pit Construction by the General Contractor
Refer to Design Guideline Drawing Finish Tags for Flooring.

MANUFACTURER

Vendor Name: Kone Elevator
Contact Name:
Phone: 630-577-1650
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Otis Elevator Co
Contact Name: Customer Service
Phone: (800) 441-6847
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Mitsubishi Electric
Contact Name: Customer Service
Phone: 714-220-4700
Email:

ALTERNATE MANUFACTURER 4

Vendor Name: Schindler Elevator Corporation
Contact Name: Customer Service
Phone: 973-397-6500
Email:

AREAS

Elevators

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

EQE-006-ME

Revision 1

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date: **Nov 23, 2022**

Item Name	Elevator - Traction
Item Type	Service (Elevator B)
Description	Electric traction elevator, machine room-less (MRL); 3500 lb - 4000 lb capacity; 150 ft. per minute minimum speed.
Manufacturer	Mitsubishi
Model	DiamondTrac
Dimensions	Minimum 6'-8" Wide x 5'-5" Deep x 8'-0"
Material Composition	Stainless steel, plastic laminate
CSI #	142123 - Electric Traction Elevators
Omniclass #	22-142123 - Electric Traction Elevators
Classification	Passenger elevator
Operation	Simplex selective collective for single elevators.
Best Practices	Recycled content of materials, low-emitting materials
Quality Standards	ANSI/ASME 17.1 “Safety Code for Elevators and Escalators”
Accessibility Compliance	ADA and ANSI A117.1
Accessories	Push-button controls with Braille; Hall push-buttons; Infrared door re-opening sensor; Fire Emergency Service; Emergency communication system
Door Frames	Stainless steel
Signage	As required by Authorities Having Jurisdiction
Doors	Stainless steel hoistway entrance doors
Ceiling	Stainless steel with recessed LED lighting.
Control Panel	Push-button controls with Braille
Handrail	Flat profile, satin stainless steel
Walls	Plastic Laminate, refer to elevator finishes (grain to run vertically & matched) / black baked enamel reveals. Up-Charge for using Wilsonart / Match to be approved by Marriott
Base	Stainless steel, No. 4 (satin) finish
Warranty	1 year
Notes	Acceptable Manufacturers: Kone Elevator; Customer Service; (630) 577-1650; www.kone.us Otis Elevator Co; Customer Service; (800) 441-6847; www.otis.com Mitsubishi Electric; Customer Service; (714) 220-4700; www.mitsubishielectric.com Schindler Elevator Corporation; Customer Service; (973) 397-6500; www.schindler.com ThyssenKrupp Elevator; Customer Service; (800) 824-9666; www.thyssenkruppelevator.com

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

SPECIAL INSTRUCTIONS

Car shall be designed to fit Emergency Stretcher per local codes
Rear Elevator Cab Door shall be provided with a card reader compatible with Hotel Door System provided by Electronic Door Lock Manufacturer
Hoistway and Pit Construction by the General Contractor
Refer to Design Guideline Drawing Finish Tags for Flooring.

MANUFACTURER

Vendor Name: Mitsubishi Electric
Contact Name: Customer Service
Phone: 714-220-4700
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Otis Elevator Co
Contact Name: Customer Service
Phone: (800) 441-6847
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Kone Elevator
Contact Name:
Phone: 630-577-1650
Email:

ALTERNATE MANUFACTURER 4

Vendor Name: Schindler Elevator Corporation
Contact Name: Customer Service
Phone: 973-397-6500
Email:

AREAS

Elevators

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

EQE-006-OT

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Elevator - Traction
Item Type	Service (Elevator B)
Description	Electric traction elevator, machine room-less (MRL); 3500 lb - 4000 lb capacity; 150 ft. per minute minimum speed.
Manufacturer	Otis Elevator Company
Model	Gen 2
Dimensions	Minimum 6'-8" Wide x 5'-5" Deep x 8'-0"
Material Composition	Stainless steel, plastic laminate
CSI #	142123 - Electric Traction Elevators
Omniclass #	22-142123 - Electric Traction Elevators
Classification	Passenger elevator
Operation	Simplex selective collective for single elevators.
Best Practices	Recycled content of materials, low-emitting materials
Quality Standards	ANSI/ASME 17.1 “Safety Code for Elevators and Escalators”
Accessibility Compliance	ADA and ANSI A117.1
Accessories	Push-button controls with Braille; Hall push-buttons; Infrared door re-opening sensor; Fire Emergency Service; Emergency communication system
Door Frames	Stainless steel
Signage	As required by Authorities Having Jurisdiction; Rere to Interior Signage Specifications
Doors	Stainless steel hoistway entrance doors
Ceiling	Stainless steel with recessed LED lighting.
Control Panel	Push-button controls with Braille
Handrail	Flat profile, satin stainless steel
Walls	Plastic Laminate, refer to elevator finishes (grain to run vertically & matched) / black baked enamel reveals. Up-Charge for using Wilsonart / Match to be approved by Marriott
Base	Stainless steel, No. 4 (satin) finish
Warranty	1 year
Notes	Acceptable Manufacturers: Kone Elevator; Customer Service; (630) 577-1650; www.kone.us Otis Elevator Co; Customer Service; (800) 441-6847; www.otis.com Mitsubishi Electric; Customer Service; (714) 220-4700; www.mitsubishielectric.com Schindler Elevator Corporation; Customer Service; (973) 397-6500; www.schindler.com ThyssenKrupp Elevator; Customer Service; (800) 824-9666; www.thyssenkruppelevator.com

IMAGE NOT AVAILABLE

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

SPECIAL INSTRUCTIONS

Car shall be designed to fit Emergency Stretcher per local codes
Rear Elevator Cab Door shall be provided with a card reader compatible with Hotel Door System provided by Electronic Door Lock Manufacturer.
Hoistway and Pit Construction by the General Contractor
Refer to Design Guideline Drawing Finish Tags for Flooring.

MANUFACTURER

Vendor Name: Otis Elevator Co
Contact Name: Customer Service
Phone: (800) 441-6847
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Kone Elevator
Contact Name:
Phone: 630-577-1650
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Mitsubishi Electric
Contact Name: Customer Service
Phone: 714-220-4700
Email:

ALTERNATE MANUFACTURER 4

Vendor Name: Schindler Elevator Corporation
Contact Name: Customer Service
Phone: 973-397-6500
Email:

AREAS

Elevators

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Elevator - Traction
Item Type	Service (Elevator B)
Description	Electric traction elevator, machine room-less (MRL); 3500 lb - 4000 lb capacity; 150 ft. per minute minimum speed.
Manufacturer	Schindler
Model	3300 Series
Dimensions	Minimum 6'-8" Wide x 5'-5" Deep x 8'-0"
Material Composition	Stainless steel, plastic laminate
CSI #	142123 - Electric Traction Elevators
Omniclass #	22-142123 - Electric Traction Elevators
Classification	Passenger elevator
Operation	Simplex selective collective for single elevators.
Best Practices	Recycled content of materials, low-emitting materials
Quality Standards	ANSI/ASME 17.1 “Safety Code for Elevators and Escalators”
Accessibility Compliance	ADA and ANSI A117.1
Accessories	Push-button controls with Braille; Hall push-buttons; Infrared door re-opening sensor; Fire Emergency Service; Emergency communication system
Door Frames	Stainless steel
Signage	As required by Authorities Having Jurisdiction
Doors	Stainless steel hoistway entrance doors
Ceiling	Stainless steel with recessed LED lighting.
Control Panel	Push-button controls with Braille
Handrail	Flat profile, satin stainless steel
Walls	Plastic Laminate, refer to elevator finishes (grain to run vertically & matched) / black baked enamel reveals. Up-Charge for using Wilsonart / Match to be approved by Marriott
Base	Stainless steel, No. 4 (satin) finish
Warranty	1 year
Notes	Acceptable Manufacturers: Kone Elevator; Customer Service; (630) 577-1650; www.kone.us Otis Elevator Co; Customer Service; (800) 441-6847; www.otis.com Mitsubishi Electric; Customer Service; (714) 220-4700; www.mitsubishielectric.com Schindler Elevator Corporation; Customer Service; (973) 397-6500; www.schindler.com ThyssenKrupp Elevator; Customer Service; (800) 824-9666; www.thyssenkruppelevator.com

IMAGE NOT AVAILABLE

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

SPECIAL INSTRUCTIONS

Car shall be designed to fit Emergency Stretcher per local codes
Rear Elevator Cab Door shall be provided with a card reader compatible with Hotel Door System provided by Electronic Door Lock Manufacturer
Hoistway and Pit Construction by the General Contractor
Refer to Design Guideline Drawing Finish Tags for Flooring.

MANUFACTURER

Vendor Name: Schindler Elevator Corporation
Contact Name: Customer Service
Phone: 973-397-6500
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Otis Elevator Co
Contact Name: Customer Service
Phone: (800) 441-6847
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Kone Elevator
Contact Name:
Phone: 630-577-1650
Email:

ALTERNATE MANUFACTURER 4

Vendor Name: Mitsubishi Electric
Contact Name: Customer Service
Phone: 714-220-4700
Email:

AREAS

Elevators

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

EQE-006-TK

Revision 1

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date: **Nov 23, 2022**

Item Name	Elevator - Traction
Item Type	Service (Elevator B)
Description	Electric traction elevator, machine room-less (MRL); 3500 lb - 4000lb capacity; 150 ft. per minute minimum speed.
Manufacturer	ThyssenKrupp
Model	Synergy
Dimensions	Minimum 6'-8" Wide x 5'-5" Deep x 8'-0"
Material Composition	Stainless steel, plastic laminate
CSI #	142123 - Electric Traction Elevators
Omniclass #	22-142123 - Electric Traction Elevators
Classification	Passenger elevator
Operation	Simplex selective collective for single elevators.
Best Practices	Recycled content of materials, low-emitting materials
Quality Standards	ANSI/ASME 17.1 “Safety Code for Elevators and Escalators”
Accessibility Compliance	ADA and ANSI A117.1
Accessories	Push-button controls with Braille; Hall push-buttons; Infrared door re-opening sensor; Fire Emergency Service; Emergency communication system
Door Frames	Stainless steel
Signage	As required by Authorities Having Jurisdiction
Doors	Stainless steel hoistway entrance doors
Ceiling	Stainless steel with recessed LED lighting.
Control Panel	Push-button controls with Braille
Handrail	Flat profile, satin stainless steel
Walls	Plastic Laminate, refer to elevator finishes (grain to run vertically & matched) / black baked enamel reveals. Up-Charge for using Wilsonart / Match to be approved by Marriott
Base	Stainless steel, No. 4 (satin) finish
Warranty	1 year
Notes	Acceptable Manufacturers: Kone Elevator; Customer Service; (630) 577-1650; www.kone.us Otis Elevator Co; Customer Service; (800) 441-6847; www.otis.com Mitsubishi Electric; Customer Service; (714) 220-4700; www.mitsubishielectric.com Schindler Elevator Corporation; Customer Service; (973) 397-6500; www.schindler.com ThyssenKrupp Elevator; Customer Service; (800) 824-9666; www.thyssenkruppelevator.com

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

EQE-006-TK

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

SPECIAL INSTRUCTIONS

Car shall be designed to fit Emergency Stretcher per local codes
Rear Elevator Cab Door shall be provided with a card reader compatible with Hotel Door System provided by Electronic Door Lock Manufacturer
Hoistway and Pit Construction by the General Contractor
Refer to Design Guideline Drawing Finish Tags for Flooring.

MANUFACTURER

Vendor Name: ThyssenKrupp Elevator
Contact Name: Customer Service
Phone: (800) 824-9666
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Otis Elevator Co
Contact Name: Customer Service
Phone: (800) 441-6847
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Kone Elevator
Contact Name:
Phone: 630-577-1650
Email:

ALTERNATE MANUFACTURER 4

Vendor Name: Mitsubishi Electric
Contact Name: Customer Service
Phone: 714-220-4700
Email:

AREAS

Elevators

Holeless Hydraulic

Holeless Hydraulic-MRL

Traction

Elevator Finishes

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

LA-007-WIL_ELEV

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Plastic Laminate
Item Type	Type 107 General Purpose (HGS) Laminate
Description	General purpose laminate product
Manufacturer	Wilsonart
Model	#7850-12
Dimensions	0.045" Plus Minus 0.005" Thickness, Standard Sheet Widths 36", 48", 60" x Standard Sheet Lengths 96", 120", 144"
Color	Beigewood
Finish	Matte
Material Composition	Melamine impregnated decorative surface papers combined with fire retardant phenolic treated kraft paper
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023 - Interior Architectural Woodwork
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Beigewood 7850-12 Matte
Warranty	1 Year
Notes	Recommended substrates for laminates are Particleboard, Medium Density Fiberboard (MDF) or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates.

SPECIAL INSTRUCTIONS

1. Run grain direction vertically unless noted otherwise.
2. PVC Edgebanding:
a. Exposed Ends: Grade VGS plastic laminate or minimum 0.030-inch thick PVC edge banding. Color to match exposed faces.
b. Semi-exposed Ends; Grade VGS plastic laminate or minimum 0.030-inch thick PVC edge banding. Color to match exposed faces.
3. Melamine at all vertical surfaces/HPL at all horizontal surfaces
4. Elevator Interior Cab: Materials shall comply with NEMA LD-3
a. Fire-Retardant Treated Particleboard Panels : Minimum ½-inch thick backup for plastic laminate veneered panels, provided with suitable anti-warp backing; to meet ASTM E84 Class “A” rating with flame-spread rating of 25 or less.

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

MANUFACTURER	AREAS
Vendor Name: Wilsonart International Contact Name: Amy Morgenweck Phone: 917-951-6524 Email: morgena@wilsonart.com	Elevators
ALTERNATE MANUFACTURER 2	
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Linen Chutes

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Linen Chute
Item Type	Linen Chute
Description	Laundry Chute
Manufacturer	Chutes International
Model	Linen Chute
Dimensions	24" diameter
Material Composition	16 gage aluminized steel per NFPA 82
CSI #	149133 - Laundry and Linen Chutes
Omniclass #	22-149133 - Laundry and Linen Chutes
Fire/Smoke Rating	2-Hour rated partitions (1-1/2 hour for doors)
Quality Standards	Underwriter's Laboratories, Inc. (UL); NFPA 13 “Installation of Sprinkler Systems”; NFPA82 “Standard on Incinerators and Waste and Linen Handling Systems and Equipment”
Accessories	Flushing Spray Head: 3/4" IPS; installed above top intake door. Sprinkler Heads: 1/2 IPS; located at or above top service opening of chute, at alternate floor levels in buildings over two stories in height, and at lowest service area, unless otherwise required by local code. Recess heads out of chute area through which linen travels, with rea designed to avoid collection of foreign matter. Offsets (bends) in the chute, if required, shall be made the same diameter as the chute of 16 gage aluminized steel and have an additional layer of 13 gage aluminized steel reinforcing the impact area. Offsets are not to deviate more than 15 degrees off the vertical axis of the chute.
Warranty	Furnish manufacturer’s standard one (1) year warranty from date of temporary certificate of occupancy or similar, locally mandated permission to use the project common areas for their intended use. Warranty shall apply to defects in product workmanship and materials.
Notes	1. Vent: Extend full diameter chute section through roof; [terminate top 4'-0" above roof]. Equip 16 gage aluminized steel vent cap with ventilation air space around full diameter of vent riser, insect screen, condensation gutter, roof flashing. Provide roof curb at low slope roofs, installed by roofing contractor. 2. For New Build projects the door in to the space containing the Chute Intake door is required to have a Card Reader. If card reader is provided, the Chute Intake door is permitted to be unlocked by a key. a. UL Labeled Door Units: Provide UL 1-1/2 hour labeled door units with 30-minute temperature rise of 250 deg. F., (139 deg. C.), complete with closers. b. Chute Intake Door/Frame Units: Provide self-closing units at each landing and at heights above

IMAGE NOT AVAILABLE

floor as indicated. Use manufacturer's recommended heights if not otherwise shown. Provide 21 inch x 18 inch door size. Equip doors with positive latch, latch handle, and manufacturer's standard keyed cylinder locks. [Key outside locks and unlocks door.] [Key outside opens door, but when removed locks door.] Provide manufacturer's standard stainless steel door units, ANSI Type 302/304 with standard satin finish or No. 3 directional polish.
c. Factory Bolt Doors to Intake Throat.
3. Discharge Hopper: Horizontal rolling, UL 1-1/2 hour labeled, spring counterbalanced with fusible link. Provided with required offsets and reinforcing, structural angle door around discharged opening, 2" IPS drain at low point of hopper, pipe pedestal support, 28" wide x 36" high x 14 gage stainless steel hopper door, manufacturer's standard self-latching devices.
4. Electrical Interlocks are only required for projects 4 stories and above, unless otherwise required by local codes.
Electrical Interlocks: Equip the intake door units with electrical interlocks. All doors are normally unlocked. When system is energized by opening one door, the remaining doors shall be automatically locked until system is de-energized. Provide manual control switch stations where indicated.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Chutes International
Contact Name: Customer Service
Phone: 800.882.4883
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Midland Chutes
Contact Name: Customer Service
Phone: 847.678.4007
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Chute Source
Contact Name: Customer Service
Phone: 330.733.3996
Email:

ALTERNATE MANUFACTURER 4

Vendor Name: Wilkinson Hi-Rise
Contact Name: Customer Service
Phone: (954) 342-4400

AREAS

Back-of-House Laundry

	Towneplace Suites by Marriott **EQUIPMENT** **New Build - Generation 5 - 89K & 112K** **TownePlace Suites New Build Public Space Building**	**EQL-001-CI** Revision 1

Real Living Decor Package	**Issue Date:** **Revision Date:**	**Aug 30, 2021** **Nov 23, 2022**

Email:	

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

EQL-001-CS

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Linen Chute
Item Type	Linen Chute
Description	Laundry Chute
Manufacturer	Chute Source LLC
Model	CS Linen Chute
Dimensions	24" diameter
Material Composition	16 gage aluminized steel per NFPA 82
CSI #	149133 - Laundry and Linen Chutes
Omniclass #	22-149133
Fire/Smoke Rating	2-Hour rated partitions (1-1/2 hour for doors)
Quality Standards	Underwriter's Laboratories, Inc. (UL); NFPA 13 “Installation of Sprinkler Systems”; NFPA82 “Standard on Incinerators and Waste and Linen Handling Systems and Equipment”
Accessories	Flushing Spray Head: 3/4" IPS; installed above top intake door. Sprinkler Heads: 1/2 IPS; located at or above top service opening of chute, at alternate floor levels in buildings over two stories in height, and at lowest service area, unless otherwise required by local code. Recess heads out of chute area through which linen travels, with rea designed to avoid collection of foreign matter. Offsets (bends) in the chute, if required, shall be made the same diameter as the chute of 16 gage aluminized steel and have an additional layer of 13 gage aluminized steel reinforcing the impact area. Offsets are not to deviate more than 15 degrees off the vertical axis of the chute.
Warranty	Furnish manufacturer’s standard one (1) year warranty from date of temporary certificate of occupancy or similar, locally mandated permission to use the project common areas for their intended use. Warranty shall apply to defects in product workmanship and materials.
Notes	1. Vent: Extend full diameter chute section through roof; [terminate top 4'-0" above roof]. Equip 16 gage aluminized steel vent cap with ventilation air space around full diameter of vent riser, insect screen, condensation gutter, roof flashing. Provide roof curb at low slope roofs, installed by roofing contractor. 2. For New Build projects the door in to the space containing the Chute Intake door is required to have a Card Reader. If card reader is provided, the Chute Intake door is permitted to be unlocked by a key. a. UL Labeled Door Units: Provide UL 1-1/2 hour labeled door units with 30-minute temperature rise of 250 deg. F., (139 deg. C.), complete with closers. b. Chute Intake Door/Frame Units: Provide self-closing units at each landing and at heights above

IMAGE NOT AVAILABLE

floor as indicated. Use manufacturer's recommended heights if not otherwise shown. Provide 21 inch x 18 inch door size. Equip doors with positive latch, latch handle, and manufacturer's standard keyed cylinder locks. [Key outside locks and unlocks door.] [Key outside opens door, but when removed locks door.] Provide manufacturer's standard stainless steel door units, ANSI Type 302/304 with standard satin finish or No. 3 directional polish.
c. Factory Bolt Doors to Intake Throat.
3. Discharge Hopper: Horizontal rolling, UL 1-1/2 hour labeled, spring counterbalanced with fusible link. Provided with required offsets and reinforcing, structural angle door around discharged opening, 2" IPS drain at low point of hopper, pipe pedestal support, 28" wide x 36" high x 14 gage stainless steel hopper door, manufacturer's standard self-latching devices.
4. Electrical Interlocks are only required for projects 4 stories and above, unless otherwise required by local codes.
Electrical Interlocks: Equip the intake door units with electrical interlocks. All doors are normally unlocked. When system is energized by opening one door, the remaining doors shall be automatically locked until system is de-energized. Provide manual control switch stations where indicated.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Chute Source
Contact Name: Customer Service
Phone: 330.733.3996
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Midland Chutes
Contact Name: Customer Service
Phone: 847.678.4007
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Chutes International
Contact Name: Customer Service
Phone: 800.882.4883
Email:

ALTERNATE MANUFACTURER 4

Vendor Name: Wilkinson Hi-Rise
Contact Name: Customer Service
Phone: (954) 342-4400

AREAS

Back-of-House Laundry

	Towneplace Suites by Marriott **EQUIPMENT** **New Build - Generation 5 - 89K & 112K** **TownePlace Suites New Build Public Space Building**	**EQL-001-CS** Revision 1

Real Living Decor Package	**Issue Date:** **Revision Date:**	**Aug 30, 2021** **Nov 23, 2022**

Email:	

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Linen Chute
Item Type	Linen Chute
Description	Laundry Chute
Manufacturer	Midland Chutes
Model	Linen Chute
Dimensions	24" diameter
Material Composition	16 gage aluminized steel per NFPA 82
CSI #	149133 - Laundry and Linen Chutes
Omniclass #	22-149133
Fire/Smoke Rating	2-Hour rated partitions (1-1/2 hour for doors)
Quality Standards	Underwriter's Laboratories, Inc. (UL); NFPA 13 “Installation of Sprinkler Systems”; NFPA82 “Standard on Incinerators and Waste and Linen Handling Systems and Equipment”
Accessories	Flushing Spray Head: 3/4" IPS; installed above top intake door. Sprinkler Heads: 1/2 IPS; located at or above top service opening of chute, at alternate floor levels in buildings over two stories in height, and at lowest service area, unless otherwise required by local code. Recess heads out of chute area through which linen travels, with rea designed to avoid collection of foreign matter. Offsets (bends) in the chute, if required, shall be made the same diameter as the chute of 16 gage aluminized steel and have an additional layer of 13 gage aluminized steel reinforcing the impact area. Offsets are not to deviate more than 15 degrees off the vertical axis of the chute.
Warranty	Furnish manufacturer’s standard one (1) year warranty from date of temporary certificate of occupancy or similar, locally mandated permission to use the project common areas for their intended use. Warranty shall apply to defects in product workmanship and materials.
Notes	1. Vent: Extend full diameter chute section through roof; [terminate top 4'-0" above roof]. Equip 16 gage aluminized steel vent cap with ventilation air space around full diameter of vent riser, insect screen, condensation gutter, roof flashing. Provide roof curb at low slope roofs, installed by roofing contractor. 2. For New Build projects the door in to the space containing the Chute Intake door is required to have a Card Reader. If card reader is provided, the Chute Intake door is permitted to be unlocked by a key. a. UL Labeled Door Units: Provide UL 1-1/2 hour labeled door units with 30-minute temperature rise of 250 deg. F., (139 deg. C.), complete with closers. b. Chute Intake Door/Frame Units: Provide self-closing units at each landing and at heights above

IMAGE NOT AVAILABLE

floor as indicated. Use manufacturer's recommended heights if not otherwise shown. Provide 21 inch x 18 inch door size. Equip doors with positive latch, latch handle, and manufacturer's standard keyed cylinder locks. [Key outside locks and unlocks door.] [Key outside opens door, but when removed locks door.] Provide manufacturer's standard stainless steel door units, ANSI Type 302/304 with standard satin finish or No. 3 directional polish.
c. Factory Bolt Doors to Intake Throat.
3. Discharge Hopper: Horizontal rolling, UL 1-1/2 hour labeled, spring counterbalanced with fusible link. Provided with required offsets and reinforcing, structural angle door around discharged opening, 2" IPS drain at low point of hopper, pipe pedestal support, 28" wide x 36" high x 14 gage stainless steel hopper door, manufacturer's standard self-latching devices.
4. Electrical Interlocks are only required for projects 4 stories and above, unless otherwise required by local codes.
Electrical Interlocks: Equip the intake door units with electrical interlocks. All doors are normally unlocked. When system is energized by opening one door, the remaining doors shall be automatically locked until system is de-energized. Provide manual control switch stations where indicated.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Midland Chutes
Contact Name: Customer Service
Phone: 847.678.4007
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Chute Source
Contact Name: Customer Service
Phone: 330.733.3996
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Chutes International
Contact Name: Customer Service
Phone: 800.882.4883
Email:

ALTERNATE MANUFACTURER 4

Vendor Name: Wilkinson Hi-Rise
Contact Name: Customer Service
Phone: (954) 342-4400

AREAS

Back-of-House Laundry

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

EQL-001-MID

Revision 1

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date: **Nov 23, 2022**

Email:	

Lockers

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ELK-001-HDI

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Lockers
Item Type	Metal Lockers
Description	Two tier units with full perimeter concealed ventilation system. Refer to Design Guideline Drawings for quantity.
Manufacturer	Hadrian Inc
Model	Emperor Corridor Lockers
Dimensions	12" wide x 15" deep x 36" high
Color	603 Almond
Finish	Powder Coated
Material Composition	Sheet Steel: ASTM A1008, Mild, stretcher-leveled cold-rolled carbon sheet steel free of buckling, scale, and surface imperfections
CSI #	105113 - Metal Lockers
Omniclass #	22-105113 - Metal Lockers
Accessibility Compliance	ANSI A117.1-Side Reach Requirement
Accessories	Metal number plate, rubber bumpers, and hat/bookshelf
Notes	1. Body and Shelf: 24 Gauge 2. Doors: 16 Gauge 3. Door Frames: 16 Gauge 4. Hinges: Minimum 2" wide, full loop, tight pin type. Matching 12 gauge, "Z" type base, 4" high at non-recessed lockers. Finished filler panels, end panels, continuous sloped 20-gauge metal tops and top filler panels to close off all openings, finished to match lockers. Sloped tops are to be in lengths as long as practicable, but not less than four lockers. Recessed Handle and Latch: Manufacturer's standard housing to form a recess for latch lifter and locking devices; non-protruding latch lifter containing strike and eye for padlock; and automatic, pre-locking, pry-resistant latch with latching action with not less than three-point latching. Locking device supplied by Owner.

SPECIAL INSTRUCTIONS

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ELK-001-HDI

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

MANUFACTURER

Vendor Name: Hadrian Inc
Contact Name: Customer Service
Phone: 800-536-1469
Email: mail@hadrian-inc.com

ALTERNATE MANUFACTURER 2

Vendor Name: Penco Products
Contact Name: Customer Service
Phone: 800.562.1000
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Republic Storage Products
Contact Name: Customer Service
Phone: 800.477.1255
Email:

ALTERNATE MANUFACTURER 4

AREAS

Employee Areas

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ELK-001-PP

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Lockers
Item Type	Metal Lockers
Description	Two tier units with full perimeter concealed ventilation system. Refer to Design Guideline Drawings for quantity.
Manufacturer	Penco Products Inc
Model	Vanguard Lockers
Dimensions	12" wide x 15" deep x 36" high
Color	073 Champagne
Finish	Powder Coated
Material Composition	Sheet Steel: ASTM A1008, Mild, stretcher-leveled cold-rolled carbon sheet steel free of buckling, scale, and surface imperfections
CSI #	105113 - Metal Lockers
Omniclass #	22-105113 - Metal Lockers
Accessibility Compliance	ANSI A117.1-Side Reach Requirement
Accessories	Metal number plate, rubber bumpers, and hat/bookshelf
Notes	1. Body and Shelf: 24 Gauge 2. Doors: 16 Gauge 3. Door Frames: 16 Gauge 4. Hinges: Minimum 2" wide, full loop, tight pin type. Matching 12 gauge, "Z" type base, 4" high at non-recessed lockers. Finished filler panels, end panels, continuous sloped 20-gauge metal tops and top filler panels to close off all openings, finished to match lockers. Sloped tops are to be in lengths as long as practicable, but not less than four lockers. Recessed Handle and Latch: Manufacturer's standard housing to form a recess for latch lifter and locking devices; non-protruding latch lifter containing strike and eye for padlock; and automatic, pre-locking, pry-resistant latch with latching action with not less than three-point latching. Locking device supplied by Owner.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Penco Products
Contact Name: Customer Service
Phone: 800.562.1000
Email:

ALTERNATE MANUFACTURER 2

AREAS

Employee Areas

Vendor Name: Republic Storage Products Contact Name: Customer Service Phone: 800.477.1255 Email:	
ALTERNATE MANUFACTURER 3 Vendor Name: Hadrian Inc Contact Name: Customer Service Phone: 800-536-1469 Email: mail@hadrian-inc.com	
ALTERNATE MANUFACTURER 4	

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ELK-001-RSP

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Lockers
Item Type	Metal Lockers
Description	Two tier units with full perimeter concealed ventilation system. Refer to Design Guideline Drawings for quantity.
Manufacturer	Republic Storage Products LLC
Model	Standard Lockers
Dimensions	12" wide x 15" deep x 36" high
Color	89 Cork
Finish	Powder Coated
Material Composition	Sheet Steel: ASTM A1008, Mild, stretcher-leveled cold-rolled carbon sheet steel free of buckling, scale, and surface imperfections
CSI #	105113 - Metal Lockers
Omniclass #	22-105113 - Metal Lockers
Accessibility Compliance	ANSI A117.1-Side Reach Requirement
Accessories	Metal number plate, rubber bumpers, and hat/bookshelf
Notes	1. Body and Shelf: 24 Gauge 2. Doors: 16 Gauge 3. Door Frames: 16 Gauge 4. Hinges: Minimum 2" wide, full loop, tight pin type. Matching 12 gauge, "Z" type base, 4" high at non-recessed lockers. Finished filler panels, end panels, continuous sloped 20-gauge metal tops and top filler panels to close off all openings, finished to match lockers. Sloped tops are to be in lengths as long as practicable, but not less than four lockers. Recessed Handle and Latch: Manufacturer's standard housing to form a recess for latch lifter and locking devices; non-protruding latch lifter containing strike and eye for padlock; and automatic, pre-locking, pry-resistant latch with latching action with not less than three-point latching. Locking device supplied by Owner.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Republic Storage Products
Contact Name: Customer Service
Phone: 800.477.1255
Email:

ALTERNATE MANUFACTURER 2

AREAS

Employee Areas

Vendor Name: Penco Products Contact Name: Customer Service Phone: 800.562.1000 Email:	
ALTERNATE MANUFACTURER 3 Vendor Name: Hadrian Inc Contact Name: Customer Service Phone: 800-536-1469 Email: mail@hadrian-inc.com	
ALTERNATE MANUFACTURER 4	

Registration Equipment (Safes)

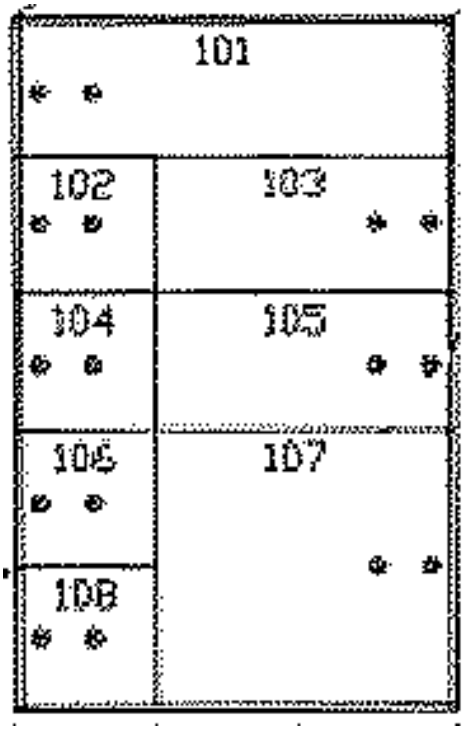
Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

SF-001-AMP

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Registration Equipment
Item Type	Deposit Boxes
Description	Guest Safe Deposit Boxes without envelope slot
Manufacturer	Amphion, a Division of Executive Safe and Security Corporation
Model	TPS-9LT without envelope slot
Dimensions	Overall 16.5”W x 31”H x 24”D
Finish	Polished Aluminum with Stamped Numbers, Case and Case Edge Finish: Black
CSI #	112513 - Registration Equipment
Omniclass #	22-112513 - Registration Equipment
Notes	4 Openings at 5” x 5”, 2 openings at 5” x 10-3/8”, 2 openings at 5” x 16-1/2” for laptop, and 1 opening at 10-1/8” x 10-3/8” without slotted door and anti-flush baffles. Provide secure blocking to support units



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Amphion, a Division of Executive Safe & Security
Contact Name: Customer Service
Phone: 800.520.2677
Email: info@amphion.biz

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

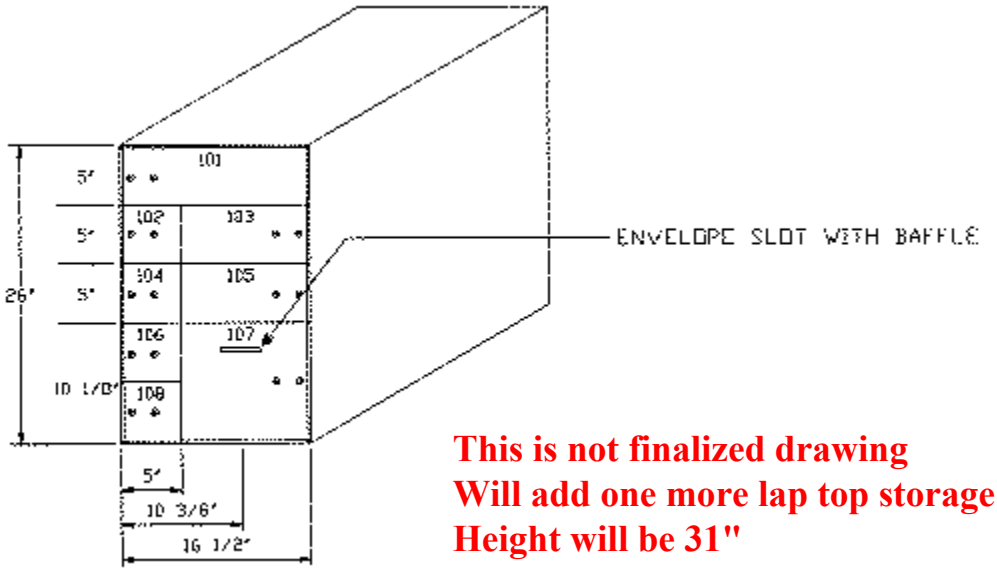
Reception

AMPHION

TPS

TPS-9SLT (TownePlace Suites)
with envelope slot

option



This is not finalized drawing
Will add one more lap top storage on top
Height will be 31"

TPS-9LT (TownePlace Suites)
without envelope slot

Standard

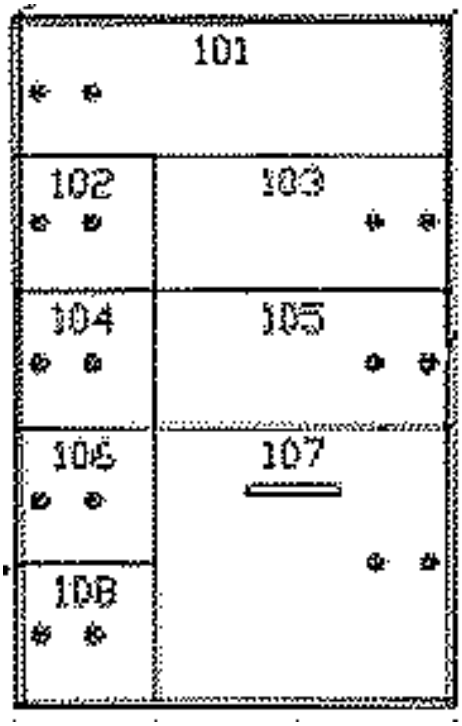
Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

SF-001-AMP-A1

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Registration Equipment
Item Type	Deposit Boxes
Description	Guest Safe Deposit Boxes with envelope slot
Manufacturer	Amphion, a Division of Executive Safe and Security Corporation
Model	TPS-9SLT without envelope slot
Dimensions	Overall 16.5”W x 31”H x 24”D
Finish	Polished Aluminum with Stamped Numbers, Case and Case Edge Finish: Black
CSI #	112513 - Registration Equipment
Omniclass #	22-112513 - Registration Equipment
Notes	4 Openings at 5” x 5”, 2 openings at 5” x 10-3/8”, 2 openings at 5” x 16-1/2” for laptop, and 1 opening at 10-1/8” x 10-3/8” with slotted door and anti-flush baffles. Provide secure blocking to support units



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Amphion, a Division of Executive Safe & Security
Contact Name: Customer Service
Phone: 800.520.2677
Email: info@amphion.biz

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

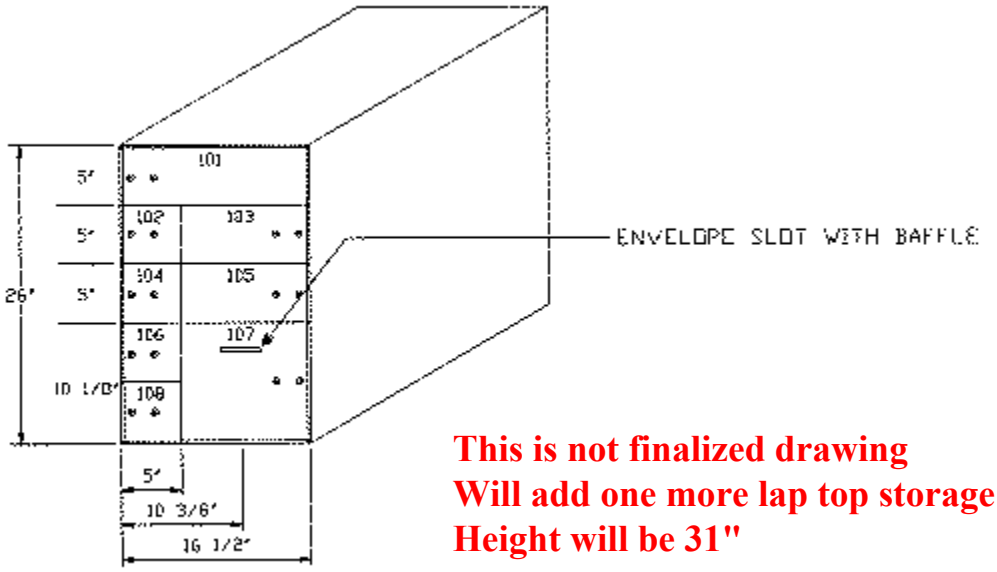
AREAS

Reception

TPS

TPS-9SLT (TownePlace Suites)
with envelope slot

option



This is not finalized drawing
Will add one more lap top storage on top
Height will be 31"

~~**TPS-9LT (TownePlace Suites)**~~
without envelope slot

Standard

Front Desk Equipment

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

FDE-001-MIT

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Front Desk Equipment
Item Type	Front Desk Phone
Description	SIP desktop phone that can support up to 9 lines, has Dual Gigabit Ethernet Ports, large pixel LCD display, 8 programmable keys, XML capabilities, native DHSG/EHS headset support, HD handset, speakerphone.
Manufacturer	Mitel / Aastra
Model	6865i, Mid Range SIP
Dimensions	3.5 x 8.11 x 10.91
Notes	Verify all Front Desk Equipment with Owner.

SPECIAL INSTRUCTIONS

MANUFACTURER	AREAS
ALTERNATE MANUFACTURER 2	Welcome Desk
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

FDE-001-MIT

AASTRA
A Mitel Company

Aastra 6865i

Exceptional Value in a Fully Featured, Expandable IP Phone

The Aastra 6865i offers exceptional flexibility in a true enterprise grade SIP desktop phone that can support up to 9 lines, has Dual Gigabit Ethernet ports and features a large 3.4" 128x48 pixel LCD display with soft white backlighting and large fonts making the screen easy to read in any lighting conditions. With its 8 programmable keys, XML capabilities, native DHSG/EHS headset support, a true HD handset and a speakerphone that delivers remarkable wideband HD audio quality, the Aastra 6865i SIP phone is ideally suited for the small to large business market that needs Gigabit throughput for PC connectivity.

Aastra 6865i

Key Features and Benefits

Remarkable Audio

All 6800i Series SIP phones feature Aastra's high definition Hi-Q™ audio technology to deliver enhanced performance and voice clarity. Integrating HD wideband audio codecs, advanced audio processing and hardware components that support a true wideband frequency range, the 6865i offers a superior voice experience on each audio path – handset, speakerphone or headset port – making conversations crystal clear and more life-like.

Enhanced Call Management

With an extensive storage capacity for personal directories, callers logs, redial lists, and 8 programmable keys, the Aastra 6865i is designed to easily manage access to all of the most frequently used call management features of the phone. Even more productivity enhancing features are available at the push of a button including: Shared Call Appearance (SCA), Busy Lamp Fields (BLF), 3-way conferencing, transfer, call waiting, call park, call pickup, intercom and paging. The 6865i is also an expandable desktop phone supporting up to three expansion modules further enhancing its productivity capabilities with additional programmable keys that can be used to access the broad list of advanced features offered by this powerful phone.

Flexible Headset Options

The Aastra 6865i features an innovative headset port that uniquely provides dual support for DHSG/EHS and modular 4-pin headset connections. Users with wireless headsets that support DHSG/EHS can now connect directly to the 6865i without the added cost of additional adaptors or cables.

Environmentally Friendly

All Aastra 6800i Series SIP phones have been designed to be environmentally friendly. Using dynamic PoE class reporting, the 6865i has a PoE Class 2 rating that automatically switches classes when an expansion module is connected enabling the phone and network switches to efficiently manage its power consumption. The Aastra 6865i also supports an optional Efficiency Level "V" compliant power adaptor if required. With smaller packaging that includes 100% recycled and biodegradable material, the Aastra 6800i Series is one of the most environmentally friendly family of SIP phones on the market.

Feature Keys

- Up to 9 lines with 2 dedicated line keys with LED
- 8 Programmable keys with LEDs
- 4-way navigation key with Select/OK button
- Dedicated function keys including: Conference, Transfer, Callers List, Hold, Redial, Goodbye, Options, 2 volume keys, Mute (with LED) and Speaker/ Headset (with LED)

Audio and Codecs

- Aastra Hi-Q™ Audio Technology
- Hearing aid compatible (HAC) handset
- Full-duplex quality speakerphone
- Wideband handset and speakerphone
- Codecs: G.711 µ-law / A-law, G.729, G.722, AMR*, AMR-WB(G.722.2)*, G.726, iLBC, BV16, BV32, L16
- Echo cancellation
- Comfort noise utilization
- Packet loss concealment
- Voice Quality Metrics, including MOS
- DHSG/EHS and 4-pin modular headset supported

Display and Indicators

- Monochrome LCD
  - 3.4" 128x48 pixel graphical backlit display
  - Soft white backlight for user comfort in any lighting condition
- LED for call and message waiting indication

Security

- User and administrator level passwords for login
- Encryption of configuration files
- HTTPS configuration downloaded and web management
- Phone lock with PIN
- Digest Authentication
- Transport Layer Security (TLS)
- Secure Real-Time Protocol (SRTP)

XML API Capabilities

- Display control based on user actions or events
- Dynamic Phone Configuration
- RTP Streaming Control
- CTI applications
- Extensive XML documentation and sample Apps

Localization

- Multi-lingual support – English, French, Spanish, Italian, German
  - Downloadable language pack support for customization and additional language translations
- Country-Specific call progress tones and cadences
- Latin1, Latin2 Character sets

Protocol

- IETF SIP (RFC3261) and associated RFCs

Networking and Provisioning

- Dual 10/100/1000 Mbps Ethernet ports (LAN/PC)
- Manual or Dynamic Host Configuration Protocol (DHCP) IP address setup
- Support of multiple DHCP options: 2,12,42,43,60,66,77,120,132,159,160
- Time and date synchronization using SNTP
- Quality of Service support – IEEE 802.1 p/Q VLAN and priority tagging, Type of Service (TOS), and Differentiated Services Code Point
- Network Address Translation (NAT), STUN, TURN support
- Integrated HTTP/HTTPS server for web administration and maintenance including a built-in troubleshooting section
- Mass deployment via central provisioning of user configuration files – TFTP, FTP, HTTP, HTTPS
- TR-069 support
- Redundant server support
  - DNS-SRV
  - Backup proxy/registrar server support
- RTCP support (RFC1889)
- RTP streaming for Paging and Intercom applications
- IEEE 802.1x
- LLDP-MED

Expansion Modules

- Up to three Expansion Modules supported

Power

- PoE Class 2
- Dynamic PoE class changes when expansion modules are added
- Level "V" energy efficiency rated power adapters available
  - 87-00012AAA-A (Europe)
  - 87-00013AAA-A (North America)
  - D6700-0131-48-20 (Universal)

Package Content

- Aastra 6865i phone
- Handset and coil cord
- Adjustable 2-angle stand (35° & 60°)

Accessories

- M685i LCD Expansion Module – 80C00007AAA-A
- M680i Paper Expansion Module – 80C00010AAA-A
- Wall Mount Kit – 80C00011AAA-A

Part Number

- Aastra 6865i – 80C00001AAA-A

* license required

Rev. 11.03.14

www.aastra.com

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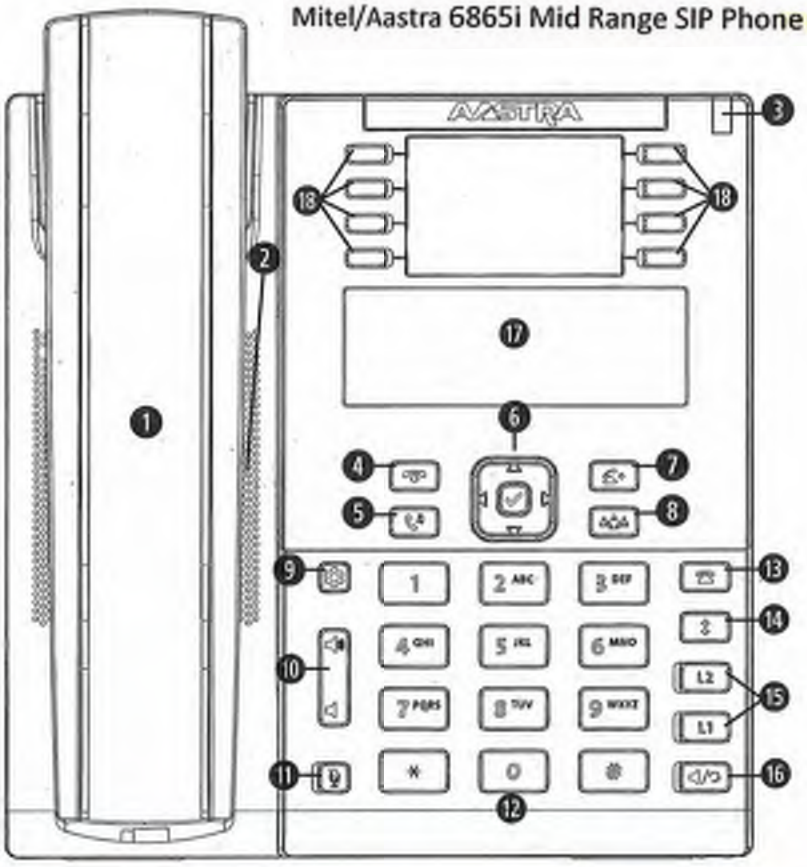
AASTRA
A Mitel Company

IP Phone Keys

Key Panel

The following sections describe the various 6865i phone key functions and how they help you make and manage your calls and caller information. Images of the symbol keys and the symbol hardware platform are used throughout this document.

Mitel/Aastra 6865i Mid Range SIP Phone - 8.11 x 10.91 x 3.5 in



1	6865i Handset	10	Volume Control
2	High Quality Speakerphone	11	Mute Key
3	Message Waiting Lamp	12	Keypad
4	Goodbye Key	13	Callers List Key
5	Hold Key	14	Redial Key
6	Navigation/Select Keys	15	Line/Call Appearance Keys
7	Transfer Key	16	Speaker/Headset Key
8	Conference Key	17	LCD Screen
9	Options Key	18	Programmable Keys

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EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

FDE-002-AA

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Front Desk Equipment
Item Type	Front Desk Encoder and Updater
Description	For encoding, verification and auto-update of RFID cards.
Manufacturer	Assa Abloy Hospitality
Model	RFID Encoder and Updater
Dimensions	6 x 3.28 x 1.72
Notes	Verify all Front Desk Equipment with Owner.

SPECIAL INSTRUCTIONS

MANUFACTURER	AREAS
ALTERNATE MANUFACTURER 2	Welcome Desk
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

FDE-002-AA

RFID Encoder and Updater

This highly qualified and sophisticated RFID encoder and updater is embedded into one single device. It is designed with functionality, reliability and durability in mind.

Features

- For encoding, verification and auto-update of RFID cards.
- Card standards: ISO 14.443A/B and ISO 15.693.
- Sound signals.
- Several possibilities for powering via USB, via PoE (power over Ethernet) or external power.
- Configurable through web interface.
- Horizontal (table) or vertical (wall) mounting.
- Color display.

Technical Data

	SPECIFICATIONS
Dimensions (W x H x D)	83,3 x 152,0 x 42,2 mm $3^{9/32}$ x $5^{31/32}$ x $1^{21/32}$ in
Dimensions card holder (W x H x D)	88,7 x 85,8 x 48,0 mm $3^{1/2}$ x $3^{3/8}$ x $1^{57/64}$ in
Encoder material	ABS UL 94V - 0
Card holder material	PC UL 94V - 0, semitransparent
Automatic adjustment	10 to 100 Mbit/s networks when connected to the server via TCP/IP
Temperature range	Intended for indoor use only; +5°C to +50°C.
Relative humidity	10-90 %; non-condensing
Power	5V DC, 500 mA
Software requirements and compatibility	Visionline: Application server version 1.12.0 or higher. Vision: Compatible with all Vision RFID locks. 2800: Supported in SW version 1.2.0 and higher.

ASSA ABLOY Hospitality

ASSA ABLOY

www.assaabloyhospitality.com

The global leader in door opening solutions

2. To mount the encoder

The RFID encoder can either be mounted on a wall or be placed on a table etc; dimensions in Figure 2 below in mm (inches).

2.1 Dimensions

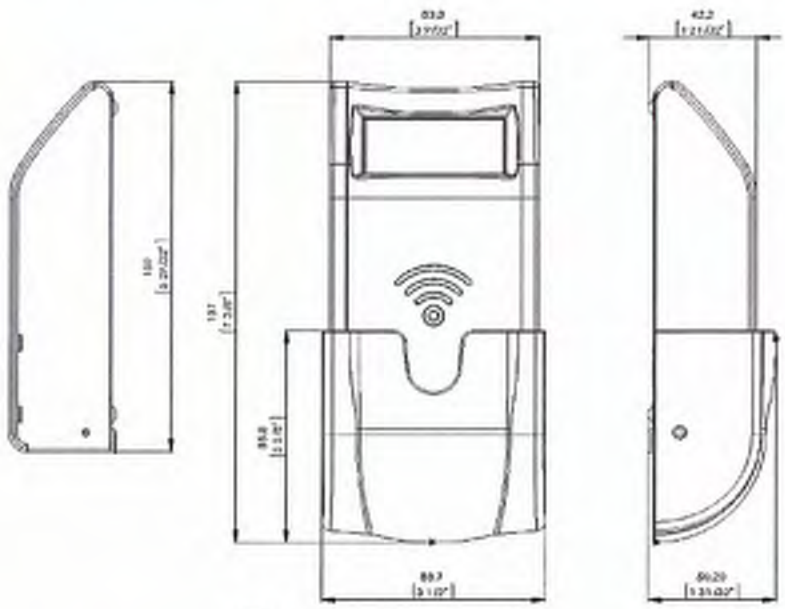

Figure 2: Encoder dimensions

Note: The RFID encoder can be mounted either horizontally or vertically.

2.2 Mounting kit

The RFID encoder is delivered with a mounting kit containing the following items:

Description	Quantity	Usage
Screws 2,9x25mm	2	For mounting the RFID encoder on a wall
Collar screw 3,5x25mm	1	For mounting the RFID encoder on a wall
Screws 2,5x6,4mm	4	For mounting the card holder and mounting brackets
Expand plugs 6x30	3	
Mounting brackets	2	
Adhesive Velcro strips	2	If the RFID encoder should be mounted without using screws

Table 1: Mounting kit

2.3 To mount on the wall

The encoder can be mounted on the wall either with the enclosed screws or with the enclosed Velcro strips.

If the encoder should be mounted with screws:

- fasten the mounting brackets at the bottom of the encoder with the two mounting bracket screws
- fasten the encoder on the wall with the collar screw at the suspension and two screws at the mounting brackets

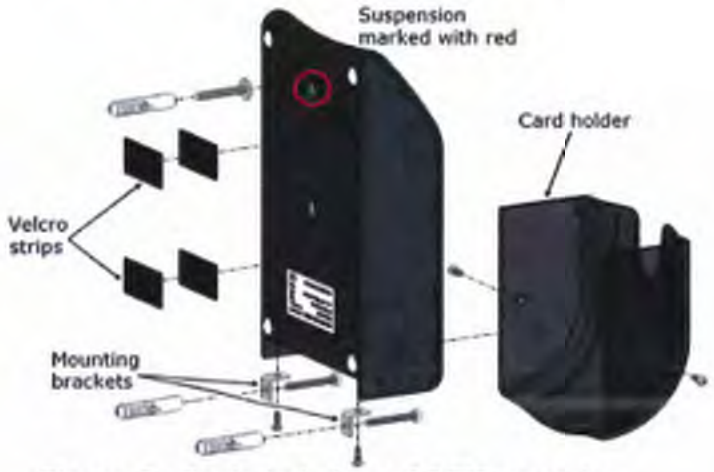

Figure 3: Exploded view of RFID encoder, card holder and mounting details

Note: When mounting the encoder on the wall, the parameter 'Wall mounted' must be enabled; this can be done via the **RFID Encoder Configuration Utility** (see chapter 5). If Visionline is applicable, it can also be done via the web interface (see chapter 7).

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FDE-003-HW

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Front Desk Equipment
Item Type	Front Desk Area-Imaging Scanner
Description	Scanner to decode standard 1D, PDF, and 2D codes
Manufacturer	Honeywell
Model	Genesis 7580
Dimensions	5.9 x 3.3 x 3.2
Notes	Verify all Front Desk Equipment with Owner.

SPECIAL INSTRUCTIONS

MANUFACTURER	AREAS
ALTERNATE MANUFACTURER 2	Welcome Desk
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Honeywell

Genesis 7580

Area-Imaging Scanner

Honeywell's Genesis™ 7580, the world's first presentation area-imaging scanner engineered to decode all standard 1D, PDF and 2D codes, provides enhanced productivity and revolutionary imaging technology in an elegant, yet durable design.

The 7580 is redefining industry standards for imaging solutions. Breakthrough performance and a versatile form factor make this product suitable for environments ranging from manufacturing to healthcare to retail POS.

Patented CodeGate® technology along with an activation button support menu-scanning and other targeted-scanning applications.

Unlike other scanners with multiple on-board interfaces, the 7580 has four dedicated memory banks—each one capable of storing full configuration settings for RS232, keyboard wedge, USB and 46xx RS485 interfaces.

Automatic cable detection and configuration simplifies migration to a new interface by eliminating the need to scan programming bar codes. Three additional patented technologies augment the 7580's unmatched feature set:

Shielded LEDs minimize the intense flashing common among other area imagers.

CodeSelect™ allows the 7580 to capture up to seven bar codes in a single flash and output data in any predetermined order.

TotalFreedom® expands scanner funtionality by allowing formatting, parsing and decoding plug-ins to be loaded directly to the 7580 instead of the host system.

Features

- **Motion Tolerance:** Aggressively reads bar codes passing by the scan window
- **Multiple On-Board Interfaces:** Reduces overall system cost
- **TotalFreedom:** Load image processing, decoding and formatting plug-ins directly on the scanner instead of the host system
- **Image Capture:** Improves document management by capturing and storing electronic images, including coupons, personal checks, signatures and damaged packages
- **Mobile Phone Reading:** Excels at scanning coupons and mobile tickets directly from the screen of a mobile device
- **Flexible Licensing Solution:** Meets diverse scanning requirements by offering models with limited decoding capabilities—purchase decoding licenses to enable additional functionality as the need arises
- **CodeSelect:** Scans up to 7 bar codes in a single flash and outputs data in any predetermined order
- **Optional EAS:** Increases efficiency by simultaneously deactivating EAS tags and decoding bar codes from up to 7 inches away

FDE-003-HW

Genesis 7580 Technical Specifications

Mechanical	
Dimensions (LxWxH)	80 mm x 83 mm x 150 mm (3.2" x 3.3" x 5.9")
Weight	340 g (12 oz)
Electrical	
Input Voltage	12 VDC ± 0.25 V
Operating Power	2.0 W (167 mA @ 12 V)
Standby Power	1.3 W (109 mA @ 12 V)
Host System Interfaces	USB, RS232, Keyboard Wedge, IBM 46xx (RS485)
Auxiliary Ports	EAS with interlock (EAS model)
Environmental	
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-40°C to 60°C (-40°F to 140°F)
Humidity	0% to 95% relative humidity, non-condensing
Drop	Designed to withstand 1.5 m (5') drops
Environmental Sealing	Sealed to resist airborne particulate contaminants
Light Levels	100,000 Lux
Scan Performance	
Scan Pattern	Area Image (832 x 504 pixel array)
Motion Tolerance	200 cm/s (78 in/s) for 13 mil UPC at optimal focus
Scan Angle	Horizontal: 46°; Vertical: 28°
Print Contrast	20% minimum reflectance difference
Pitch, Skew	70°, 75°
Decode Capability	Reads standard 1D, PDF, 2D, Postal and OCR symbologies *Note: Decode capabilities dependent on kit configuration
Warranty	2 year factory warranty

For a complete listing of all compliance approvals and certifications, please visit www.honeywellaidc.com/compliance
For a complete listing of all supported bar code symbologies, please visit www.honeywellaidc.com/symbologies

Typical Performance*	
Narrow Width	Depth of Field
5.0 mil (1D)	10 mm - 80 mm (0.4" - 3.1")
7.5 mil (1D)	10 mm - 125 mm (0.4" - 4.9")
10.4 mil (1D)	0 mm - 130 mm (0" - 5.1")
13 mil (1D)	0 mm - 158 mm (0" - 6.2")
10.0 mil (PDF)	10 mm - 145 mm (0.4" - 5.7")
15.0 mil (DM)	10 mm - 135 mm (0.4" - 5.3")

*Resolution: 1D: 4 mil (0.102 mm)
2D: 7.5 mil (0.19 mm)
*Performance may be impacted by bar code quality and environmental conditions

For more information:
www.honeywellaidc.com

Honeywell Scanning & Mobility
9680 Old Bailes Road
Fort Mill, SC 29707
800.582.4263
www.honeywell.com

Honeywell

7580-DS Rev A 10/10
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1 Getting Started

About This Manual

This User's Guide provides installation and programming instructions for the Genesis 7580g area-imaging scanners. Product specifications, dimensions, warranty, and customer support information are also included.

Honeywell bar code scanners are factory programmed for the most common terminal and communications settings. If you need to change these settings, programming is accomplished by scanning the bar codes in this guide.

An asterisk (*) next to an option indicates the default setting.

Unpacking Your Device

After you open the shipping carton containing the product, take the following steps:

- Check for damage during shipment. Report damage immediately to the carrier who delivered the carton.
- Make sure the items in the carton match your order.
- Save the shipping container for later storage or shipping.

Connecting the Device

Connecting with USB

A scanner can be connected to the USB port of a computer.

1. Connect the appropriate interface cable to the device first, then to the computer.

USB Connection:

2. The scanner beeps.
3. Verify the scanner operation by scanning a bar code from the Sample Symbols in the back of this manual.

The unit defaults to a USB PC Keyboard. Refer to page 2-3 for other USB terminal settings.

For additional USB programming and technical information, refer to "USB Application Note," available at www.honeywellaidc.com.

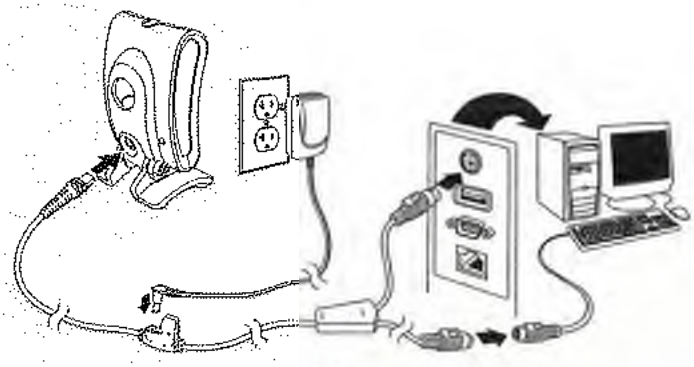
Connecting with Keyboard Wedge

A scanner can be connected between the keyboard and PC as a "keyboard wedge," where the scanner provides data output that is similar to keyboard entries. The following is an example of a keyboard wedge connection:

1. Turn off power and disconnect the keyboard cable from the back of the terminal/computer.

2. Connect the appropriate interface cable to the device and to the terminal/computer.

Keyboard Wedge Connection:



Note: The power supply must be ordered separately, if needed.

3. Turn the terminal/computer power back on. The scanner beeps.

4. Verify the scanner operation by scanning a bar code from the Sample Symbols in the back of this manual. The scanner beeps once.

The unit defaults to an IBM PC AT and compatibles keyboard wedge interface with a USA keyboard. A carriage return (CR) suffix is added to bar code data.

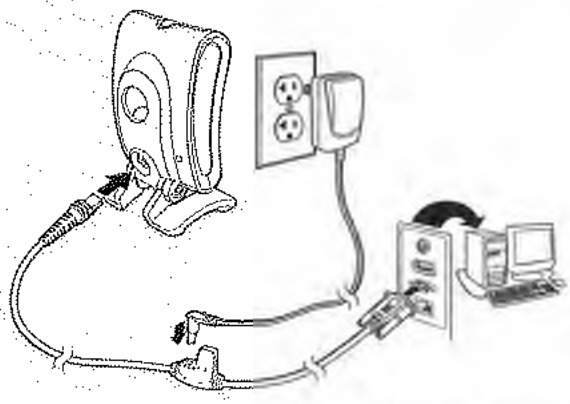
Connecting with RS232 Serial Port

1. Turn off power to the terminal/computer.

2. Connect the appropriate interface cable to the scanner.

Note: For the scanner to work properly, you must have the correct cable for your type of terminal/computer.

RS232 Serial Port Connection:



3. Plug the serial connector into the serial port on your computer. Tighten the two screws to secure the connector to the port.

4. Once the scanner has been fully connected, power up the computer.

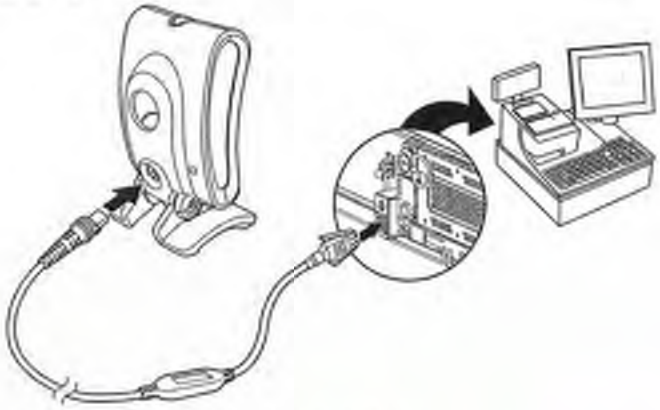
This interface programs 115,200 baud, 8 data bits, no parity, and 1 stop bit.

Connecting with RS485

A Genesis scanner can be connected for an IBM POS terminal interface.

1. Connect the appropriate interface cable to the device, then to the computer.

RS485 Connection:



2. Turn the terminal/computer power back on. The scanner beeps.
3. Verify the scanner operation by scanning a bar code from the Sample Symbols in the back of this manual. The scanner beeps once.

For further RS485 settings, refer to RS485, page 2-2.

Connecting with EAS

A Genesis scanner can be connected to a Checkpoint EAS system.

Refer to EAS Settings beginning on page 7-1 for configuration codes and further EAS programming information.

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FDE-004-ING

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Front Desk Equipment
Item Type	Front Desk Smart Terminal
Description	EMV Chip & Pin, magstripe and NFC/contactless payment terminal
Manufacturer	Ingenico
Model	iCT 250
Dimensions	2.48 x 3.26 x 7.28
Notes	Verify all Front Desk Equipment with Owner.

SPECIAL INSTRUCTIONS

MANUFACTURER	AREAS
ALTERNATE MANUFACTURER 2	Welcome Desk
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

FDE-004-ING

ingenico
Smart terminals

iCT 250

The smart and compact desktop device designed for maximum efficiency

- Provide merchants with a compact payment device in minimum countertop space.
- Offer a unique payment experience from an ergonomic, intuitive device.
- Accept all electronic payment methods including EMV chip & PIN, magstripe and NFC/ contactless.
- Enable brand promotion with a color display and customization capabilities.

security smartcard magstripe contactless color display

The iCT 250 offers a smart and effective payment experience on minimum counterspace.

Highest Security
The iCT 250 meets the highest security requirements and is PCI PTS 3.x certified with SRED and Open protocol modules. The optional PIN privacy shield provides additional PIN entry confidentiality.

All Payment Options
Offering EMV chip & PIN, magstripe, and NFC/contactless payment, the iCT 250 also enables new NFC couponing and wallet applications.

Designed for Merchants
Among the world's smallest and lightest devices, the iCT 250 is designed for easy handling and robust daily use. The backlit keypad and color LCD display make PIN entry and menu navigation easy and intuitive. Large keys and power buzzer speed transactions and reduce PIN entry errors.

All Connectivity & Communication
Equipped with an unparalleled array of communication technologies such as high speed modem, or Ethernet, the iCT 250 delivers anytime, anywhere connectivity.

Brand Promotion
Brand promotion is empowered by a crisp color graphic display, software customization and hardware personalization options (top casing, printer cover flap or lens).

Telium 2
Powered by the Ingenico Group, Telium 2 technology is the result of 30 years' experience in the payment industry. Secure, highly integrated and fast, Telium 2 is the world's best platform for secure payment services. With advanced functions, it can easily manage more than 2,000 graphical libraries and handle new business service apps. Telium 2 is the fully scalable, reliable operating system embedded into Ingenico Group's 27 million terminals deployed worldwide.

Feature		Description
Processor		ARM 9 & ARM 7, 450 MIPS & 50 MIPS
Memory	RAM	32 MB
	Flash	128 MB
	µSD Card	●
SAM		2
Card reader	Smart card	1
	Magstripe	Track 1/2/3
	Contactless	●
Display	Size & Resolution	TFT color 2.7" QVGA 320 x 240 pixels
Keypad	Backlit operational keys	15
	Navigation keys	4
Thermal printer	Speed in lines/second	18 l/s
Connections on terminal	RS232	1
	USB host, USB slave	1
	Ethernet	1
	Power supply connector	1
Power supply	External power supply	110 V, 60 Hz
Terminal size	L x W x H	7.28" x 3.26" x 2.48"
Weight	Terminal without paper roll/cable	11.46 oz
Privacy shield		Option
Customization	Lens marking	Option
	Printer cover flap	Option
	Top casing	Option
Connections on Magic Box (optional)	Power supply connector	1
	RS232	1
	Line in	1
	Ethernet	1
Environment	Operating temperature	41°F to 113°F
	Storage temperature	-4°F to 131°F
	Relative humidity, non-condensing	85% HR at +104°F
Security	Online & offline	PCI PTS 3.x

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ingenico
Smart terminals

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FDE-005-SM

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Front Desk Equipment
Item Type	Front Desk Cash Tray
Description	5-currency trays with bill weights, 5-coin trays with round-bottoms
Manufacturer	SteelMaster
Model	Duralite Cash Tray - Large
Dimensions	2.3 x 16 x 11.3
Material Composition	High Impact Polystyrene
Notes	Verify all Front Desk Equipment with Owner.

SPECIAL INSTRUCTIONS

MANUFACTURER	AREAS
ALTERNATE MANUFACTURER 2	Welcome Desk
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

FDE-005-SM

STEELMASTER Duralite Cash Tray - Large - Cash Tray

Shop all SteelMaster

About this item

Details | Shipping & Returns | Q&A

Highlights

- Material: Polystyrene
- Height: 2.3"
- Width: 16"
- Depth: 11.3"

Made of high impact polystyrene with extra wide cash trays, the Duralite Cash Tray accommodates foreign currency. The spri
secure; the round-bottom coin trays allow for easy scooping. Duralite Cash Trays are available in small, medium and large siz
Duralite Cash Trays are the perfect replacement trays for most cash drawers found in retail stores, banks, and currency excha

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FDE-006-A1-LX

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Front Desk Equipment
Item Type	Front Desk Printer - Alternate
Description	Alternate Printer (Smaller size) Connectivity: USB Features: With Scanner Media Size: A4, A5, A6, Legal, Letter Media Type: Cards, Envelopes, Labels, Plain Paper, Transparencies
Manufacturer	Lexmark
Model	MS621dn
Dimensions	11.9 x 15.7 x 14.7
Notes	Verify all Front Desk Equipment with Owner.

SPECIAL INSTRUCTIONS

MANUFACTURER	AREAS
ALTERNATE MANUFACTURER 2	Welcome Desk
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

FDE-006-A1-LX

Lexmark MS621dn (a=analog fax, d=duplex, e = e-task (touch screen device), f=staple finishing option, h=hard disk, m=mailbox, n=network, p=staple with hole punch finisher, s=stacker, t=additional tray included, v=vinyl, w=wireless, x=high capacity feeder)

Part #: 36S0400

FEATURES

- Monochrome Laser
- Duplex (2-sided) Printing: Integrated Duplex
- Print Speed: 50 ppm
- Recommended Monthly Page Volume: 2000 - 20000 pages†

1-Year WARRANTY

Retail Price: $749.00

Item is low on stock - Only 3 left.

Add to Cart

Find an Authorized Dealer
(http://www.lexmark.com/en_us/products/hardware/dealer-locator.html)

View Lexmark MS621dn overview brochure [PDF]

(http://kdr.lexmark.com/media/j971t?lang=en_US&format=high)

Go to drivers & downloads [LINK]

(http://md.lexmark.com/md4/?dest=downloads&lang=en&country=en_US&productID=11837)

Overview Specs Supplies Accessories

Product support (http://md.lexmark.com/?dest=support&lang=en&country=en_US&productID=11837)

In the Box

- Stability sheet and safety sheet or booklet
- Lexmark Cartridge Collection Program information
- Return program imaging unit
- Lexmark MS621dn laser printer
- Up to 6,000 pages* starter return program toner cartridge
- Power cord(s)

- Statement of limited warranty/guarantee
- Software and documentation CD
- Setup guide or sheet (network and local attachment)

*Average Continuous Cartridge Yield in one-sided (simplex) mode 6,000 standard pages. Declared yield value in accordance with ISO/IEC 19752.

Ethernet, USB or parallel cable not included.

Box contents may vary by country and/or reseller. Subject to change without notice.

General Specs

Part #	36S0400
Print Technology	Monochrome Laser
Workgroup Size	Medium Workgroup
Display	2.4-inch (60 mm) Color LCD display
Media Sizes Supported	A6, Oficio, 7 3/4 Envelope, 9 Envelope, JIS-B5, A4, Legal, A5, Letter, Statement, Executive, Universal, DL Envelope, Folio, 10 Envelope
Included Paper Handling	100-Sheet Multipurpose Feeder, 250-Sheet Output Bin, Integrated Duplex, 550-Sheet Input
Standard Ports	Gigabit Ethernet (10/100/1000), Front USB 2.0 Specification Hi-Speed Certified port (Type A), USB 2.0 Specification Hi-Speed Certified (Type B)
Size (in. - H x W x D)	11.9 x 15.7 x 14.7 in.
Weight (lb.)	34.8 lb.

Packaged Size (in. - H x W x D)	16.61 x 16.93 x 18.50 in.
Packaged Weight (lb.)	39.15 lb.

Printing

Print Speed	50 ppm[1]
Print Speed Duplex	Up to: Black: 24 spm[1] (Letter)
Time to First Page	As fast as: Black: 6 seconds
Print Resolution	Black: 1200 x 1200 dpi, 2400 Image Quality, 600 x 600 dpi, 1200 Image Quality
Duplex	2-sided: Integrated Duplex
Printable Area	0.16 inches of the top, bottom, right and left edges (within)

Paper Handling

Media Types Supported	Paper Labels, Card Stock, Plain Paper, Transparencies, Envelopes, Refer to the Paper & Specialty Media Guide
Finishing Option	No
Number of Paper Inputs	Standard: 2 Maximum: 5
Paper Input Capacity	Standard: 650 pages 20 lb or 75 gsm bond Maximum: 2300 pages 20 lb or 75 gsm bond 650 pages 20 lb or 75 gsm bond
Paper Output Capacity	Up to: Standard: 250 pages 20 lb or 75 gsm bond Maximum: 250 pages 20 lb or 75 gsm bond
Paper Weight Range Supported	lb.: 16 - 32 lb. (Standard Tray) 16 - 58 lb. (Multipurpose Feeder)
Optional Paper Handling	550-Sheet Lockable Tray, 250-Sheet Tray, 550-Sheet Tray
Recommended Monthly Page Volume	2000 - 20000 pages[2]
Maximum Monthly Duty Cycle	Up to: 175000 pages per month[3]

Cartridges & Imaging

Laser Cartridge Yields	Up to: 15,000[4]-page High Yield Cartridge 6,000[4]-page Cartridge 20,000[4]-page Extra High Yield Cartridge 25,000[4]-page Ultra High Yield Cartridge
Imaging Unit Estimated Yield	Up to: 60000 pages, based on 3 average letter/A4-size pages per print job and ~ 5% coverage[5]
Cartridge(s) Shipping with Product	6,000[4]-page Starter Return Program Toner Cartridge
Replacement Cartridges:	Product functions only with replacement cartridges designed for use in a specific geographical region. See www.lexmark.com/regions for more details.

Hardware

Processor	Dual Core, 1000 MHz
Memory	Standard: 512 MB Maximum: 512 MB
Hard Disk	Not Available

Printer Languages	Standard: PCL 5e Emulation, PCL 6 Emulation, Microsoft XPS (XML Paper Specification), Personal Printer Data Stream (PPDS), PostScript 3 Emulation, PDF 1.7 emulation, Direct Image, AirPrint™
Fonts and Symbol Sets	2 PCL bitmap fonts, OCR-A, OCR-B scalable PCL 5e fonts, For more information, refer to the Technical Reference., 84 scalable PCL fonts, 91 scalable PostScript fonts, 3 of 9 scalable PCL 5e fonts in Narrow, Regular and Wide, 5 PPDS bitmap fonts, 39 scalable PPDS fonts
Touch Screen Display	No

Connectivity

Direct USB	Yes
Ethernet Network	Yes
Wireless	Wireless Option
Network Protocol Support	TCP/IP IPv6, TCP/IP IPv4, AppleTalk™, TCP, UDP
Network Printing Methods	LPR/LPD, Direct IP (Port 9100), Pull Printing, Microsoft Web Services WSD, Secure IP (Port 96xx), FTP, TFTP, Enhanced IP (Port 9400), ThinPrint .print integration, IPP 1.0, 1.1, 2.0 (Internet Printing Protocol)

Network Management Protocols	DHCP, APIPA (AutoIP), mDNS, IGMP, WINS, DDNS, SNMPv3, SNMPv1, SNMPv2c, Telnet, NTP, ICMP, HTTP, DNS, ARP, HTTPs (SSL[6]/TLS), Finger
Network Security	SNMPv3, 802.1x Authentication: MD5, MSCHAPv2, LEAP, PEAP, TLS, TTLS
Optional Network Ports	Marknet N8370 WiFi Option, Marknet N8372 WiFi Option

Supported Operating Systems

Microsoft Windows Operating Systems Supported	Windows 10, Windows 8.1, Windows 8, Windows 8 x64, Windows 7 x64, Windows 8.1 x64, Windows 7
Apple Operating Systems Supported	Apple OS X (10.6, 10.7, 10.8, 10.9, 10.10, 10.11, 10.12, 10.13)
Linux Operating Systems Supported	Debian GNU/Linux 7.0, 8.0, Ubuntu 16.04 LTS, Fedora 23, 24, openSUSE Linux 42.3, Red Hat Enterprise Linux WS 6, 7, openSUSE Linux 13.2, SUSE Linux Enterprise Server 10, 11, 12
Citrix MetaFrame	Microsoft Windows 2000 Server running Terminal Services with Citrix MetaFrame XP Presentation Server or Citrix MetaFrame Presentation Server 3.0., Microsoft Windows Server 2012 with Citrix XenApp 6.0, 6.5, Microsoft Windows 2000 Server running Terminal Services with Citrix Presentation Server 3.0, 4.0, Microsoft Windows 2000 Server running Terminal Services with Citrix Presentation Server 4.0

Novell Operating Systems Supported	Novell Open Enterprise Server on SUSE Linux Enterprise Server, Novell NetWare 5.1(SP 6+), 6.0(SP 3+) with Novell Distributed Print Services (NDPS), Novell Open Enterprise Server 2 SP2 on SuSE Linux Enterprise Server 10 SP3 3, Novell NetWare 6.5 Open Enterprise Server, Novell Open Enterprise Server 11 on SUSE Linux Enterprise Server 11, Novell Open Enterprise Server 2 on SUSE Linux Enterprise Server 10 SP4
UNIX Operating Systems Supported	Sun Solaris x86 10, 11, Sun Solaris SPARC 10, 11, IBM AIX 6.1, 7.1

Electrical & Operation

ENERGY STAR	Yes
ENERGY STAR Typical Electricity Consumption	TEC: 2.1 kilowatt-hours per week
Noise Level	Operating: 14 dBA (Idle) 56 dBA (Print)
Duplex Print Noise Level	Operating: 56 dBA
Average Power	0.1 watts (Hibernate Mode) 2.2 watts (Sleep Mode) 9.5 watts (Ready Mode) 670 watts (Printing)

Specified Operating Environment	Humidity: 8 to 80% Relative Humidity Altitude: 0 - 5000 Meters (16,404 Feet) Temperature: 10 to 32°C (50 to 90°F)
Product Certifications	ENERGY STAR, ICES-003 Class B, BSMI Class B, VCCI Class B, US FDA, UL 60950-1, FCC Class B, cUL CAN/CSA-C22.2 60950-1, NOM, CB EN/IEC 60950-1, CB EN/IEC 60825-1, CE DoC (EN 62301 Class B, EN 62311, CE EN/IEC 60950-1, CE EN/IEC 60825-1, EN 61000-3, EN 55022 Class B, EuP, EN 55024, UL), EFTA (CE), KCC, CCC, CECP, CEL, C-tick DoC, UL-AR, KC mark, UL GS mark, EC 1275, MET-I, ISO 532B, ECMA-370, TED, GOST-R, SII, TER
UNSPSC Code	43212105
Harmonized Tariff Code	8443.32.1010
Country of Origin	China (PRC)
License/Agreement Terms	Printers are sold subject to certain license/agreement conditions. See www.lexmark.com/printerlicense for details.

Warranties

Limited Warranty	See Statement of Limited Warranty: 1-Year Exchange, Return-to-Base Service

[1]Print and copy speeds measured in accordance with ISO/IEC 24734 and ISO/IEC 24735 respectively (ESAT). For more information see: www.lexmark.com/ISOspeeds.
[2]"Recommended Monthly Page Volume" is a range of pages that helps customers evaluate Lexmark's product offerings based on the average number of pages customers plan to print on the device each month. Lexmark recommends that the number of pages per month be within the stated range for optimum device performance, based on factors including: supplies replacement intervals, paper loading intervals, speed, and typical customer usage.
[3]"Maximum Monthly Duty Cycle" is defined as the maximum number of pages a device could deliver in a month using a multishift operation. This metric provides a comparison of robustness in relation to other Lexmark printers and MFPs.
[4]Average standard page yield value declared in accordance with ISO/IEC 19752.
[5]Actual Yield may vary based on other factors such as device speed, paper size and feed orientation, toner coverage, tray source, percentage of black-only printing and average print job complexity.
[6]This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (http://www.openssl.org/)

†"Recommended Monthly Page Volume" is a range of pages that helps customers evaluate Lexmark's product offerings based on the average number of pages customers plan to print on the device each month. Lexmark recommends that the number of pages per month be within the stated range for optimum device performance, based on factors including: supplies replacement intervals, paper loading intervals, speed, and typical customer usage.

All information is subject to change without notice. Lexmark is not liable for any errors or omissions.

Product support

Register Your Product (https://www.lexmark.com/en_us/support/printer-registration.html)

Warranty Information (http://support.lexmark.com/index?page=home&linkSelected=node1&channel=warranty&userlocale=EN_US)

User Guide (http://md.lexmark.com/md4/?dest=publications&lang=en&country=en_US&productID=11837)

Drivers & Downloads (http://md.lexmark.com/md4/?dest=downloads&lang=en&country=en_US&productID=11837)

Customer Service

Order help (/en_us/order-help.html)

Send us an email (http://md.lexmark.com/md4?dest=presales&lang=en&country=en_US)

Recycling information (/en_us/products/supplies-and-accessories/collection-and-recycling-program/lecp.html)

Order by phone (tel:+1-800-539-6275)

Chat with a service representative (http://support.lexmark.com/index?locale=EN&page=emailECommerce&userlocale=EN_US)

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Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

FDE-006-HP

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Front Desk Equipment
Item Type	Front Desk Printer
Description	Connectivity: USB Features: Wireless Media Size: 3 x 5 in, A4, A5, A6, Legal, Letter Media Type: Cards, Envelopes, Labels, Plain Paper, Recycled Paper, Transparencies
Manufacturer	HP
Model	Laser Jet Enterprise M607dn
Dimensions	15 x 17 x 18.3
Notes	Verify all Front Desk Equipment with Owner.

SPECIAL INSTRUCTIONS

MANUFACTURER	AREAS
ALTERNATE MANUFACTURER 2	Welcome Desk
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Data sheet

HP LaserJet Enterprise M607 series

This HP LaserJet with JetIntelligence combines performance, energy efficiency, and security.[1]

This HP LaserJet Printer with JetIntelligence combines exceptional performance and energy efficiency with professional-quality documents right when you need them—all while protecting your network from attacks with the industry's deepest security.[1]

HP LaserJet Enterprise M607dn

HP LaserJet Enterprise M607n

The world's most secure printing[1]

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Run-time intrusion detection continually monitors to detect and stop attacks, then automatically reboots.
- Centralize control of your printing environment with HP Web Jetadmin—and help build business efficiency.[2]
- Give workgroups what they need to succeed. Easily choose and deploy over 175 HP and third-party solutions.

High-speed performance meets energy efficiency

- Speed through tasks and save paper. Print two-sided documents nearly as fast as single-sided.
- This printer wakes up fast and prints your first page faster—in as quickly as 7.8 seconds.[4]
- This printer uses exceptionally low amounts of energy thanks to its innovative design and toner technology.[5]
- Paper handling options include a wheeled stand and 550-sheet input feeder for paper sizes 4 x 6" to legal.

More. Performance and Protection.

- Produce sharp text, bold blacks, and crisp graphics with precision black toner.
- Help retain the Original HP quality you paid for with anti-fraud and cartridge authentication technology.
- Help retain the Original HP quality you paid for with anti-fraud and cartridge authentication technology.

[1] Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit http://www.hp.com/go/PrintersThatProtect. For more information: http://www.hp.com/go/printersecurityclaims [2] HP Web Jetadmin is available for download at no additional charge at http://www.hp.com/go/webjetadmin [3] Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see http://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity. [4] Measured after 15 min in sleep. Exact speed varies depending on the system configuration, software application, driver, document complexity and time in sleep. [5] Energy claim based on TEC data reported on energystar.gov as of January 2017. Data normalized to determine energy efficiency of in-class laser printers with published speed of 55 to 75 ppm. Subject to device settings. Actual results may vary. [6] An FCC Class A emissions compliant device meets the less stringent (higher) levels of emissions allowed by the FCC for a product operation in a commercial environment. An FCC class A device cannot be marketed for use in a residential environment and an FCC class A device should not be purchased for use in a residential environment due to the increased risk of interference to radio communications.

FDE-006-HP

Product walkaround

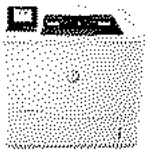
1. Hardware Integration Pocket[3]
2. 2.7-inch (6.9 cm) color graphics display with keypad
3. Easy-access USB port
4. 100-sheet multipurpose tray 1
5. Front door access to toner cartridges
6. 550-sheet input tray 2
7. 500-sheet output bin
8. Automatic two-sided printing
9. Host USB port
10. Host USB port
11. Gigabit Ethernet network port
12. Hi-Speed USB 2.0 printing port

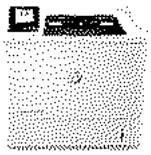
HP LaserJet Enterprise M607dn

Front view

Close-up of I/O ports

Series at a glance





Model	HP LaserJet Enterprise M607dn	HP LaserJet Enterprise M607n
Part number	K0Q15A	K0Q14A
Print speeds (letter/A4)[2]	Up to 55/52 ppm	Up to 55/52 pages per minute (ppm)
Control panel	2.7-inch (6.9 cm) LCD with keypad	2.7-inch (6.9 cm) LCD with keypad
Automatic two-sided printing	√	Not available
Hardware Integration Pocket[3]	√	Not available
100-sheet tray 1, 550-sheet tray 2	√	√
550-sheet paper feeder[4]	Optional (up to four)	Optional (up to four)
2,100-sheet paper feeder[4]	Optional	Optional
Envelope feeder	Optional (up to two)	Optional (up to two)
Printer stand	Optional	Optional
5-bin stapler/stacker/mailbox with job offset	Optional	Optional
Direct mobile printing	Optional wireless direct[5]/NFC[6]	Optional wireless direct[5]/NFC[6]
Wireless networking	Optional[7]	Optional[7]
HP High-Performance Secure Hard Disk	Optional	Optional

[1]An administrator must enable the easy-access USB port before use. [2]Measured using ISO/IEC 24734; excludes first set of test documents. For more information, see hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity. [3]Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchase. HIP not available on the HP LaserJet Enterprise M607n and M608n. [4]All models come standard with the 100-sheet multipurpose tray and 550-sheet tray 2. The HP LaserJet Enterprise M608x and M609x models come with one additional 550-sheet paper feeder standard, and can add up to three additional optional 550-sheet paper feeders and the optional 2,100-sheet paper feeder. The M607n, M607dn, M608n, M608dn, and M609dn models can add up to four additional 550-sheet paper feeders and the optional 2,100-sheet paper feeder. [5]Wi-Fi Direct printing is embedded in the HP LaserJet Enterprise M608x and M609x models. All other models can add wireless direct with the purchase of the optional HP Jetdirect 3000w NFC/Wireless Direct Accessory. Mobile device needs to be connected directly to the signal of a Wi-Fi Direct® supported MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. For details, see hp.com/go/mobileprinting. Wi-Fi Direct is a registered trademark of Wi-Fi Alliance®. [6]Touch-to-print capability is optional for all models (except M608x and M609x) with purchase of the optional HP Jetdirect 3000w NFC/Wireless Direct Accessory. Mobile device must support Near Field Communication (NFC)-enabled printing. For more information, see hp.com/go/businessmobileprinting. [7]All models can add wireless networking with the purchase of the optional HP Jetdirect 2900nw Print Server. Wireless performance is dependent on physical environment and distance from access point, and may be limited during active VPN connections. [8]Bluetooth Low Energy is standard only on the HP LaserJet Enterprise M608x and M609x models, and it cannot be added to other models. Bluetooth is a trademark owned by its proprietor and used by HP Inc. under license.

HP Services

Downtime can have serious consequences, so HP provides support beyond the standard warranty. You benefit from reduced risk, maximized uptime, predictable service delivery and no unbudgeted repair costs. HP Care Pack Services provide a comprehensive suite of protection services designed to keep HP hardware and software up and running so employees can stay productive.

Next Business Day Onsite with Defective Media Retention:
Customers can retain their hard disk drive and keep control of sensitive data.

Next Business Day Exchange:
Ships a permanent replacement unit overnight via premium airfreight, if hardware issue cannot be resolved remotely. Shipping charges are prepaid by HP.

Same Day Onsite – 4 hour 9x5 and 13x5:
Sends an HP technician to customers' site the same business day for repair, within 4 hours, if the issue cannot be resolved through remote support. Various support window times are available, for different requirements.

For carepack availability visit: hp.com/go/cpc

Top features

Only HP Enterprise printers repair themselves from attacks in real time while offering outstanding manageability. Automatically monitor threats, detect intrusions, and validate operating software while centrally managing your fleet with ease.[1]

With speeds up to 55 pages per minute,[3] fast first page out, and a variety of paper-handling options, you get confidence that your employees can speed through their tasks without interruption.

Help protect your printer using Original HP Toner cartridges with JetIntelligence.

Accessories

L0H17A - HP LaserJet 550-Sheet Paper feeder
L0H18A - HP LaserJet 2100 sheet Paper feeder
L0H19A - HP LaserJet Printer Stand
L0H20A - HP LaserJet Stapler/Stacker/ Mailbox
L0H21A - HP Envelope Feeder
B5L28A - HP Internal USB Ports
B5L29A - HP Secure High Perf Hard Disk Drive
J8031A - HP Jetdirect 2900nw Print Server
F5S62A - HP Trusted Platform Module Accessory
G6W84A - 1 GB Memory DIMM Kit
L0H22A - HP Extension Tray Cover

Supplies

J8J96A - HP Staple Cartridge Refill,
L0H24A - HP LaserJet 110v Maintenance Kit
L0H25A - HP LaserJet 220v Maintenance Kit
CF237A - HP 37A Black Original LaserJet Toner Cartridge (11,000 yield)

Services

U9MU2E - HP 5 year Next Business Day HW Support w/Defective Media Retention
U9MU5E - HP 5 year 4 hour 9x5 HW Support w/Defective Media Retention
U9MU8E - HP 5 year 4 hour 13x5 HW Support w/Defective Media Retention
U9MV1E - HP 5 year Next Business Day Call To Repair HW Support w/DMR
U9MV4E - HP 5 year Next Business Day Exchange Service
U9MV7E - HP 5 year Next Business Day Exchange Service
U9MW5PE - HP 2 year Post Warranty Next Business Day Hardware Support w/DMR
U9MW7PE - HP 2 year Post Warranty 4 hour 9x5 Hardware Support w/DMR
U9MW8PE - HP 1 year Post Warranty 4 hour 13x5 Hardware Support w/DMR
U9MX0PE - HP 2 yr Post Warranty Next Business Day Call To Repair HW Support w/DMR
U9MX1PE - HP 1 year Post Warranty Next Business Day Exchange Service

[1] Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit http://www.hp.com/go/PrintersThatProtect. For more information: http://www.hp.com/go/printersecurityclaims [2] HP Web Jetadmin is available for download at no additional charge at http://www.hp.com/go/webjetadmin [3] Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see http://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity. [4] Measured after 15 min in sleep. Exact speed varies depending on the system configuration, software application, driver, document complexity and time in sleep. [5] Energy claim based on TEC data reported on energystar.gov as of January 2017. Data normalized to determine energy efficiency of in-class laser printers with published speed of 55 to 75 ppm. Subject to device settings. Actual results may vary. [6] An FCC Class A emissions compliant device meets the less stringent (higher) levels of emissions allowed by the FCC for a product operation in a commercial environment. An FCC class A device cannot be marketed for use in a residential environment and an FCC class A device should not be purchased for use in a residential environment due to the increased risk of interference to radio communications.

FDE-006-HP

HP LaserJet Enterprise M607 series

Technical Specifications	HP LaserJet Enterprise M607dn(K0Q15A)	HP LaserJet Enterprise M607n(K0Q14A)
Print speed	**Letter:** Up to 55 ppm black; [8]; **First Page Out Black:** As fast as 5.3 sec; [10]	
Print resolution	**Black (best):** Up to 1200 x 1200 dpi	
Print Technology	Laser; **Print Resolution Technologies:** FastRes 1200; 1200 x 1200 dpi	
Print Cartridges Number	1 (black)	
Standard Print Languages	HP PCL 6, HP PCL 5 (HP PCL 5 driver available from the Web only), HP postscript level 3 emulation, native PDF printing (v 1.7), Apple AirPrint™	
Printer Smart Software Features	Print preview, duplex printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, easy-access USB	Print preview, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, easy-access USB
Printer Management	HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP Web JetAdmin Software; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver	
Standard Connectivity	1 Hi-Speed USB 2.0 Device; 2 Hi-Speed USB 2.0 Host; 1 Gigabit Ethernet 10/100/1000T network	
Network Capabilities	Yes, via HP Jetdirect Ethernet embedded print server (standard) which supports: 10Base-T, 100Base-Tx, 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gig Links; IPsec (standard); 802.11a/b/g/n wireless networking (optional).	
Wireless Capability	Energy Star: 2.131 kWh/Week	
Mobile Printing Capability	HP ePrint; Apple AirPrint™; Mopria-certified[7]	
Memory	**Standard:** 512 MB ; **Maximum:** 1.5 GB, MAX memory, when 1GB Accessory DIMM is installed	
Processor Speed	1.2 GHz / **Hard disk:** Optional, 500 GB (with accessory B5L29A)	
Duty Cycle	**Monthly, letter:** Up to 250,000 pages **Recommended Monthly Page Volume:** 5000 to 20,000 pages	
Paper Handling	**Input Capacities:** 100-sheet multipurpose feeder, 550-sheet input feeder; Up to 650 sheets standard labels legal; **Output Capacities:** 500 sheet output bin; up to 500 sheets standard labels legal; **Duplex Options:** Automatic (standard); **Envelope Feeder:** Yes, 75 (optional); **Standard Paper Trays:** 2; **Media Types Supported:** Paper (plain, light, bond, recycled, heavy, extra heavy, cardstock, pre-printed, pre-punched, colored, rough, heavy rough), mono transparency, labels, letterhead, envelope, heavy envelope; **Media Weight Supported:** Feeder 1: 16 to 53 lb bond (plain), 16 to 24 lb (envelopes); feeder 2: 16 to 32 lb bond (plain); **Media Sizes Supported:** feeder 1: Letter, legal, statement, executive, Oficio (8.5 x 13 in), envelopes [No. 9, No. 10, Monarch(7 3/4)], 3 x 5, 4 x 6, 5 x 7, 5 x 8; feeder 2: letter, executive, legal; **Media Sizes Custom:** feeder 1: 3 x 5 to 8.5 x 14 in; feeder 2: 3.90 x 5.83 to 8.5 x 14 in	**Input Capacities:** 100-sheet multipurpose feeder, 550-sheet input feeder; Up to 650 sheets standard labels legal; **Output Capacities:** 500 sheet output bin; up to 500 sheets standard labels legal; **Duplex Options:** Manual (driver support provided); **Envelope Feeder:** Yes, 75 (optional); **Standard Paper Trays:** 2; **Media Types Supported:** Paper (plain, light, bond, recycled, heavy, extra heavy, cardstock, pre-printed, pre-punched, colored, rough, heavy rough), mono transparency, labels, letterhead, envelope, heavy envelope; **Media Weight Supported:** Feeder 1: 16 to 53 lb bond (plain), 16 to 24 lb (envelopes); feeder 2: 16 to 32 lb bond (plain); **Media Sizes Supported:** feeder 1: Letter, legal, statement, executive, Oficio (8.5 x 13 in), envelopes [No. 9, No. 10, Monarch(7 3/4)], 3 x 5, 4 x 6, 5 x 7, 5 x 8; feeder 2: letter, executive, legal; **Media Sizes Custom:** feeder 1: 3 x 5 to 8.5 x 14 in; feeder 2: 3.90 x 5.83 to 8.5 x 14 in
Product Dimensions	**W x D x H:** 17 x 18.3 x 15 in; **Maximum:** 17 x 40.9 x 17.8 in	
Product Weight	47.7 lbs	
What's in the box	HP LaserJet Printer; HP Black Original LaserJet Toner Cartridge (~11K yield); CD with software drivers and documentation;Documentation (Hardware Install Guide); Power cord[2]	
Warranty Features	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Go to hp.com/support to learn about HP award winning service and support options in your region. (wty code 4G)	
Energy Efficiency Compliance	ENERGY STAR® qualified; EPEAT® Silver; EPEAT® Gold (#AAZ, #201 options only)	
Control Panel	2.7-in (6.86 cm) QVGA LCD (color graphics) rotating (adjustable angle) display with 24-key pad	
Display Description	2.7-in (6.86 cm) QVGA LCD (color graphics) rotating (adjustable angle)	
Software Included	HP Connected, HP Device Experience (DXP), HP PCL 6 (XPS) Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.HP.com or OS App Source for printer software), Online user manuals	
Fonts and Typefaces	105 internal TrueType fonts scalable in HP PCL, 92 internal scalable fonts in HP postscript level 3 emulation (Euro symbol built-in); 1 internal Unicode Fonts (Andale Mono WorldType); 2 Internal Windows Vista 8 Fonts (Calibri, Cambria); Additional font solutions available via third-party flash memory cards; HP LaserJet Fonts and IPDS Emulation available at http://www.hp.com/go/laserjetfonts	
Compatible Operating Systems	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)	
Compatible Network Operating Systems	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 SP1, Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5 [for Windows Server 2008 R2 Terminal Services, 32- and 64-bit], Citrix XenApp 6.0/6.5/7.5 [for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit], Citrix XenApp 7.5 [for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit], Citrix XenDesktop 5.6 [for Windows Server 2008 R2 Terminal Services, 32- and 64-bit], Citrix XenDesktop 5.6/7.0/7.5 [for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit], Citrix XenDesktop 7.0/7.5 [for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit], Novell NetWare 6.5/SP8 Novell Clients www.novell.com/iprint, Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers www.novell.com/iprint), Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2), Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-/64-bit (SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services	
Minimum System Requirements	**PC:** 2 GB available hard disk space; OS hardware requirements see microsoft.com; **MAC:** 1.3 GB available hard drive space; Internet; OS hardware requirements see Apple.com for more info	
Power	**Power Supply Type:** Built in 115V or 220V Power Supply (Not dual voltage, power supply varies by part number with # Option code identifier); **Power Requirements:** 100V - 127V nominal @ +/-10% (min 90V, max 140V); 50 - 60Hz nominal +/- 3Hz (min 47Hz, max 63Hz), 12 A; 220V - 240V nominal, @ +/-10% (min 198V, Max 264V); 50 - 60Hz nominal +/- 3Hz (min 47Hz, max 63Hz), 6 A; **Power Consumption:** 780 watts (printing), 15.3 watts (ready), 3.1 watts (sleep), < 0.1 watts (Auto Off/Manual On), < 0.1 watts (Manual Off)[3]	
Acoustics	**Acoustic Power Emissions:** 6.9 B(A); **Acoustic Pressure Emissions:** 55 dB(A)	
Operating Environment	**Operating Temperature Range:** 15 to 27ºC; **Recommended Operating Temperature:** 59 to 80.6ºF; **Storage Temperature Range:** -4 to 104ºF; **Non-Operating Humidity Range:** 10 to 80% RH; **Operating Humidity Range:** 30 to 70% RH; **Recommended Humidity Operating Range:** 10 to 90% RH	
Security Management	Identity management: Kerberos authentication; LDAP authentication; 1000 user PIN codes; optional HP and 3rd party advanced authentication solutions (e.g.; badge readers); Network: IPsec/firewall with Certificate; Pre-Shared Key; and Kerberos authentication; Supports WJA-10 IPsec configuration Plug-in; 802.1X authentication (EAP-PEAP; EAP-TLS); SNMPv3; HTTPS; Certificates; Access Control List; Data: Storage Encryption; Encrypted PDF & Email (uses FIPS 140 validated cryptographic libraries from Microsoft); Secure Erase; SSL/TLS (HTTPS); Encrypted Credentials; Device: Security lock slot; USB port disablement; hardware integration pocket for security solutions; Intrusion Detection with Red Balloon Security Technology - Constant in-device monitoring for attacks; SureStart Secure Boot - BIOS Integrity Checking with self-healing capability; Whitelisting - loads only known good code (DLLs, EXEs, ...); Security management: Compatible with HP JetAdvantage Security Manager, Device Security Syslog Messages processed and accessible in Arcsight and Splunk SIEMs	Identity management: Kerberos authentication; LDAP authentication; 1000 user PIN codes; optional HP and 3rd party advanced authentication solutions (e.g.; badge readers); Network: IPsec/firewall with Certificate; Pre-Shared Key; and Kerberos authentication; Supports WJA-10 IPsec configuration Plug-in; 802.1X authentication (EAP-PEAP; EAP-TLS); SNMPv3; HTTPS; Certificates; Access Control List; Data: Storage Encryption; Encrypted PDF & Email (uses FIPS 140 validated cryptographic libraries from Microsoft); Secure Erase; SSL/TLS (HTTPS); Encrypted Credentials; Device: Security lock slot; USB port disablement; Intrusion Detection with Red Balloon Security Technology - Constant in-device monitoring for attacks; SureStart Secure Boot - BIOS Integrity Checking with self-healing capability; Whitelisting - loads only known good code (DLLs, EXEs, ...); Security management: Compatible with HP JetAdvantage Security Manager, Device Security Syslog Messages processed and accessible in Arcsight and Splunk SIEMs

[1] EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country. [2] Cartridges included; yields 11,000 black pages based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies [3] Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. [4] Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. Energy Star value typically based on measurement of 115 V device. [5] Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled. [6] Average color composite (C/M/Y) and black declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies [7] May require a firmware upgrade to be compatible, download at http://www.hp.com/go/support [8] Measured using ISO/IEC 24734, excludes first set of test documents. For more information see http://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity. [9] Measured using ISO 24734 Feature Test, A5 Landscape Feed. Speed may vary based on content, PC, media orientation, and media type. [10] Measured using ISO/IEC 17629. For more information see http://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity. [11] eMMC is non-volatile storage; Firmware encryption (AES 128 or AES 256) of customer/job data; Secure Cryptographic Erase – Job Data; Secure Erase – Disk [12] Declared yield value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit http://www.hp.com/go/learnaboutsupplies

Learn more at hp.com

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4AA6-9783ENUC, March 2018, R1

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

FDE-007-LN

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Front Desk Equipment
Item Type	Front Desk Monitor
Description	Borderless LED Panel with a lift/tilt/pivot/swivel stand and display port connectivity.
Manufacturer	Lenovo
Model	ThinkCentre Tiny-in-One 22Gen3
Dimensions	13.35 x 19.26 x 2.85
Notes	Verify all Front Desk Equipment with Owner. Alternate monitor may be selected; verify with Owner. Verify that Mount Bracket will fit on alternate monitor stand.

SPECIAL INSTRUCTIONS

MANUFACTURER	AREAS
ALTERNATE MANUFACTURER 2	Welcome Desk
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

FDE-007-LN

The ThinkCentre Tiny-in-One 22Gen3

★★★★★ 5.0 (1)

Web Price: ~~$219.00~~

After Instant Savings:

$199.99

Savings: $19.01

Part number: 10R1PAR1US

Overview

The ThinkCenter Tiny-in-One 22" Gen3 helps you create a modular All-In-One (AIO) workspace free of cables and clutter. This borderless LED panel with a lift / tilt / pivot / swivel stand and DisplayPort connectivity delivers reliable performance at an affordable price. Slip a Tiny PC into the back, tuck your cables through the included clip and enjoy seamless, distraction-free computing. The ThinkCentre Tiny-in-One 22" Gen3 includes Eye Comfort features that reduce a user's eye fatigue, enable a better user experience and enhance office user productivity.

Features & Benefits

- One step, no-tool setup
- Equipped with camera and microphone for VOIP phone and video
- Borderless, sleek screen for enhanced visual information
- VESA-compatible mount allows device to be installed almost anywhere
- Compatible with Tiny PCs as well as almost all brand notebooks and desktops

What's in the Box

- One TIO 22 GEN3
- Stand and base
- AC power adapter
- Power Cord
- CD containing multilingual user guide, setup test pattern and Windows installation file
- Quick start and safety poster

Tech Specs

Maximum Resolution	1920x1080
Connections	3in1+DP
Display Type	FHD Wide IPS
Brightness	250 cd/m2 typical
Aspect Ratio	16:9
Stand	Lift Tilt Swivel Pivot
Refresh Time	14 Milliseconds
Screen Illumination	LED Backlight
Max Colors Built in Screen	16.7 million
Contrast Ratio	1000:1
Viewable Image Size Inches	21.5
Power Supply Type	Internal
Preset Display Modes	25
User Programmable Modes	25
Height (US)	13.35in
Width (US)	19.26in
Depth (US)	2.85in
Weight (US)	7.01 lbs
Height	339mm
Width	489.3mm
Depth	72.5mm
Weight	3.19kg
Swivel	45 degrees
Tilt	-5 to 30 degrees
Video Input	3in1+DP
Horizontal Viewing Angle	178 degrees
Min Operating Humidity	8%
Max Operating Humidity	80%
Min Operating Temperature	0C
Max Operating Temperature	40C
Ergonomics	EPEAT Gold
EPEAT	Gold
Supported Operating Systems	OS Independent
Warranty Types	Customer Carry-in or Mail-in Rapid Replacement Service
Warranty Period	Three Year

Towneplace Suites by Marriott
EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

FDE-008-LN

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Front Desk Equipment
Item Type	Front Desk Monitor Bracket
Description	Mounting Bracket
Manufacturer	Lenovo
Model	ThinkCentre Tiny VESA Mount II
Notes	Verify all Front Desk Equipment with Owner. Alternate monitor may be selected; verify with Owner. Verify that Mount Bracket will fit on alternate monitor stand.

SPECIAL INSTRUCTIONS

MANUFACTURER	AREAS
ALTERNATE MANUFACTURER 2	Welcome Desk
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

FDE-008-LN

ThinkCentre Tiny VESA Mount II

★★★★½ 4.6 (9)

Web Price: ~~$16.99~~

After Instant Savings:

$14.95

Savings: $2.04

Part number: 4XF0N03161

Ships in 5-7 business days.

ADD TO CART

Compare

Overview

The ThinkCentre Tiny VESA Mount II is a unique design specific to house the Tiny PC while featuring the universal VESA mount configuration. The VESA standard enables this mount to attach to anything that is VESA compatible for the utmost in mounting flexibility. This versatile mounting device can be used separately or combined with other options for secure mounting functionality.The ThinkCentre Tiny VESA Mount is a required component for the following ThinkCenter Tiny options

Tech Specs

Color	Black
Hardware Requirements	NO
Brand	ThinkCentre
Packed Weight	487g
Other Physical Specifications	No
Package Type	Brown Box
Included Accessory	No
Shipment Group	Tiny VESA Mount II; Setup Poster
Supported Operating Systems	OS Independent

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EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

FDE-009-LN

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Front Desk Equipment
Item Type	Front Desk Keyboard & Mouse
Description	Wireless Keyboard & Mouse Combo
Manufacturer	Lenovo
Model	4X30M39458
Dimensions	.81 x 16.69 x 6.12
Notes	Verify all Front Desk Equipment with Owner.

SPECIAL INSTRUCTIONS

MANUFACTURER	AREAS
ALTERNATE MANUFACTURER 2	Welcome Desk
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

FDE-009-LN

Lenovo Wireless Keyboard and Mouse Combo

4.4 (43)

Web Price: ~~$44.99~~

After Instant Savings:

$38.24

Savings: $6.75

Part number: 4X30M39458

Ships in 5-7 business days.

Overview

The Lenovo Essential Wireless Keyboard and Mouse Combo – a sleek and stylish keyboard and mouse! The slim 2.5 zone wireless keyboard has a responsive key feeling and premium typing experience. The standard size wireless mouse compliments the keyboard in design and functionality.

Features & Benefits

- Advanced 2.4ghz wireless connection ensures consistent, reliable connectivity
- Plug-and-play micro wireless receiver easily connects both keyboard and mouse
- LED indicators show battery life status
- Keyboard has low-profile, island-style keys, adjustable tilt legs and is spill-resistant, 1 year battery life
- Mouse has optical sensor for precision tracking, ambidextrous three-button design, 1 year battery life

What's in the Box

- Lenovo Essential Wireless Mouse
- Lenovo Essential Wireless Keyboard
- USB Receiver
- AA Batteries
- Setup Warranty Poster

Height (US)	0.81 in
Width (US)	6.12 in
Depth (US)	16.69 in
Weight (US)	0.13 lbs

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EQUIPMENT
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

FDE-010-LN

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Front Desk Equipment
Item Type	Front Desk Computer
Description	Compact PC
Manufacturer	Lenovo
Model	ThinkCentre M920 Tiny
Notes	Verify all Front Desk Equipment with Owner. Alternate monitor may be selected; verify with Owner. Verify that Mount Bracket will fit on alternate monitor stand. This PC can be mounted on the back of the Monitor Stand or in an independent location

SPECIAL INSTRUCTIONS

MANUFACTURER	AREAS
ALTERNATE MANUFACTURER 2	Welcome Desk
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

FDE-010-LN

ThinkCentre M920 Tiny

- Designed for heavy-duty, intensive tasks
- Compact PC that makes an impact
- MIL-SPEC tested for durability and reliability
- boasts powerful 8th Generation Intel® processing options
- highly responsive memory, and lightning-fast storage options
- Its size and versatility will free up valuable desk space, too.

Starting at: $699.00

Pay as low as $25/month

★★★★★ 4.8 (5)

VIEW OR CUSTOMIZE

FDE-010-LN

Features

Perfect for users, even better for IT managers

Power-packed and business-ready, the ThinkCentre M Series, which includes the Tower, SFF, Thin Client, and the M920 Tiny, is the perfect choice for progressive IT managers looking for high-performance, reliable, and secure desktop solutions. Easy to set up, deploy, and manage in any office environment, the M Series boasts the latest processing, memory, and storage technology, and have a number of large storage capacity options. In addition, robust security features come built-in to safeguard your critical data and provide reliability your organization can count on.

For real results, you need real power

With the latest generation of Intel® processors, cutting-edge DDR4 memory, and the option of solid-state storage, the compact ThinkCentre M920 Tiny is as powerful and responsive as a full-sized desktop. It enables you to get more things done, more quickly—and with more elbow room, too.

What are you waiting for?

For an even faster, smoother, and more responsive PC experience, opt for a hard drive with Intel® Optane™ memory. By recognizing the way you work, this smart next-gen technology accelerates

FDE-010-LN

It's good to have high-speed connections

When it comes to ports, the ThinkCentre M920 Tiny has plenty. It includes USB 3.1 Gen 2** technology for faster charging and data transfers, even if your PC is shut down or in sleep mode. The ports are placed conveniently, too—enabling you to hook up an extra hard drive or monitor in seconds.

Can fit—and work—anywhere

On a bookshelf, behind a monitor, under the desk...you can fit your ThinkCentre M920 Tiny anywhere. What's more, it's been rigorously tested to MIL-SPEC standards, so it works in almost any environment—from the Arctic to the desert and everywhere in between.

FDE-010-LN

Shown with optional VGA and Serial ports punch-outs

Easy to use, configure, & upgrade

If your PC is out of reach, you can switch it on remotely with a simple shortcut, Alt+P. The ThinkCentre M920 Tiny also has a number of expansion slots, enabling it to be configured to meet your business needs. What's more, should you need to swap out any components with the optional tool-less screw, you can slide off the side panel without any tools.

Go green, save green

Every ThinkCentre M920 Tiny is equipped with Smart USB Protection. Smart USB Protection prevents theft of sensitive data and ensures no malware enters the system or network through USB ports, by letting you restrict what USB devices can access the PC. In addition, the TPM, or Trusted Platform Module, provides hardware-based security, including the generating and storing of cryptographic keys, while a Kensington Lock slot lets you physically secure your ThinkCentre M920 Tiny desktop.

FDE-010-LN

One less thing to worry about

Every ThinkCentre M920 Tiny is equipped with Smart USB Protection. It lets you restrict what USB devices can access the PC, while ensuring that no malware enters the system or network through USB ports. In addition, there's TPM, or the Trusted Platform Module, providing hardware-based security, including the generating and storing of cryptographic keys, while a Kensington Lock port lets you physically secure your M920 Tiny.

Tech Specs

Processor	Up to 8th Generation Intel® Core™ i7-8700T 6 core Processor (2.40GHz, up to 4.0GHz with Turbo Boost technology, 12MB Cache)
Operating System	• Windows 10 Home • Windows 10 Pro - **Lenovo recommends Windows 10 Pro**

FDE-010-LN

Storage	• 2.5" HDD • PCIe add-on cards
Graphics	Intel® Integrated Graphics
Expansion Slots	• 1 x M.2 SSD or Intel® Optane™ • 1 x M.2 WiFi
Optical Drive	DVD-RW Multi-burner (optional)
Power	• 65 W 88% adapter • 135 W 88% adapter
Dimensions (W x D x H)	179 mm x 36.5 mm x 182.9 mm / 7.0" x 1.4" x 7.2"
Weight	Starting from 1.32 kg / 2.91 lb
Connectivity	• Intel 9560 802.11AC (2 x 2) with vPro® + Bluetooth 5.0
Front Ports	• USB 3.1 Gen 2** (with up to 10 Gbps data transfer) • USB 3.1 Gen 1** Type-C (with up to 5 Gbps data transfer) • Microphone jack • Headphone/microphone combo jack
Rear Ports	• 2 x USB 3.1 Gen 2** (with up to 10 Gbps data transfer) • 2 x USB 3.1 Gen 1** (with up to 5 Gbps data transfer)

FDE-010-LN

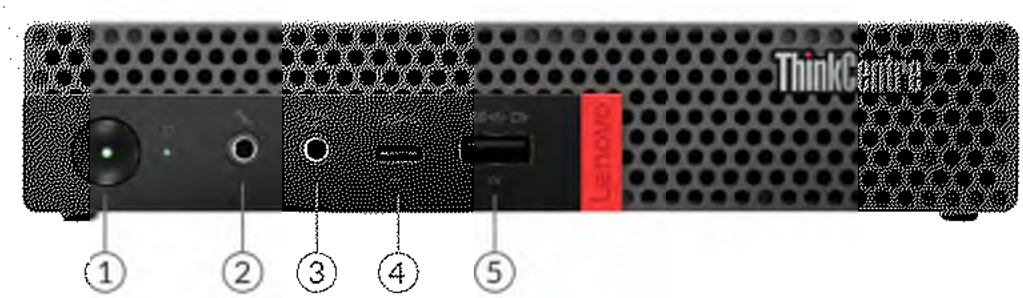
	• Punchout 1: DP/HDMI/Type- C/VGA/Serial (optional) • Punchout 2: Serial (optional) • RJ45 Gigabit Ethernet
PCIe Add-on Cards	• 4-port LAN Add-on Card (optional) • 4-port COM Add-on Card (optional) *** Adding the PCIe Add-on card will replace the punch out ports**

Specifications may vary depending upon region

** The actual transfer speed of the USB 3.1 [Gen 2] will vary and, depending on many factors, such as the processing capability of host and peripheral devices, file attributes and other factors related to system configuration and your operating environments, will be slower than a speed of [10 Gbit/s]

Ports

Front



1. Power button

FDE-010-LN

3. Headphone/microphone combo jack
4. USB 3.1 Gen 1 Type-C
5. USB 3.1 Gen 2 (Fast Charge)

Rear

6. Kingston Lock Slot
7. Punchout-1 (Optional VGA shown)
8. Punchout-2 (Optional Serial shown)
9. Power Input
10. DisplayPort
11. USB 3.1 Gen 2
12. HDMI
13. USB 3.1 Gen 2
14. USB 3.1 Gen 1
15. LAN
16. Wifi/SMA antennae adapter (Optional)

ELECTRICAL

Receptacles and Switches

Towneplace Suites by Marriott
ELECTRICAL
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

EL-001-LM

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Switch
Item Type	Rocker Switch
Description	Rocker style light switches
Manufacturer	Leviton
Model	'Decora Devices' Rocker Switch: 5601 Series
Color	White, with white wall plate
Material Composition	Thermoplastic
CSI #	262726 - Wiring Devices
Omniclass #	22 - 262726 - Wiring Devices
Lead Time	Stocked product--contact Leviton customer service to verify quantities needed
Warranty	2-Year Limited
Notes	Rocker style light switch and receptacle insert color to match wallplate/faceplate color

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Leviton Mfg. Company, Inc
Contact Name: Rick Gavenda
Phone: (609) 409-9634
Email: rgavenda@leviton.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Lobby
Public Restrooms
Welcome Desk
Hub
Community
Connection Center
In-A-Pinch
On Us
Fitness Center
Indoor Pool
Pool Restroom
Flex

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New Build - Generation 5 - 89K & 112K
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EL-002-LM

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Switch
Item Type	Rocker Switch
Description	Rocker style light switches
Manufacturer	Leviton
Model	'Decora Devices' Rocker Switch: 5601 Series
Color	Black, with Stainless Steel plate
Material Composition	Thermoplastic
CSI #	262726 - Wiring Devices
Omniclass #	22 - 262726 - Wiring Devices
Lead Time	Stocked product--contact Leviton customer service to verify quantities needed
Warranty	2-Year Limited
Notes	Rocker style light switch and receptacle insert color to match wallplate/faceplate color

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Leviton Mfg. Company, Inc
Contact Name: Rick Gavenda
Phone: (609) 409-9634
Email: rgavenda@leviton.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Buffet

MILLWORK

Welcome Desk_ML-001

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MILLWORK
New Build - Generation 5 - 89K & 112K
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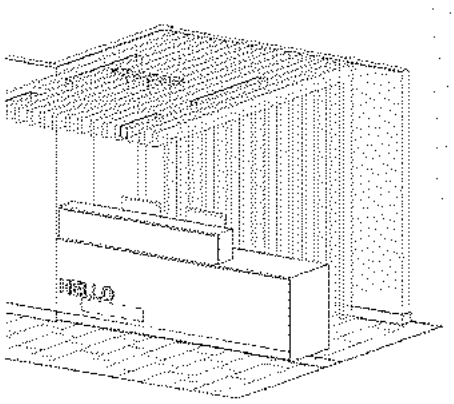
ML-001

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Welcome Desk
Item Type	Reception Millwork
Description	Plastic Laminate Clad Custom Millwork that houses Front Desk Equipment consisting of cabinets, shelves and countertops.
Manufacturer	R.B. Woodcraft, J. Suss Industries, MGroup; MillRock Casework
Model	Not Applicable
Dimensions	Refer to Design Guideline Drawings
Color	Refer to Design Guideline Drawings and Building Product Manual
Finish	Refer to Design Guideline Drawings and Building Product Manual
Material Composition	Cabinet to Door Interface shall be Frameless, Flush (Full) Overlay. Grain direction to be horizontal on doors, drawer fronts, & end panels.
CSI #	12 32 16 - Manufactured Plastic Laminate Clad Casework
Omniclass #	22-12 32 16 - Manufactured Plastic Laminate Clad Casework
Grade	Lumber shall be in accordance with the AWS Grade specified for the product being fabricated. Moisture content shall be 6% to 12% for boards up to 2-inches nominal thickness, and shall not exceed 19% for thicker pieces.
Classification	Particle Board: ANSI A208.1, Mat-Formed Particle Board, Grade 1-M-2, with minimum density of 45 pcf. Internal bond of 60 psi, and minimum screw holding capacity of 225 lb. on faces and 200 lb. on edges. Hardboard: ANSI A135.4, Class 1, tempered. E. MDF: ANSI A208.2, Grade 130.
Acoustical Performance	Door & Drawer bumpers to be placed on all cabinet doors and drawers.
Best Practices	Use products with no urea-formaldehyde resins. Use adhesives with Low VOC content.
Quality Standards	Architectural Woodwork Standards (AWS)
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	N
Design & Construction	See attached specifications. All listed millwork must be manufactured in accordance with the attached specifications.
Lighting	Not Applicable
Plastic Laminate	Refer to Specifications within Building Product Manual
Millwork Hardware	Refer to Specifications within Building Product

	Manual
Pattern/ Color	Refer to drawings for finishes. Review and approval of finish samples required prior to manufacturing.
Fabric Wrapped Panels	Not Applicable
Lead Time	TBD
Notes	1. Public Space Casework: Interior face of exposed cabinet units shall be Thermoset Decorative Overlay (melamine), to match door fronts as shown in the Design Guideline Drawings. a. Exposed & Semi-Exposed ends: Grade VGS plastic laminate or minimum 1mm thick PVC edge banding. Color to match exposed faces. 2. Top and Bottom Rails; and Sub-toe Boards: Not less than 3/4-inch particleboard faced with Grade VGS plastic laminate to match door and drawer fronts. Machine ends for wood-dowel or mechanical dowel fasteners to receive top, bottom, and back. Base ends to extend to floor. Finish exposed ends to match doors and doors and drawer fronts. 3. Unexposed Ends: Not less than 3/4-inch tempered hardboard; finished with Thermoset Decorative Overlay (Melamine). Attach to front frame in same manner as exposed ends. 4. Back Panels: Not less than 1/4-inch tempered hardboard or MDF; finished with Thermoset Decorative Overlay (Melamine). 5. Doors 48 Inches or Less in Height: 3/4 inch thick, Particle Board cores. Front faces to be Grade VGS plastic laminate overlay, and back faces to be Thermoset Decorative Overlay (melamine). Provide stop silencers at the top and bottom of all hinged doors. 6. Shelving (within cabinetry): Not less than 3/4" particle board with Thermoset Decorative Overlay (melamine) to match cabinet interior, PVC edge banding; adjustable at least every 1-1/2 inch; clear plastic [seismic] shelf clip pressed into 5mm holes bored in cabinet side. Fabricate base shelf to half depth. a. Exposed Fixed Shelving Units: Front faces to be Grade VGS plastic laminate overlay. 7. Filler Strips: Provide as needed to close spaces between cabinets and walls, ceilings, and indicated equipment. Fabricate from same material and with same finish as cabinets. Oversize for field cutting to suit field conditions and assure continuous enclosure of open spaces. Provide raw (unfinished) cleats at blind corners and appliance openings as required to support countertops, minimum 3/4-inch x 1-1/2 inch x 8 foot length, to be field cut and fit by the installer. 8. Base Cabinet Units: a. Base Cabinet Top Frames: 3/4-inch solid wood with mortise and tenon or doweled connections, glued

and pinned or screwed. Base Cabinet Stretchers: 3/4-by-4-1/2-inch plywood, Particle Board, or MDF strips or solid-wood boards at front and back of cabinet, glued and pinned or screwed.
b. Base Cabinet Stretchers may be provided as an option to base cabinet top frames.
c. Bottoms: Not less than 1/2-inch hardwood plywood faced with Thermoset Decorative Overlay (Melamine) to match door and drawer fronts, fully supported by and secured in rabbets in end panels, front frame, and back bottom rail.
d. Corner Blocks: Glued and fastened in each of four top corners to maintain cabinet squareness and rigidity.
9. Drawers:
a. Provide box-type construction with sub-front and back joined with glued dovetail or rabbeted into sides and secured with glue and mechanical fasteners. Clear coat all exposed surfaces. Match color of sides and bottoms with drawer fronts.
b. Drawer Fronts: 3/4-inch-thick, Particle Board cores. Front faces to be Grade VGS plastic laminate overlay, and back faces to be Thermoset Decorative Overlay (melamine).
c. Drawer Sides Sub-fronts, and Backs: Not less than 1/2-inch hardwood dovetail construction or 3/4-inch thick Particle Board faced with Thermoset Decorative Overlay (melamine). Provide PVC edge banding to match finish of fronts.
d. Exposed fronts fastened to Sub-fronts with mounting screws from interior of body.
e. Drawer bottom of not less than 1/4-inch thick plywood faced with Thermoset Decorative Panel overlay (melamine), set into rabbets in back, sides, and sub-fronts.

SPECIAL INSTRUCTIONS

Architect / General Contractor to coordinate millwork with equipment sizes and requirements, to include printer, CPU, monitor, keyboard, telephone, data, cash drawers, key card programmer, etc. All Welcome Desk drawers and cabinets are to be lockable.

MANUFACTURER

Vendor Name: RB Woodcraft Inc
Contact Name: Drew Brooks
Phone: (315) 474-2429
Email: drewbrooks@rbwoodcraft.com

ALTERNATE MANUFACTURER 2

Vendor Name: J Suss Industry
Contact Name: Liane Alexander
Phone: (866) 769-5666
Email: liane@jsuss.com

AREAS

Reception
Welcome Desk

ALTERNATE MANUFACTURER 3

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 4

Vendor Name: Millrock
Contact Name: Jared Jaudon
Phone: (540) 437-3458
Email: jjaudon@millrock.com

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-001_CT-002-WIL

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop
Manufacturer	Wilsonart International, Inc.
Model	Q1017
Dimensions	3/4" Thick
Color	Vesuvius
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661
Fire/Smoke Rating	ASTM E84 Class 1 (NFPA Class A) FS-25 or less.
Structural Performance	Mohs Hardness Scale: 6 to 6.5. Density: Not less than 2 g/cm3 when tested per ASTM C97.
Thermal Performance	Thermal shock: Pass 5 cycles, tested per ASTM C484.
Best Practices	UL Greenguard certified
Quality Standards	NSF/ANSI 51 Certified. Stain resistance: Passes ANSI Z124.6. Water absorption: Maximum 0.04 percent, tested per ASTM C97. Chemical resistance: Not Affected when tested per ASTM C650.
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	N
Thickness	3/4"
Finish	Polished
Warranty	One (1) year minimum warranty against defects in materials and workmanship. Commercial Lifetime warranty
Notes	Refer to drawings for edge profile

SPECIAL INSTRUCTIONS

Label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2'-0" apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524

AREAS

Welcome Desk
Connection Center
Reception

Email: morgena@wilsonart.com	
ALTERNATE MANUFACTURER 2	
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

TECHNICAL DATA
Wilsonart® Quartz

Wilsonart
2501 Wilsonart Drive
P.O. Box 6110
Temple, TX 76503-6110

1. Distributor

Wilsonart LLC
2501 Wilsonart Drive
P.O. Box 6110
Temple, Texas 76503-6110
Toll-Free: 800-433-3222
Website: www.wilsonart.com

2. Product Descriptions

Product Composition

Wilsonart® Quartz is manufactured with up to 93 percent high quality natural quartz crystals, high quality polyester binders, and proprietary coloring agents that are homogeneous, with uniform color throughout their thickness.

Basic Limitations

Wilsonart® Quartz is designed for interior use only, ideal for residential and commercial applications. Wilsonart Quartz is a solid, non-porous, highly durable surface and resistant to scratching, staining, and water absorption and is virtually maintenance free.

Fabrication

Refer to the Wilsonart Quartz Fabrication Manual or contact a Wilsonart® Quartz Fabricator or Distributor for details.

Colors and Finishes

Wilsonart® Quartz has created a wide array of colors. Wilsonart Quartz is available in a polished finish.
Glossometer reading: >45

Sheet Dimensions:

	Wilsonart® Quartz Standard Size
Available Sizes	120” (306 cm) x 55” (140 cm), 120” (306 cm) x 63” (160 cm), 126” (320 cm) x 63” (160 cm), 130” (330 cm) x 65” (166 cm)
Thickness	Product Type 062 = 0.79" (2 cm) ± 0.060"(0.15 cm)
Thickness	Product Type 063 = 1.18" (3 cm) ± 0.060"(0.15 cm)
Approximate Weight	Product Type 062 = 10 lbs./ft^2 (2 cm)
Approximate Weight	Product Type 063 = 15 lbs./ft^2 (3 cm)

* Please consult Wilsonart® Quartz Design Library on www.wilsonart.com for available slab sizes by pattern

Physical Properties

Test Description	**Typical Results**	**Test**
Flexural Strength (psi)	>6,000	ASTM D 790
	31 - 75	EN14617-2
Thermal Expansion Coefficient	16 x 10^{-6} - 20.8 x 10^{-6*}	EN14617-11
Impact Resistance	3.4 – 7.35	EN14617-9
Stain Resistance	No Effect	EN14617-10
High Temperature Heat Resistance	No Effect to Slight Effect	ISO 4586
Chemical Resistance (acids and bases)	C4	EN14617-10
Abrasion Resistance	>100	ASTM C501
	23.6 – 27.5	EN14617-4

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Density (g/cm^3)	>2.1	ASTM C97
Compressive Strength (One Axis – Dry) (psi)	>20,000	ASTM C170
Moisture Absorption	<0.03	ASTM C97
	<0.03	EN14617-1
Freeze and Thaw Resistance	0.999	EN14617-5
Fire Behavior	Class 1/A Rating	ASTM E 84

**Test results vary slightly depending on pattern.*
The information contained in this section is based on technical data which Wilsonart LLC believes to be reliable, and is intended for use by persons having knowledge of this technical area at their own discretion.

Certifications
Wilsonart® Quartz is UL GREENGUARD Standard and Gold Standard Certified for low chemical emissions.
NSF 51 Food Zone and FDA food contact compliant.
Wilsonart Quartz is Kosher certified under the Kashruth Division of the Orthodox Union.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Quartz per ISO 4586-2 Method 31 (B)
No effect was exhibited except as noted (* or **) on the following:

1. Beckart Environmental (Stabilized Chlorine Dioxide Mixed with Water at 3000ppm)
2. Benefect® *
3. Claire® Germicidal Cleaner (Country Fresh Scent) **
4. Claire® Disinfectant Spray Q (Country Fresh Scent) **
5. Clean Republic – All Purpose Everyday Cleaner (Hypochlorous Acid – 0.003% Solution)
6. Clorox® Anywhere® Hard Surface Sanitizing Spray *
7. Clorox® Clean-Up (Cleaner & Bleach)
8. Clorox® Disinfecting Bleach w/6% Sodium Hypochlorite (24:1/Water:Bleach)
9. Clorox® Disinfecting Spray
10. Clorox® Disinfecting Wipes
11. Clorox Healthcare® Bleach Germicidal Cleaner *
12. Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant *
13. Clorox Healthcare® Fuzion® Cleaner Disinfectant *
14. Clorox Healthcare® VersaSure® Cleaner Disinfectant Wipes
15. Clorox® Total 360 Disinfectant Cleaner
16. Diversey™ Expose® II 256 *
17. Diversey™ Oxivir 1 *
18. Diversey™ Oxivir Tb Wipes *
19. Diversey™ Stride® Floral Neutral Cleaner
20. Diversey™ Virex® II 256 *
21. Fabuloso® Complete (Multi-Purpose Cleaner)
22. Lysol® Professional Disinfectant Spray
23. Microban® 24 Hour (Multi-Purpose Cleaner)
24. PDI Sani-Prime® Germicidal Spray
25. PDI Super Sani-Cloth® Germicidal Disposable Wipes
26. PURELL® Advanced Hand Sanitizer Gel *
27. Purell® Food Service Surface Sanitizer *
28. Purell® Professional Surface Disinfectant *
29. Purell® Healthcare Surface Disinfectant *
30. Simple Green® Concentrated (All-Purpose Cleaner)
31. Spic and Span® Everyday (Antibacterial Cleaner)

Test procedure: Listed materials were placed in contact with Wilsonart® Quartz surface under 1" (25.4mm) diameter watch cover glass for 16 hours duration prior to evaluation for effect. The branded cleaners and sanitizers listed above were cleaned with water only.

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* Causes slight change of gloss or color.
** Causes slight damage, with degree of damage proportionate to length of exposure and concentration.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Quartz per BIFMA HCF 8.1-2014 (Section 6 / Modified)
No effect was exhibited except as noted (* or **) on the following:

1. Beckart Environmental, Inc. (Stabilized Chlorine Dioxide Mixed with Water at 3000ppm)
2. Benefect®
3. Claire® Germicidal Cleaner (Country Fresh Scent)
4. Claire® Disinfectant Spray Q (Country Fresh Scent)
5. Clean Republic – All Purpose Everyday Cleaner (Hypochlorous Acid – 0.003% Solution)
6. Clorox® Anywhere® Hard Surface Sanitizing Spray
7. Clorox® Clean-Up (Cleaner & Bleach)
8. Clorox® Disinfecting Bleach w/6% Sodium Hypochlorite (24:1/Water:Bleach)
9. Clorox® Disinfecting Spray
10. Clorox® Disinfecting Wipes
11. Clorox Healthcare® Bleach Germicidal Cleaner
12. Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant *
13. Clorox Healthcare® Fuzion® Cleaner Disinfectant
14. Clorox Healthcare® VersaSure® Cleaner Disinfectant Wipes
15. Clorox® Total 360 Disinfectant Cleaner
16. Diversey™ Expose II 256
17. Diversey™ Oxivir 1 *
18. Diversey™ Stride® Floral Neutral Cleaner
19. Diversey™ Tb Wipes *
20. Diversey™ Virex II 256
21. Fabuloso® Complete (Multi-Purpose Cleaner)
22. Lysol® Professional Disinfectant Spray
23. Microban® 24 Hour (Multi-Purpose Cleaner)
24. PDI Sani-Prime® Germicidal Spray
25. PDI Super Sani-Cloth® Germicidal Disposable Wipes
26. PURELL® Advanced Hand Sanitizer Gel
27. Purell® Food Service Surface Sanitizer
28. Purell® Professional Surface Disinfectant
29. Purell® Healthcare Surface Disinfectant
30. Simple Green® Concentrated (All-Purpose Cleaner)
31. Spic and Span® Everyday (Antibacterial Cleaner)

Test procedure: Listed reagent materials were placed in contact with Wilsonart® Quartz surface with a one-inch square 100% cotton cloth completely saturated and covered with a 2” (50.8mm) diameter watch cover glass for 15 minute duration. The reagents listed above were removed with clean cloth and the area was then cleaned with clean cloth and distilled water only. The surface area was allowed to dry for 1-hour prior to evaluation for effect.
* Causes slight change of gloss or color.
** Causes slight damage, with degree of damage proportionate to length of exposure and concentration.

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3. Care and Maintenance

4. Warranty

5. **Customer Service**
   For samples, literature, questions, technical assistance, or warranty information, please contact our toll-free Hotline at (800) 433-3222, Monday through Friday, 8 am – 5 pm CST, or visit our website at www.wilsonart.com.

Quartz Tech Data
Revised: July 9, 2020
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Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-001_LA-001-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Plastic Laminate
Item Type	Type 107 General Purpose (HGS) Laminate
Description	General purpose laminate product
Manufacturer	Wilsonart
Model	#15504-31
Dimensions	0.045" Plus Minus 0.005" Thickness, Standard Sheet Widths 36", 48", 60" x Standard Sheet Lengths 96", 120", 144"
Color	Charcoal
Finish	31 Traceless
Material Composition	Melamine impregnated deccorative surface papers combined with fire retardant phenolic treated kraft paper
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI 3. A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Charcoal 15504-31
Warranty	1 Year
Notes	Recommended substrates for laminates are Particleboard, Medium Density Fiberboard (MDF) or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates. Refer to Design Guide Project Master, Section 12 32 16 for Casework and 12 36 23 for Countertops.

SPECIAL INSTRUCTIONS

All substrates should be sanded smooth, and should be clean and free of oil or grease, and uniform in thickness.

MANUFACTURER

Vendor Name: Wilsonart International
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Email: morgena@wilsonart.com

AREAS

Welcome Desk
On Us
Buffet

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

ALTERNATE MANUFACTURER 2	Flex Fitness Center Employee Areas Elevator Lobby Entrance Vestibule
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

TECHNICAL DATA
Wilsonart® Laminate
Basic Types 107, 335, 350

Wilsonart®
ENGINEERED SURFACES

2501 Wilsonart Dr
PO Box 6110
Temple, TX 76503-6110

1. Manufacturer

Wilsonart LLC
2501 Wilsonart Drive
P.O. Box 6110
Temple, Texas 76503-6110
Phone: (254) 207-7000; (800) 433-3222
Fax: (254) 207-2384
Web Site: www.wilsonart.com

2. Product Description

Recommended Uses

Wilsonart® Laminate, types 107, 335, and 350, is suitable for use on fine quality residential and contract furniture, fixtures and casework, and also for architectural application on columns, wainscoting, valances, cornices, interior doors and divider systems.

- **General Purpose (HGS) Type 107** is most frequently used for work surfaces on counters, islands, vanities, desks and tables. Typical vertical uses include surfacing for wall panels, teller cages and the front panels of workstations, such as those in hospitals, airports and restaurants. Type 107 is produced for both horizontal and vertical interior applications where the surface must be functional, durable and decorative.
- **Vertical Surface (VGP) Type 335** is the usual choice to surface cabinet walls, doors and drawer panels. It often appears on the vertical surfaces of desks, restaurants booths and maître d' stations, and as architectural cladding. Type 335 is intended for vertical applications where a functional, durable, decorative surface must absorb somewhat less impact than a comparable horizontal surface. VGP surfaces may be postformed to achieve radius edges.
- **Postforming (HGP) Type 350** adds the decorative capability of a soft edge to any typical laminate use. Common applications of post forming laminates are formed edges for counters, desktops, cabinet doors and drawer panels. Type 350 is intended for use on vertical and horizontal interior surfaces where it is necessary or desirable to roll the laminate on a simple radius over the edge of the substrate. This eliminates seams and leaves an attractive surface.

Product Composition

Decorative surface papers impregnated with melamine resins are pressed over Kraft paper core sheets impregnated with phenolic resin. These sheets are then bonded at pressures greater than 1000 pounds per square inch at temperatures approaching 300°F (149°C). Finished sheets are trimmed, and the backs are sanded to facilitate bonding.

Basic Limitations

Wilsonart Laminate is for interior use only and is not recommended for direct application to plaster, concrete walls, or gypsum wallboard. It is not structural material and must be bonded to a suitable substrate.

Do not subject Wilsonart Laminate to extremes in humidity, temperatures higher than 275°F (135°C) for substantial periods of time, or intense, continuous, direct sunlight.

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Patterns & Colors
Available in the full range of Wilsonart solid colors, stones, marbles, woodgrains, leathers and patterns. See all patterns and colors at www.wilsonart.com. Please see actual sample before specifying.

Finishes – Confirm finish availability on individual designs by going to www.wilsonart.com

- #01 High Gloss - Premium
  A mirror sheen finish, which gives a smooth, brilliant appearance. #01-High Gloss finish also features AEON™™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and can be used for horizontal applications such as countertops and light-to-medium commercial applications. Excellent for vertical applications and carries a premium upcharge.
  Nominal Glossometer Reading = 110
- #07 Textured Gloss - Premium
  A fine textured finish with a sheen level indicative of a waxed wood, polished stone, or other moderately reflective materials. #07 finish features AEON™™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 42
- #12 SoftGrain - Premium
  A dense wood grain structure that is low gloss and soft to the touch. Subtle highlights of reflectivity randomly occur within the embossed grains, creating a sophisticated raw wood look. #12 finish features AEON™™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 8
- #16 Casual Rustic - Premium
  A woodgrain texture with a blend of grain variations ranging from linear to subtle movement with random, irregular features. The overall low gloss surface is accented with higher sheen woodgrain ticking and random highlights. #16 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 6
- #18 Linearity - Premium
  A directional texture running the length of the sheet, having a narrow, random and matte-gloss linear quality. It is complementary to linear wood-grains, and linear patterns (such as the “Satin” series), and provides dimension and visual movement to solid colors. #18 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 18
- #19 Leno Weave – Premium
  Random intersecting horizontal and vertical lines create a geometric weave with a matte-gloss finish. Recommended for horizontal and vertical applications. #19 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 15
- #21 Soft Silk – Premium
  A smooth, ultra-matte finish with a silky, soft touch. This minimalist finish gives the surface a genuine stone feel. Recommended for horizontal and vertical applications. #21 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge,
  Nominal Glossometer Reading = 8
- #22 Antique - Premium
  A mixture of varying low gloss features combined with organic movement, indicative of the surface of an aged stone or an antique metal. Recommended for horizontal and vertical

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applications. Antique features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
Nominal Glossometer Reading = 9

- #28 Gloss Line - Premium
  A linear woodgrain texture with varied widths of narrow grain structures in an alternating mix of matte and gloss surfaces areas. Recommended for horizontal and vertical applications. Gloss Line features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 5
- #35 Mirage-Ultra Premium
  Subtle variations in matte and gloss finish connect to nature's own finishes: rough and weathered, smooth and polished. Wilsonart HD premium pricing. Recommended for horizontal and vertical applications.
  Nominal Gloss Reading = 50
- #38 Fine Velvet Texture
  A smooth textured finish with moderate reflective value.
  Nominal Glossometer Reading = 14
- #52 Quarry - Premium
  Premium finish emulating the "pitted" look of polished natural stone. Recommended for horizontal and vertical applications. #52 features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 55
- #55 Glaze-Ultra Premium
  A layering of matte features over a semi-gloss glaze, creates this timeworn effect. Wilsonart HD premium pricing. Recommended for horizontal and vertical application.
  Nominal Gloss Reading = 25
- #57 Aligned Oak – HD Premium
  Authentic realism is brought to the surfaces using synchronized texture as each elegantly aged oak design exhibits the natural dimension and feel or real world. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 7
- #60 Matte
  Textured finish with a moderate reflective quality. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 10
- #78 FineGrain - Premium
  The FineGrain premium finish features the polish and luxe of a real wood veneer, with a subtle, narrow grain structure that runs the length of the sheet. #78 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium.
  Nominal Glossometer Reading = 38

NOTE: Nominal Glossometer readings are made at a 60° angle of incidence.

Finish Availability: Not all finishes are available in all patterns and colors. Some finish options have limited size availability. Please check with your Wilsonart representative or consult the pattern availability lookup on our website at www.wilsonart.com, to verify size availability by finish type.

Standard Sheet Widths

36"	48"	60"
914mm	1219mm	1524mm

Standard Sheet Lengths

96"	120"	144"
2438mm	3048mm	3658mm

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NOTE: Not all sizes are available from stock; contact your Wilsonart representative for details on local availability. Minimums apply to non-standard designs and finishes in sizes other than 48"x96" and 60"x144". Please check with your Wilsonart representative.

Thickness and Weight

Description	107	335	350
Thickness	0.045" ± 0.005" (1.14mm ± 0.13mm)	0.028" + 0.001 - 0.004" (0.71mm + 0.03 - 0.10mm)	0.036" ± 0.005" (0.91mm ± 0.13mm)
Weight per square foot	0.322#	0.186#	0.260#

3. Technical Data

Physical Properties of General Purpose Laminates

ISO 4586 Test	Typical Wilsonart Type 107	ISO 4586-3 HGS
Thickness	**0.045" ± 0.005" (1.14mm ± 0.13mm)**	N/A
Appearance	**N/A**	N/A
Light Resistance	**Slight effect**	Slight Effect
Cleanability (cycles)	**10**	10
Stain Resistance Reagents 1-10 Reagents 11-15	 **No effect** **Slight effect**	 No effect Moderate effect
Boiling Water Resistance	**Slight Effect (Gloss)** **No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
High Temperature Resistance	**Slight effect**	Slight Effect (Gloss) No Effect (Other Finishes)
Impact Resistance	**65" (1651mm)**	31.5" (800mm)
Radiant Heat Resistance	**210 seconds**	≥ 200 sec.
Dimensional Stability Machine Direction Cross Direction	 **0.3%** **0.7%**	 1.1% (max.) 1.4% (max.)
Surface Wear Resistance (cycles)	**Meets or Exceeds 400**	350 (min.)
Formability	**Not applicable**	Not applicable
Blistering	**Not applicable**	Not applicable

Physical Properties of Vertical Surface Laminates

ISO 4586 Test	Typical Wilsonart Type 335	ISO 4586-3 VGP
Thickness	**0.028" + 0.001 - 0.004" (0.7mm + 0.03 - 0.10mm)**	N/A
Appearance	**N/A**	N/A
Light Resistance	**Slight effect**	Slight effect
Cleanability (cycles)	**10**	20 (max.)
Stain Resistance Reagents 1-10 Reagents 11-15	 **No effect** **Slight effect**	 No effect Moderate effect

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Boiling Water Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
High Temperature Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
Impact Resistance	**40" (1016mm)**	23.5" (600mm)
Radiant Heat Resistance	**200 seconds**	≥ 200 sec.
Dimensional Stability Machine Direction Cross Direction	**0.5% 0.8%**	1.1% (max.) 1.4% (max.)
Surface Wear Resistance (cycles)	**Meets or Exceeds 400**	350 (min.)
Formability	**5/16" radius (7.93mm)**	7/16" radius (11mm) 9/16" radius(14.7mm)
Blistering	**45 seconds**	≥ 40 seconds

*Radius for face is actually the radius of the form around which the laminate is postformed. The radius for back is actually the radius to which the decorative face is postformed.

Physical Properties of Postforming Laminate

ISO 4586 Test	**Typical Wilsonart Type 350**	**ISO 4586-3 HGP**
Thickness	**0.036" ± 0.005" (0.91mm ± 0.13mm)**	0.039" ± 0.005" (1mm ± 0.12mm)
Appearance	**N/A**	N/A
Light Resistance	**Slight effect**	Slight effect
Cleanability **(cycles)**	**10**	20
Stain Resistance Reagents 1-10 Reagents 11-15	**No effect Slight effect**	No effect Moderate effect
Boiling Water Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
High Temperature Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
Impact Resistance	**55" (1397mm)**	31.5" (800mm)
Radiant Heat Resistance	**205 seconds**	≥ 200 sec.
Dimensional Stability Machine Direction Cross Direction	**0.5% 0.8%**	1.1% (max.) 1.4% (max.)
Surface Wear Resistance (cycles)	**Meets or Exceeds 400**	350 (min.)
Formability*	***5/16" face (7.93mm) *3/8" back (9.52mm)**	*9/16" face (14.27mm) *3/4" back (19.05mm)
Blistering	**65 seconds**	≥ 40 seconds

*Radius for face is actually the radius of the form around which the laminate is postformed. The radius for back is actually the radius to which the decorative face is postformed.

Typical Fire Test Data

High-pressure laminates are subject to Flame Spread and Smoke Developed standards in structures where codes establish such conditions.

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Test data to determine compliance with these codes are obtained by the Steiner Tunnel Test method of the American Society for Testing Materials (ASTM-E-84, Standard Test Method for Surface Burning Characteristics of Building Materials). Tests were conducted in accordance with test method and mounting procedure as described in paragraph X1.7.2 of the test method. This procedure is cataloged by Underwriters Laboratories, Inc. as UL 723.
Here is typical data for Wilsonart laminates, averaged from two specific tests:

Typical Flame Spread and Smoke Developed Properties

Product Type	Test Condition	Flame Spread	Smoke Developed
General Purpose Type 107	Unbonded	50	45
Vertical Surface Type 335	Unbonded	45	40
Postforming Type 350	Unbonded	60	35
General Purpose Type 107	Bonded with contact adhesive to particleboard substrate; 3/8"	40	100
Vertical Surface Type 335	Bonded with contact adhesive to particleboard substrate; 3/8"	40	155
Postforming Type 350	Bonded with contact adhesive to particleboard substrate; 3/8"	50	140

When you wish to specify decorative laminate for a Class I or A fire rating, please refer to the Fire-Rated Laminate Tech Data.

Model Code Designations used to determine flame spread classification

Flame Spread Classification (Max. Rating)	International (IBC)	Life Safety (NFPA 101)
25	A	A
75	B	B
200	C	C

RE: Architectural Woodwork Quality Standard, 8th Edition, Version 1.0, - 2003

All Model Codes regulate the generation of smoke by interior finish material. In all cases they specify a maximum smoke development rating of 450.

Codes and Certifications

General Standards
Wilsonart Laminates, types 107, 335 and 350, conform to the voluntary standards of the American National Standards Institute, for thickness, performance properties and appearance. Wilsonart Laminates 107,335 and 350 meet or exceed the International Standards Organization specifications as found in ISO 4586, titled "High-Pressure Decorative Laminate (HPDL) – Sheets Based on Thermosetting Resins – Part I: specifications."

Specific Product Standards
U.S. Federal Specification L-P 508H, April 9, 1977, "Plastic Sheets, Laminated, Decorative and Non-decorative." Spells out criteria for decorative laminates for federal installations. Wilsonart 107, 335 and 350 laminates comply.

NSF International (NSF) #35 "Laminated Plastic for Surfacing for Food Service Equipment." All solid colors and printed patterns in Basic Types 107, 335 and 350, comply.

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U.S. Federal Register, August 9, 1984, Housing and Urban Development Mobile Home Construction and Safety Standard, (24CFR) 3280.203. General Purpose Type 107 and Vertical Surface Type 335 comply.

U.S. Federal Test Method, Federal Aviation Regulation, DOT, Part 25.853, Airworthiness Standards: Transport Category Airplane (Interior Finish). Vertical Surface Type 335 and Postforming Type 350 comply with parts A and C.

U.S. Federal Motor Vehicle Safety Standard (FMVSS) 302, "Flammability of Interior Materials." Basic Types 107, 335 and 350 comply.

U.S. Military Standard MIL-P-17171E (SHIPS)/Plastic Laminate. General Purpose Type 107 complies.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Laminate
No effect was exhibited except as noted (* or **) on the following:

1. Clorox Healthcare Bleach Germicidal Cleaner *
2. Clorox Healthcare Versa Sure Cleaner Disinfectant Wipes
3. Oxivir TB
4. Oxivir 1
5. Virex II 256
6. Benefect
7. PDI Super Sani-Cloth Germicidal Disposable Wipes
8. PDI Sani-Prime Germicidal Spray
9. Expose II 256
10. Stride Floral Neutral Cleaner *
11. PURELL Advanced Instant Hand Sanitizer *

Test procedure: Listed materials were placed in contact with Wilsonart® Laminate surface under 1" (25.4mm) diameter watch cover glass for 16 hours duration prior to evaluation for effect. The branded cleaners and sanitizers listed above were cleaned with water only.

* *Causes slight change of gloss or color.*
** *Causes slight damage, with degree of damage proportionate to length of exposure and concentration.*

4. <u>Installation: Fabrication and Assembly Recommendations</u>

Fabrication should follow approved methods. Assembled pieces should meet the specifications of KCMA (Kitchen Cabinetmakers Manufacturers Association), ANSI A-161.2-1998 (revised), and "Architectural Woodwork Quality Standards, Guide Specifications and Quality Certification Program" guidelines of the Architectural Woodwork Institute where applicable.

Wilsonart laminates must be bonded to a substrate of reliable quality, such as particleboard, medium density fiberboard or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates. Basic Types laminate may not be used as structural members.

Bond with adhesives and follow the techniques recommended by the adhesive manufacturer. Recommended adhesives are permanent types, such as urea and polyvinyl acetate (PVA), and contact types. Wilsonart adhesives are recommended for most bonding conditions.

To avoid stress cracking, do not use square-cut inside corners. All inside corners should have a minimum of 1/8" (3.175mm) radius and all edges should be routed smooth.

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Drill oversized holes for screws or bolts. Screws or bolts should be slightly countersunk into the face side of a laminate-clad substrate.
Take care to ensure an appropriate acclimation between the laminate and the substrate prior to fabrication. The face and backing laminates and the substrate should be conditioned in the same environment for 48 hours before fabrication.
Recommended conditioning temperature is about 75°F (24°C). Laminates should be conditioned at 45% to 55% relative humidity.

With postforming machinery, Wilsonart 335 and 350 will postform at a nominal sheet temperature range of 325°F to 338°F (163°C to 170°C) in 20 ± 5 seconds.

Carbide-tipped saw and router blades should be used for cutting. High tool speed and low feed speed are advisable. Cutting blades should be kept sharp. Use a hold-down to prevent any vibration.

5. **Warranty**

6. **Maintenance**

7. **Technical Services**

For samples, literature, questions or technical assistance, please contact our toll-free Hotline at (800) 433-3222, Monday through Friday, 8 am – 5 pm, CST.

Specification Form:

Surface shall be Wilsonart® Laminate, produced by Wilsonart LLC, Temple, Texas 76503-6110

Type: Specify 107, 335 or 350

Surface
Color Number: _____ Color Name: _____

Finish
Number: _____ Name: _____

Edge Trim
Color Number: _____ Color Name: _____

Adhesive
Name: _____ Grade/Type: _____
Brand: Wilsonart® Adhesive

Wilsonart® Laminate Technical Data
Basic Types 107, 335, 350
Revised: September 12, 2019
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Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-001_LA-002-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Plastic Laminate
Item Type	Type 107 General Purpose (HGS) Laminate
Description	General purpose laminate product
Manufacturer	Wilsonart
Model	#7850-12
Dimensions	0.045" Plus Minus 0.005" Thickness, Standard Sheet Widths 36", 48", 60" x Standard Sheet Lengths 96", 120", 144"
Color	Beigewood
Finish	SoftGrain
Material Composition	Melamine impregnated deccorative surface papers combined with fire retardant phenolic treated kraft paper
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023 - Interior Architectural Woodwork
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Beigewood 7850-12
Warranty	1 Year
Notes	Recommended substrates for laminates are Particleboard, Medium Density Fiberboard (MDF) or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates.

SPECIAL INSTRUCTIONS

1. Run grain direction vertically unless noted otherwise.
2. PVC Edgebanding:
a. Exposed Ends: Grade VGS plastic laminate or minimum 0.030-inch thick PVC edge banding. Color to match exposed faces.
b. Semi-exposed Ends; Grade VGS plastic laminate or minimum 0.030-inch thick PVC edge banding. Color to match exposed faces.
3. Melamine at all vertical surfaces/HPL at all horizontal surfaces
4. Elevator Interior Cab: Materials shall comply with NEMA LD-3
a. Fire-Retardant Treated Particleboard Panels : Minimum ½-inch thick backup for plastic laminate veneered panels, provided with suitable anti-warp backing; to meet ASTM E84 Class “A” rating with flame-spread rating of 25 or less.

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-001_LA-002-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk
In-A-Pinch
Connection Center
Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Public Restrooms
Elevator Lobby
Administration
Lobby
Breakfast

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-001_LA-006-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Plastic Laminate
Item Type	Thermally Fused Laminate (TFL)
Description	Thermally Fused Melamine
Manufacturer	Wilsonart
Model	N/A
Dimensions	Standard panels are 49 and 61 inches. Standard panel lenth is 97 inches.
Color	Gray 1500-60
Finish	Matte
Material Composition	Laminate Composition: Melamine saturated decorative layers thermally fused to both core face surfaces with heat and pressure. Stain resistant surface with wear and scratch resistance.
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023 - Interior Architectural Woodwork
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Thermally Fused Laminate/1500-60 Gray
Warranty	1 Year
Notes	Panel Core Material: Composite panel product composed primarily of cellulosic materials and a bonding system, resulting in a durable and dimensionally stable substrate suitable for decorative laminate overlays. Panel core material can be particleboard or medium density fiberboard.

SPECIAL INSTRUCTIONS

All substrates should be sanded smooth, and should be clean and free of oil or grease, and uniform in thickness.

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

AREAS

Welcome Desk
Hub
On Us
Buffet
Flex

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

ALTERNATE MANUFACTURER 3	Fitness Center Employee Areas Elevator Lobby Administration Lobby
ALTERNATE MANUFACTURER 4	

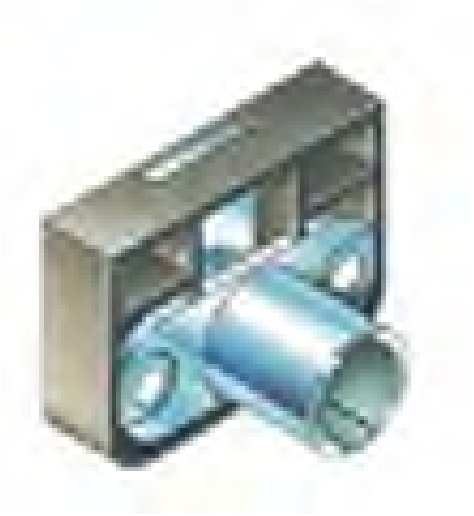
Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-001_MH-001-CX

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Drawer Locks
Item Type	Locks
Description	Cabinet Lock for Drawers
Manufacturer	CompX-Timberline
Model	280 Series
Finish	Satin Nickel
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Screw/Nail	As recommended by Manufacturer
Finish	US15
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.
Notes	Use C700LP-15 Plugs https://tinyurl.com/2s3jxrad



SPECIAL INSTRUCTIONS

All locks in the same component to be on the same key, unless noted otherwise. Other millwork items on the hotel property with locks shall be keyed separately. Ensure master key is different at each hotel in the system.

MANUFACTURER

Vendor Name: CompX-Timberline
Contact Name:
Phone: 847.752.2600
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk

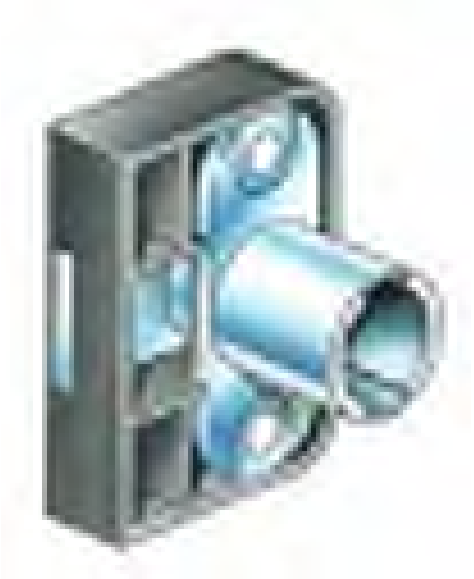
Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-001_MH-002-CX

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Door Locks
Item Type	Locks
Description	Cabinet Lock for Doors
Manufacturer	CompX-Timberline
Model	290 Series
Finish	Satin Nickel
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Screw/Nail	As recommended by Manufacturer
Finish	US15
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.
Notes	Use C700LP-15 Plugs https://tinyurl.com/2s3jxrad



SPECIAL INSTRUCTIONS

All locks in the same component to be on the same key, unless noted otherwise. Other millwork items on the hotel property with locks shall be keyed separately. Ensure master key is different at each hotel in the system.

MANUFACTURER

Vendor Name: CompX-Timberline
Contact Name:
Phone: 847.752.2600
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk
Hub
On Us
Buffet
Elevator Lobby
Administration

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-001_MH-004-ACU

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Drawer Slides
Item Type	Drawer Slides
Description	Drawer Slides at Box & File Drawers
Manufacturer	Accuride
Model	3832E
Finish	Bright electro-zinc (C)
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Screw/Nail	As recommended by Manufacturer
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.
Notes	https://tinyurl.com/5239b85s

SPECIAL INSTRUCTIONS

At drawer slides for large drawers, verify potential loading and adjust slide type to accommodate loads. For drawers over 16" and less than 24" wide use Accuride 7432. For wider applications use Accuride 3640.

MANUFACTURER

Vendor Name: Accuride International
Contact Name:
Phone: 562.903.0200
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk
Connection Center

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-001_MH-006-KV

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Standards & Clips
Item Type	Standards & Clips
Description	Mortise Mount Steel Standard & Steel Clip
Manufacturer	KV
Model	255/256
Dimensions	Standards: 5/16" W x 3/16" D
Finish	US26D Satin Chrome
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Assembly Description	ML-011
Screw/Nail	As recommended by Manufacturer
Finish	US26D Satin Chrome
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.

SPECIAL INSTRUCTIONS

MANUFACTURER	AREAS
Vendor Name: KV Contact Name: Customer Service Phone: 1(800)-253-1561 Email: customer.service@kv.com	Welcome Desk
ALTERNATE MANUFACTURER 2	
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-001_MH-007-IV

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Catch
Item Type	Ball Catch
Description	Elbow Cabinet Catch
Manufacturer	Ives
Model	2
Dimensions	1-3/8" High x 5/8" Wide
Finish	A15 Satin Nickel (Base Aluminum)
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Assembly Description	ML-005, ML-009
Screw/Nail	As recommended by Manufacturer
Finish	A15 Satin Nickel (Base Aluminum)
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.
Notes	https://www.iveshinges.com/catalogcuts/ives-2.pdf

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Ives Hinges
Contact Name: Customer Service
Phone: (877) 860-0174
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk

2 Elbow Catch

- Ideal for use on the inactive leaf of a pair of cabinet doors
- Surface applied, making installation simple
- Made from cast aluminum

Certifications

- Meets ANSI/BHMA A156.9 B33023

Dimensions

- Plate: 1-3/8" high x 5/8" wide
- Strike: 13/16" high x 5/8" wide

Finishes - Aluminum

Ives Number	A3	A5	A14	A15	A92	A716
BHMA	666		669	670	673	

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-001_MH-008-KV

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Standards & Clips
Item Type	Standards & Clips
Description	Mortise Mount Steel Standard & Steel Clip
Manufacturer	KV
Model	255/256
Dimensions	Standards: 5/16" W x 3/16" D
Finish	Anochrome
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Assembly Description	ML-005, ML-009
Screw/Nail	As recommended by Manufacturer
Finish	Anochrome
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.
Notes	https://www.knapeandvogt.com/sites/default/files/OL2251-233-255-Specs-WEB.pdf

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: KV
Contact Name: Customer Service
Phone: 1(800)-253-1561
Email: customer.service@kv.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk

Heavy-Duty
BHMA Grade 1 Compliant
Adjustable in 1/2" increments

233™/255™ Pilaster Standards and Supports

Applications For use on walls, in closets, between studs, within window frames and in bookcases, entertainment centers, kitchen cabinets and medicine cabinets. Color coordinated shelf clips add a finished look to custom projects.

Load Rating Varies per size*, BHMA grade 1 compliant

Mounting Wall

Material Steel or aluminum

Finishes Almond (ALM), Brass-look (BR), Brown (BRN), White (WH), Zinc (ZC), Economy Zinc (E): Attractive, long-lasting, corrosion resistant finishes

Features Clips are adjustable on 1/2" centers and provide stable support for a variety of shelf options, including wood, plywood, particle board, glass, wire or metal. Pilaster nail holes are pre-drilled. A variety of shelf support accessories are available.

KV's built-in shelving hardware creates a custom look, while also providing sturdy, discreet support and outstanding versatility. Available in surface- or mortise-mount styles.

233 Series Surface-Mount Pilaster Standards

- For surface-mounted applications
- Dimensions: 13/16" wide x 3/16" deep x selected length
- 23-gauge high strength steel
- Vertically adjustable in 1/2" increments
- Stamped numbers make installation easier
- Pre-drilled screw/nail holes
- Pre-punched staple holes
- Made in the USA
- Available from open stock

255 Series Mortise-Mount Pilaster Standards

- For surface- or flush-mounted applications
- Dimensions: 5/8" wide x 3/16" deep x selected length
- Aluminum standards: 17-gauge aluminum
- Galvanized steel (E) standards: 20-gauge galvanized steel
- Steel standards: 23-gauge high strength steel
- Vertically adjustable in 1/2" increments
- Stamped numbers make installation easier
- Pre-drilled screw/nail holes
- Pre-punched staple holes
- Made in the USA
- Available from open stock

*Contact KV Customer Service for more information.

233™/255™ Pilaster Standards and Supports

233 Series Steel Pilaster Standards (surface-mount)

Brass-look (BR)

Zinc (ZC)

Steel (23-gauge)

Standard Pack (12"-60" packed 100 pieces; 72"-96" packed 50 pieces. Not packed with nails.)			
Size	**Brass-look (BR)**	**Zinc (ZC)**	**Steel (STL)**
12"	233 BR 12	233 ZC 12	233 STL 12
18"	–	233 ZC 18	–
24"	–	233 ZC 24	233 STL 24
30"	–	233 ZC 30	–
36"	233 BR 36	233 ZC 36	233 STL 36
42"	–	233 ZC 42	–
48"	233 BR 48	233 ZC 48	233 STL 48
60"	233 BR 60	233 ZC 60	233 STL 60
72"	233 BR 72	233 ZC 72	233 STL 72
84"	–	233 ZC 84	233 STL 84
96"	233 BR 96	233 ZC 96	233 STL 96

Nails & Supports

Nails (For use with 233 and 255 standards.)					
Standard Pack (Approx. 650 nails/bag. 5 bags/carton)					
Finish:	**Almond (ALM)**	**Brass-look (BR)**	**Bronzed (STB)***	**White (WH)**	**Zinc (ZC)**
Part #:	255-81N ALM	255-81N BR	255-81N STB	255-81N WH	255-81N ZC
Use with:	255 ALM	255 BR, 233 BR, 255AL BR	255 BRN, 255AL WAL	255 WH	255 ZC, 233 ZC, 255 E, 255AL

*For use with Brown (BRN) or Walnut (WAL) standards.

256
Patented

255-81N

256 Steel Shelving Supports (For use with 255 standards.)				
Almond (ALM)	**Brass-look (BR)**	**Walnut (WAL)****	**White (WH)**	**Zinc (ZC)**
Standard Pack (100 pieces/pack)				
256S ALM	256 BR	256 WAL	256S WH	256 ZC, 256R ZC***
Bulk Pack (B) (1000 pieces/pack)				
–	256B BR	256B WAL	–	256B ZC
Barrel Pack (BBL) (9000 pieces/fiber barrel)				
–	256BBL BR	256BBL WAL	–	256BBL ZC
Poly Pack (P) (12 supports + 28 nails/bag. 10 bags/carton.)				
256S P ALM	256P BR	256P WAL	256S P WH	256P ZC
Warehouse Pack (WP) (12 supports + 28 nails/bag. 50 bags/carton.)				
–	–	–	256S WP WH	256WP ZC

**For use with 255 BRN standards. ***256R includes a rubber cushion.

237

256R

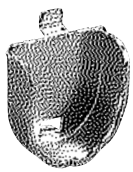
239

238

Miscellaneous Supports		
	Anochrome (ANO)	**Zinc (ZC)**
Description	**Standard Pack** (100 pieces/carton)	
Shelf Support (Use with 233 standards only.)	–	237 ZC
Shelf Support with Locator Tab (Use with 233 standards only.)	238 ANO	–
Shelf Support	–	239 ZC
Shelf Support for Wire Shelves (Use with 233 standards only.)	242 ANO	–
3" Shelf Bracket (Non-handed.)	–	243 ZC
Shelf Support for Wire Shelves	244 ANO	–
Shelf Support with Screw Holes		24276 ZC
Flange for 1-1/16" OD Closet Rod	757 ANO	–

244

242


757

243

256 Aluminum Shelving Supports (For use with 255 standards.)
Natural Aluminum (AL NAT)
Standard Pack (100 pieces/pack)
256 AL NAT

229 Support Bracket	
Standard Pack (25/box)	
Size	**Anochrome (ANO)**
4"	229 ANO 4
6"	229 ANO 6
8"	229 ANO 8
10"	229 ANO 10

229

Non-stock item – minimum order quantities and additional lead time may apply.

NOTE: Slight variations in color/finish may occur when using different product materials, such as steel and aluminumn shown here.

233™/255™ Pilaster Standards and Supports

255 Series Steel Pilaster Standards (surface or flush mount)

Standard Pack (12"-60" packed 100 pieces; 72"-96" packed 50 pieces. Not packed with nails.)						
Size	**Almond (ALM)**	**Brass-look (BR)**	**Brown (BRN)**	**Economy Zinc (E)**	**White (WH)**	**Zinc (ZC)**
12"	255 ALM 12	255 BR 12	255 BRN 12	255 E 12	255 WH 12	255 ZC 12
18"	255 ALM 18	255 BR 18	255 BRN 18	–	255 WH 18	255 ZC 18
24"	255 ALM 24	255 BR 24	255 BRN 24	255 E 24	255 WH 24	255 ZC 24
30"	255 ALM 30	–	255 BRN 30	–	255 WH 30	255 ZC 30
36"	255 ALM 36	255 BR 36	255 BRN 36	255 E 36	255 WH 36	255 ZC 36
42"	–	–	–	–	–	255 ZC 42
48"	255 ALM 48	255 BR 48	255 BRN 48	255 E 48	255 WH 48	255 ZC 48
60"	255 ALM 60	255 BR 60	255 BRN 60	255 E 60	255 WH 60	255 ZC 60
72"	255 ALM 72	255 BR 72	255 BRN 72	255 E 72	255 WH 72	255 ZC 72
84"	255 ALM 84	255 BR 84	255 BRN 84	255 E 84	255 WH 84	255 ZC 84
96"	255 ALM 96	255 BR 96	255 BRN 96	255 E 96	255 WH 96	255 ZC 96

Almond (ALM)
(steel shown)

Brass-look (BR)
(steel shown)

Brown (BRN)
(steel shown)

White (WH)
(steel shown)

Zinc (ZC)
(steel shown)

Economy Zinc (E)
(steel shown)

255 Series Aluminum Pilaster Standards

Standard Pack (12"-60" packed 100 pieces; 72"-96" packed 50 pieces. Not packed with nails.)				
Size	**Natural Aluminum (AL)**	**Brass-look (BR)**	**Brown BRN)**	**Walnut (WAL)**
12"	255AL 12	255AL BR 12	255AL BRN 12	255AL WAL 12
18"	255AL 18	255AL BR 18	–	255AL WAL 18
24"	255AL 24	255AL BR 24	255AL BRN 24	255AL WAL 24
30"	255AL 30	255AL BR 30	–	255AL WAL 30
36"	255AL 36	255AL BR 36	255AL BRN 36	255AL WAL 36
42"	255AL 42			
48"	255AL 48	255AL BR 48	255AL BRN 48	255AL WAL 48
60"	255AL 60	255AL BR 60	255AL BRN 60	255AL WAL 60
72"	255AL 72	255AL BR 72	255AL BRN 72	255AL WAL 72
84"	255AL 84	255AL BR 84	255AL BRN 84	255AL WAL 84
96"	255AL 96	255AL BR 96	255AL BRN 96	255AL WAL 96

Natural Aluminum (AL)
(aluminum shown)

Brass-look (BR)
(aluminum shown)

Brown (BRN)
(aluminum shown)

Walnut (WAL)
(aluminum shown)

NOTE: Slight variations in color/finish may occur when using different product materials, such as steel and aluminumn shown here.

233™/255™ Pilaster Standards and Supports

233
Pilaster Standard

255
Pilaster Standard

1. Product Name

233 and 255 Pilaster Standards. For built-in shelving and bookcase applications.

2. Manufacturer

Knape & Vogt® Manufacturing Company
2700 Oak Industrial Dr. NE, Grand Rapids, MI USA 49505-6026
616.459.3311 | www.kv.com

3. Product Description

Basic Use: 233 and 255 Pilaster Standards are designed for built-in shelving on walls, in closets, between studs and within window frames and bookcase applications.

233 and 255 Pilaster Standards are available in steel or aluminum. They mount to most wall types and in wood bookcases and cabinets. They accommodate KV steel or aluminum supports, and are available in various styles/confi gurations. 233 and 255 Pilaster Standards are adjustable on 1/2" centers.

Composition and Materials:

233 Steel Standards: 23-gauge high strength steel.
255 Steel Standards: 23-gauge high strength steel.
255 Galvanized Steel (E) Standards: 20-gauge galvanized steel.
255 Aluminum Standards: 17-gauge aluminum.

Sizes:

233 Steel Standards: 13/16" wide x 3/16" deep x selected length.
Lengths: 12", 18", 24", 30", 36", 42", 48", 60", 72", 84", and 96".
255 Steel Standards: 5/8" wide x 3/16" deep x selected length.
Lengths: 12", 18", 24", 30", 36", 42", 48", 60", 72", 84", and 96".
255 Aluminum Standards: 5/8" wide x 3/16" deep x selected length.
Lengths: 12", 18", 24", 30", 36", 42", 48", 60", 72", 84", and 96".

Finishes:

233 Steel Standards: Brass-look (electro-plated cold rolled steel), and Zinc (zinc-plated cold rolled steel).

255 Steel Standards: Almond, Brown or White (powder-coated cold rolled steel); Brass-look and zinc (zinc-plated cold rolled steel), and Economy Zinc (galvanized steel).

255 Aluminum Standards: Aluminum; electro-plated aluminum), and Brown or Walnut (powder-coated aluminum).

4. Technical Data

Applicable Standards: The KV 255 Steel Standard, when used with specific KV steel shelf rests, has been tested and meets the ANSI/BHMA (A156.9-2003) cabinet hardware standard for shelf rests and standards. However, representative testing in a fully configured application is the only way to assure proper performance, durability, and safety.

The aforementioned shelf support load limit is intended as a guide only and not as a warranty. Actual load bearing capabilities depend upon the type of cabinet/wall material and use of appropriate shelf standard mounting fasteners, installation technique, shelf standard spacing, shelf size and construction.

Environmental Considerations:

Environment: Excessive humidity, salts, or other chemical agents can corrode the finish and attack metal or plastic components.

Fastening: Inadequate or incorrect fasteners can result in the standards pulling loose and causing damage.

Alignment: Improper standard and clip alignment can result in a system that is ineffective and unsafe.

5. Installation

233 Pilaster Standards can be installed on the surface. The 233 Pilaster Standard can be mounted with nails, staples, or screws.

255 Pilaster Standards can be installed on the surface, or made flush with the wall or cabinet by making a dado cut. The 255 Pilaster Standard can be mounted with nails, staples, or screws.

Surface mounting: Mark the installation location. Position the standards so that numbers are right-side up. Nail the top hole of the standards into the desired position at equal heights. Check horizontal and vertical alignment with a level. Finish nailing.

For wallboard, plywood paneling, masonry and other non-wood surfaces, use a #3 flat head screw and appropriate hollow wall anchor to properly secure the standard. Note: Proper nails are supplied for 255 Standards; screws and anchors are not.

Flush mounting: Mark the installation location and width of each standard, and rout each dad cut to the desired depth. Position the standards so that numbers are right-side up. Nail the top hole of the standards into the desired position at equal heights. Check horizontal alignment with a level. Finish nailing.

6. Availability and Cost

Availability: Knape & Vogt (KV) products are available from stocking distributors and through KV Representatives worldwide.

Cost: Current pricing is available from area KV Representatives. Please call for the nearest representative at: 800.253.1561.

7. Warranty

Limited Lifetime Warranty: Knape & Vogt offers its standard Limited Lifetime Warranty to the initial purchaser of commercial products. This warranty covers defects in materials and workmanship which occur during normal use, and the remedy is limited to repair or replacement of defective products, at KV's option. Certain types of defects and damage are excluded from warranty coverage, costs and expenses are not covered, and additional restrictions apply. A copy of the Limited Lifetime Warranty, with all warranty details, limitations and disclaimers, is available on the Customer Care Connection location at www.kv.com or from KV Customer Service, 2700 Oak Industrial Drive, Grand Rapids, MI 49505, (800) 253-1561.

8. Maintenance

233 and 255 Pilaster Standards require no maintenance. Inspect for proper fit periodically and adjust when necessary. Replace as required or recommended by application.

9. Technical Services

Knape & Vogt and area representatives can assist with any application. For further information, or for the name of the representative nearest you, please call Knape & Vogt Customer Service: 800.253.1561 or visit our website at: www.kv.com.

10. Filing Systems

Additional product information, data sheets, application sheets, and a full catalog are available upon request from Knape & Vogt.

KNAPE & VOGT
2700 Oak Industrial Dr. NE
Grand Rapids, MI 49505-6026 USA
1.800.253.1561 | 616.459.3311
Fax: 877.636.3290
www.kv.com

BHMA Knape & Vogt shelving products follow the ANSI testing standards established by BHMA.

This and other KV literature is available for download at www.kv.com > Resource Library
Knape & Vogt reserves the right to change product specifications at any time without notice and without incurring responsibility for existing units. This information conforms to editorial style prescribed by The Construction Specifications Institute.
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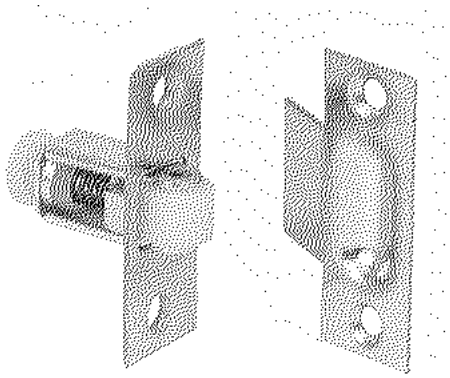
Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-001_MH-014-IV

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:



Item Name	Millwork Hardware
Item Type	Roller Catch
Description	Roller catch with standard box type strike and adjustable tension
Manufacturer	Ives
Model	336
Dimensions	Face plate: 7/8" wide x 2-7/4" high; Bore: 73/ 76" diameter x 1-3/4" deep; Strike: 7/8" wide x 2-7/4" high, lip to center- 1-7/8"
Color	NA
Finish	619 Satin Nickel
Material Composition	Wrought brass
CSI #	12 32 16 - Manufactured Plastic Laminate Clad Casework
Omniclass #	22-12 32 16 - Manufactured Plastic Laminate Clad Casework
Quality Standards	ANSI/BHMA Al56.l6

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Ives Hinges
Contact Name: Customer Service
Phone: (877) 860-0174
Email:

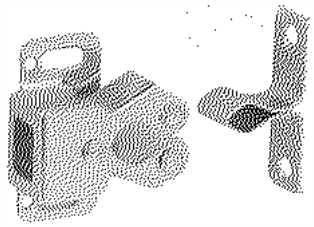
ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk



330 Roller catch

- Most economical solution recommended for low frequency opening applications
- Independent rollers allow positive action and self-alignment
- Cushioned rollers absorb shock and noise, hold door away from cabinet
- Application allows for easy adjustment
- Packed with screws and brads

Certifications
- Meets ANSI/BHMA A156.9, B83071

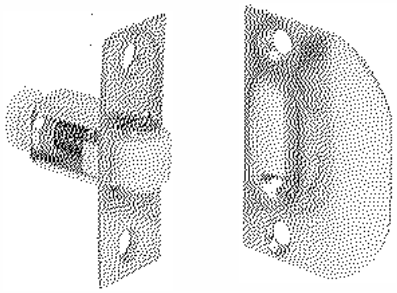
Dimensions
- Case: 1-1/4" high x 11/16" wide
- Strike: 1-1/4" high x 3/8" wide

Material substrate
- Made from wrought steel

Finishes

BHMA	Description	Substrate	Finish
604	Clear zinc	Steel	F2C

For other colors, consult factory.



335 Roller catch

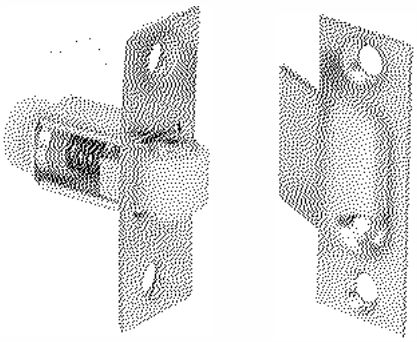
- Recommended for higher frequency opening applications
- Smooth, positive latching action insured by powerful conical spring
- Durable nylon roller insures quiet operation
- Adjustable tension. Adjustments can be varied from 4 to 17 lbs. of holding power making possible a wide range of door performance
- Easily installed on thin doors
- Full lip style strike designed for simplified mortising
- Packed with sheet metal screws

Certifications
- Meets ANSI/BHMA A156.16, L27081 for brass and L87081 for steel

Dimensions
- Face plate: 7/8" wide x 2-1/4" high
- Bore: 1-3/4" deep x 13/16" diameter
- Strike: 1-5/8" wide x 2-1/4" high, lip to center- 1-3/16"

Material substrate
- Made from wrought brass

See finishes below



336 Roller catch

- Recommended for higher frequency opening applications
- Smooth, positive latching action insured by powerful conical spring
- Durable nylon roller insures quiet operation
- Adjustable tension. Adjustments can be varied from 4 to 17 lbs of holding power making possible a wide range of door performance
- Easily installed on thin doors
- Standard box type strike designed for neat appearance
- Packed with sheet metal screws

Certifications
- Meets ANSI/BHMA A156.16, L27081 for brass and L87081 for steel

Dimensions
- Face plate: 7/8" wide x 2-1/4" high
- Bore: 13/16" diameter x 1-3/4" deep
- Strike: 7/8" wide x 2-1/4" high, lip to center- 1-1/8"

Material substrate
- Made from wrought brass

See finishes below

335 and 336 Finishes

BHMA	Description	Substrate	Finish
605	Bright brass	Brass	B3
606	Satin brass	Brass	B4
609	Blackened brass	Brass	B5
612	Satin bronze	Brass	B10
613	Oil rubbed bronze	Brass	B10B
619	Satin nickel	Brass	B15
625	Bright chrome	Brass	B26
626	Satin chrome	Brass	B26D
643e/716	Aged bronze	Brass	643e/716
622	Matte black	Brass	BLK

For other colors, consult factory.

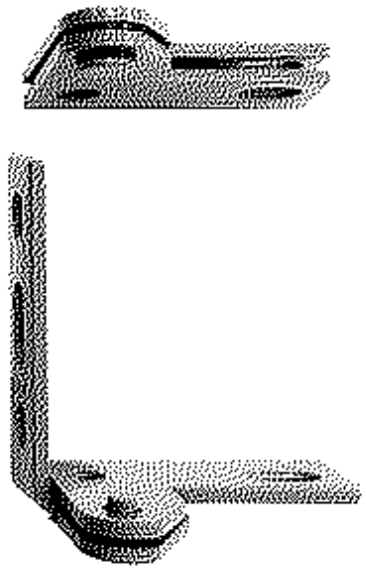
Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-001_MH-015-STA

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Millwork Hardware
Item Type	Hinge, Pivot
Description	Standard Duty Pivot Hinge for flush or recessed doors
Manufacturer	Stanley
Model	341
Dimensions	Refer to Product Data Sheet
Finish	Plated
Material Composition	.131" Steel
CSI #	12 32 16 - Manufactured Plastic Laminate Clad Casework
Omniclass #	22-12 32 16 - Manufactured Plastic Laminate Clad Casework
Quality Standards	ANSI A8773
Accessories	7 -12 X 1 2 -12 X 11/4 Flat Head Wood Screws per set



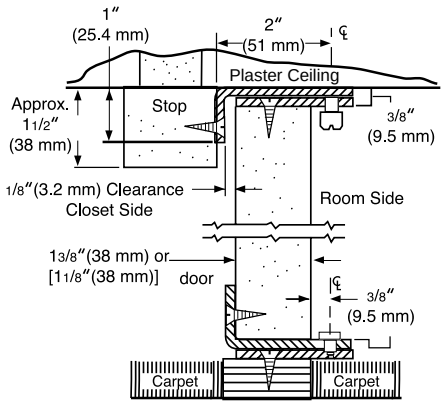
SPECIAL INSTRUCTIONS

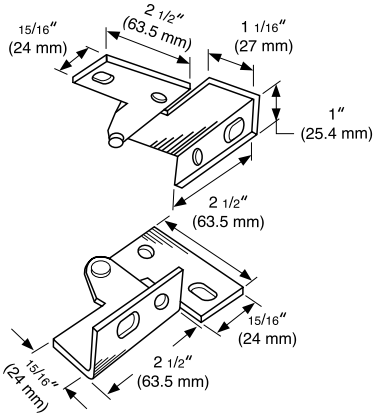
MANUFACTURER	AREAS
Vendor Name: Stanley Hardware Contact Name: Phone: Email:	Welcome Desk
ALTERNATE MANUFACTURER 2	
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

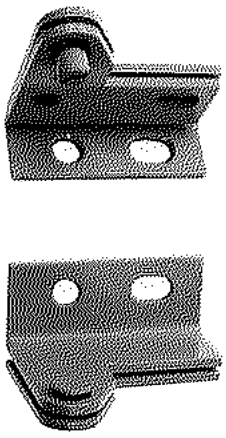
Wardrobe Pivots

340 – (ANSI A8753) – Standary duty – steel – plated or prime coated finishes

- For flush, recessed or overlay doors 1 1/8" (28.6 mm) to 1 3/8" (35 mm) thick not exceeding 75 lbs. (34 Kg)
- Only pivot of its type suitable for floor-to-celing doors
- Clean appearance, only hinge pivot shows when door is closed
- Door can be opened 180º
- Elongated screw holes make alignment simple
- Separable leaves of the top assembly permit fast installation
- Bushing at the pivot point assure smooth, silent operation







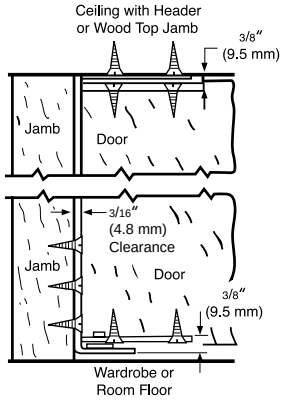
Right hand illustated

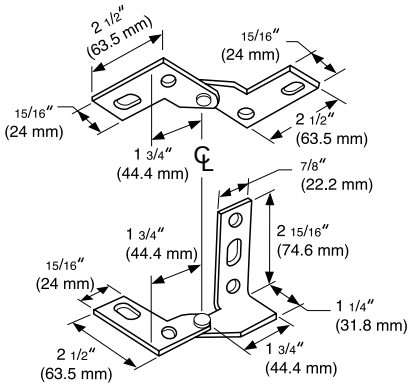
Catalog Number	Gauge Inches	(mm)	Flat Head Wood Screws/ Per Set	Sets Per Box*	Sets Per Case	Case Weight Lbs.	(Kg)
340	.131	(3.3)	8 -12 x 3/4	1	20	17	(8)

*Set consists of one top hinge and one bottom hinge
Handed. Specify right hand or left hand

341 – (ANSI A8773) – Standary duty – steel – plated or prime coated finishes

- For flush, or recessed doors 1 1/8" (28.6 mm) to 1 3/8" (35 mm) thick not exceeding 75 lbs. (34 Kg)
- Top header and bottom side frame mounted
- Suitable for floor-to-celing doors
- Door can be opened 180º
- Elongated screw holes for easy alignment
- Separable leaves of the bottom assembly for quick, easy installation
- Bushing at the pivot point assure smooth, silent operation
- Edge mortise door leaves – standard practice





Right hand illustated

Catalog Number	Gauge Inches	(mm)	Flat Head Wood Screws/ Per Set	Sets Per Box*	Sets Per Case	Case Weight Lbs.	(Kg)
341	.131	(3.3)	7 -12 x 1 2 -12 x 1 1/4	1	20	14	(6.3)

*Set consists of one top hinge and one bottom hinge
Handed. Specify right hand or left hand

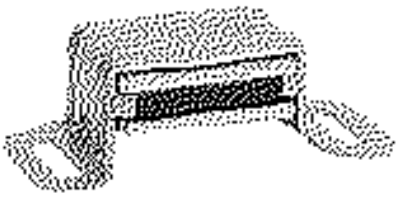
Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-001_MH-016-IV

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Millwork Hardware
Item Type	Magnetic Catch
Description	Magnetic Catch surface or mortised mounted
Manufacturer	Ives
Model	325 double pole (surface mount only), 326 dual double pole, 327 dual triple pull
Dimensions	Refer to product data sheet
Color	NA
Finish	673 Aluminum Clear Coat
Material Composition	Aluminum
CSI #	12 32 16 - Manufactured Plastic Laminate Clad Casework
Omniclass #	22-12 32 16 - Manufactured Plastic Laminate Clad Casework
Quality Standards	ANSI/BHMA A156.9



Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-001_MH-016-IV

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

SPECIAL INSTRUCTIONS

MANUFACTURER	AREAS
Vendor Name: Ives Hinges Contact Name: Customer Service Phone: (877) 860-0174 Email:	Welcome Desk Flex
ALTERNATE MANUFACTURER 2	
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-001_MH-017-JG

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Cabinet Pulls
Item Type	Door & Drawer Edge Pull
Description	Edge Pull
Manufacturer	J.G. Edelen Company, Inc
Model	Liberty Hardware P31675-SN-C Modern Edge Collection
Dimensions	7"L x 1-5/8"W x 1"H
Finish	Satin Nickel
Material Composition	Zinc Die Cast, solid sheet aluminum construction
CSI #	12 32 16 - Manufactured Plastic Laminate Clad Casework
Omniclass #	22-12 32 16 - Manufactured Plastic Laminate Clad Casework
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

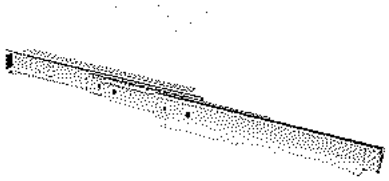
Welcome Desk
Connection Center
Hub
Buffet
Flex
Elevator Lobby

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-001_MH-019-ACU

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:



Item Name	Millwork Hardware
Item Type	Shelf Slides
Description	Undermount Shelf Slide Non-Disconnect Over Travel
Manufacturer	Accuride
Model	301-2590
Finish	Bright electro-zinc (C)
CSI #	12 32 16 - Manufactured Plastic Laminate Clad Casework
Omniclass #	22-12 32 16 - Manufactured Plastic Laminate Clad Casework
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Accessories	#8 pan head or round head screws
Part of an Assembly	Y
Screw/Nail	As recommended by Manufacturer
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.

SPECIAL INSTRUCTIONS

At shelf slides for large drawers, verify potential loading and adjust slide type to accommodate loads.

MANUFACTURER

Vendor Name: Accuride International
Contact Name:
Phone: 562.903.0200
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk
Connection Center
Flex
Fitness Center

Accuride®

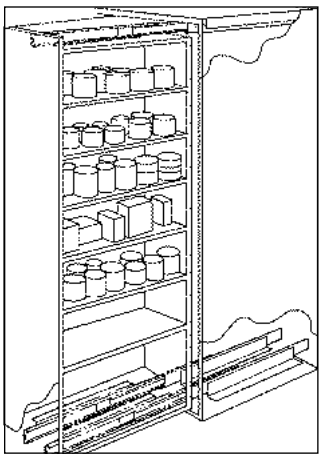
MODEL 301-2590

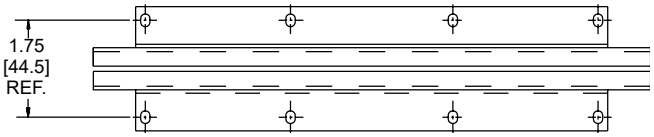
Undermount Shelf Slide
Non-Disconnect
Over Travel

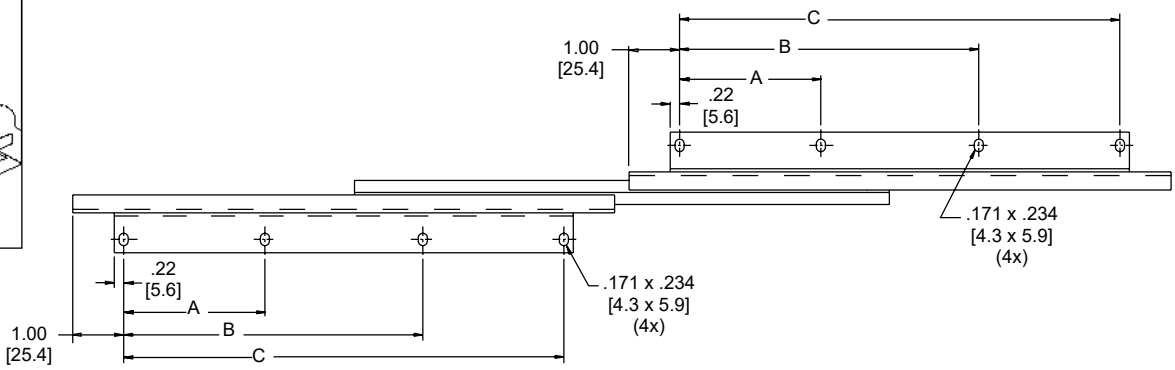
Applications: Pull-out storage shelves, kitchen pull-out pantries, and entertainment centers. Battery trays, storage bins, and generators.

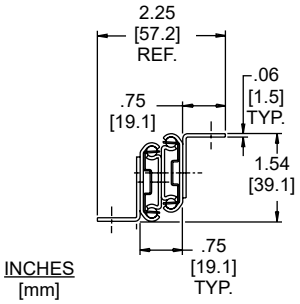
301-2590
QUICK REFERENCE

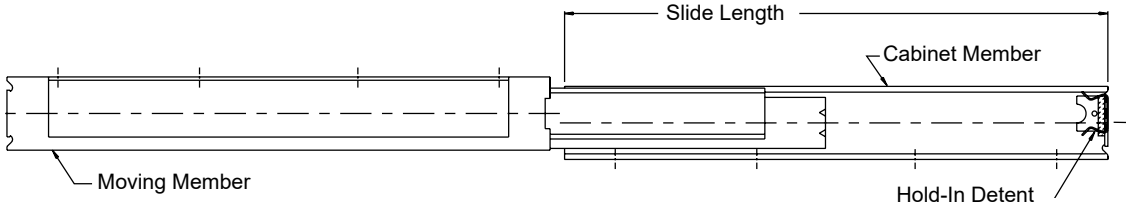
Side Space: .75" [19.1 mm] slide only
2.25" [57.2 mm] with brackets
Length: 12"–28" [305 mm–711 mm]
Overall slide dimensions: .50" x 1.62"
Load rating: Up to 155 lb. [70 kg.]*











Finish	Bright electro-zinc (C) or black zinc (CB) plating
Length	12"–28" [305 mm–711 mm]
Height	1.54" [39.1 mm]
Side Space	.75" [19.1 mm] slide only 2.25" [57.2 mm] with brackets
Load	Up to 155 lbs [70 kg]* Capacity
Travel	Slide length plus .83" [21.1 mm]
Mounting	Bracket/undermount
Hardware	#8 pan head or round head screws
Features	Hold-in detent, silenced open and closed, slide is handed

* Load rating based on a 16" wide shelf cycled 50,000 times.

Part Number	Slide Length	Slide Travel	Load Rating lb. [kg] per pair*	A	B	C
301-2590-12	12.00 [305]	12.83 [325.9]	155 [70]	4.00 [101.6]	6.00 [152.4]	10.00 [254.0]
301-2590-14	14.00 [356]	14.83 [376.7]	148 [67]	4.00 [101.6]	8.00 [203.2]	12.00 [304.8]
301-2590-16	16.00 [406]	16.83 [427.5]	140 [64]	4.00 [101.6]	10.00 [254.0]	14.00 [355.6]
301-2590-18	18.00 [457]	18.83 [478.3]	130 [59]	4.00 [101.6]	12.00 [304.8]	16.00 [406.4]
301-2590-20	20.00 [508]	20.83 [529.1]	122 [55]	7.00 [177.8]	11.00 [279.4]	18.00 [457.2]
301-2590-22	22.00 [559]	22.83 [579.9]	113 [51]	7.00 [177.8]	13.00 [330.2]	20.00 [508.0]
301-2590-24	24.00 [610]	24.83 [630.7]	104 [47]	7.00 [177.8]	15.00 [381.0]	22.00 [558.8]
301-2590-26	26.00 [660]	26.83 [681.5]	95 [43]	7.00 [177.8]	17.00 [431.8]	24.00 [609.6]
301-2590-28	28.00 [711]	28.83 [732.3]	85 [39]	7.00 [177.8]	19.00 [482.6]	26.00 [660.4]

1. Mark a line at least 1/4" [6.4 mm] in from the right side of the cabinet opening and parallel to the cabinet side.
2. Locate a point on this line 1.00" [25.4 mm] back from the desired front of the slide.
3. Using #8 pan or round head screws, mount the cabinet member bracket through the first hole at this point.

   NOTE: For maximum strength, ensure that the hold-in detent spring is installed inside the cabinet.
4. Mount the left hand slide similarly, locating the screw centerline of the cabinet member bracket at least 1/4" [6.4 mm] in from the left side of the opening.
5. Keeping the right and left hand slides parallel, install the remainder of the cabinet member screws.

   NOTE: When using soft materials such as particle board, replace rear cabinet mounting screws with through bolts.
6. With slides extended, center the shelf and drive the screws up through the moving member brackets into the bottom of the shelf.

   NOTE: If the unit is mounted too close to the floor reverse the procedure above and install the moving member screws first.

Slide Ordering Instructions

Complete your slide order for Accuride model 301-2590 by specifying the following:

20 Pair	C	301-2590	-16	D
Total Required Slides				
	Slide Finish			
		Slide Model Number		
			Slide Length	
				Optional Polybag Packaging

Packaging

Distributor (D) Pack: All lengths are packaged 5 pair per box. Polybag includes one pair of slides and mounting screws.

Bulk Pack: Slides only. Left hand slides and right hand slides are packaged in separate boxes.

Lengths 12"–18"	20 each per box
Lengths 20"–28"	10 each per box

Specifications

Slide members and ball retainers: Cold rolled steel
Ball bearings: Carburized steel

RoHS compliant

NOTE: Specifications, materials, prices, terms, and delivery are subject to change without notice.

Accuride®

ACCURIDE INTERNATIONAL INC.
12311 Shoemaker Avenue
Santa Fe Springs, CA 90670
TEL (562) 903-0200
FAX (562) 903-0208
www.accuride.com
Manufacturing, Engineering, and Sales
United States • Germany • Japan • Mexico • United Kingdom • China

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Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-001_TW-002-CT

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Wall Tile
Item Type	Wall Tile
Description	Large Format Porcelain Tile
Manufacturer	Ceramic Technics
Model	Firenze Slimstone Urban
Dimensions	39" x 118" x 3.5 mm
Color	Charcoal
Finish	Honed
Material Composition	Porcelain
CSI #	093000 - Tiling
Omniclass #	22-093000 - Tiling
Recommended Grout	Refer to Design Guideline Drawings for Grout mark number.
Finish	Honed
Product/Color	Firenze Slimstone Urban/Charcoal
Notes	One Slab, No Seams

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Ceramic Technics
Contact Name: Mary Beth Tallant
Phone: (770) 891-0684
Email: mtallant@ceramictechnics.com

ALTERNATE MANUFACTURER 2

Vendor Name: Daltile
Contact Name: Morgan Stephenson
Phone: (214) 309-4531
Email: morgan.stephenson@daltile.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

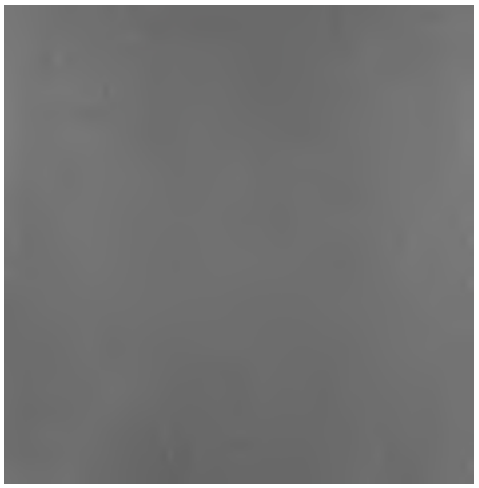
Welcome Desk
Reception

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-001_TW-002-DA

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:



Item Name	Wall TIle
Item Type	Porcelain Wall Tile
Description	Porcelain Wall Tile
Manufacturer	Daltile
Model	Panoramic Industrial Porcelain
Dimensions	63" x 126" x 6mm thick
Color	CM08
Finish	Matte
Material Composition	Glazed Porcelain
CSI #	093000 - Tiling
Omniclass #	22 - 093000 - Tiling
Part of an Assembly	N
Recommended Grout	Refer to Design Guideline Drawings for Grout mark number.
Coefficient of Friction	N/A
Finish	Matte
Product/Color	Panoramic Industrial Porcelain CM08
Warranty	N/A

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Daltile
Contact Name: Morgan Stephenson
Phone: (214) 309-4531
Email: morgan.stephenson@daltile.com

ALTERNATE MANUFACTURER 2

Vendor Name: Ceramic Technics
Contact Name: Mary Beth Tallant
Phone: (770) 891-0684
Email: mtallant@ceramictechnics.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk

SLAB

ML-001_TW-002-DA

PANORAMIC

porcelain surfaces™

ELEMENTAL SELECTION | INDUSTRIAL SELECTION | METALLIC SELECTION

daltile®

IMAGINE WHAT'S POSSIBLE™

INTRODUCING SURFACES
LIKE YOU'VE NEVER SEEN THEM BEFORE.

Panoramic Porcelain Surfaces™ features porcelain that performs and design that delivers for your walls, floors and countertops. This collection offers breathtaking views, stunning visuals and seamless design with no boundaries.

THE POSSIBILITIES: **LIMITLESS**

With Panoramic Porcelain Surfaces™, you have a unique opportunity to let your imagination run wild.

If you've ever dreamt of using limestone slab in places limestone should never be used, Panoramic can help you make those dreams come true. Or, if you've ever wished you could bathe a room in marble, now you can create that look at a fraction of the cost.

SLAB

USAGE

- FLOOR
- WALL
- COUNTERTOP
- SHOWER FLOOR
- EXTERIOR*

SPECIAL FEATURES

- STEPWISE™
- TRU-EDGE™
- MADE IN THE U.S.A.
- LARGE FORMAT
- MOSAIC/ DECO
- ENCAUSTIC
- TERRAZZO
- PAVER
- CUSTOMIZE
- FLEXFIT™

P PORCELAIN

$ LOW HIGH

SEE CHARTS FOR FULL PRODUCT DETAILS

* EXCLUDES EXTERIOR FLOOR

SLIP RESISTANT | WATERPROOF | STAINPROOF | DENTPROOF | SCRATCH-RESISTANT | FIRE-RESISTANT | CLIMATEPRO™ | SIMPLICLEAN™

VISIT THE WHY TILE PAGE AT WWW.DALTILE.COM FOR A COMPLETE LIST OF QUALIFICATIONS AND EXCLUSIONS.

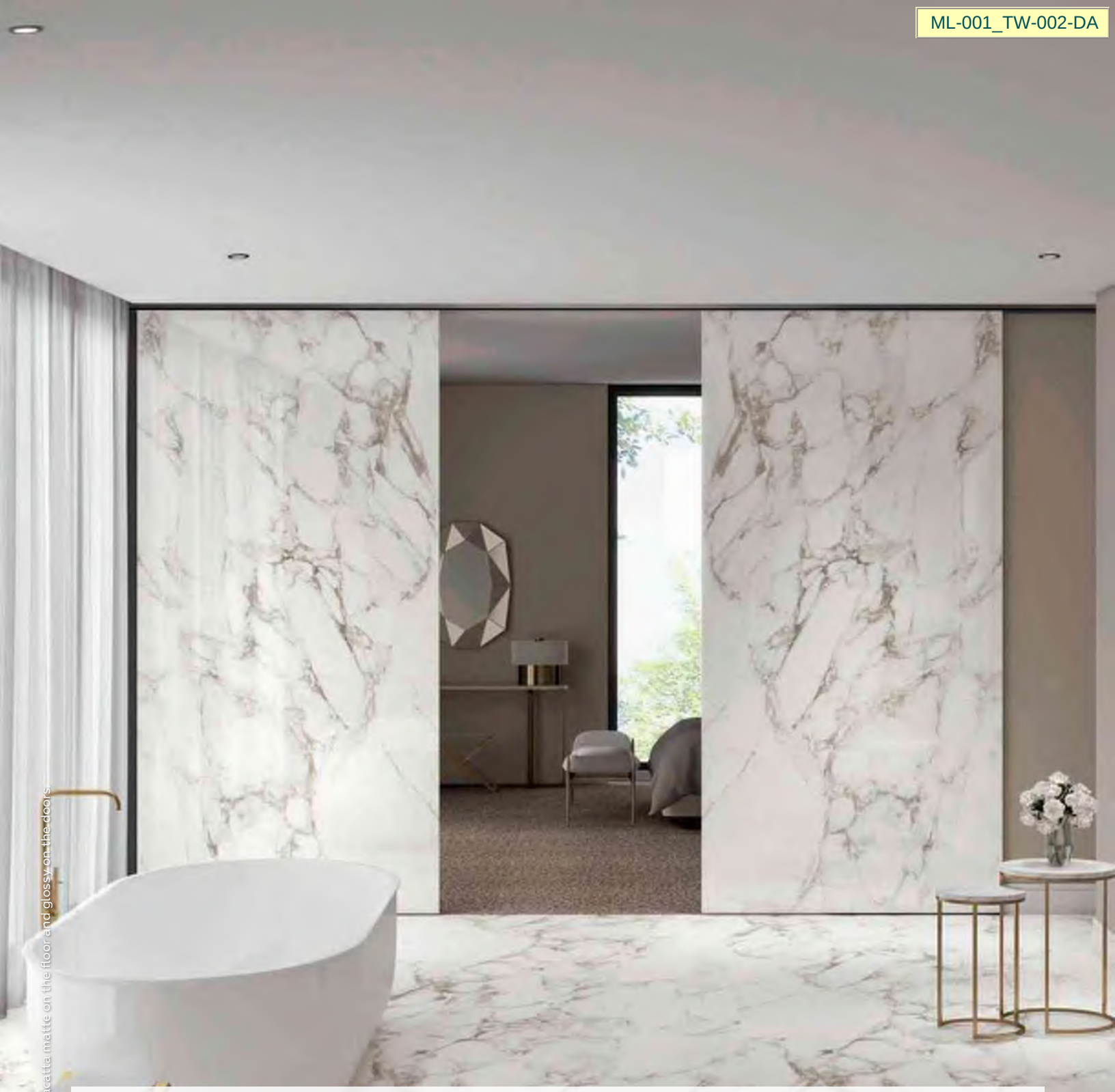


Photo features Elemental Selection Gypsum Calacatta matte on the floor and glossy on the doors

			RESISTANCE						
	PRICE	STYLE	CHIPS	HEAT	STAIN	SCRATCHES	SEALING REQUIRED	MAINTENANCE	PROS
PANORAMIC PORCELAIN SURFACES™	$$	•••	••	•••	•••	•••	NO	NO	Large size for fewer seams; lighter than other slab materials Great for indoor or outdoor installation Virtually maintenance-free Works on walls, floors & countertops – even outdoors

••• EXCELLENT
•• GOOD
• FAIR

SET THE STAGE FOR LUXURY

ELEMENTAL **SELECTION**

Elevate the ambiance of virtually any space with the sophisticated marble looks within Elemental Selection.

Create drama with striking vein patterns, or infuse tranquility with subtle marbling designs. Large format slabs create fewer grout lines for a more seamless appearance in both glossy and matte finishes. By combining the look of natural stone with the value and ease of porcelain, Elemental Selection reinvents classic décor.

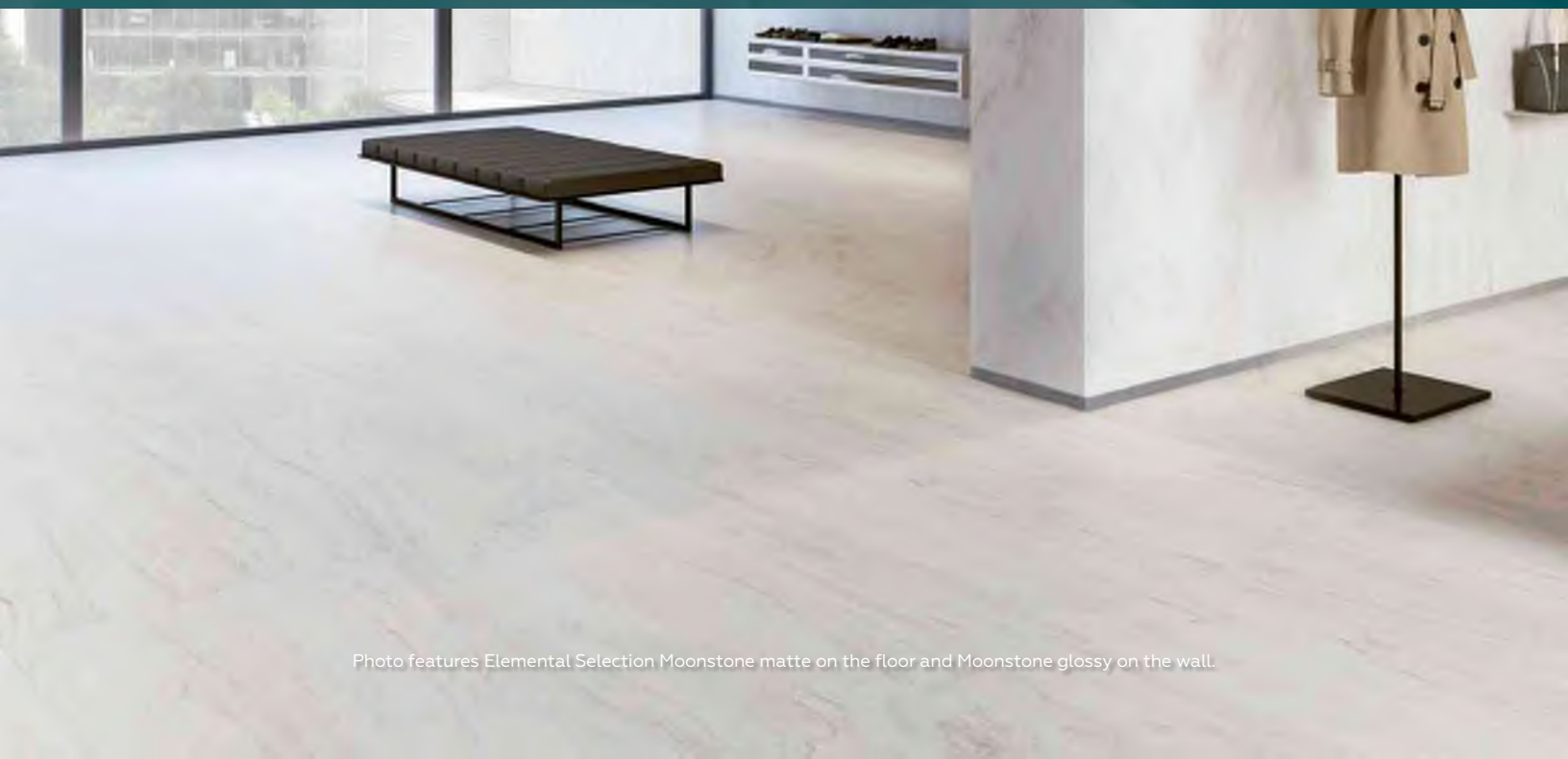


Photo features Elemental Selection Moonstone matte on the floor and Moonstone glossy on the wall.

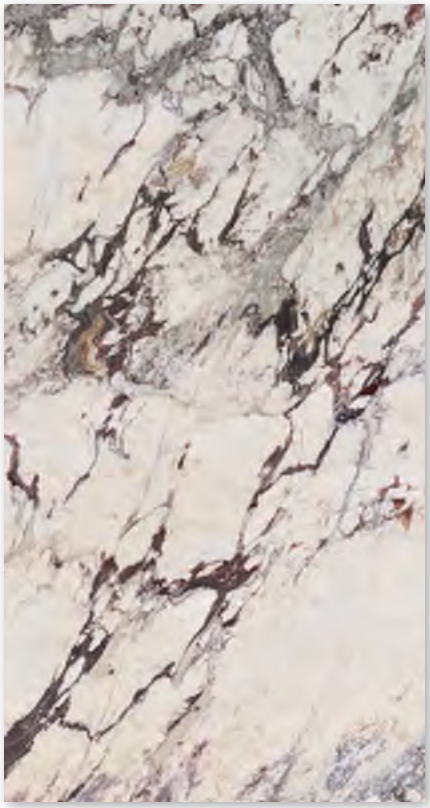
ML-001_TW-002-DA

Photo features Elemental Selection Calacatta Aries matte on the floor and Calacatta Aries glossy on the wall.

PANORAMIC
porcelain surfaces™

ELEMENTAL SELECTION
(Available in matte and glossy finishes)

NEW! GYPSUM CALACATTA CM22



NEW! CALACATTA ARIES CM21*

DIAMOND MINE CM12

MOONSTONE CM11

TITANIUM GREY CM13

ONYX GALAXY CM14

* 6 mm - Available in matte finish only

PANORAMIC
porcelain surfaces™

ELEMENTAL SELECTION
(Available in matte and glossy finishes)

STATUARIO CM03

CALACATTA CM04

MARFIL CM06

BLANC CM05*

* Available in matte finish only

INSPIRING RUGGED ELEGANCE

INDUSTRIAL **SELECTION**

Capture a sense of strength and character with Industrial Selection.

Bring the urban chic feel of a downtown gallery or loft to virtually any space with the look of sleek concrete. Large format slabs provide seamless style to more closely mimic the essence of poured concrete while the smooth, matte finish adds a touch of sophistication. Infuse your space with the robust, stoic presence of concrete while enjoying the versatility of porcelain tile with Industrial Selection.

Photo features Industrial Selection Cinder Rail matte on the floor and wall.

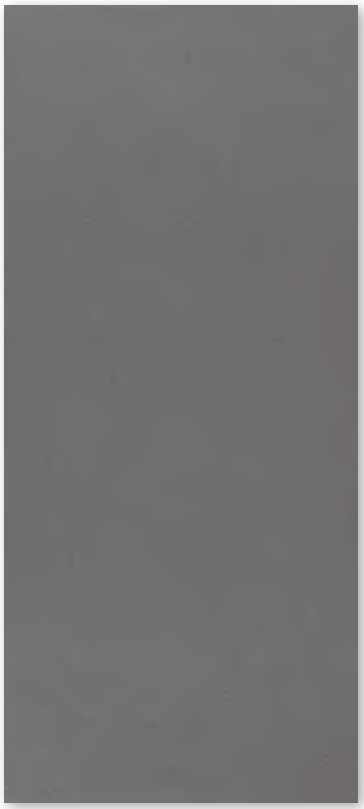
PANORAMIC
porcelain surfaces™

INDUSTRIAL SELECTION
(Available in matte finish only)

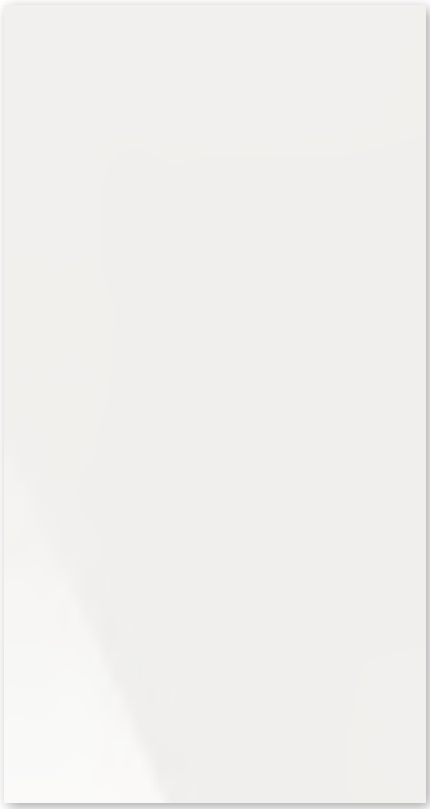
BELMONT TERRACE CM07

VICKERY TAUPE CM10

STONEWALL COAL CM09



HEARTH SMOKE CM08



MANOR WHITE CM18*

CINDER RAIL CM17

CHARRED NICKEL CM16

* Available in glossy & matte finishes

ML-001_TW-002-DA

UNREFINED URBAN GLAMOUR

METALLIC SELECTION

Dazzle with the glitz and glam of the Metallic Selection.

Dripping with design and opulence, the reflective, iridescent metallic sheen encompassed on these sleek slabs takes fashion to new heights. The unrefined essence of concrete enhanced with mixed metals is provided on a scale only large format porcelain slabs can reach. Experience glimmering style with Metallic Selection.

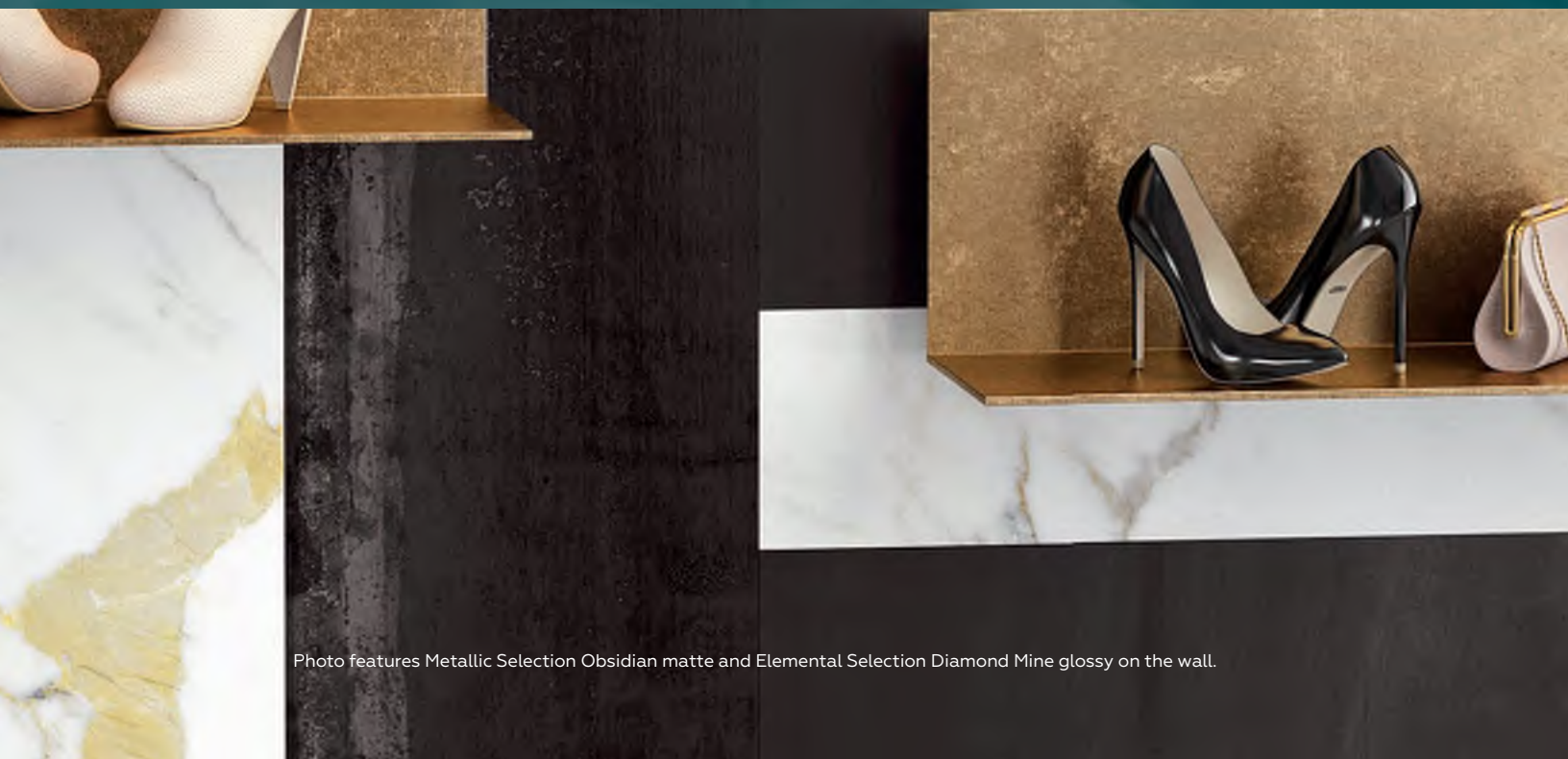


Photo features Metallic Selection Obsidian matte and Elemental Selection Diamond Mine glossy on the wall.

PANORAMIC
porcelain surfaces™

METALLIC SELECTION
(Available in matte finish only)

NEW! CHROMIUM CM19

NEW! OBSIDIAN CM20

Photo features Elemental Selection Onyx Galaxy glossy on the wall and Moonstone matte on the floor.

PANORAMIC
porcelain surfaces™

FLOOR | WALL | COUNTERTOPS

SIZES

Nominal Size		Actual Size	Thickness	Sq. Ft./ Slab
	63" x 126" Slab	62-7/8" x 125-3/4"	1/4" (6 mm)	55.00
	64" x 127" Slab	62-7/8" x 125-3/4"	1/2" (12 mm)*	56.00

FLEXFIT™ SIZE SOLUTIONS

Standard Stocked Sizes+	Actual Size	Thickness
63" x 63"	62" x 62"	6 mm or 12 mm*
31.50" x 126"	31" x 124"	6 mm or 12 mm*
31.50" x 63"	31" x 62"	6 mm or 12 mm*
15.75" x 63"	15-1/2" x 62"	6 mm or 12 mm*
31.50" x 31.50"	31" x 31"	6 mm or 12 mm*
15.75" x 31.50"	15-1/2" x 31"	6 mm or 12 mm*
21" x 21"	20-1/2" x 20-1/2"	6 mm or 12 mm*

PLUS – DREAM IT, DESIGN IT, WE CAN DO IT!
WITH OUR CUSTOM CUT TO SIZE PROGRAM
Request your quick quote: **customquote@daltile.com**
+ Please allow 1-2 weeks for processing & shipping FlexFit™ standard sizes.
* 12mm available for Calacatta Aries, Gypsum Calacatta, Diamond Mine, Moonstone, Statuario, Calacatta, Marfil and Manor White only

APPLICATIONS

	Target DCOF wet	Suitable
Dry & Level – Interior Floor	N/A	✓
Wet & Level – Interior Floor	≥ 0.42	✓*
Shower Floors (Residential or Light Commercial)	≥ 0.42	
Exterior Floor Applications (including pool decking & other wet areas with minimal footwear)	≥ 0.60	
Ramps & Inclines	≥ 0.65	
Walls/Backsplashes	N/A	✓
Countertops	N/A	✓
Pool Linings	N/A	

A DCOF value of ≥ 0.42 is the standard for tiles specified for level interior spaces expected to be walked upon when wet, as stated in ANSI A137.1-2012, Section 9.6. For more information about DCOF and the DCOF AcuTest™, visit daltile.com/DCOF.

APPLICATION NOTES:

Suitable for exterior applications in freezing and non-freezing climates, when proper installation methods are followed.

* Matte finish only.

INSTALLATION

Grout Joint Recommendation	Shade Variation
1/8"	**Medium (V2):** Industrial Selection, Metallic Selection **High (V3):** Elemental Selection

NOTES

Special consideration must be given when installing tiles greater than 15 inches. Please refer to ANSI A108.19 standards for Gauged Porcelain Slabs for more information.

Use of an LFT (Large Format Tile) mortar is required. Thin-set mortars are not suitable for Panoramic Porcelain Surfaces.

Since there are variations in all fired ceramic products, tile and trim supplied for your particular installation may not match these samples. Final color selection should be made from actual panels
and trim and not from product samples or color reproductions.

Water, oil, grease, etc. create slippery conditions. Floor applications with exposure to these conditions require extra caution in product selection. Not for use on ramps.

WARNING: This product can expose you to chemicals known to the State of California to cause cancer, including crystalline Silica (airborne particles of respirable size) in dust created if the product is dry cut/ground/polished or pulverized during fabrication/installation/removal. For more information, go to www.P65Warnings.ca.gov.

For additional information refer to "Factors to Consider" at daltile.com/Factors.

SLAB FACE – BOOK MATCHED APPLICATION

ELEMENTAL SELECTION SKU'S – 12 MM ONLY

STATUARIO CM03

CALACATTA CM04

DIAMOND MINE CM12

GYPSUM CALACATTA CM22*

CALACATTA ARIES CM21*

* Book matched faces also offered in 6mm Calacatta Aries and Gypsum Calacatta slabs.

Cover photo features Panoramic Porcelain Surfaces™ Elemental Selection Gypsum Calacatta matte on the floor and Gypsum Calacatta glossy on the doors.

Inside back cover photo features Industrial Selection Manor White glossy around the fireplace and on the countertop.

Dal-Tile | 7834 C.F. Hawn Freeway
Dallas, Texas 75217 | 1.800.933.TILE

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In-A-Pinch_ML-002

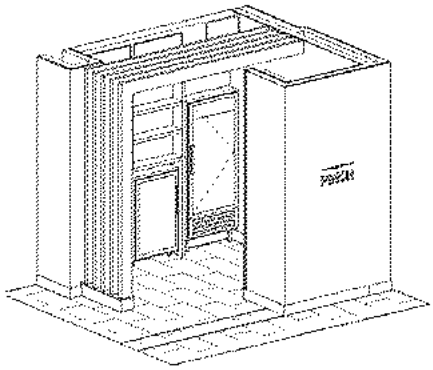
Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-002

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	In-A-Pinch (with & without Beer & Wine) and Sundries
Item Type	Public Millwork
Description	Plastic Laminate Clad Custom Millwork consisting of cabinets, shelves, and countertops.
Manufacturer	R.B. Woodcraft, J. Suss Industries; MGroup; MillRock Casework
Model	Not Applicable
Dimensions	Refer to Design Guideline Drawings
Color	Refer to Design Guideline Drawings and Building Product Manual
Finish	Refer to Design Guideline Drawings and Building Product Manual
Material Composition	Cabinet to Door Interface shall be Frameless, Flush (Full) Overlay. Grain direction to be horizontal on doors, drawer fronts, knee space panels, aprons & end panels.
CSI #	12 32 16 - Manufactured Plastic Laminate Clad Casework
Omniclass #	22-12 32 16 - Manufactured Plastic Laminate Clad Casework
Grade	Lumber shall be in accordance with the AWS Grade specified for the product being fabricated. Moisture content shall be 6% to 12% for boards up to 2-inches nominal thickness, and shall not exceed 19% for thicker pieces.
Classification	Particle Board: ANSI A208.1, Mat-Formed Particle Board, Grade 1-M-2, with minimum density of 45 pcf. Internal bond of 60 psi, and minimum screw holding capacity of 225 lb. on faces and 200 lb. on edges. Hardboard: ANSI A135.4, Class 1, tempered. E. MDF: ANSI A208.2, Grade 130.
Best Practices	Use products with no urea-formaldehyde resins. Use adhesives with Low VOC content.
Quality Standards	Architectural Woodwork Standards (AWS)
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	N
Design & Construction	See attached specifications. All listed millwork must be manufactured in accordance with the attached specifications.
Lighting	Not Applicable
Plastic Laminate	Refer to Specifications
Millwork Hardware	Refer to Specifications
Pattern/ Color	Refer to drawings for finishes. Review and approval of finish samples required prior to manufacturing.
Fabric Wrapped Panels	Not Applicable

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-002

Revision 1

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date: **Nov 23, 2022**

Lead Time	TBD
Notes	1. Public Space Casework: Interior face of exposed cabinet units shall be Thermoset Decorative Overlay (melamine), to match door fronts as shown in the Design Guideline Drawings. a. Exposed & Semi-Exposed ends: Grade VGS plastic laminate or minimum 1mm thick PVC edge banding. Color to match exposed faces. b. Interior unexposed face of units that are likely to become wet should be constructed of polyester overlaid plywood cabinet liner materials: Cabinet Liner Industrial Panel by Olympic Panel Products, LLC or approved substitution. 2. Top and Bottom Rails; and Sub-toe Boards: Not less than 3/4-inch particleboard faced with Grade VGS plastic laminate to match door and drawer fronts. Machine ends for wood-dowel or mechanical dowel fasteners to receive top, bottom, and back. Base ends to extend to floor. Finish exposed ends to match doors and doors and drawer fronts. 3. Unexposed Ends: Not less than 3/4-inch tempered hardboard; finished with Thermoset Decorative Overlay (Melamine). Attach to front frame in same manner as exposed ends. 4. Back Panels: Not less than 1/4-inch tempered hardboard or MDF; finished with Thermoset Decorative Overlay (Melamine). 5. Shelving (within cabinetry): Not less than 3/4" particle board with Thermoset Decorative Overlay (melamine) to match cabinet interior, PVC edge banding; adjustable at least every 1-1/2 inch; clear plastic [seismic] shelf clip pressed into 5mm holes bored in cabinet side. Fabricate base shelf to half depth. Exposed Fixed Shelving Units: Front faces to be Grade VGS plastic laminate overlay. 6. Filler Strips: Provide as needed to close spaces between cabinets and walls, ceilings, and indicated equipment. Fabricate from same material and with same finish as cabinets. Oversize for field cutting to suit field conditions and assure continuous enclosure of open spaces. Provide raw (unfinished) cleats at blind corners and appliance openings as required to support countertops, minimum 3/4-inch x 1-1/2 inch x 8 foot length, to be field cut and fit by the installer.

SPECIAL INSTRUCTIONS

Architect / General Contractor to coordinate millwork with equipment sizes and requirements, to include In-A-Pinch equipment, glass doors, lighting, power/data, slat walls, etc.

MANUFACTURER	AREAS
Vendor Name: RB Woodcraft Inc	In-A-Pinch

Contact Name: Drew Brooks
Phone: (315) 474-2429
Email: drewbrooks@rbwoodcraft.com

ALTERNATE MANUFACTURER 2

Vendor Name: J Suss Industry
Contact Name: Liane Alexander
Phone: (866) 769-5666
Email: liane@jsuss.com

ALTERNATE MANUFACTURER 3

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 4

Vendor Name: Millrock
Contact Name: Jared Jaudon
Phone: (540) 437-3458
Email: jjaudon@millrock.com

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-002_LA-002-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Plastic Laminate
Item Type	Type 107 General Purpose (HGS) Laminate
Description	General purpose laminate product
Manufacturer	Wilsonart
Model	#7850-12
Dimensions	0.045" Plus Minus 0.005" Thickness, Standard Sheet Widths 36", 48", 60" x Standard Sheet Lengths 96", 120", 144"
Color	Beigewood
Finish	SoftGrain
Material Composition	Melamine impregnated deccorative surface papers combined with fire retardant phenolic treated kraft paper
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023 - Interior Architectural Woodwork
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Beigewood 7850-12
Warranty	1 Year
Notes	Recommended substrates for laminates are Particleboard, Medium Density Fiberboard (MDF) or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates.

SPECIAL INSTRUCTIONS

1. Run grain direction vertically unless noted otherwise.
2. PVC Edgebanding:
a. Exposed Ends: Grade VGS plastic laminate or minimum 0.030-inch thick PVC edge banding. Color to match exposed faces.
b. Semi-exposed Ends; Grade VGS plastic laminate or minimum 0.030-inch thick PVC edge banding. Color to match exposed faces.
3. Melamine at all vertical surfaces/HPL at all horizontal surfaces
4. Elevator Interior Cab: Materials shall comply with NEMA LD-3
a. Fire-Retardant Treated Particleboard Panels : Minimum ½-inch thick backup for plastic laminate veneered panels, provided with suitable anti-warp backing; to meet ASTM E84 Class “A” rating with flame-spread rating of 25 or less.

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-002_LA-002-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk
In-A-Pinch
Connection Center
Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Public Restrooms
Elevator Lobby
Administration
Lobby
Breakfast

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-002_MH-010-KV

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Shelf Supports Pins & Bussings
Item Type	Shelf Supports Pins & Bussings
Description	Shelf Supports Pins & Bussings (Exposed 5mm)
Manufacturer	KV
Model	326 Grommets w/ 330 Round Shelf Pins
Finish	Anochrome
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Screw/Nail	As recommended by Manufacturer
Finish	Anochrome
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: KV
Contact Name: Customer Service
Phone: 1(800)-253-1561
Email: customer.service@kv.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

In-A-Pinch
Fitness Center

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-002_MH-012-GR

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Concealed Hinges at Upward Lifting Cabinet Doors
Item Type	Concealed Hinges at Upward Lifting Cabinet Doors
Description	Concealed Hinges at Upward Lifting Cabinet Doors
Manufacturer	Grass America
Model	Kinvaro T-105
Finish	US15 Satin/Brushed Nickel
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Assembly Description	ML-008
Screw/Nail	As recommended by Manufacturer
Finish	US15 Satin/Brushed Nickel
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Grass America
Contact Name:
Phone: 800.334.3512
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

In-A-Pinch

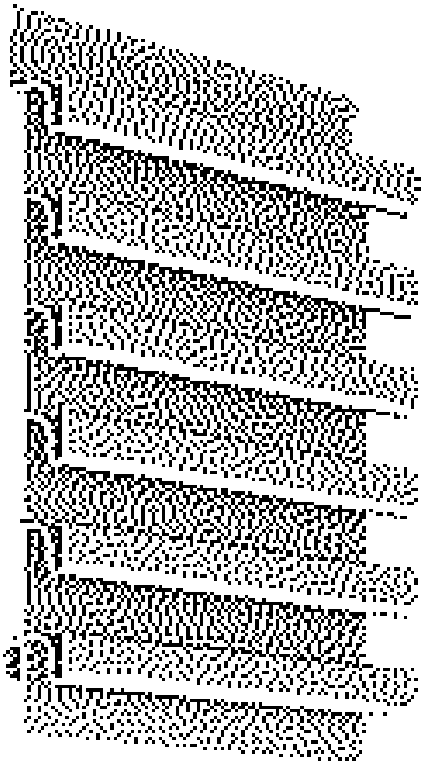
Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-002_MH-026-MEG

Real Living Decor Package

Issue Date: Nov 23, 2022
Revision Date:

Item Name	Public Space Millwork
Item Type	Product Display
Description	Metal slatwall display system
Manufacturer	Megawall
Model	Aluminum Slatwall Systems, Flat Back A10-1S-96
Dimensions	1"oc Slat Spacing
Color	Refer to Design Guideline Drawings
Finish	Powdercoated
CSI #	10 11 00 - Visual Display Surfaces
Omniclass #	22-10 11 00 - Visual Display Surfaces
Best Practices	50% Recycled Content
Accessories	Hidden Fastener System, coordinate with millwork



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Megawall Inc
Contact Name: Customer Service
Phone: 800-948-2736
Email: sales@megawall.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

In-A-Pinch

Connection Center_ML-003

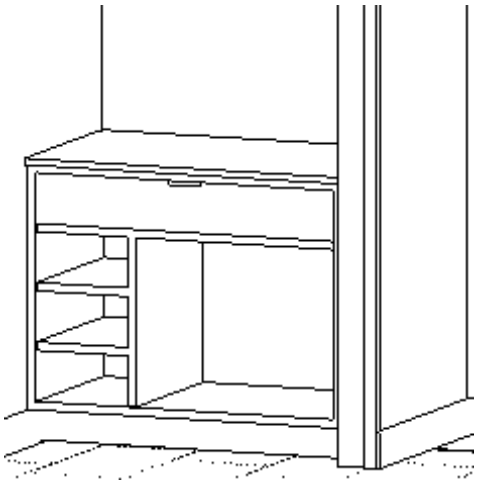
Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-003

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Connection Center
Item Type	Public Millwork
Description	Plastic Laminate Clad Custom Millwork that houses computer and printer for transients to use. Consists of cabinets, drawers, shelves and countertops.
Manufacturer	R.B. Woodcraft, J. Suss Industries, MGroup; MillRock Casework
Model	Not Applicable
Dimensions	Refer to Design Guideline Drawings
Color	Refer to Design Guideline Drawings and Building Product Manual
Finish	Refer to Design Guideline Drawings and Building Product Manual
Material Composition	Cabinet to Door Interface shall be Frameless, Flush (Full) Overlay. Grain direction to be horizontal on doors, drawer fronts, knee space panels, aprons & end panels.
CSI #	12 32 16 - Manufactured Plastic Laminate Clad Casework
Omniclass #	22-12 32 16 - Manufactured Plastic Laminate Clad Casework
Grade	Lumber shall be in accordance with the AWS Grade specified for the product being fabricated. Moisture content shall be 6% to 12% for boards up to 2-inches nominal thickness, and shall not exceed 19% for thicker pieces.
Classification	Particle Board: ANSI A208.1, Mat-Formed Particle Board, Grade 1-M-2, with minimum density of 45 pcf. Internal bond of 60 psi, and minimum screw holding capacity of 225 lb. on faces and 200 lb. on edges. Hardboard: ANSI A135.4, Class 1, tempered. E. MDF: ANSI A208.2, Grade 130.
Acoustical Performance	Door & Drawer bumpers to be placed on all cabinet doors and drawers.
Best Practices	Use products with no urea-formaldehyde resins. Use adhesives with Low VOC content.
Quality Standards	Architectural Woodwork Standards (AWS)
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	N
Design & Construction	See attached specifications. All listed millwork must be manufactured in accordance with the attached specifications.
Lighting	Not Applicable
Plastic Laminate	Refer to Specifications within Building Product Manual

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date: **Nov 23, 2022**

Millwork Hardware	Refer to Specifications within Building Product Manual
Pattern/ Color	Refer to drawings for finishes. Review and approval of finish samples required prior to manufacturing.
Fabric Wrapped Panels	Not Applicable
Lead Time	TBD
Notes	1. Public Space Casework: Interior face of exposed cabinet units shall be Thermoset Decorative Overlay (melamine), to match door fronts as shown in the Design Guideline Drawings. a. Exposed & Semi-Exposed ends: Grade VGS plastic laminate or minimum 1mm thick PVC edge banding. Color to match exposed faces. 2. Top and Bottom Rails; and Sub-toe Boards: Not less than 3/4-inch particleboard faced with Grade VGS plastic laminate to match door and drawer fronts. Machine ends for wood-dowel or mechanical dowel fasteners to receive top, bottom, and back. Base ends to extend to floor. Finish exposed ends to match doors and doors and drawer fronts. 3. Unexposed Ends: Not less than 3/4-inch tempered hardboard; finished with Thermoset Decorative Overlay (Melamine). Attach to front frame in same manner as exposed ends. 4. Back Panels: Not less than 1/4-inch tempered hardboard or MDF; finished with Thermoset Decorative Overlay (Melamine). 5. Doors 48 Inches or Less in Height: 3/4 inch thick, Particle Board cores. Front faces to be Grade VGS plastic laminate overlay, and back faces to be Thermoset Decorative Overlay (melamine). Provide stop silencers at the top and bottom of all hinged doors. 6. Shelving (within cabinetry): Not less than 3/4" particle board with Thermoset Decorative Overlay (melamine) to match cabinet interior, PVC edge banding; adjustable at least every 1-1/2 inch; clear plastic [seismic] shelf clip pressed into 5mm holes bored in cabinet side. Fabricate base shelf to half depth. Exposed Fixed Shelving Units: Front faces to be Grade VGS plastic laminate overlay. 7. Filler Strips: Provide as needed to close spaces between cabinets and walls, ceilings, and indicated equipment. Fabricate from same material and with same finish as cabinets. Oversize for field cutting to suit field conditions and assure continuous enclosure of open spaces. Provide raw (unfinished) cleats at blind corners and appliance openings as required to support countertops, minimum 3/4-inch x 1-1/2 inch x 8 foot length, to be field cut and fit by the installer. 8. Base Cabinet Units: a. Base Cabinet Top Frames: 3/4-inch solid wood

with mortise and tenon or doweled connections, glued and pinned or screwed. Base Cabinet Stretchers: 3/4-by-4-1/2-inch plywood, Particle Board, or MDF strips or solid-wood boards at front and back of cabinet, glued and pinned or screwed.
b. Base Cabinet Stretchers may be provided as an option to base cabinet top frames.
c. Bottoms: Not less than 1/2-inch hardwood plywood faced with Thermoset Decorative Overlay (Melamine) to match door and drawer fronts, fully supported by and secured in rabbets in end panels, front frame, and back bottom rail.
d. Corner Blocks: Glued and fastened in each of four top corners to maintain cabinet squareness and rigidity.
9. Drawers:
a. Provide box-type construction with sub-front and back joined with glued dovetail or rabbeted into sides and secured with glue and mechanical fasteners. Clear coat all exposed surfaces. Match color of sides and bottoms with drawer fronts.
b. Drawer Fronts: 3/4-inch-thick, Particle Board cores. Front faces to be Grade VGS plastic laminate overlay, and back faces to be Thermoset Decorative Overlay (melamine).
c. Drawer Sides Sub-fronts, and Backs: Not less than 1/2-inch hardwood dovetail construction or 3/4-inch thick Particle Board faced with Thermoset Decorative Overlay (melamine). Provide PVC edge banding to match finish of fronts.
d. Exposed fronts fastened to Sub-fronts with mounting screws from interior of body.
e. Drawer bottom of not less than 1/4-inch thick plywood faced with Thermoset Decorative Panel overlay (melamine), set into rabbets in back, sides, and sub-fronts.

SPECIAL INSTRUCTIONS

Architect / General Contractor to coordinate millwork with equipment sizes and requirements, to include printer, CPU, monitor, keyboard, power/data, etc.

MANUFACTURER

Vendor Name: RB Woodcraft Inc
Contact Name: Drew Brooks
Phone: (315) 474-2429
Email: drewbrooks@rbwoodcraft.com

ALTERNATE MANUFACTURER 2

Vendor Name: J Suss Industry
Contact Name: Liane Alexander
Phone: (866) 769-5666
Email: liane@jsuss.com

AREAS

Connection Center

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

ALTERNATE MANUFACTURER 3

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 4

Vendor Name: Millrock
Contact Name: Jared Jaudon
Phone: (540) 437-3458
Email: jjaudon@millrock.com

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-003_CT-002-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop
Manufacturer	Wilsonart International, Inc.
Model	Q1017
Dimensions	3/4" Thick
Color	Vesuvius
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661
Fire/Smoke Rating	ASTM E84 Class 1 (NFPA Class A) FS-25 or less.
Structural Performance	Mohs Hardness Scale: 6 to 6.5. Density: Not less than 2 g/cm3 when tested per ASTM C97.
Thermal Performance	Thermal shock: Pass 5 cycles, tested per ASTM C484.
Best Practices	UL Greenguard certified
Quality Standards	NSF/ANSI 51 Certified. Stain resistance: Passes ANSI Z124.6. Water absorption: Maximum 0.04 percent, tested per ASTM C97. Chemical resistance: Not Affected when tested per ASTM C650.
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	N
Thickness	3/4"
Finish	Polished
Warranty	One (1) year minimum warranty against defects in materials and workmanship. Commercial Lifetime warranty
Notes	Refer to drawings for edge profile

SPECIAL INSTRUCTIONS

Label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524

AREAS

Welcome Desk
Connection Center
Reception

Email: morgena@wilsonart.com	
ALTERNATE MANUFACTURER 2	
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

TECHNICAL DATA
Wilsonart® Quartz

Wilsonart
2501 Wilsonart Drive
P.O. Box 6110
Temple, TX 76503-6110

1. Distributor

Wilsonart LLC
2501 Wilsonart Drive
P.O. Box 6110
Temple, Texas 76503-6110
Toll-Free: 800-433-3222
Website: www.wilsonart.com

2. Product Descriptions

Product Composition

Wilsonart® Quartz is manufactured with up to 93 percent high quality natural quartz crystals, high quality polyester binders, and proprietary coloring agents that are homogeneous, with uniform color throughout their thickness.

Basic Limitations

Wilsonart® Quartz is designed for interior use only, ideal for residential and commercial applications. Wilsonart Quartz is a solid, non-porous, highly durable surface and resistant to scratching, staining, and water absorption and is virtually maintenance free.

Fabrication

Refer to the Wilsonart Quartz Fabrication Manual or contact a Wilsonart® Quartz Fabricator or Distributor for details.

Colors and Finishes

Wilsonart® Quartz has created a wide array of colors. Wilsonart Quartz is available in a polished finish.
Glossometer reading: >45

Sheet Dimensions:

	Wilsonart® Quartz Standard Size
Available Sizes	120” (306 cm) x 55” (140 cm), 120” (306 cm) x 63” (160 cm), 126” (320 cm) x 63” (160 cm), 130” (330 cm) x 65” (166 cm)
Thickness	Product Type 062 = 0.79" (2 cm) ± 0.060"(0.15 cm)
Thickness	Product Type 063 = 1.18" (3 cm) ± 0.060"(0.15 cm)
Approximate Weight	Product Type 062 = 10 lbs./ft^2 (2 cm)
Approximate Weight	Product Type 063 = 15 lbs./ft^2 (3 cm)

* Please consult Wilsonart® Quartz Design Library on www.wilsonart.com for available slab sizes by pattern

Physical Properties

Test Description	**Typical Results**	**Test**
Flexural Strength (psi)	>6,000	ASTM D 790
	31 - 75	EN14617-2
Thermal Expansion Coefficient	16 x 10^{-6} - 20.8 x 10^{-6*}	EN14617-11
Impact Resistance	3.4 – 7.35	EN14617-9
Stain Resistance	No Effect	EN14617-10
High Temperature Heat Resistance	No Effect to Slight Effect	ISO 4586
Chemical Resistance (acids and bases)	C4	EN14617-10
Abrasion Resistance	>100	ASTM C501
	23.6 – 27.5	EN14617-4

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Density (g/cm^3)	>2.1	ASTM C97
Compressive Strength (One Axis – Dry) (psi)	>20,000	ASTM C170
Moisture Absorption	<0.03	ASTM C97
	<0.03	EN14617-1
Freeze and Thaw Resistance	0.999	EN14617-5
Fire Behavior	Class 1/A Rating	ASTM E 84

**Test results vary slightly depending on pattern.*
The information contained in this section is based on technical data which Wilsonart LLC believes to be reliable, and is intended for use by persons having knowledge of this technical area at their own discretion.

Certifications
Wilsonart® Quartz is UL GREENGUARD Standard and Gold Standard Certified for low chemical emissions.
NSF 51 Food Zone and FDA food contact compliant.
Wilsonart Quartz is Kosher certified under the Kashruth Division of the Orthodox Union.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Quartz per ISO 4586-2 Method 31 (B)
No effect was exhibited except as noted (* or **) on the following:

1. Beckart Environmental (Stabilized Chlorine Dioxide Mixed with Water at 3000ppm)
2. Benefect® *
3. Claire® Germicidal Cleaner (Country Fresh Scent) **
4. Claire® Disinfectant Spray Q (Country Fresh Scent) **
5. Clean Republic – All Purpose Everyday Cleaner (Hypochlorous Acid – 0.003% Solution)
6. Clorox® Anywhere® Hard Surface Sanitizing Spray *
7. Clorox® Clean-Up (Cleaner & Bleach)
8. Clorox® Disinfecting Bleach w/6% Sodium Hypochlorite (24:1/Water:Bleach)
9. Clorox® Disinfecting Spray
10. Clorox® Disinfecting Wipes
11. Clorox Healthcare® Bleach Germicidal Cleaner *
12. Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant *
13. Clorox Healthcare® Fuzion® Cleaner Disinfectant *
14. Clorox Healthcare® VersaSure® Cleaner Disinfectant Wipes
15. Clorox® Total 360 Disinfectant Cleaner
16. Diversey™ Expose® II 256 *
17. Diversey™ Oxivir 1 *
18. Diversey™ Oxivir Tb Wipes *
19. Diversey™ Stride® Floral Neutral Cleaner
20. Diversey™ Virex® II 256 *
21. Fabuloso® Complete (Multi-Purpose Cleaner)
22. Lysol® Professional Disinfectant Spray
23. Microban® 24 Hour (Multi-Purpose Cleaner)
24. PDI Sani-Prime® Germicidal Spray
25. PDI Super Sani-Cloth® Germicidal Disposable Wipes
26. PURELL® Advanced Hand Sanitizer Gel *
27. Purell® Food Service Surface Sanitizer *
28. Purell® Professional Surface Disinfectant *
29. Purell® Healthcare Surface Disinfectant *
30. Simple Green® Concentrated (All-Purpose Cleaner)
31. Spic and Span® Everyday (Antibacterial Cleaner)

Test procedure: Listed materials were placed in contact with Wilsonart® Quartz surface under 1" (25.4mm) diameter watch cover glass for 16 hours duration prior to evaluation for effect. The branded cleaners and sanitizers listed above were cleaned with water only.

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* Causes slight change of gloss or color.
** Causes slight damage, with degree of damage proportionate to length of exposure and concentration.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Quartz per BIFMA HCF 8.1-2014 (Section 6 / Modified)
No effect was exhibited except as noted (* or **) on the following:

1. Beckart Environmental, Inc. (Stabilized Chlorine Dioxide Mixed with Water at 3000ppm)
2. Benefect®
3. Claire® Germicidal Cleaner (Country Fresh Scent)
4. Claire® Disinfectant Spray Q (Country Fresh Scent)
5. Clean Republic – All Purpose Everyday Cleaner (Hypochlorous Acid – 0.003% Solution)
6. Clorox® Anywhere® Hard Surface Sanitizing Spray
7. Clorox® Clean-Up (Cleaner & Bleach)
8. Clorox® Disinfecting Bleach w/6% Sodium Hypochlorite (24:1/Water:Bleach)
9. Clorox® Disinfecting Spray
10. Clorox® Disinfecting Wipes
11. Clorox Healthcare® Bleach Germicidal Cleaner
12. Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant *
13. Clorox Healthcare® Fuzion® Cleaner Disinfectant
14. Clorox Healthcare® VersaSure® Cleaner Disinfectant Wipes
15. Clorox® Total 360 Disinfectant Cleaner
16. Diversey™ Expose II 256
17. Diversey™ Oxivir 1 *
18. Diversey™ Stride® Floral Neutral Cleaner
19. Diversey™ Tb Wipes *
20. Diversey™ Virex II 256
21. Fabuloso® Complete (Multi-Purpose Cleaner)
22. Lysol® Professional Disinfectant Spray
23. Microban® 24 Hour (Multi-Purpose Cleaner)
24. PDI Sani-Prime® Germicidal Spray
25. PDI Super Sani-Cloth® Germicidal Disposable Wipes
26. PURELL® Advanced Hand Sanitizer Gel
27. Purell® Food Service Surface Sanitizer
28. Purell® Professional Surface Disinfectant
29. Purell® Healthcare Surface Disinfectant
30. Simple Green® Concentrated (All-Purpose Cleaner)
31. Spic and Span® Everyday (Antibacterial Cleaner)

Test procedure: Listed reagent materials were placed in contact with Wilsonart® Quartz surface with a one-inch square 100% cotton cloth completely saturated and covered with a 2” (50.8mm) diameter watch cover glass for 15 minute duration. The reagents listed above were removed with clean cloth and the area was then cleaned with clean cloth and distilled water only. The surface area was allowed to dry for 1-hour prior to evaluation for effect.
* Causes slight change of gloss or color.
** Causes slight damage, with degree of damage proportionate to length of exposure and concentration.

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3. Care and Maintenance

4. Warranty

5. **Customer Service**
   For samples, literature, questions, technical assistance, or warranty information, please contact our toll-free Hotline at (800) 433-3222, Monday through Friday, 8 am – 5 pm CST, or visit our website at www.wilsonart.com.

Quartz Tech Data
Revised: July 9, 2020
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Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-003_LA-002-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Plastic Laminate
Item Type	Type 107 General Purpose (HGS) Laminate
Description	General purpose laminate product
Manufacturer	Wilsonart
Model	#7850-12
Dimensions	0.045" Plus Minus 0.005" Thickness, Standard Sheet Widths 36", 48", 60" x Standard Sheet Lengths 96", 120", 144"
Color	Beigewood
Finish	SoftGrain
Material Composition	Melamine impregnated deccorative surface papers combined with fire retardant phenolic treated kraft paper
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023 - Interior Architectural Woodwork
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Beigewood 7850-12
Warranty	1 Year
Notes	Recommended substrates for laminates are Particleboard, Medium Density Fiberboard (MDF) or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates.

SPECIAL INSTRUCTIONS

1. Run grain direction vertically unless noted otherwise.
2. PVC Edgebanding:
a. Exposed Ends: Grade VGS plastic laminate or minimum 0.030-inch thick PVC edge banding. Color to match exposed faces.
b. Semi-exposed Ends; Grade VGS plastic laminate or minimum 0.030-inch thick PVC edge banding. Color to match exposed faces.
3. Melamine at all vertical surfaces/HPL at all horizontal surfaces
4. Elevator Interior Cab: Materials shall comply with NEMA LD-3
a. Fire-Retardant Treated Particleboard Panels : Minimum ½-inch thick backup for plastic laminate veneered panels, provided with suitable anti-warp backing; to meet ASTM E84 Class “A” rating with flame-spread rating of 25 or less.

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-003_LA-002-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk
In-A-Pinch
Connection Center
Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Public Restrooms
Elevator Lobby
Administration
Lobby
Breakfast

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-003_MH-004-ACU

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Drawer Slides
Item Type	Drawer Slides
Description	Drawer Slides at Box & File Drawers
Manufacturer	Accuride
Model	3832E
Finish	Bright electro-zinc (C)
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Screw/Nail	As recommended by Manufacturer
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.
Notes	https://tinyurl.com/5239b85s

SPECIAL INSTRUCTIONS

At drawer slides for large drawers, verify potential loading and adjust slide type to accommodate loads. For drawers over 16" and less than 24" wide use Accuride 7432. For wider applications use Accuride 3640.

MANUFACTURER

Vendor Name: Accuride International
Contact Name:
Phone: 562.903.0200
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk
Connection Center

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-003_MH-005-KV

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Shelf Supports Pins & Bussings
Item Type	Shelf Supports
Description	Shelf Supports (non-exposed 5mm)
Manufacturer	KV
Model	345
Dimensions	5/16"
Finish	Nickel Plated (NP)
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Screw/Nail	As recommended by Manufacturer
Finish	Nickel Plated (NP)
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: KV
Contact Name: Customer Service
Phone: 1(800)-253-1561
Email: customer.service@kv.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Connection Center
Hub
On Us
Buffet
Flex
Employee Areas
Elevator Lobby
Administration

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-003_MH-017-JG

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Cabinet Pulls
Item Type	Door & Drawer Edge Pull
Description	Edge Pull
Manufacturer	J.G. Edelen Company, Inc
Model	Liberty Hardware P31675-SN-C Modern Edge Collection
Dimensions	7"L x 1-5/8"W x 1"H
Finish	Satin Nickel
Material Composition	Zinc Die Cast, solid sheet aluminum construction
CSI #	12 32 16 - Manufactured Plastic Laminate Clad Casework
Omniclass #	22-12 32 16 - Manufactured Plastic Laminate Clad Casework
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

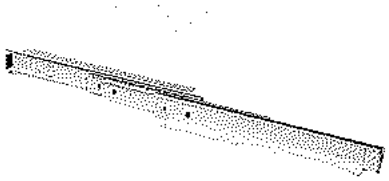
Welcome Desk
Connection Center
Hub
Buffet
Flex
Elevator Lobby

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-003_MH-019-ACU

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:



Item Name	Millwork Hardware
Item Type	Shelf Slides
Description	Undermount Shelf Slide Non-Disconnect Over Travel
Manufacturer	Accuride
Model	301-2590
Finish	Bright electro-zinc (C)
CSI #	12 32 16 - Manufactured Plastic Laminate Clad Casework
Omniclass #	22-12 32 16 - Manufactured Plastic Laminate Clad Casework
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Accessories	#8 pan head or round head screws
Part of an Assembly	Y
Screw/Nail	As recommended by Manufacturer
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.

SPECIAL INSTRUCTIONS

At shelf slides for large drawers, verify potential loading and adjust slide type to accommodate loads.

MANUFACTURER

Vendor Name: Accuride International
Contact Name:
Phone: 562.903.0200
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk
Connection Center
Flex
Fitness Center

Accuride®

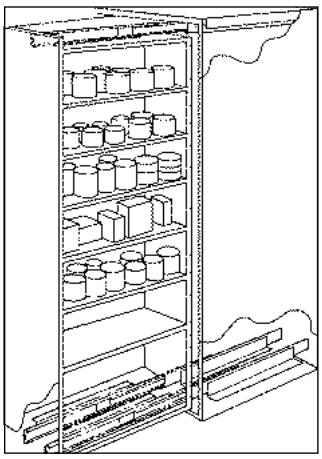
MODEL 301-2590

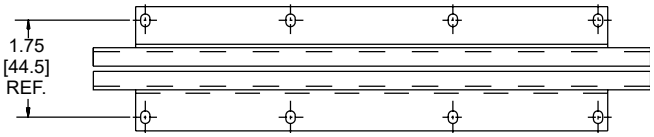
Undermount Shelf Slide
Non-Disconnect
Over Travel

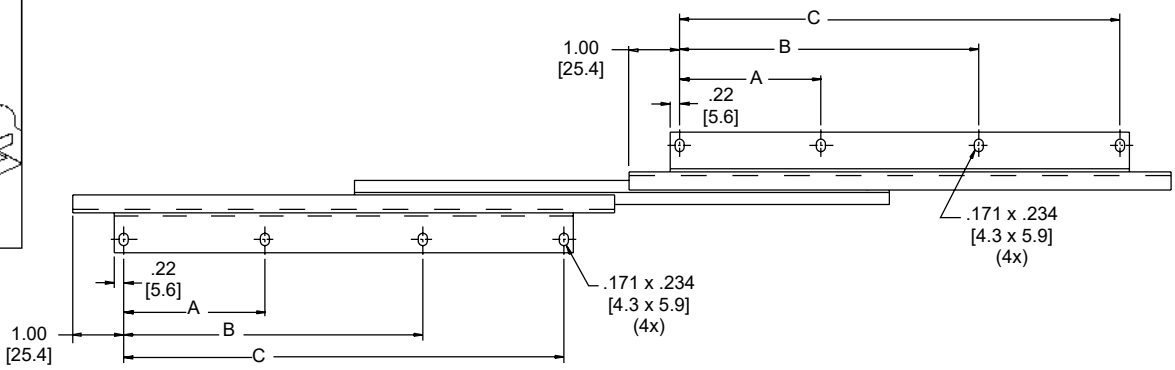
Applications: Pull-out storage shelves, kitchen pull-out pantries, and entertainment centers. Battery trays, storage bins, and generators.

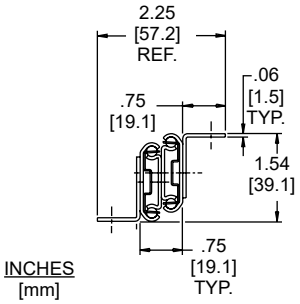
301-2590
QUICK REFERENCE

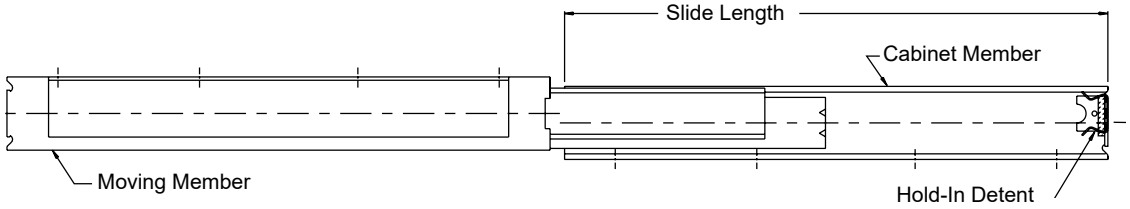
Side Space: .75" [19.1 mm] slide only
2.25" [57.2 mm] with brackets
Length: 12"–28" [305 mm–711 mm]
Overall slide dimensions: .50" x 1.62"
Load rating: Up to 155 lb. [70 kg.]*











Finish	Bright electro-zinc (C) or black zinc (CB) plating
Length	12"–28" [305 mm–711 mm]
Height	1.54" [39.1 mm]
Side Space	.75" [19.1 mm] slide only 2.25" [57.2 mm] with brackets
Load	Up to 155 lbs [70 kg]* Capacity
Travel	Slide length plus .83" [21.1 mm]
Mounting	Bracket/undermount
Hardware	#8 pan head or round head screws
Features	Hold-in detent, silenced open and closed, slide is handed

* Load rating based on a 16" wide shelf cycled 50,000 times.

Part Number	Slide Length	Slide Travel	Load Rating lb. [kg] per pair*	A	B	C
301-2590-12	12.00 [305]	12.83 [325.9]	155 [70]	4.00 [101.6]	6.00 [152.4]	10.00 [254.0]
301-2590-14	14.00 [356]	14.83 [376.7]	148 [67]	4.00 [101.6]	8.00 [203.2]	12.00 [304.8]
301-2590-16	16.00 [406]	16.83 [427.5]	140 [64]	4.00 [101.6]	10.00 [254.0]	14.00 [355.6]
301-2590-18	18.00 [457]	18.83 [478.3]	130 [59]	4.00 [101.6]	12.00 [304.8]	16.00 [406.4]
301-2590-20	20.00 [508]	20.83 [529.1]	122 [55]	7.00 [177.8]	11.00 [279.4]	18.00 [457.2]
301-2590-22	22.00 [559]	22.83 [579.9]	113 [51]	7.00 [177.8]	13.00 [330.2]	20.00 [508.0]
301-2590-24	24.00 [610]	24.83 [630.7]	104 [47]	7.00 [177.8]	15.00 [381.0]	22.00 [558.8]
301-2590-26	26.00 [660]	26.83 [681.5]	95 [43]	7.00 [177.8]	17.00 [431.8]	24.00 [609.6]
301-2590-28	28.00 [711]	28.83 [732.3]	85 [39]	7.00 [177.8]	19.00 [482.6]	26.00 [660.4]

1. Mark a line at least 1/4" [6.4 mm] in from the right side of the cabinet opening and parallel to the cabinet side.
2. Locate a point on this line 1.00" [25.4 mm] back from the desired front of the slide.
3. Using #8 pan or round head screws, mount the cabinet member bracket through the first hole at this point.

   NOTE: For maximum strength, ensure that the hold-in detent spring is installed inside the cabinet.
4. Mount the left hand slide similarly, locating the screw centerline of the cabinet member bracket at least 1/4" [6.4 mm] in from the left side of the opening.
5. Keeping the right and left hand slides parallel, install the remainder of the cabinet member screws.

   NOTE: When using soft materials such as particle board, replace rear cabinet mounting screws with through bolts.
6. With slides extended, center the shelf and drive the screws up through the moving member brackets into the bottom of the shelf.

   NOTE: If the unit is mounted too close to the floor reverse the procedure above and install the moving member screws first.

Slide Ordering Instructions

Complete your slide order for Accuride model 301-2590 by specifying the following:

20 Pair	C	301-2590	-16	D
Total Required Slides				
	Slide Finish			
		Slide Model Number		
			Slide Length	
				Optional Polybag Packaging

Packaging

Distributor (D) Pack: All lengths are packaged 5 pair per box. Polybag includes one pair of slides and mounting screws.

Bulk Pack: Slides only. Left hand slides and right hand slides are packaged in separate boxes.

Lengths 12"–18"	20 each per box
Lengths 20"–28"	10 each per box

Specifications

Slide members and ball retainers: Cold rolled steel
Ball bearings: Carburized steel

RoHS compliant

NOTE: Specifications, materials, prices, terms, and delivery are subject to change without notice.

Accuride®

ACCURIDE INTERNATIONAL INC.
12311 Shoemaker Avenue
Santa Fe Springs, CA 90670
TEL (562) 903-0200
FAX (562) 903-0208
www.accuride.com

Manufacturing, Engineering, and Sales
United States • Germany • Japan • Mexico • United Kingdom • China

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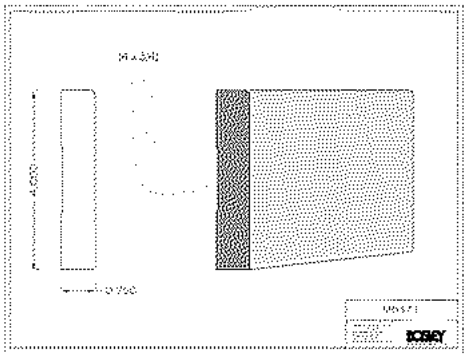
Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-003_WB-001-BM

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Wood Base
Item Type	Painted Hardwood Base
Description	Painted Hardwood Base
Manufacturer	Bosley Mouldings
Model	MB371
Dimensions	4"H x 3/4"Thick
Color	Painted SW9170 Acier
Finish	Semi-Gloss
Material Composition	Hardwood
CSI #	062000 - Finish Carpentry
Omniclass #	22-062000
Product	MB371
Finish	SW 9170, Semi-Gloss



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Bosley Moulding
Contact Name: Bosley Wright
Phone: (800) 638-5010
Email: bcbosley@comcast.net

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Connection Center
Flex
Lobby
Guest Laundry
Fitness Center

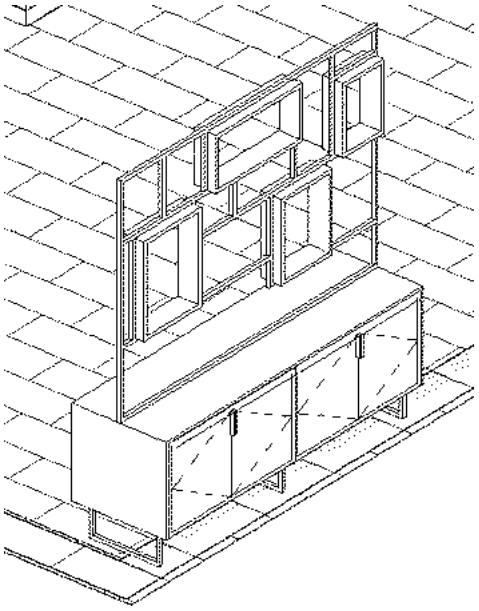
Hub Credenza_ML-004

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-004

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:



Item Name	Hub Credenza Millwork
Item Type	Public Millwork
Description	Plastic Laminate Clad Custom Millwork consisting of metal frame, metal legs, cabinets, shelves and countertops.
Manufacturer	R.B. Woodcraft, J. Suss Industries, MGroup; MillRock Casework
Model	Not Applicable
Dimensions	Refer to Design Guideline Drawings
Color	Refer to Design Guideline Drawings and Building Product Manual
Finish	Refer to Design Guideline Drawings and Building Product Manual
Material Composition	Cabinet to Door Interface shall be Frameless, Flush (Full) Overlay. Grain direction to be horizontal on doors, drawer fronts, knee space panels, aprons & end panels.
CSI #	12 32 16 - Manufactured Plastic Laminate Clad Casework
Omniclass #	22-12 32 16 - Manufactured Plastic Laminate Clad Casework
Grade	Lumber shall be in accordance with the AWS Grade specified for the product being fabricated. Moisture content shall be 6% to 12% for boards up to 2-inches nominal thickness, and shall not exceed 19% for thicker pieces.
Classification	Particle Board: ANSI A208.1, Mat-Formed Particle Board, Grade 1-M-2, with minimum density of 45 pcf. Internal bond of 60 psi, and minimum screw holding capacity of 225 lb. on faces and 200 lb. on edges. Hardboard: ANSI A135.4, Class 1, tempered. E. MDF: ANSI A208.2, Grade 130.
Acoustical Performance	Door & Drawer bumpers to be placed on all cabinet doors and drawers.
Best Practices	Use products with no urea-formaldehyde resins. Use adhesives with Low VOC content.
Quality Standards	Architectural Woodwork Standards (AWS)
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	N
Design & Construction	See attached specifications. All listed millwork must be manufactured in accordance with the attached specifications.
Lighting	Not Applicable
Plastic Laminate	Refer to Specifications within Building Product Manual

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Millwork Hardware	Refer to Specifications within Building Product Manual
Pattern/ Color	Refer to drawings for finishes. Review and approval of finish samples required prior to manufacturing.
Fabric Wrapped Panels	Not Applicable
Lead Time	TBD
Notes	1. Public Space Casework: Interior face of exposed cabinet units shall be Thermoset Decorative Overlay (melamine), to match door fronts as shown in the Design Guideline Drawings. a. Exposed & Semi-Exposed ends: Grade VGS plastic laminate or minimum 1mm thick PVC edge banding. Color to match exposed faces. 2. Top and Bottom Rails; and Sub-toe Boards: Not less than 3/4-inch particleboard faced with Grade VGS plastic laminate to match door and drawer fronts. Machine ends for wood-dowel or mechanical dowel fasteners to receive top, bottom, and back. Base ends to extend to floor. Finish exposed ends to match doors and doors and drawer fronts. 3. Unexposed Ends: Not less than 3/4-inch tempered hardboard; finished with Thermoset Decorative Overlay (Melamine). Attach to front frame in same manner as exposed ends. 4. Back Panels: Not less than 1/4-inch tempered hardboard or MDF; finished with Thermoset Decorative Overlay (Melamine). 5. Doors 48 Inches or Less in Height: 3/4 inch thick, Particle Board cores. Front faces to be Grade VGS plastic laminate overlay, and back faces to be Thermoset Decorative Overlay (melamine). Provide stop silencers at the top and bottom of all hinged doors. 6. Shelving (within cabinetry): Not less than 3/4" particle board with Thermoset Decorative Overlay (melamine) to match cabinet interior, PVC edge banding; adjustable at least every 1-1/2 inch; clear plastic [seismic] shelf clip pressed into 5mm holes bored in cabinet side. Fabricate base shelf to half depth. Exposed Fixed Shelving Units: Front faces to be Grade VGS plastic laminate overlay. 7. Filler Strips: Provide as needed to close spaces between cabinets and walls, ceilings, and indicated equipment. Fabricate from same material and with same finish as cabinets. Oversize for field cutting to suit field conditions and assure continuous enclosure of open spaces. Provide raw (unfinished) cleats at blind corners and appliance openings as required to support countertops, minimum 3/4-inch x 1-1/2 inch x 8 foot length, to be field cut and fit by the installer. 8. Base Cabinet Units: a. Base Cabinet Top Frames: 3/4-inch solid wood

with mortise and tenon or doweled connections, glued and pinned or screwed. Base Cabinet Stretchers: 3/4-by-4-1/2-inch plywood, Particle Board, or MDF strips or solid-wood boards at front and back of cabinet, glued and pinned or screwed.
b. Base Cabinet Stretchers may be provided as an option to base cabinet top frames.
c. Bottoms: Not less than 1/2-inch hardwood plywood faced with Thermoset Decorative Overlay (Melamine) to match door and drawer fronts, fully supported by and secured in rabbets in end panels, front frame, and back bottom rail.
d. Corner Blocks: Glued and fastened in each of four top corners to maintain cabinet squareness and rigidity.

SPECIAL INSTRUCTIONS

Architect / General Contractor to coordinate millwork with ceiling fixtures for ceiling anchors. Mount pulls vertically.

MANUFACTURER

Vendor Name: RB Woodcraft Inc
Contact Name: Drew Brooks
Phone: (315) 474-2429
Email: drewbrooks@rbwoodcraft.com

ALTERNATE MANUFACTURER 2

Vendor Name: J Suss Industry
Contact Name: Liane Alexander
Phone: (866) 769-5666
Email: liane@jsuss.com

ALTERNATE MANUFACTURER 3

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 4

Vendor Name: Millrock
Contact Name: Jared Jaudon
Phone: (540) 437-3458
Email: jjaudon@millrock.com

AREAS

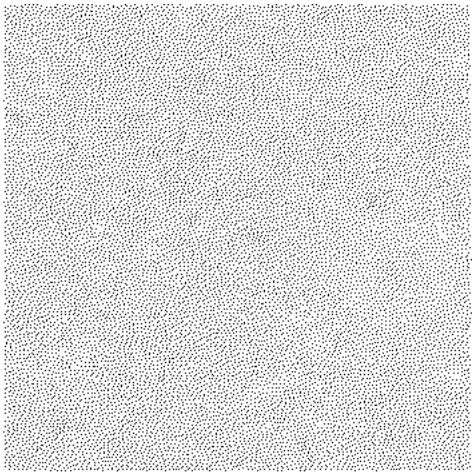
Hub

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-004_CT-001-BS

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Belstone
Model	Dodi
Dimensions	Refer to Design Guideline Drawings
Color	Demitasse
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Notes	Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 2

Vendor Name: MGroup
Contact Name: Drew Murray

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Public Restrooms

Phone: (706) 302-5590 Email: drew.murray@mgroupcorp.com	Elevator Lobby Hydration Station
ALTERNATE MANUFACTURER 3 Vendor Name: JG EDELEN CO INC Contact Name: Kelly Smith Phone: (410) 918-1200 Email: ksmith@jgedelen.com	
ALTERNATE MANUFACTURER 4 Vendor Name: Daltile Contact Name: Morgan Stephenson Phone: (214) 309-4531 Email: morgan.stephenson@daltile.com	

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-004_CT-001-DA

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Daltile
Model	One-Quartz
Dimensions	Refer to Design Guideline Drawings
Color	QQ20-Aspen Gray
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Thickness	2cm Unless Otherwise Noted. Refer to Details Eased Edge.
Notes	Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: Daltile
Contact Name: Morgan Stephenson
Phone: (214) 309-4531
Email: morgan.stephenson@daltile.com

AREAS

Hub
On Us
Buffet

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

ALTERNATE MANUFACTURER 2

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 3

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 4

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

Flex
Fitness Center
Employee Areas
Public Restrooms
Hydration Station
Lobby

ML-004_CT-001-DA

WALL | COUNTERTOPS

ONE QUARTZ SURFACES®

daltile®

ONE QUARTZ SURFACES®

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SLAB

USAGE

FLOOR

WALL

COUNTERTOP

SHOWER FLOOR

EXTERIOR FLOOR

SPECIAL FEATURES

STEPWISE

TRU-EDGE

MADE IN THE U.S.A.

LARGE FORMAT

MOSAIC/ DECO

ENCAUSTIC

TERRAZZO

PAVER

CUSTOMIZE

FLEXFIT™

Q

LOW HIGH

SEE CHARTS FOR FULL PRODUCT DETAILS

*MADE IN THE USA WITH IMPORTED MATERIAL.

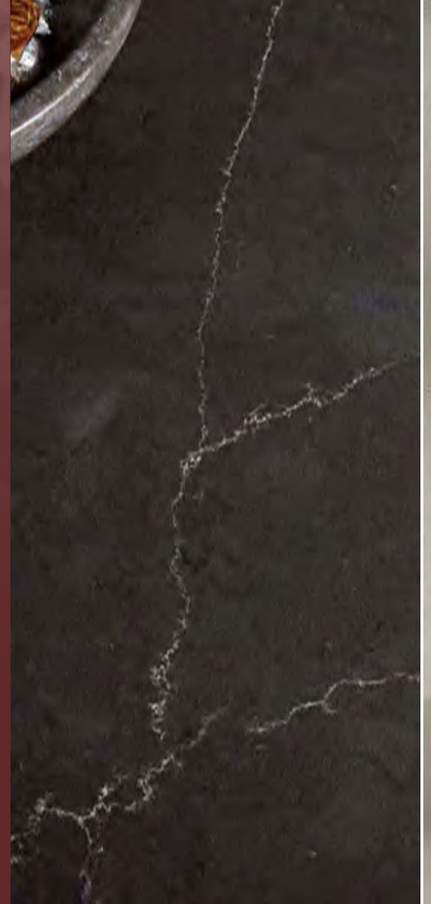
FROM NATURE CHIC – TO CITY SLEEK

With the ONE Quartz Surfaces® assortment, we've brought together the beauty of quartz and modern technology to create new and exciting possibilities. ONE Quartz Surfaces® gives you more design choices for your next project. The low maintenance and durability of ONE Quartz Surfaces® countertops make it perfect for any application, commercial or residential. Functional yet chic, that's what ONE Quartz Surfaces® is all about.

AVAILABLE IN:

Within these unique series, you'll have more selection than ever before.

- Marble Look
- Stone Look
- Concrete Look
- Monochromatic Look

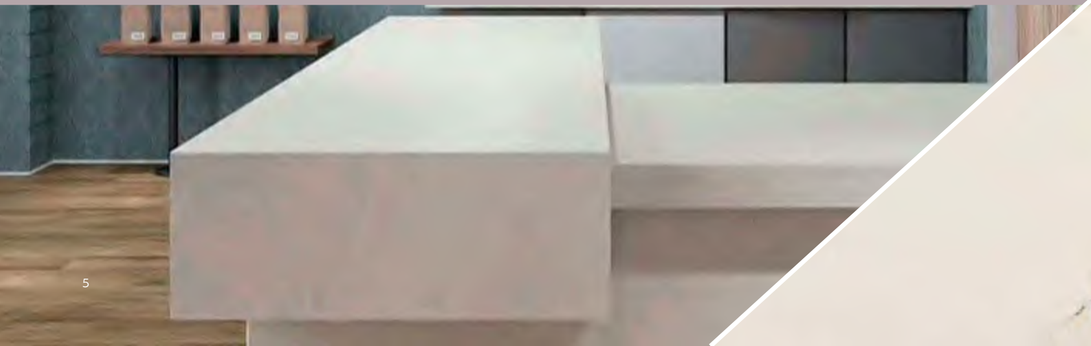


ML-004_CT-001-DA

MARBLE LOOK

Dazzle in design with charming details which embody the luxury of the finest marble. Create drama with striking vein patterns, or infuse tranquility with subtle marbling. This look allows you to create elegant styles with outstanding durability.

Made in the USA with imported material.



ML-004_CT-001-DA

RUSHMORE OQ41

FREEDOM CALACATTA OQ42

WASHINGTON OQ43

LIBERTY CALACATTA OQ44

LIBERTY GOLD OQ45

PATRIOCTIC CALACATTA OQ47

ML-004_CT-001-DA

INDEPENDENCE CALACATTA OQ48

STATUARY UNITY OQ53

STATUARY GLORY OQ52

WHITE STATUARY NQ12

CALACATTA NQ06

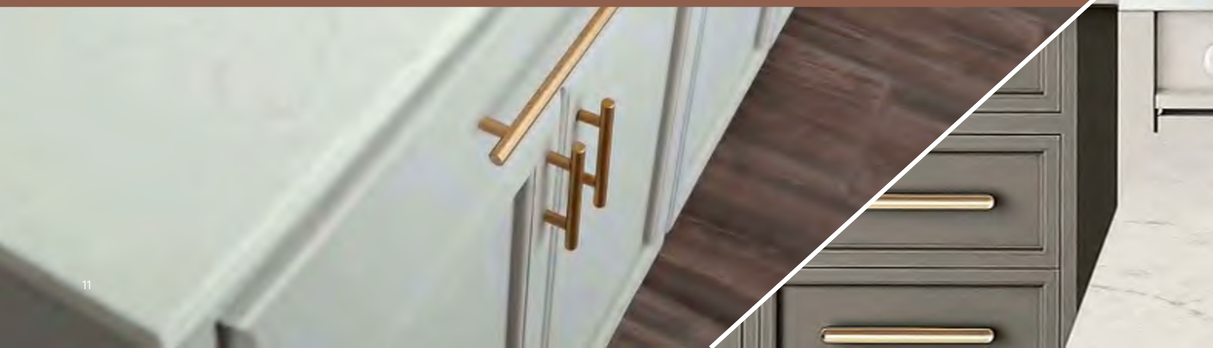
CARRARA VEIL OQ12

CARRARA AURA OQ09

BROADWAY BLACK OQ03
Also stocked in Leather finish

STONE LOOK

Enjoy the opulent beauty of stone with the benefits of extraordinary endurance. From travertine and limestone visuals, the many color choices are versatile for any design. Increase the style in your space with a majestic stone look.

Made in the USA with imported material.

ML-004_CT-001-DA

VALOR WHITE OQ55

CAPITOL BEIGE OQ57

NOBLE GREY OQ56

ARCHES OQ33

NIAGARA OQ32

ROCKY MOUNTAIN OQ34

GOLDEN GATE OQ37

JASMINE WHITE OQ27

ML-004_CT-001-DA

KODIAK OQ21

ASPEN GREY OQ20

WHITE SAND NQ97

ALMONDINE NQ36

EQUINOX OQ23

AVENUE WHITE OQ01
Also stocked in Leather finish

ALPINE WINTER OQ19

RIVERBANK NQ93

CONCRETE LOOK

Concrete features organic natural looks, bustling with city style and sophistication. Add an urban chic feel with looks that closely mimic the essence of poured concrete, while the smooth matte finish adds a touch of refinement.

Made in the USA with imported material.

ML-004_CT-001-DA

LINCOLN WHITE NQ59

ASH GREY NQ69
Also stocked in Honed finish

CABRINI GREY NQ51

MERCER GREY NQ52

LUDLOW TAN NQ55

COLUMBUS BROWN NQ56

CONCRETE GREY NQ87

MONOCHROMATIC LOOK

Infuse your space with the raw beauty of a monochromatic look. Choose from a speckled look with flecks of character or subdued solids for a more contemporary space. From the purest white to the blackest black, the opportunities are endless.

Made in the USA with imported material.

CHIPPED ICE NQ91

MORNING FROST NQ30

WOVEN WOOL NQ09

SIMPLY WHITE NQ76
ONE Quartz Basics

SIMPLY GREY OQ30
ONE Quartz Basics

SIMPLY BEIGE OQ29
ONE Quartz Basics

ML-004_CT-001-DA

WHITE ICE NQ90

FRESH LINENS NQ66

EVENING GREY NQ43

BRUSHED FLANNEL NQ60

MESA DUNE NQ89

METEOR SHOWER NQ25

PRODUCT **INFORMATION**

PRODUCT INFORMATION

Finishes	Actual Size		Thickness
	DOMESTIC COLORS	IMPORTED COLORS	
Polished	135-7/8" x 78-3/4" (345 cm x 200 cm)	Please reach out to local stone center for size details on all sourced products. Slab sizes vary.	1-1/4" (3 cm) & 3/4" (2 cm)

Custom slab finishes in semi-polished, honed and leather are available by special order.

Not all colors available in alternative finishes. Please contact your local slab center for availability.

			RESISTANCE						
	PRICE	STYLE	CHIPS	HEAT	STAIN	SCRATCHES	SEALING REQUIRED	MAINTENANCE	PROS
ONE QUARTZ SURFACES®	$$$	•••	•••	•••	•••	•••	NO	NO	Highly stain resistant Excellent for undermount sinks Engineered, so has consistent look Tons of colors to choose from

••• EXCELLENT
•• GOOD
• FAIR

Fifteen Year Limited Warranty, visit daltile.com for complete warranty details.♦

♦Sourced SKUS

Twenty Five Year Commercial Limited Warranty, visit daltile.com for complete warranty details.

Lifetime Residential Limited Warranty, visit daltile.com for complete warranty details.*

*Made in the U.S.A. with imported material.

MADE IN THE USA WITH IMPORTED MATERIAL.

To See Approved Colors, Please Check The Below Link:
info.nsf.org/Certified/Food/Listings.asp?Company=C0536133&Standard=051

PRODUCT **INFORMATION**

INSTALLATION

Grout Joint Recommendation	Shade Variation
Tile : 1/16"	Medium (V2)

APPLICATIONS

	Target DCOF wet	Suitable
Dry & Level – Interior Floor	N/A	
Wet & Level – Interior Floor	≥ 0.42	
Shower Floors (Residential or Light Commercial)	≥ 0.42	
Exterior Floor Applications (including pool decking & other wet areas with minimal footwear)	≥ 0.60	
Ramps & Inclines	≥ 0.65	
Walls/Backsplashes	N/A	✓
Countertops	N/A	✓
Pool Linings	N/A	

ONE Quartz Surfaces do not meet minimum coefficient of friction thresholds recommended by safety standard-setting organizations. Water, oil, grease, etc., create slippery conditions. Floor applications with exposure to these conditions require extra caution in product selection.

Quartz not suitable for exterior applications due to small resin content. The sun will etch the material.

SLAB PERFORMANCE CHARACTERISTICS

	Test Method	Average Result*
Abrasion Wear Index	ASTM C501	≥ 135
Bulk Specific Gravity	ASTM C97	≤ 2500 kg / cubic meter
Chemical Resistance	ASTM C650	Resistant to typical household cleaners
Coefficient of Thermal Expansion	ASTM C531	≤ 4.0 • 10^{-5} °C^{-1}
Flexural Strength	ASTM C880	≥ 35 MPa
Water Absorption	ASTM C97	≤ 0.10%
Scratch Resistance (Mohs Hardness)	ASTM C1895	≥ 5
Stain Resistance	ANSI Z124.6	Pass
Thermal Shock Resistance	ASTM C484	Pass – No Effect

* Custom testing results by color are available upon request.

NOTES

ONE Quartz Surfaces products are nonporous, reducing the potential for bacteria growth, resist common food stains and are stronger than natural granite.

ONE Quartz Surfaces products are virtually maintenance free.

ONE Quartz Surfaces products contain natural quartz stone providing consistent color and visual movement. A wide range of color options allow for more design freedom.

ONE Quartz Surfaces products have a durable, scratch-resistant surface.

ONE Quartz Surfaces products are heat and scorch-resistant under normal cooking conditions (use of a trivet is recommended for longer or extreme heat exposure).

Visit daltile.com/countertops-product-category/one-quartz for additional polished, semi-polished, honed and leather finish details.

Twenty-Five year limited warranty. Visit daltile.com/countertops-product-category/one-quartz or details.

Fifteen-year limited warranty on imported materials.
Visit daltile.com/countertops-product-category/one-quartz for details.

White thin-set or mortar is recommended for the lighter colors of ONE Quartz Surfaces tiles.

WARNING: This product can expose you to chemicals known to the State of California to cause cancer, including crystalline Silica (airborne particles of respirable size) in dust created if the product is dry cut/ground/polished or pulverized during fabrication/installation/removal. For more information, go to www.P65Warnings.ca.gov.

For information refer to "Factors to Consider" at daltile.com/Factors.

DIMENSIONAL **STONE**

QUARTZ TAKES ON A WHOLE NEW DIMENSION

Our Dimensional team offers complete cut to size projects imported directly to the jobsite. Brought to you by the experts at Daltile®.

FORGET ONE-SIZE-FITS-ALL.

Or shape, for that matter. Our Dimensional program offers procurement, fabrication, and delivery for any project-all executed to your specifications.

Our team will help you identify exactly what you need to bring your vision to reality. Acting as a dedicated project manager, they'll walk you through every step, from inception to completion. Ask about our quantity survey, shop drawing and cutting ticket services!

LEAVE YOUR LIMITS BEHIND.

In addition to our standard product offering, we can also match most any color pallet. The experts at Daltile won't hesitate to make sure your project takes shape with complete coordination and precision.

STEP-BY-STEP

CUSTOM CUT TO YOUR SPECS. ON YOUR TERMS.

- We provide a digital take-off to identify the project scope, which includes materials, size, quantity, and edge treatment.
- You'll receive samples and pricing - we'll also provide support during the bid process to help determine the right material for the right location.
- Then you'll review CAD-generated shop tickets for confirmation that your goals are achieved.
- Now, your stone can be fabricated, delivered on time, within sequence, and ready to install.
- Each project is reviewed by an independent Daltile inspector. They ensure that color, size, calibration, and packaging meets your requirements prior to shipment.

LET US HANDLE ALL THE DETAILS

Contact your local Daltile Architectural Representative, Sales Representative or visit daltile.com to get started.

TECHNICAL **DATA**

QUALITY QUARTZ SURFACE

Test Items	Test Methods	Result
Absorption by Weight	ASTM C97/C97M-09	0.06%
Density	ASTM C97/C97M-09	148 lbs/ft^3
Abrasion Resistance	ASTM C241/C241M-13	47
Flexural Strength	ASTM C880/C880M-09	"dry" 34.9 Mpa "wet" 37.5 Mpa
Compressive Strength	ASTM C170/C170M-14	"dry" 192 Mpa "wet" 185 Mpa
Breaking Strength	ASTM C 648-09	5100 N
Thermal Expansion	ASTM C531-00(2012)	30.9 × 10^{-6}/°C
Chemical Resistance	ASTM C650-04(2009)	Not Affected
Abrasion Wear Index	ASTM C501-84(2009)	Wear Index: 136

TECHNICAL SPECIFICATION

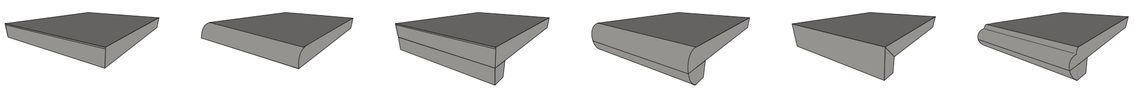
Quartz is one of nature's hardest minerals. Our surfaces are composed of 93% quartz, and are therefore designed to last.

In a unique Daltile process, we take the innate strength of quartz and combine it with numerous polymers and dashes of pigments. The result: A range of durable and beautiful quartz surfaces in a wide variety of colors and finishes.

100% Engineered Stone | **Non Porous** | **Easy to Clean** | **Low Maintenance** | **Shock Resistant** | **Stain Resistant** * | **Scratch Resistant** | **Everlasting Sheen** | **Modern Collection of Colors**

* Only West Village Series

EDGES FOR QUARTZ



EASED
Traditional Edge

DEMI BULLNOSE
Added Movement

LAMINATED
Economically Bold

BULLNOSE LAMINATED
Safe and Modern

MITERED
Seamless Depth

OGEE LAMINATED
Elegance in Curves

ONE **QUARTZ®** FAQ

QUARTZ IS A VERSATILE, DURABLE MATERIAL THAT'S AVAILABLE IN A WIDE RANGE OF COLORS AND STYLES. Also known as engineered stone, quartz is made from a combination of resin and natural quartz crystals. The natural crystals in quartz countertops make each surface unique, while resin gives the material its durability and resistance to everyday wear and tear. Because quartz is a man-made product, this material can be tinted and shaped in a wide variety of ways. Unique colors, edge treatments, inlays and other style accents add to the aesthetic appeal of this product.

In general, engineered stone is less expensive than naturally sourced materials after installation, sealing and maintenance are considered. The exceptional strength, durability and aesthetic appeal of quartz make this product a popular alternative to granite, a stone known for its lasting beauty. In addition, quartz is remarkably easy to maintain.

IS QUARTZ A SAFE COUNTERTOP MATERIAL?

Quartz, or engineered stone, is highly resistant to the routine wear and tear of daily life. Because quartz is made from a tough combination of natural crystals and resin, this product is very durable and long lasting. Quartz is a safe material for bathroom, kitchen or office countertops, but standard precautions must be taken to protect this man-made material from damage and prevent fading of your quartz countertop colors.

Although quartz countertops are resistant to scratches, dents, scuffs, burns and stains, these surfaces can be damaged when exposed to heat or to certain chemicals or tools. Gentle cleaning with a mild detergent and water is all that's required to maintain these surfaces. To keep your quartz countertops safe from damage, take care not to expose them to harsh chemicals, permanent dyes or inks, abrasive cleansers, direct heat or knives and other metal tools.

WHAT COLORS DO QUARTZ COUNTERTOPS COME IN?

Quartz countertops come in a broad spectrum of colors and patterns, from cool pastels to rich, dark tones. Quartz is a man-made material that combines the strength and durability of resin with distinctive of natural quartz crystals. This material can be tinted in a nearly unlimited range of shades to match any interior color scheme. Whether you're decorating a kitchen in warm earth tones or remodeling a bathroom with pink and white surfaces, you can find a shade that complements your decor and any living space.

QUARTZ COLORS AND TREATMENTS

Quartz is an extremely versatile material, which can be tinted, treated or shaped to accommodate almost any homeowner's tastes. When you're shopping for quartz countertops, choosing the perfect color may be challenging. With so many different shades to choose from, it can be difficult to make a decision with confidence. A knowledgeable provider should be able to help you with this stage of the process by giving you a comprehensive overview of your choices and making suggestions for shades that will complement your design.

When it comes to designing a quartz countertop, you aren't limited to traditional, squared edge treatments. There are a number of different edge treatments to choose from, with beveled or rounded styles. Inlays add a touch of elegance to a countertop surface by accenting the contours of the counter. These unique treatments take a countertop a step beyond the ordinary and give your kitchen or bathroom an extra touch of style.

CHOOSING COLORS FOR YOUR COUNTERTOPS

The color of your quartz countertops can make a big difference in the visual dimensions of your kitchen or bathroom. Light colors will create a sense of space, enlarging the room visually. If you have a small kitchen or bath, quartz countertops in white, cream, beige or gray may be preferable to darker, richer tones. In a larger kitchen or a game room, a dark gray, brown or dramatic black surface can add style and elegance to your interior.

The colors you select will affect a room's atmosphere and character. If you're decorating a professional office, a black or charcoal quartz countertop can give your decor a sense of dignity and stability. In a master bathroom, a rich gold or beige creates a look of luxury. The colors of quartz countertops may be variegated with flecks or swirls of various colors that give your countertops the natural appearance of stone.

Most manufacturers come out with new color series on a regular basis. Although the latest trends may be appealing, choose a color that will stand the test of time to get the most value.

QUARTZ IN KITCHENS AND BATHROOMS

Quartz is a non-porous material that does not require a sealant to protect the surface against dirt, moisture or germs. The polymers used to manufacture quartz make the surfaces extremely sturdy and durable. In the kitchen, quartz countertops are resistant to ordinary contact with metal, ceramic, glass or other materials commonly used in cookware. However, quartz countertops should not be scraped with metal tools. When you're cutting food, use a cutting board rather than cutting or slicing directly onto a quartz surface.

In the kitchen, protecting food from exposure to bacteria is a big concern. Quartz countertops are non-porous, meaning that these surfaces are continuous and smooth and do not have any tiny openings in the surface. Unlike wood and some forms of stone, quartz will not absorb water or other liquids. Bacteria have no place to grow on a quartz surface, as long as it's wiped clean after preparing food. Use a cutting board made of marble or another non porous material to avoid scratching your countertops.

Germs tend to collect in bathrooms as well as kitchens. The moisture and warmth that gather in the bathroom make it a breeding ground for bacteria, mold and mildew. A sink or vanity topped with quartz offers protection against bacterial growth as well as longevity and beauty. With regular cleaning, quartz countertops keep bathrooms sanitary by discouraging the growth of bacteria, mold and mildew. When cleaning quartz countertops, do not use bleach or other harsh or abrasive cleansers. Bleach may discolor or damage a quartz counter.

ONE **QUARTZ®** FAQ

FINAL CONSIDERATIONS

When you're shopping for quartz countertops, you'll soon find that you have many choices in style and color. Because quartz countertops are man-made, this material can be manufactured in nearly any color. You can choose from a wide range of countertop edge treatments, from traditional rounded or cornered styles to more dramatic looks.

The cost and performance of quartz countertops increases their appeal to homeowners who are looking for resilience and aesthetic value at a competitive price to other alternatives. As you search for quartz countertops, look for a reliable provider with a reputation for quality craftsmanship. Because the supplier you choose may also install the product, it's important to review the quality of the company's labor as well as the quality of its products before you make this important investment.

WHAT MAINTENANCE IS REQUIRED FOR QUARTZ COUNTERTOPS?

Low maintenance requirements make quartz countertops appealing to many homeowners. Quartz countertops are manufactured with a combination of hard quartz crystals and durable resin polymers that make them extremely resilient. In addition, the leading manufacturers provide a 10 to 15 year limited warranty that covers manufacturer's defects. Routine care and cleaning is very simple, and with basic precautions to prevent stains, dents or scratches, safe quartz countertops can lend beauty and a sense of permanence to a home for decades.

Manufacturer's warranties will not cover damages caused by the owner's use of the product unless damage is linked to an error made by the company. Your quartz countertops must be installed by a professional contractor in order to be covered by the warranty, in most cases. Follow the manufacturer's specific recommendations for maintaining your new countertops to get the maximum value from this investment.

ROUTINE CARE AND CLEANING

With the right care, quartz countertops can lend aesthetic appeal to your kitchen, bathroom or office for years. Quartz can be cleaned easily with a mild detergent, water and a soft cloth or paper towel. Abrasive cleansers or harsh scouring pads and cleansers that contain bleach should not be used with quartz. Engineered stone surfaces do not require polishing to keep them shiny and smooth, but they should be cleaned gently to maintain their distinctive shine.

A rounded plastic knife should be used to remove dried foods or liquids on a quartz surface. Dried paint or grease can be gently scraped away with a plastic knife. Avoid using metal knives and utensils directly on the countertop, as metal may scratch the quartz.

Grease from cooking is a concern in many kitchens. To remove grease from your quartz countertops, use a product recommended by your manufacturer. Harsh cleansers should not be used to remove grease or other cooking stains. Gently scrape away hardened grease with a plastic knife before applying cleanser.

PREVENTING STAINS AND SCRATCHES

While quartz countertops are resistant to scratches, scuffs, dents, stains and burns, these surfaces are not damage-proof. Homeowners must take care to avoid exposing quartz countertops to permanent inks, markers or dyes, as these substances may not be removable. If a countertop is marked by a permanent marker or dye, rinse the area with water as soon as possible, then apply a cleansing product approved by the manufacturer if the stain is still visible. Clean the area again with water after applying the cleanser.

Turpentine and other paint stripping products may damage or discolor a quartz surface. To be on the safe side, avoid exposing quartz to any strong chemicals or solvents unless your manufacturer recommends them for use in removing stubborn stains or hardened grease. If exposure to a potentially harmful chemical solvent occurs, clean the area with water immediately.

Quartz countertops can be damaged by direct exposure to heat. When cooking, use trivets or heating pads to guard the countertop surface against direct exposure to hot cookware or coffee pots. Although quartz is resistant to stains from juice, wine, coffee and other food substances, it is best to wipe up spills immediately to prevent possible stains. When chopping vegetables, slicing bread or preparing other foods with sharp utensils, use a cutting board to prevent scratches.

Very little maintenance is required for quartz countertops. This engineered product does not require sealants, and its non-porous surface makes it a durable, sanitary option for kitchens or bathrooms. To ensure that you get the most life from your countertops and that your warranty covers any unexpected damages, follow the manufacturer's instructions for care and quartz countertop maintenance.

PROTECTING QUARTZ SURFACES

Quartz countertops can stand up to a lot of wear and tear, but they shouldn't be exposed to excessive impact or harsh chemicals. In the kitchen, use hot pads or trivets on your countertops to prevent hot skillets or pots from making contact with quartz surfaces. In the bathroom, curling irons and other heated appliances shouldn't be left sitting on sinks or vanities.

Although quartz is non porous and resists stains, liquid spills should be wiped up promptly. Coffee, wine, vinegar, lemon juice and other liquids should not be allowed to sit on a quartz countertop for long periods of time. If permanent dye or ink is spilled on the counter, rinse the area promptly with water, then use a cleanser approved by the manufacturer for removing permanent stains. If you need to scrape dried food or paint or hardened grease off a quartz countertop, use a rounded plastic utensil, like a putty knife.

To get the maximum use from this investment, choose quartz countertops that are covered by a warranty. A manufacturer's warranty will replace or repair a countertop if it shows evidence of a manufacturer's defect. With a reliable warranty and proper care, quartz is a safe countertop material.

PHOTOGRAPHY INDEX

COVER PHOTO

Independence Calacatta on the countertop.

PAGES 3-4 (LEFT TO RIGHT)

West Village Series Broadway Black on the countertop.

West Village Series Astor Grey on the countertop & backsplash.

West Village Series Barclay Tan on the countertop.

PAGE 5-6 (LEFT TO RIGHT)

Noble Grey on the countertop.

Patriotic Calacatta on the countertop.

PAGE 11-12 (LEFT TO RIGHT)

Avenue White on the countertop.

Valor White on the counter and backsplash.

PAGE 17-18 (LEFT TO RIGHT)

Carrara Aura on the bottom counter block.

Broadway Black on the top counter block.

PAGES 21-22 (LEFT TO RIGHT)

White Ice on the countertop.

Chipped Ice on the countertop.

Daltile | 7834 C.F. Hawn Freeway | Dallas, Texas 75217 | 214.398.1411 | 800.933.TILE
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Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-004_CT-001-JG

Real Living Decor Package

Issue Date: Nov 23, 2022
Revision Date:

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	JG Edelen
Model	EHS-836
Dimensions	Refer to Design Guideline Drawings
Color	Goldfield
Finish	Polished Straight Edge
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Finish	Polished Straight Edge
Notes	Refer to drawings for edge profile Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

Label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

AREAS

Hub
On Us
Buffet

ALTERNATE MANUFACTURER 2

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 3

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 4

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

Flex
Fitness Center
Employee Areas
Public Restrooms
Hydration Station

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-004_CT-001-MG

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Mgroup
Model	UltraCera
Dimensions	2cm
Color	Kachine Peak - 3007
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Notes	Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

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MANUFACTURER

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 2

Vendor Name: Belstone

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 3

Vendor Name: Designer Tile & Stone
Contact Name: Timi Mustapha
Phone: 301.325.1981
Email: timi@designertilestone.com

ALTERNATE MANUFACTURER 4

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

Public Restrooms
Elevator Lobby
Hydration Station

KACHINA PEAK- 30(

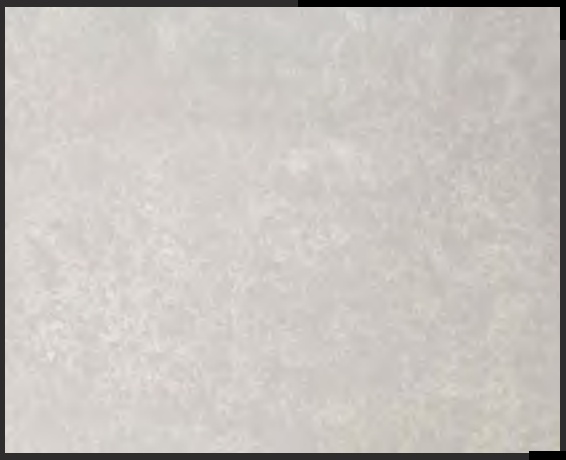
GROUP

ULTRACERA®
NextGeneration Composite Ecosurface

TECHNICAL SPECIFICATIOI

COMPRESSIVE STRENGTH (DRY): (ASTM C17(17) 256 Mp
DENSITY: (ASTM C9 18 2400) kg/m
WATER ABSORPTION: (ASTM C9 18) 0.03
THICKNESS: Standard 2cm or 3cm. Custom Availab
ABRASION RESISTANCE: (ASTM C241-15) 4
MOHS HARDNESS: (EN 15771) Averages
STAIN RESISTANCE: (ANSI Z124.6-07) Pa
CHEMICAL RESISTANCE: (ASTM C650) Not Affecte
FLEXURAL STRENGTH (DRY): (ASTM C88(14) 48.5Mp
THERMAL SHOCK RESISTANCE: (ASTM C484) No Defe
MODULUS OF RUPTURE: (ASTM C99) 3
FINISH: Polished Standard (level 6000 availabl
EDGE: Eased Standard—Fully Customizable Fabricatic
FIRE RATING: (ASTM E84) Class

KACHINA PEA



*SAMPLE IMAGE FOR REFERENCE ONL

APPLICATIO

Vanity Top
Kitchen Top
Window S
Desk Top
Dresser Top
Threshol
Wall Claddir

NOTI

Patent Pendir
0% Acrylic Solid Surfac
Non-Silica Based Produ
For More Information On What UltraCera® Is, And What It Is Not: Please Visit UltraCeraTops.co
Herein Are Subject To Change Without Notice Due To Constant Product And Engineering Improvement

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-004_CT-001-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Wilsonart International, Inc.
Model	Q4007
Dimensions	3/4" Thick
Color	Duomo
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Fire/Smoke Rating	ASTM E84 Class 1 (NFPA Class A) FS-25 or less.
Structural Performance	Mohs Hardness Scale: 6 to 6.5. Density: Not less than 2 g/cm3 when tested per ASTM C97.
Thermal Performance	Thermal shock: Pass 5 cycles, tested per ASTM C484.
Best Practices	UL Greenguard certified
Quality Standards	NSF/ANSI 51 Certified. Stain resistance: Passes ANSI Z124.6. Water absorption: Maximum 0.04 percent, tested per ASTM C97. Chemical resistance: Not Affected when tested per ASTM C650.
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	N
Thickness	3/4"
Finish	Polished
Warranty	One (1) year minimum warranty against defects in materials and workmanship. Commercial Lifetime warranty
Notes	Refer to drawings for edge profile. Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

1981; timi@designertilestone.com;
www.designertilestone.com

SPECIAL INSTRUCTIONS

Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2'-0" apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

ALTERNATE MANUFACTURER 3

Vendor Name: Designer Tile & Stone
Contact Name: Timi Mustapha
Phone: 301.325.1981
Email: timi@designertilestone.com

ALTERNATE MANUFACTURER 4

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Public Restrooms
Elevator Lobby
Hydration Station

TECHNICAL DATA
Wilsonart® Quartz

Wilsonart
2501 Wilsonart Drive
P.O. Box 6110
Temple, TX 76503-6110

1. Distributor

Wilsonart LLC
2501 Wilsonart Drive
P.O. Box 6110
Temple, Texas 76503-6110
Toll-Free: 800-433-3222
Website: www.wilsonart.com

2. Product Descriptions

Product Composition

Wilsonart® Quartz is manufactured with up to 93 percent high quality natural quartz crystals, high quality polyester binders, and proprietary coloring agents that are homogeneous, with uniform color throughout their thickness.

Basic Limitations

Wilsonart® Quartz is designed for interior use only, ideal for residential and commercial applications. Wilsonart Quartz is a solid, non-porous, highly durable surface and resistant to scratching, staining, and water absorption and is virtually maintenance free.

Fabrication

Refer to the Wilsonart Quartz Fabrication Manual or contact a Wilsonart® Quartz Fabricator or Distributor for details.

Colors and Finishes

Wilsonart® Quartz has created a wide array of colors. Wilsonart Quartz is available in a polished finish.
Glossometer reading: >45

Sheet Dimensions:

	Wilsonart® Quartz Standard Size
Available Sizes	120” (306 cm) x 55” (140 cm), 120” (306 cm) x 63” (160 cm), 126” (320 cm) x 63” (160 cm), 130” (330 cm) x 65” (166 cm)
Thickness	Product Type 062 = 0.79" (2 cm) ± 0.060"(0.15 cm)
Thickness	Product Type 063 = 1.18" (3 cm) ± 0.060"(0.15 cm)
Approximate Weight	Product Type 062 = 10 lbs./ft^2 (2 cm)
Approximate Weight	Product Type 063 = 15 lbs./ft^2 (3 cm)

* Please consult Wilsonart® Quartz Design Library on www.wilsonart.com for available slab sizes by pattern

Physical Properties

Test Description	**Typical Results**	**Test**
Flexural Strength (psi)	>6,000	ASTM D 790
	31 - 75	EN14617-2
Thermal Expansion Coefficient	16 x 10^{-6} - 20.8 x 10^{-6*}	EN14617-11
Impact Resistance	3.4 – 7.35	EN14617-9
Stain Resistance	No Effect	EN14617-10
High Temperature Heat Resistance	No Effect to Slight Effect	ISO 4586
Chemical Resistance (acids and bases)	C4	EN14617-10
Abrasion Resistance	>100	ASTM C501
	23.6 – 27.5	EN14617-4

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Density (g/cm^3)	>2.1	ASTM C97
Compressive Strength (One Axis – Dry) (psi)	>20,000	ASTM C170
Moisture Absorption	<0.03	ASTM C97
	<0.03	EN14617-1
Freeze and Thaw Resistance	0.999	EN14617-5
Fire Behavior	Class 1/A Rating	ASTM E 84

**Test results vary slightly depending on pattern.*
The information contained in this section is based on technical data which Wilsonart LLC believes to be reliable, and is intended for use by persons having knowledge of this technical area at their own discretion.

Certifications
Wilsonart® Quartz is UL GREENGUARD Standard and Gold Standard Certified for low chemical emissions.
NSF 51 Food Zone and FDA food contact compliant.
Wilsonart Quartz is Kosher certified under the Kashruth Division of the Orthodox Union.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Quartz per ISO 4586-2 Method 31 (B)
No effect was exhibited except as noted (* or **) on the following:

1. Beckart Environmental (Stabilized Chlorine Dioxide Mixed with Water at 3000ppm)
2. Benefect® *
3. Claire® Germicidal Cleaner (Country Fresh Scent) **
4. Claire® Disinfectant Spray Q (Country Fresh Scent) **
5. Clean Republic – All Purpose Everyday Cleaner (Hypochlorous Acid – 0.003% Solution)
6. Clorox® Anywhere® Hard Surface Sanitizing Spray *
7. Clorox® Clean-Up (Cleaner & Bleach)
8. Clorox® Disinfecting Bleach w/6% Sodium Hypochlorite (24:1/Water:Bleach)
9. Clorox® Disinfecting Spray
10. Clorox® Disinfecting Wipes
11. Clorox Healthcare® Bleach Germicidal Cleaner *
12. Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant *
13. Clorox Healthcare® Fuzion® Cleaner Disinfectant *
14. Clorox Healthcare® VersaSure® Cleaner Disinfectant Wipes
15. Clorox® Total 360 Disinfectant Cleaner
16. Diversey™ Expose® II 256 *
17. Diversey™ Oxivir 1 *
18. Diversey™ Oxivir Tb Wipes *
19. Diversey™ Stride® Floral Neutral Cleaner
20. Diversey™ Virex® II 256 *
21. Fabuloso® Complete (Multi-Purpose Cleaner)
22. Lysol® Professional Disinfectant Spray
23. Microban® 24 Hour (Multi-Purpose Cleaner)
24. PDI Sani-Prime® Germicidal Spray
25. PDI Super Sani-Cloth® Germicidal Disposable Wipes
26. PURELL® Advanced Hand Sanitizer Gel *
27. Purell® Food Service Surface Sanitizer *
28. Purell® Professional Surface Disinfectant *
29. Purell® Healthcare Surface Disinfectant *
30. Simple Green® Concentrated (All-Purpose Cleaner)
31. Spic and Span® Everyday (Antibacterial Cleaner)

Test procedure: Listed materials were placed in contact with Wilsonart® Quartz surface under 1" (25.4mm) diameter watch cover glass for 16 hours duration prior to evaluation for effect. The branded cleaners and sanitizers listed above were cleaned with water only.

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* Causes slight change of gloss or color.
** Causes slight damage, with degree of damage proportionate to length of exposure and concentration.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Quartz per BIFMA HCF 8.1-2014 (Section 6 / Modified)
No effect was exhibited except as noted (* or **) on the following:

1. Beckart Environmental, Inc. (Stabilized Chlorine Dioxide Mixed with Water at 3000ppm)
2. Benefect®
3. Claire® Germicidal Cleaner (Country Fresh Scent)
4. Claire® Disinfectant Spray Q (Country Fresh Scent)
5. Clean Republic – All Purpose Everyday Cleaner (Hypochlorous Acid – 0.003% Solution)
6. Clorox® Anywhere® Hard Surface Sanitizing Spray
7. Clorox® Clean-Up (Cleaner & Bleach)
8. Clorox® Disinfecting Bleach w/6% Sodium Hypochlorite (24:1/Water:Bleach)
9. Clorox® Disinfecting Spray
10. Clorox® Disinfecting Wipes
11. Clorox Healthcare® Bleach Germicidal Cleaner
12. Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant *
13. Clorox Healthcare® Fuzion® Cleaner Disinfectant
14. Clorox Healthcare® VersaSure® Cleaner Disinfectant Wipes
15. Clorox® Total 360 Disinfectant Cleaner
16. Diversey™ Expose II 256
17. Diversey™ Oxivir 1 *
18. Diversey™ Stride® Floral Neutral Cleaner
19. Diversey™ Tb Wipes *
20. Diversey™ Virex II 256
21. Fabuloso® Complete (Multi-Purpose Cleaner)
22. Lysol® Professional Disinfectant Spray
23. Microban® 24 Hour (Multi-Purpose Cleaner)
24. PDI Sani-Prime® Germicidal Spray
25. PDI Super Sani-Cloth® Germicidal Disposable Wipes
26. PURELL® Advanced Hand Sanitizer Gel
27. Purell® Food Service Surface Sanitizer
28. Purell® Professional Surface Disinfectant
29. Purell® Healthcare Surface Disinfectant
30. Simple Green® Concentrated (All-Purpose Cleaner)
31. Spic and Span® Everyday (Antibacterial Cleaner)

Test procedure: Listed reagent materials were placed in contact with Wilsonart® Quartz surface with a one-inch square 100% cotton cloth completely saturated and covered with a 2” (50.8mm) diameter watch cover glass for 15 minute duration. The reagents listed above were removed with clean cloth and the area was then cleaned with clean cloth and distilled water only. The surface area was allowed to dry for 1-hour prior to evaluation for effect.
* Causes slight change of gloss or color.
** Causes slight damage, with degree of damage proportionate to length of exposure and concentration.

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3. Care and Maintenance

4. Warranty

5. **Customer Service**
   For samples, literature, questions, technical assistance, or warranty information, please contact our toll-free Hotline at (800) 433-3222, Monday through Friday, 8 am – 5 pm CST, or visit our website at www.wilsonart.com.

Quartz Tech Data
Revised: July 9, 2020
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Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-004_LA-0016-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Plastic Laminate
Item Type	Thermally Fused Laminate (TFL)
Description	Thermally Fused Melamine
Manufacturer	Wilsonart
Model	N/A
Dimensions	Standard panels are 49 and 61 inches. Standard panel lenth is 97 inches.
Color	Gray 1500-60
Finish	Matte
Material Composition	Laminate Composition: Melamine saturated decorative layers thermally fused to both core face surfaces with heat and pressure. Stain resistant surface with wear and scratch resistance.
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023 - Interior Architectural Woodwork
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Thermally Fused Laminate/1500-60 Gray
Warranty	1 Year
Notes	Panel Core Material: Composite panel product composed primarily of cellulosic materials and a bonding system, resulting in a durable and dimensionally stable substrate suitable for decorative laminate overlays. Panel core material can be particleboard or medium density fiberboard.

SPECIAL INSTRUCTIONS

All substrates should be sanded smooth, and should be clean and free of oil or grease, and uniform in thickness.

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

AREAS

Welcome Desk
Hub
On Us
Buffet
Flex

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

ALTERNATE MANUFACTURER 3	Fitness Center Employee Areas Elevator Lobby Administration Lobby
ALTERNATE MANUFACTURER 4	

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-004_LA-002-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Plastic Laminate
Item Type	Type 107 General Purpose (HGS) Laminate
Description	General purpose laminate product
Manufacturer	Wilsonart
Model	#7850-12
Dimensions	0.045" Plus Minus 0.005" Thickness, Standard Sheet Widths 36", 48", 60" x Standard Sheet Lengths 96", 120", 144"
Color	Beigewood
Finish	SoftGrain
Material Composition	Melamine impregnated deccorative surface papers combined with fire retardant phenolic treated kraft paper
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023 - Interior Architectural Woodwork
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Beigewood 7850-12
Warranty	1 Year
Notes	Recommended substrates for laminates are Particleboard, Medium Density Fiberboard (MDF) or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates.

SPECIAL INSTRUCTIONS

1. Run grain direction vertically unless noted otherwise.
2. PVC Edgebanding:
a. Exposed Ends: Grade VGS plastic laminate or minimum 0.030-inch thick PVC edge banding. Color to match exposed faces.
b. Semi-exposed Ends; Grade VGS plastic laminate or minimum 0.030-inch thick PVC edge banding. Color to match exposed faces.
3. Melamine at all vertical surfaces/HPL at all horizontal surfaces
4. Elevator Interior Cab: Materials shall comply with NEMA LD-3
a. Fire-Retardant Treated Particleboard Panels : Minimum ½-inch thick backup for plastic laminate veneered panels, provided with suitable anti-warp backing; to meet ASTM E84 Class “A” rating with flame-spread rating of 25 or less.

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ML-004_LA-002-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk
In-A-Pinch
Connection Center
Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Public Restrooms
Elevator Lobby
Administration
Lobby
Breakfast

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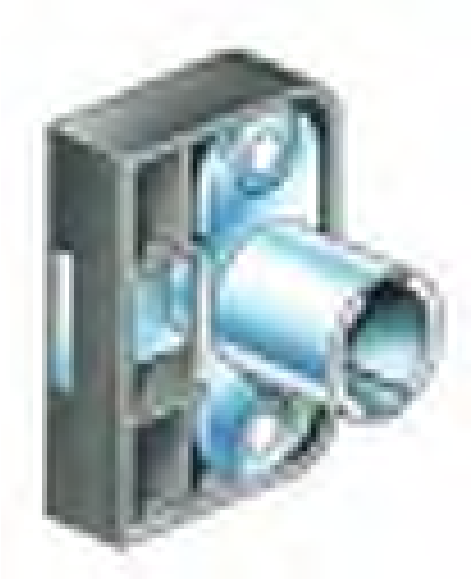
ML-004_MH-002-CX

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Door Locks
Item Type	Locks
Description	Cabinet Lock for Doors
Manufacturer	CompX-Timberline
Model	290 Series
Finish	Satin Nickel
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Screw/Nail	As recommended by Manufacturer
Finish	US15
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.
Notes	Use C700LP-15 Plugs https://tinyurl.com/2s3jxrad



SPECIAL INSTRUCTIONS

All locks in the same component to be on the same key, unless noted otherwise. Other millwork items on the hotel property with locks shall be keyed separately. Ensure master key is different at each hotel in the system.

MANUFACTURER

Vendor Name: CompX-Timberline
Contact Name:
Phone: 847.752.2600
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk
Hub
On Us
Buffet
Elevator Lobby
Administration

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ML-004_MH-003-GR

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Concealed Hinges
Item Type	Hinges
Description	Concealed Hinges for Cabinet Doors
Manufacturer	Grass America
Model	Tiomos 110 Overlay, Half Overlay or Inset
Finish	Nickel Plated
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Screw/Nail	As recommended by Manufacturer
Finish	US15
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.
Notes	Use soft close hinges. https://tinyurl.com/2ubsjany

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Grass America
Contact Name:
Phone: 800.334.3512
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Hub
On Us
Buffet
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Employee Areas
Elevator Lobby
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ML-004_MH-005-KV

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Shelf Supports Pins & Bussings
Item Type	Shelf Supports
Description	Shelf Supports (non-exposed 5mm)
Manufacturer	KV
Model	345
Dimensions	5/16"
Finish	Nickel Plated (NP)
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Screw/Nail	As recommended by Manufacturer
Finish	Nickel Plated (NP)
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: KV
Contact Name: Customer Service
Phone: 1(800)-253-1561
Email: customer.service@kv.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Connection Center
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Flex
Employee Areas
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New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-004_MH-009-HA

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Magnetic Pressure Catch
Item Type	Magnetic Pressure Catch
Description	Magnetic Pressure Catch & Strike Plate
Manufacturer	Hafele
Model	245.75.310 / 246.36.390
Finish	Black / Bronzed
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Assembly Description	ML-007
Screw/Nail	As recommended by Manufacturer
Finish	Black / Bronzed
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Hafele America Co
Contact Name: Ty Lefever
Phone: (815) 315-3410
Email: ty.lefever@hafele.us

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Hub
On Us
Buffet
Fitness Center

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-004_MH-017-JG

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Cabinet Pulls
Item Type	Door & Drawer Edge Pull
Description	Edge Pull
Manufacturer	J.G. Edelen Company, Inc
Model	Liberty Hardware P31675-SN-C Modern Edge Collection
Dimensions	7"L x 1-5/8"W x 1"H
Finish	Satin Nickel
Material Composition	Zinc Die Cast, solid sheet aluminum construction
CSI #	12 32 16 - Manufactured Plastic Laminate Clad Casework
Omniclass #	22-12 32 16 - Manufactured Plastic Laminate Clad Casework
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk
Connection Center
Hub
Buffet
Flex
Elevator Lobby

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-004_MT-002

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Decorative Metal Fabrications
Item Type	Aluminum Sheet & Tube
Description	1/8" thick aluminum sheet metal and 1" x 1" Aluminum Tube, Powder Coated
Manufacturer	Not Applicable
Model	Not Applicable
Dimensions	Refer to Design Guideline Drawings
Color	Tiger Drylac 049/66230, Color: Brown C33
Finish	Metallic Smooth/Matte; Fluropolymer (PVDF) 70% resin, 2-coat system complying with AAMA 2605
CSI #	057500 - Decorative Formed Metal
Omniclass #	22 - 057500 - Decorative Formed Metal
Quality Standards	Aluminum Plate and Sheet: ASTM B209/B209M, Alloy 6061-T6; Aluminum Extruded Bar and Tubes: ASTM B221, Alloy 6063-T5. Comply with NAAMM "Metal Finishes Manual" for “Architectural and Metal Products” for recommendations relative to application and designations of finishes. for type of use and finish indicated.
Part of an Assembly	N
Notes	Sheet metal directly adhered to substrate per manufacturer's recommended adhesive. Form decorative metal to required shapes and sizes, true to line and level with true curves and accurate angles and surfaces. Finish exposed surfaces to smooth, sharp, well-defined lines and arris.

SPECIAL INSTRUCTIONS

If finished in the field; refer to the Building Product Manual Paint Schedule in the appendix for interior painted metal surfaces.

MANUFACTURER	AREAS
ALTERNATE MANUFACTURER 2	Hub Buffet Breakfast
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

TIGER Drylac® Powder Coatings

SERIES 49 - interior and exterior applications

POLYESTER TGIC WEATHER RESISTANT POWDER COATING FOR INTERIOR AND EXTERIOR APPLICATIONS

Typical applications

- residential windows and doors
- lawn mowers and garden equipment
- patio furniture
- automotive accessories
- bicycles and motorcycles
- agricultural machinery
- sporting goods
- internal ship components

Product details

Standard packaging	in original 44 & 55 lb (20 & 25 kg) boxes and 5 lb (2.5 kg) minipack
Specific gravity (ASTM D792)	approximately 1.2-1.8 g/cm^3 depending on pigmentation
Theoretical coverage	at 2.5 mils (60 µm) film thickness: **51.5 ft²/lb (11.1 m²/kg)**. Refer also to "Theoretic Powder Coating Coverage Chart" version 00-1001 (imperial) version 00-1000 (metric)
Storage stability	12 months at no more than 77 °F (25 °C) avoid direct and extended exposure to heat

Finish

finish	gloss
smooth *glossy*	80-95+*
smooth *semi-gloss*	55-65*
smooth *matte*	15-25*
rough texture *glossy*	visual
rough texture *matte*	visual
fine texture	visual
fluorescent	visual
clear, glitter, candy tones	visual
dormant transparent	visual
holographic	visual
metallic and other special effects	visual

* *Gloss level according to ASTM 523 at 60° angle (doesn't apply to metallic effect powder coatings). The measured gloss level of effect powder coatings can diverge from the details given in this Product Data Sheet. The creation of tolerance samples is recommended.*

Available as stock product in a selection of colors and finishes (see color charts). It can be made to order in non-stock colors (minimum order quantity applies).

Features

- good weather resistance
- good mechanical properties
- good flow
- good coverage
- good storage stability
- available in Out Gassing Forgiving (OGF) formulation
- Underwriter Laboratories recognized component (UL approved)

Underwriters Laboratories Inc., (UL) Recognition.

Pretreatment

The following table reflects the common methods of pre-treatment with regards to various substrates and applications. In selecting the proper type of pretreatment, the suitability of the type of powder coating for a desired application according to the guidelines on this page should be observed.

	Aluminum			Galvanized Steel				Steel		
Degreasing	○			○				○		
1) Chromating	○	○	○	○	○	○	○			
2) Pre-Anodizing	○	○	○							
2) Chrome free	○	○	○	○	○					
Iron Phosphating								○	○	
Zinc Phosphating				○	○	○	○	○	○	○
Blasting								○	○	○
3) Sweeping				○	○	○	○			
	I	E	A	I	E	A	S	I	E	S[4]

Application: I = interior; E = exterior; A = architectural; S = steel

1) according to ASTM B 449
2) according to GSB quality and test regulations. The suitability of this type of pretreatment needs to be established through a boiling water test and subsequent cross-hatch adhesion and adhesive tape removal test
3) only for zinc coated parts >1.8 mils (>45 µm)
4) for a two-coat process/TIGER Shield

Processing

Corona and Tribostatic*

** For Tribostatic powder coatings, confirm before ordering. Suitability of metallic effects for Tribostatic processing must be verified prior to actual application. Please refer to the latest edition of the relevant application guidelines for metallic effect powder coatings.*

Since not all powder coatings are suitable for recycling/reclaim, please verify before ordering.

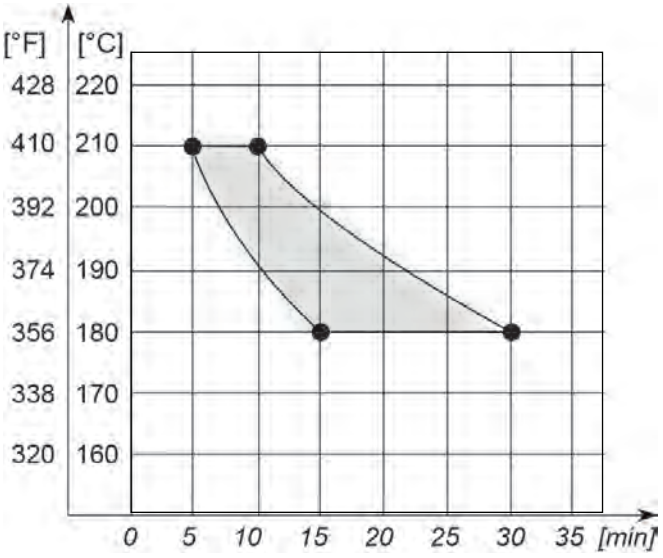
Product data sheet

TIGER Drylac® Powder Coatings

Cure parameters

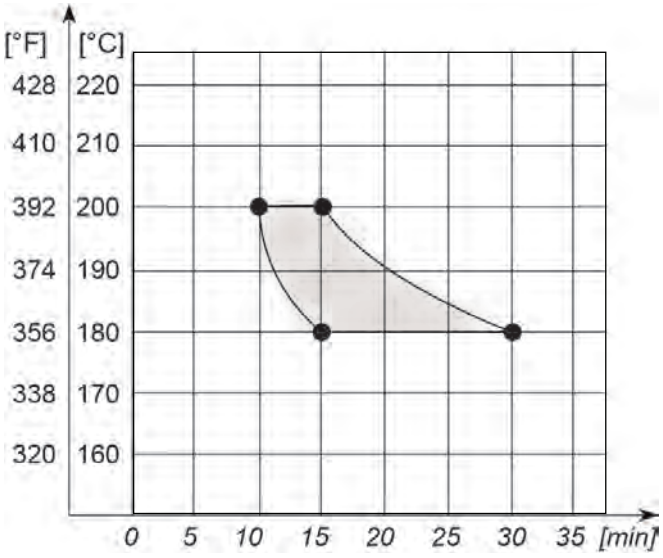
(substrate temperature versus curing time)

smooth *glossy*



substrate temp.	min. curing time	max. curing time
356 °F (180 °C)	15 minutes	30 minutes
410 °F (210 °C)	5 minutes	10 minutes

smooth *matte*



substrate temp.	min. curing time	max. curing time
356 °F (180 °C)	15 minutes	30 minutes
392 °F (200 °C)	10 minutes	15 minutes

Cure parameters must be closely observed since mechanical properties will develop before full cross-linking.

Test results

Checked under laboratory conditions on iron phosphated steel test panels Bonderite B-1000 or equivalent. Cure conditions are according to the cure curves. Actual product performance may vary due to product-specific properties such as gloss, color, effect and finish as well as application-related and environmental influences. When used as a two-coat system, the increase in film thickness will result in a decrease of mechanical properties.

test method	test	Series 49 smooth *glossy*	Series 49 smooth *semi-gloss*	Series 49 smooth *matte*
ISO 2360	**recommended film thickness**	2.5-3.5 mils (60-80 µm)	2.5-3.5 mils (60-80 µm)	2.5-3.5 mils (60-80 µm)
ASTM D523	**gloss - 60°**	80-95+	55-65	15-25
ASTM D3359 method B	**cross cut tape test** 1mm cutting distance	5B	5B	5B
ASTM D522	**mandrel bending test** cracking of coating	≤1/8 inch (≤3 mm)	≤5/32 inch (≤4 mm)	≤3/16 inch (≤5 mm)
ASTM D2794	**ball impact test** cracking of coating	80 in/lb no appearance of cracks down to the substrate	80 in/lb no appearance of cracks down to the substrate	80 in/lb no appearance of cracks down to the substrate
ASTM D3363	**pencil hardness**	2H minimum	2H minimum	2H minimum
ASTM D2247	**determination of resistance to humidity** 1,000 hours	maximum undercutting 1/8 inch (3 mm), no blistering	maximum undercutting 1/8 inch (3 mm), no blistering	maximum undercutting 1/8 inch (3 mm), no blistering
ASTM B117	**salt spray resistance** 1,000 hours	maximum undercutting 1/8 inch (3 mm), no blistering	maximum undercutting 1/8 inch (3 mm), no blistering	maximum undercutting 1/8 inch (3 mm), no blistering

Cleaning recommendations: refer to the latest edition of TIGER “Cleaning Recommendations” information sheet, Version 00-1005.

Series 49

Please note

For metallic finishes, it is recommended to observe the guidelines published in the latest edition of TIGER Drylac® "Application guidelines for metallic effect powder coatings".

Please consult the manufacturer before applying any 2-coat systems that feature (i) a primer or e-coat as base coat and (ii) a metallic effect powder coating as a top coat.

Top coating with a clear exterior grade powder coating over an interior grade powder coating does not result into a weather resistant coating system.

Post-bending properties of any part must be verified prior to application. Minor cracks in the coated surface may lead to corrosion.

Joint sealants and any other auxiliary products, such as glazing aids, gliding waxes, drilling and cutting lubricants, which come in contact with the coated surface, must be pH-neutral and free of substances that may damage the finish. Therefore, a suitability test at the applicator's end, prior to coating, is highly recommended.

In general, colors in the red, orange and yellow range may require an increased film thickness to achieve full hiding.

Please read and understand the Safety Data Sheet (SDS) before use.

Chemical resistance

The required chemical resistance of a powder coating depends, among other things, on its formulation. Chemical resistance requirements must be considered according to processing conditions and final use of the finished product. This is best established during the product specification process. Agreement between all parties involved must be reached about the requirements for such chemical resistance as well as the test method, which may be performed in accordance with PCI test method #8 "Solvent Cure Test". Furthermore, the test duration and concentration of the test media need to be agreed upon.

Disclaimer

TIGER's verbal and written recommendations for the use of its products are based upon experience and in accordance with current technological standards. These are provided in order to support the buyer or user. They are non-committal and do not create any additional commitments to the purchase agreement. They do not release the buyer from verifying the suitability of TIGER products for the intended application. TIGER warrants that its products are free of flaws and defects to the extent stipulated in the Terms of Delivery and Payment.

As part of TIGER product information program, each Product Data Sheet is updated periodically. The latest version shall prevail. It is recommended to always check for the latest editions on TIGER's website download area www.tiger-coatings.com to make sure you have the most current version of this Product Data Sheet. The information on TIGER's Product Data Sheets are subject to change without notification.

This Product Data Sheet supersedes and replaces all previous Product Data Sheet versions and notes to customers published in relation to this product and is only intended to provide a general overview on the product.

Latest versions of Technical Information Sheets and Terms of Delivery and Payment are downloadable from www.tiger-coatings.com and form an integral part of this Product Data Sheet.

Certified according to ISO 9001 | 14001

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W www.tiger-coatings.us

Series 49

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-004_PTW-013-SW

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Paint - Wood
Item Type	Interior Water-based Acrylic Latex Paint
Description	Interior Wood Millwork Paint
Manufacturer	Sherwin Williams
Model	Solo 100% Acrylic Interior-Exterior (A76 Series)
Color	SW7068 Grizzle Gray
Finish	Semi-gloss
CSI #	099000 - Painting
Omniclass #	22-099000
Best Practices	Low-VOC, UL Greenguard Certified
Quality Standards	Interior paint: Comply with Green Seal GS-11; MPI Architectural Painting Specification Manual; 40 CFR, Part 59, Subpart D 2001, National Volatile Organic Compound Emission Standards for Architectural Coatings
Eco-Feature(s) *as per manufacturer	Formulated without lead, mercury or chromates.
Product Type	Solo 100% Acrylic Interior-Exterior (A76W00051)
Finish	Semi-gloss
Lead Time	Standard lead times are 3-5 days from receipt of purchase order. Lead time should be confirmed by the manufacturer.
Warranty	Limited Lifetime

SPECIAL INSTRUCTIONS

Primer, undercoat, block filler, finish coat(s) are to be compatible and of the same manufacturer. All primers and undercoats are to be tinted to 50% lighter than the selected and approved finish coat color. All finish coats are to be tinted 25% darker than the primer coat until approved finish coat color is achieved. When the color schedule calls for the use of DEEP TONES (interior and/or exterior), it is the responsibility of the painting contractor to utilize the appropriate Deep Base Primers as manufactured by the painting company for use on the substrate for which they are intended.

Required Wall Finish Levels:
All walls to receive VWC are to have a Level 3 (minimum) Gypsum Board Finish.
All walls to receive Paint (or light to medium weight wall covering) are to have a Level 4 Gypsum Board Finish.
All walls to receive Gloss, Enamel Paint, or Murals to have a Level 5 Gypsum Board Finish.

MANUFACTURER

Vendor Name: Sherwin Williams
Contact Name: Matt Wessel
Phone: (216) 515-7925
Email: mwessel@sherwin.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

AREAS

Hub
Lobby

ALTERNATE MANUFACTURER 4	

101.88

Solo®

100% Acrylic Interior-Exterior Semi-Gloss

A76-Series

CHARACTERISTICS

Solo 100% Acrylic Interior-Exterior creates a scrubbable finish that is resistant to burnishing, wearing, and blocking. **Solo** is excellent choice for specifications where 100% acrylic interior finishes are required. It is designed for use on doors, trim, walls, & shutters. **Solo** can be applied to surfaces with a pH up to 13.

Color: Most Colors

To optimize hide and color development, always use the recommended P-Shade primer

Coverage: 350-400 sq. ft. per gallon @ 4 mils wet; 1.5 mils dry

Drying Time, @ 77°F (25°C), 50% RH:

Touch:	1 Hour
Recoat:	4 Hours

Drying and recoat times are temperature, humidity, and film thickness dependent

Finish: 35-45 units @ 60°

Tinting with CCE only:

Base:	oz. per gallon:	Strength:
Extra White	0-6	SherColor
Deep Base	4-12	SherColor
Ultradeep Base	10-12	SherColor

Extra White A76W00051
(may vary by color)

V.O.C. (less exempt solvents):
less than 50 grams per litre; 0.42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids: 38 ± 2%

Weight Solids: 50 ± 2%

Weight per Gallon: 10.16 lbs (4.61 kg)

Flash Point: NA

Vehicle Type: 100% Acrylic

Shelf Life: 36 months unopened

WVP Perms (US): 52.42 grains/(hr ft^2 in Hg)

Mildew Resistant
This coating contains agents which inhibit the growth of mildew on the surface of this coating film.

COMPLIANCE

As of 07/28/2020, Complies with:

OTC	Yes
OTC Phase II	Yes
SCAQMD	Yes
CARB	Yes
CARB SCM 2007	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	No
MIR-Manufacturer Inventory	No
MPI®	Yes

APPLICATION

Apply at temperatures above 50°F (10°C). No reduction needed.

Brush:

Use a nylon-polyester brush.

Roller:

Use a 1/4 to 1/2 inch nap synthetic cover.

For specific brushes and rollers, please refer to our Brush and Roller Guide.

Spray—Airless

Pressure	2000 p.s.i.
Tip	.015-.021 inch

APPLICATION TIPS

Make sure product is completely agitated (mechanically or manually) before use.

SPECIFICATIONS

Apply 2 topcoats of Solo directly over existing properly prepared, interior or exterior coatings, or new interior bare drywall, plaster (cured with a pH of less than 13), masonry (cured with a pH of less than 13) and non-bleeding wood.

Interior

Drywall: Self-prime using 2 coats of Solo
or
1 coat ProMar 200 Zero V.O.C. Primer
2 coats Solo

Plaster: Self-prime using 2 coats of Solo
or
1 coat Loxon Concrete and Masonry Primer
2 coats Solo

Wood: Self-prime using 2 coats of Solo
or
1 coat Premium Wall and Wood Primer
2 coats Solo

Interior and Exterior

Aluminum, Galvanized & Steel:(if needed)
1 coat All Surface Enamel Latex Primer
2 coats Solo

Block:
1 coat ConFlex Block Filler
2 coats Solo

Masonry, Cement, Stucco:
1 coat Loxon Concrete and Masonry Primer
2 coats Solo

Exterior

Wood, Composition Board:
1 coat Exterior Oil-Based Wood Primer
or
1 coat Exterior Latex Wood Primer
2 coats Solo

Plywood:
1 coat Exterior Latex Wood Primer
2 coats Solo

Other primers may be appropriate.

When repainting involves a drastic color change, a coat of primer will improve the hiding performance of the topcoat color.

continued on back

Solo®

100% Acrylic Interior-Exterior Semi-Gloss

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (**NIOSH** approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer/sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Aluminum and Galvanized Steel:

Wash to remove any oil, grease, or other surface contamination. All corrosion must be removed with sandpaper, wire brush, or other abrading method.

Caulking:

Gaps between walls, ceilings, crown moldings, and other interior trim can be filled with the appropriate caulk after priming the surface.

Concrete Block:

All new surfaces must be cured according to recommendations—usually about 30 days. Rough surfaces can be filled with ConFlex Block Filler to provide a smooth surface. The filler must be thoroughly dry before topcoating.

Drywall:

Fill cracks and holes with patching paste/spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust.

Masonry, Concrete, Cement:

All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces can be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer.

Stucco:

Remove any loose stucco, efflorescence, or laitance. Allow new stucco to cure at least 30 days before painting. If painting cannot wait 30 days, allow the surface to dry 7 days and prime with Loxon Concrete & Masonry Primer. Repair cracks, voids, and other holes with an elastomeric patch or sealant.

SURFACE PREPARATION

Mildew:

Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.

Steel:

Rust and mill scale must be removed using sandpaper, wire brush, or other abrading method. Bare steel must be primed the same day as cleaned.

Plaster:

Must be cured, usually 30 days, and hard. If painting cannot wait, allow the surface to dry 7 days and prime with Loxon Concrete and Masonry Primer. Soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with water and allow to dry before painting.

Vinyl or other PVC Building Products :

Clean the surface thoroughly by scrubbing with warm, soapy water. Rinse thoroughly, prime with appropriate white primer. Do not paint vinyl with any color darker than the original color. Do not paint vinyl with a color having a Light Reflective Value (LRV) of less than 56. Painting with darker colors lower than an LRV of 56 may cause vinyl to warp. Follow all painting guidelines of the vinyl manufacturer when painting. Only paint properly installed vinyl siding. Deviating from the manufacturer's painting guidelines may cause the warranty to be voided.

Wood, Plywood, Composition Board:

Clean the surface thoroughly then sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth. All patched areas must be primed. Knots and some woods, such as redwood and cedar, contain a high amount of tannin, a colored wood extract. If applied to these bare woods, it may show some staining.

Exterior: If staining persists, spot prime severe areas with 1 coat of Exterior Oil-Based Wood Primer prior to using.

Interior: If staining persists, spot prime severe areas with 1 coat of Multi-Purpose Oil-Based Primer.

CAUTIONS

Protect from freezing.
Non-photochemically reactive.

Before using, carefully read **CAUTIONS on label**

Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (**NIOSH** approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

HOTW 07/28/2020 A76W00051 25 03 FRC,SP

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS.

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-004_PTW-014-SW

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Paint - Wood
Item Type	Interior Water-based Acrylic Latex Paint
Description	Interior Wood Millwork Paint
Manufacturer	Sherwin Williams
Model	Solo 100% Acrylic Interior-Exterior (A76 Series)
Color	SW9170 Acier
Finish	Semi-gloss
CSI #	099000 - Painting
Omniclass #	22-099000
Best Practices	Low-VOC, UL Greenguard Certified
Quality Standards	Interior paint: Comply with Green Seal GS-11; MPI Architectural Painting Specification Manual; 40 CFR, Part 59, Subpart D 2001, National Volatile Organic Compound Emission Standards for Architectural Coatings
Eco-Feature(s) *as per manufacturer	Formulated without lead, mercury or chromates.
Product Type	Solo 100% Acrylic Interior-Exterior (A76W00051)
Finish	Semi-gloss
Lead Time	Standard lead times are 3-5 days from receipt of purchase order. Lead time should be confirmed by the manufacturer.
Warranty	Limited Lifetime

SPECIAL INSTRUCTIONS

Primer, undercoat, block filler, finish coat(s) are to be compatible and of the same manufacturer. All primers and undercoats are to be tinted to 50% lighter than the selected and approved finish coat color. All finish coats are to be tinted 25% darker than the primer coat until approved finish coat color is achieved. When the color schedule calls for the use of DEEP TONES (interior and/or exterior), it is the responsibility of the painting contractor to utilize the appropriate Deep Base Primers as manufactured by the painting company for use on the substrate for which they are intended.

Required Wall Finish Levels:
All walls to receive VWC are to have a Level 3 (minimum) Gypsum Board Finish.
All walls to receive Paint (or light to medium weight wall covering) are to have a Level 4 Gypsum Board Finish.
All walls to receive Gloss, Enamel Paint, or Murals to have a Level 5 Gypsum Board Finish.

MANUFACTURER

Vendor Name: Sherwin Williams
Contact Name: Matt Wessel
Phone: (216) 515-7925
Email: mwessel@sherwin.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

AREAS

Hub
Lobby
Food & Beverage Back-of-House

ALTERNATE MANUFACTURER 4	

101.88

Solo®

100% Acrylic Interior-Exterior Semi-Gloss

A76-Series

CHARACTERISTICS

Solo 100% Acrylic Interior-Exterior creates a scrubbable finish that is resistant to burnishing, wearing, and blocking. **Solo** is excellent choice for specifications where 100% acrylic interior finishes are required. It is designed for use on doors, trim, walls, & shutters. **Solo** can be applied to surfaces with a pH up to 13.

Color: Most Colors

To optimize hide and color development, always use the recommended P-Shade primer

Coverage: 350-400 sq. ft. per gallon @ 4 mils wet; 1.5 mils dry

Drying Time, @ 77°F (25°C), 50% RH:

Touch:	1 Hour
Recoat:	4 Hours

Drying and recoat times are temperature, humidity, and film thickness dependent

Finish: 35-45 units @ 60°

Tinting with CCE only:

Base:	oz. per gallon:	Strength:
Extra White	0-6	SherColor
Deep Base	4-12	SherColor
Ultradeep Base	10-12	SherColor

Extra White A76W00051
(may vary by color)

V.O.C. (less exempt solvents):
less than 50 grams per litre; 0.42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids: 38 ± 2%

Weight Solids: 50 ± 2%

Weight per Gallon: 10.16 lbs (4.61 kg)

Flash Point: NA

Vehicle Type: 100% Acrylic

Shelf Life: 36 months unopened

WVP Perms (US): 52.42 grains/(hr ft^2 in Hg)

Mildew Resistant
This coating contains agents which inhibit the growth of mildew on the surface of this coating film.

COMPLIANCE

As of 07/28/2020, Complies with:

OTC	Yes
OTC Phase II	Yes
SCAQMD	Yes
CARB	Yes
CARB SCM 2007	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	No
MIR-Manufacturer Inventory	No
MPI®	Yes

APPLICATION

Apply at temperatures above 50°F (10°C). No reduction needed.

Brush:

Use a nylon-polyester brush.

Roller:

Use a 1/4 to 1/2 inch nap synthetic cover.

For specific brushes and rollers, please refer to our Brush and Roller Guide.

Spray—Airless

Pressure	2000 p.s.i.
Tip	.015-.021 inch

APPLICATION TIPS

Make sure product is completely agitated (mechanically or manually) before use.

SPECIFICATIONS

Apply 2 topcoats of Solo directly over existing properly prepared, interior or exterior coatings, or new interior bare drywall, plaster (cured with a pH of less than 13), masonry (cured with a pH of less than 13) and non-bleeding wood.

Interior

Drywall: Self-prime using 2 coats of Solo
or
1 coat ProMar 200 Zero V.O.C. Primer
2 coats Solo

Plaster: Self-prime using 2 coats of Solo
or
1 coat Loxon Concrete and Masonry Primer
2 coats Solo

Wood: Self-prime using 2 coats of Solo
or
1 coat Premium Wall and Wood Primer
2 coats Solo

Interior and Exterior

Aluminum, Galvanized & Steel:(if needed)
1 coat All Surface Enamel Latex Primer
2 coats Solo

Block:
1 coat ConFlex Block Filler
2 coats Solo

Masonry, Cement, Stucco:
1 coat Loxon Concrete and Masonry Primer
2 coats Solo

Exterior

Wood, Composition Board:
1 coat Exterior Oil-Based Wood Primer
or
1 coat Exterior Latex Wood Primer
2 coats Solo

Plywood:
1 coat Exterior Latex Wood Primer
2 coats Solo

Other primers may be appropriate.

When repainting involves a drastic color change, a coat of primer will improve the hiding performance of the topcoat color.

continued on back

Solo®

100% Acrylic Interior-Exterior Semi-Gloss

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (**NIOSH** approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer/sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Aluminum and Galvanized Steel:

Wash to remove any oil, grease, or other surface contamination. All corrosion must be removed with sandpaper, wire brush, or other abrading method.

Caulking:

Gaps between walls, ceilings, crown moldings, and other interior trim can be filled with the appropriate caulk after priming the surface.

Concrete Block:

All new surfaces must be cured according to recommendations—usually about 30 days. Rough surfaces can be filled with ConFlex Block Filler to provide a smooth surface. The filler must be thoroughly dry before topcoating.

Drywall:

Fill cracks and holes with patching paste/spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust.

Masonry, Concrete, Cement:

All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces can be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer.

Stucco:

Remove any loose stucco, efflorescence, or laitance. Allow new stucco to cure at least 30 days before painting. If painting cannot wait 30 days, allow the surface to dry 7 days and prime with Loxon Concrete & Masonry Primer. Repair cracks, voids, and other holes with an elastomeric patch or sealant.

SURFACE PREPARATION

Mildew:

Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.

Steel:

Rust and mill scale must be removed using sandpaper, wire brush, or other abrading method. Bare steel must be primed the same day as cleaned.

Plaster:

Must be cured, usually 30 days, and hard. If painting cannot wait, allow the surface to dry 7 days and prime with Loxon Concrete and Masonry Primer. Soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with water and allow to dry before painting.

Vinyl or other PVC Building Products :

Clean the surface thoroughly by scrubbing with warm, soapy water. Rinse thoroughly, prime with appropriate white primer. Do not paint vinyl with any color darker than the original color. Do not paint vinyl with a color having a Light Reflective Value (LRV) of less than 56. Painting with darker colors lower than an LRV of 56 may cause vinyl to warp. Follow all painting guidelines of the vinyl manufacturer when painting. Only paint properly installed vinyl siding. Deviating from the manufacturer's painting guidelines may cause the warranty to be voided.

Wood, Plywood, Composition Board:

Clean the surface thoroughly then sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth. All patched areas must be primed. Knots and some woods, such as redwood and cedar, contain a high amount of tannin, a colored wood extract. If applied to these bare woods, it may show some staining.

Exterior: If staining persists, spot prime severe areas with 1 coat of Exterior Oil-Based Wood Primer prior to using.

Interior: If staining persists, spot prime severe areas with 1 coat of Multi-Purpose Oil-Based Primer.

CAUTIONS

Protect from freezing.
Non-photochemically reactive.

Before using, carefully read **CAUTIONS on label**

Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (**NIOSH** approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

HOTW 07/28/2020 A76W00051 25 03 FRC,SP

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS.

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-004_PTW-015-SW

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Paint - Wood
Item Type	Interior Water-based Acrylic Latex Paint
Description	Interior Wood Millwork Paint
Manufacturer	Sherwin Williams
Model	Solo 100% Acrylic Interior-Exterior (A76 Series)
Color	SW6381 Anjou Pear
Finish	Semi-gloss
CSI #	099000 - Painting
Omniclass #	22-099000
Best Practices	Low-VOC, UL Greenguard Certified
Quality Standards	Interior paint: Comply with Green Seal GS-11; MPI Architectural Painting Specification Manual; 40 CFR, Part 59, Subpart D 2001, National Volatile Organic Compound Emission Standards for Architectural Coatings
Eco-Feature(s) *as per manufacturer	Formulated without lead, mercury or chromates.
Product Type	Solo 100% Acrylic Interior-Exterior (A76W00051)
Finish	Semi-gloss
Lead Time	Standard lead times are 3-5 days from receipt of purchase order. Lead time should be confirmed by the manufacturer.
Warranty	Limited Lifetime

SPECIAL INSTRUCTIONS

Primer, undercoat, block filler, finish coat(s) are to be compatible and of the same manufacturer. All primers and undercoats are to be tinted to 50% lighter than the selected and approved finish coat color. All finish coats are to be tinted 25% darker than the primer coat until approved finish coat color is achieved. When the color schedule calls for the use of DEEP TONES (interior and/or exterior), it is the responsibility of the painting contractor to utilize the appropriate Deep Base Primers as manufactured by the painting company for use on the substrate for which they are intended.

Required Wall Finish Levels:
All walls to receive VWC are to have a Level 3 (minimum) Gypsum Board Finish.
All walls to receive Paint (or light to medium weight wall covering) are to have a Level 4 Gypsum Board Finish.
All walls to receive Gloss, Enamel Paint, or Murals to have a Level 5 Gypsum Board Finish.

MANUFACTURER

Vendor Name: Sherwin Williams
Contact Name: Matt Wessel
Phone: (216) 515-7925
Email: mwessel@sherwin.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

AREAS

Hub
Lobby

ALTERNATE MANUFACTURER 4	

101.88

Solo®

100% Acrylic Interior-Exterior Semi-Gloss

A76-Series

CHARACTERISTICS

Solo 100% Acrylic Interior-Exterior creates a scrubbable finish that is resistant to burnishing, wearing, and blocking. **Solo** is excellent choice for specifications where 100% acrylic interior finishes are required. It is designed for use on doors, trim, walls, & shutters. **Solo** can be applied to surfaces with a pH up to 13.

Color: Most Colors

To optimize hide and color development, always use the recommended P-Shade primer

Coverage: 350-400 sq. ft. per gallon @ 4 mils wet; 1.5 mils dry

Drying Time, @ 77°F (25°C), 50% RH:

Touch:	1 Hour
Recoat:	4 Hours

Drying and recoat times are temperature, humidity, and film thickness dependent

Finish: 35-45 units @ 60°

Tinting with CCE only:

Base:	oz. per gallon:	Strength:
Extra White	0-6	SherColor
Deep Base	4-12	SherColor
Ultradeep Base	10-12	SherColor

Extra White A76W00051
(may vary by color)

V.O.C. (less exempt solvents):
less than 50 grams per litre; 0.42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids: 38 ± 2%

Weight Solids: 50 ± 2%

Weight per Gallon: 10.16 lbs (4.61 kg)

Flash Point: NA

Vehicle Type: 100% Acrylic

Shelf Life: 36 months unopened

WVP Perms (US): 52.42 grains/(hr ft^2 in Hg)

Mildew Resistant
This coating contains agents which inhibit the growth of mildew on the surface of this coating film.

COMPLIANCE

As of 07/28/2020, Complies with:

OTC	Yes
OTC Phase II	Yes
SCAQMD	Yes
CARB	Yes
CARB SCM 2007	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	No
MIR-Manufacturer Inventory	No
MPI®	Yes

APPLICATION

Apply at temperatures above 50°F (10°C). No reduction needed.

Brush:

Use a nylon-polyester brush.

Roller:

Use a 1/4 to 1/2 inch nap synthetic cover.

For specific brushes and rollers, please refer to our Brush and Roller Guide.

Spray—Airless

Pressure	2000 p.s.i.
Tip	.015-.021 inch

APPLICATION TIPS

Make sure product is completely agitated (mechanically or manually) before use.

SPECIFICATIONS

Apply 2 topcoats of Solo directly over existing properly prepared, interior or exterior coatings, or new interior bare drywall, plaster (cured with a pH of less than 13), masonry (cured with a pH of less than 13) and non-bleeding wood.

Interior

Drywall: Self-prime using 2 coats of Solo
or
1 coat ProMar 200 Zero V.O.C. Primer
2 coats Solo

Plaster: Self-prime using 2 coats of Solo
or
1 coat Loxon Concrete and Masonry Primer
2 coats Solo

Wood: Self-prime using 2 coats of Solo
or
1 coat Premium Wall and Wood Primer
2 coats Solo

Interior and Exterior

Aluminum, Galvanized & Steel:(if needed)
1 coat All Surface Enamel Latex Primer
2 coats Solo

Block:
1 coat ConFlex Block Filler
2 coats Solo

Masonry, Cement, Stucco:
1 coat Loxon Concrete and Masonry Primer
2 coats Solo

Exterior

Wood, Composition Board:
1 coat Exterior Oil-Based Wood Primer
or
1 coat Exterior Latex Wood Primer
2 coats Solo

Plywood:
1 coat Exterior Latex Wood Primer
2 coats Solo

Other primers may be appropriate.

When repainting involves a drastic color change, a coat of primer will improve the hiding performance of the topcoat color.

continued on back

Solo®

100% Acrylic Interior-Exterior Semi-Gloss

SURFACE PREPARATION

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CAUTIONS

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HOTW 07/28/2020 A76W00051 25 03 FRC,SP

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On Us_ML-005

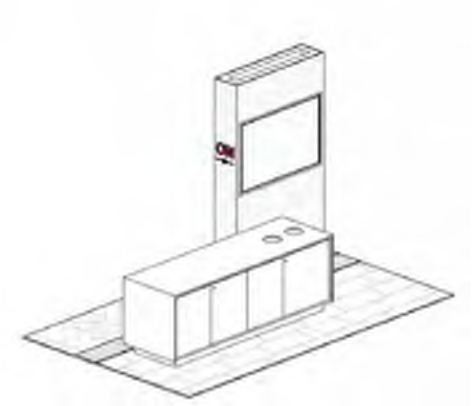
Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-005

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	On Us Millwork
Item Type	Public Millwork
Description	Plastic Laminate Clad Custom Millwork consisting of cabinets, shelves and countertops.
Manufacturer	R.B. Woodcraft, J. Suss Industries, MGroup; MillRock Casework
Model	Not Applicable
Dimensions	Refer to Design Guideline Drawings
Color	Refer to Design Guideline Drawings and Building Product Manual
Finish	Refer to Design Guideline Drawings and Building Product Manual
Material Composition	Cabinet to Door Interface shall be Frameless, Flush (Full) Overlay. Grain direction to be horizontal on doors, drawer fronts, knee space panels, aprons & end panels.
CSI #	12 32 16 - Manufactured Plastic Laminate Clad Casework
Omniclass #	22-12 32 16 - Manufactured Plastic Laminate Clad Casework
Grade	Lumber shall be in accordance with the AWS Grade specified for the product being fabricated. Moisture content shall be 6% to 12% for boards up to 2-inches nominal thickness, and shall not exceed 19% for thicker pieces.
Classification	Particle Board: ANSI A208.1, Mat-Formed Particle Board, Grade 1-M-2, with minimum density of 45 pcf. Internal bond of 60 psi, and minimum screw holding capacity of 225 lb. on faces and 200 lb. on edges. Hardboard: ANSI A135.4, Class 1, tempered. E. MDF: ANSI A208.2, Grade 130.
Acoustical Performance	Door & Drawer bumpers to be placed on all cabinet doors and drawers.
Best Practices	Use products with no urea-formaldehyde resins. Use adhesives with Low VOC content.
Quality Standards	Architectural Woodwork Standards (AWS)
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	N
Design & Construction	See attached specifications. All listed millwork must be manufactured in accordance with the attached specifications.
Lighting	Not Applicable
Plastic Laminate	Refer to Specifications within Building Product Manual
Millwork Hardware	Refer to Specifications within Building Product

	Manual
Pattern/ Color	Refer to drawings for finishes. Review and approval of finish samples required prior to manufacturing.
Fabric Wrapped Panels	Not Applicable
Lead Time	TBD
Notes	1. Public Space Casework: Interior face of exposed cabinet units shall be Thermoset Decorative Overlay (melamine), to match door fronts as shown in the Design Guideline Drawings. a. Exposed & Semi-Exposed ends: Grade VGS plastic laminate or minimum 1mm thick PVC edge banding. Color to match exposed faces. b. Interior unexposed face of units that are likely to become wet should be constructed of polyester overlaid plywood cabinet liner materials: Cabinet Liner Industrial Panel by Olympic Panel Products, LLC or approved substitution. 2. Top and Bottom Rails; and Sub-toe Boards: Not less than 3/4-inch particleboard faced with Grade VGS plastic laminate to match door and drawer fronts. Machine ends for wood-dowel or mechanical dowel fasteners to receive top, bottom, and back. Base ends to extend to floor. Finish exposed ends to match doors and doors and drawer fronts. 3. Unexposed Ends: Not less than 3/4-inch tempered hardboard; finished with Thermoset Decorative Overlay (Melamine). Attach to front frame in same manner as exposed ends. 4. Back Panels: Not less than 1/4-inch tempered hardboard or MDF; finished with Thermoset Decorative Overlay (Melamine). 5. Doors 48 Inches or Less in Height: 3/4 inch thick, Particle Board cores. Front faces to be Grade VGS plastic laminate overlay, and back faces to be Thermoset Decorative Overlay (melamine). Provide stop silencers at the top and bottom of all hinged doors. 6. Shelving (within cabinetry): Not less than 3/4" particle board with Thermoset Decorative Overlay (melamine) to match cabinet interior, PVC edge banding; adjustable at least every 1-1/2 inch; clear plastic [seismic] shelf clip pressed into 5mm holes bored in cabinet side. Fabricate base shelf to half depth. Exposed Fixed Shelving Units: Front faces to be Grade VGS plastic laminate overlay. 7. Filler Strips: Provide as needed to close spaces between cabinets and walls, ceilings, and indicated equipment. Fabricate from same material and with same finish as cabinets. Oversize for field cutting to suit field conditions and assure continuous enclosure of open spaces. Provide raw (unfinished) cleats at blind corners and appliance openings as required to

support countertops, minimum 3/4-inch x 1-1/2 inch x 8 foot length, to be field cut and fit by the installer.
8. Base Cabinet Units:
a. Base Cabinet Top Frames: 3/4-inch solid wood with mortise and tenon or doweled connections, glued and pinned or screwed. Base Cabinet Stretchers: 3/4-by-4-1/2-inch plywood, Particle Board, or MDF strips or solid-wood boards at front and back of cabinet, glued and pinned or screwed.
b. Base Cabinet Stretchers may be provided as an option to base cabinet top frames.
c. Bottoms: Not less than 1/2-inch hardwood plywood faced with Thermoset Decorative Overlay (Melamine) to match door and drawer fronts, fully supported by and secured in rabbets in end panels, front frame, and back bottom rail.
d. Corner Blocks: Glued and fastened in each of four top corners to maintain cabinet squareness and rigidity.

SPECIAL INSTRUCTIONS

Architect / General Contractor to coordinate millwork with equipment sizes and requirements, to include food equipment, trash/linen bins, power/data, etc.
No pulls required.

MANUFACTURER

Vendor Name: RB Woodcraft Inc
Contact Name: Drew Brooks
Phone: (315) 474-2429
Email: drewbrooks@rbwoodcraft.com

ALTERNATE MANUFACTURER 2

Vendor Name: J Suss Industry
Contact Name: Liane Alexander
Phone: (866) 769-5666
Email: liane@jsuss.com

ALTERNATE MANUFACTURER 3

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 4

Vendor Name: Millrock
Contact Name: Jared Jaudon
Phone: (540) 437-3458
Email: jjaudon@millrock.com

AREAS

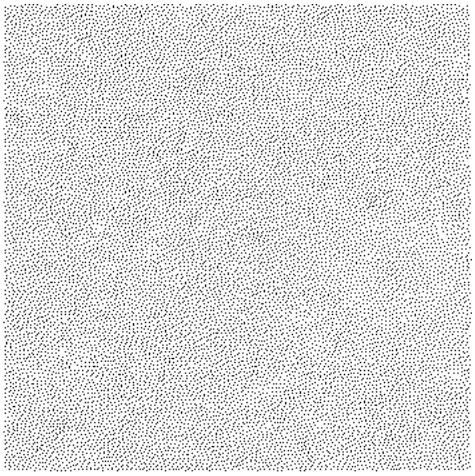
On Us

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-005_CT-001-BS

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Belstone
Model	Dodi
Dimensions	Refer to Design Guideline Drawings
Color	Demitasse
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Notes	Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 2

Vendor Name: MGroup
Contact Name: Drew Murray

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Public Restrooms

Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 3

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

ALTERNATE MANUFACTURER 4

Vendor Name: Daltile
Contact Name: Morgan Stephenson
Phone: (214) 309-4531
Email: morgan.stephenson@daltile.com

Elevator Lobby
Hydration Station

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-005_CT-001-DA

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Daltile
Model	One-Quartz
Dimensions	Refer to Design Guideline Drawings
Color	QQ20-Aspen Gray
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Thickness	2cm Unless Otherwise Noted. Refer to Details Eased Edge.
Notes	Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: Daltile
Contact Name: Morgan Stephenson
Phone: (214) 309-4531
Email: morgan.stephenson@daltile.com

AREAS

Hub
On Us
Buffet

ALTERNATE MANUFACTURER 2

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 3

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 4

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

Flex
Fitness Center
Employee Areas
Public Restrooms
Hydration Station
Lobby

ML-005_CT-001-DA

WALL | COUNTERTOPS

ONE QUARTZ SURFACES®

daltile®

ONE QUARTZ SURFACES®

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SLAB

USAGE

FLOOR

WALL

COUNTERTOP

SHOWER FLOOR

EXTERIOR FLOOR

SPECIAL FEATURES

STEPWISE

TRU-EDGE

MADE IN THE U.S.A.*

LARGE FORMAT

HOUSE/DECO

ENCAUSTIC

TERRAZZO

PAVER

CUSTOMIZE

FLEXFIT™

Q

LOW HIGH

SEE CHARTS FOR FULL PRODUCT DETAILS

*MADE IN THE USA WITH IMPORTED MATERIAL.

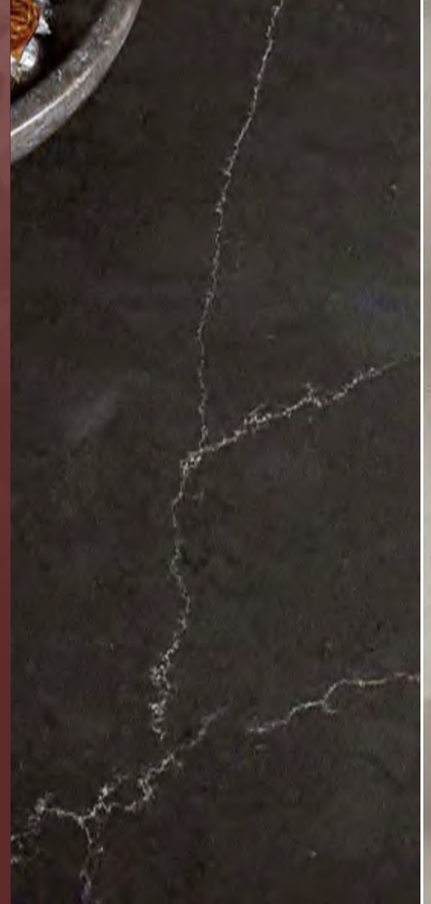
FROM NATURE CHIC – TO CITY SLEEK

With the ONE Quartz Surfaces® assortment, we've brought together the beauty of quartz and modern technology to create new and exciting possibilities. ONE Quartz Surfaces® gives you more design choices for your next project. The low maintenance and durability of ONE Quartz Surfaces® countertops make it perfect for any application, commercial or residential. Functional yet chic, that's what ONE Quartz Surfaces® is all about.

AVAILABLE IN:

Within these unique series, you'll have more selection than ever before.

- Marble Look
- Stone Look
- Concrete Look
- Monochromatic Look

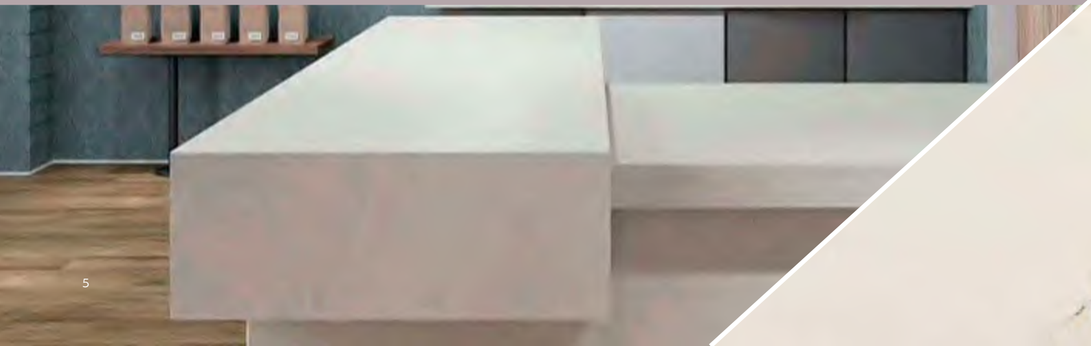


ML-005_CT-001-DA

MARBLE LOOK

Dazzle in design with charming details which embody the luxury of the finest marble. Create drama with striking vein patterns, or infuse tranquility with subtle marbling. This look allows you to create elegant styles with outstanding durability.

Made in the USA with imported material.



ML-005_CT-001-DA

RUSHMORE OQ41

FREEDOM CALACATTA OQ42

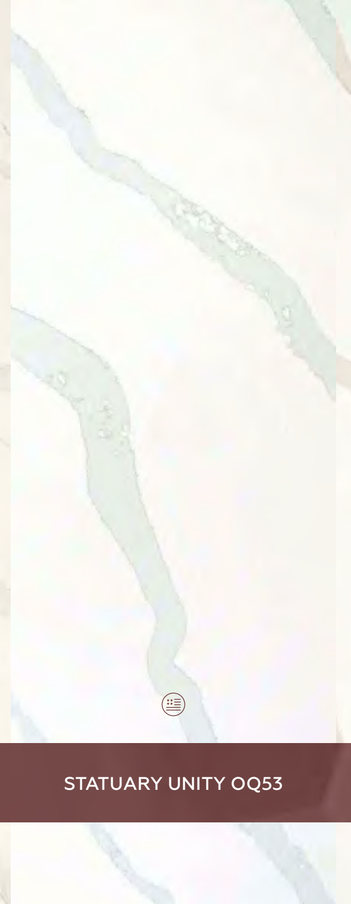
WASHINGTON OQ43

LIBERTY CALACATTA OQ44

LIBERTY GOLD OQ45

PATRIOCTIC CALACATTA OQ47

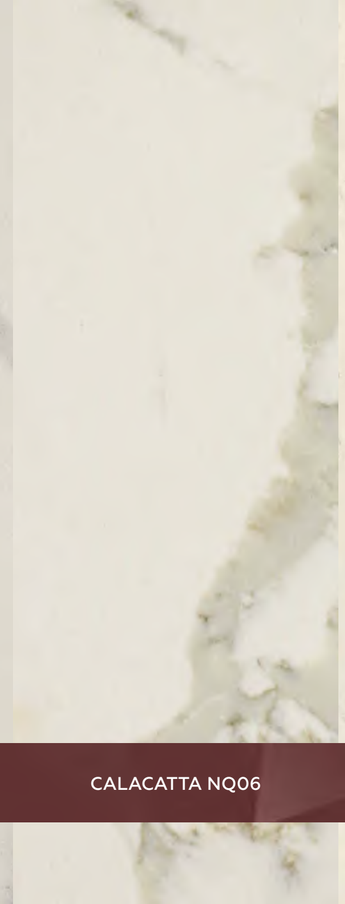
INDEPENDENCE CALACATTA OQ48



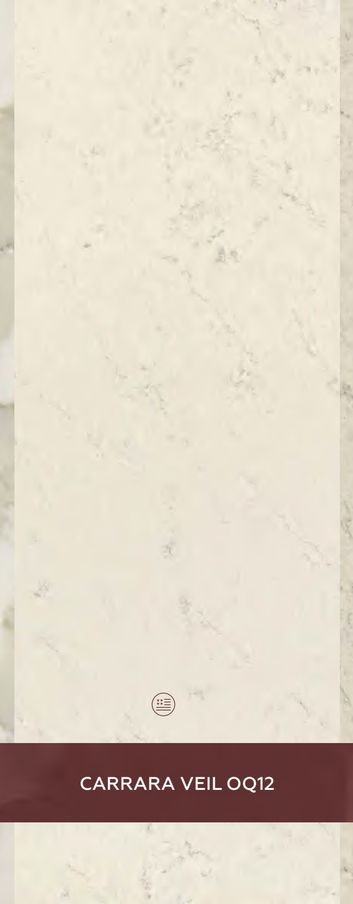
STATUARY UNITY OQ53

STATUARY GLORY OQ52

WHITE STATUARY NQ12

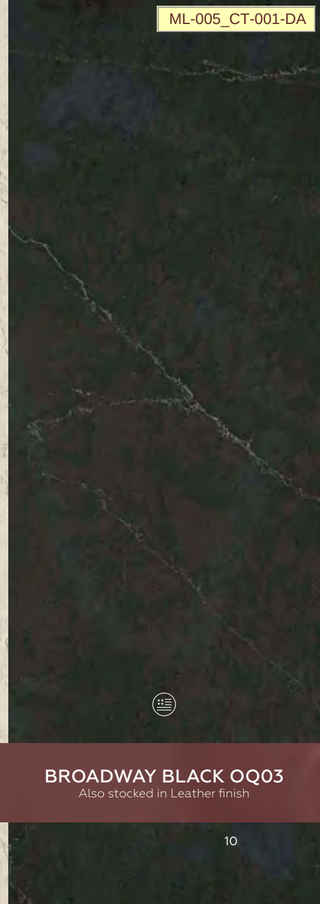


CALACATTA NQ06



CARRARA VEIL OQ12

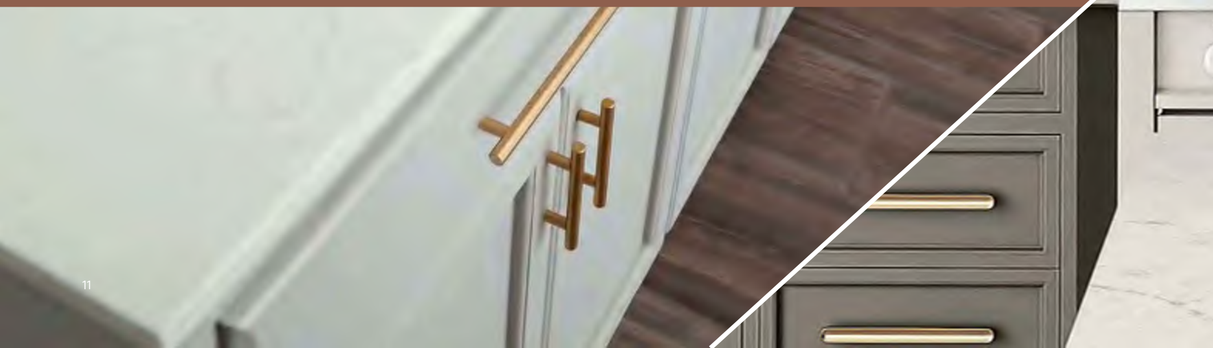
CARRARA AURA OQ09



BROADWAY BLACK OQ03
Also stocked in Leather finish

STONE LOOK

Enjoy the opulent beauty of stone with the benefits of extraordinary endurance. From travertine and limestone visuals, the many color choices are versatile for any design. Increase the style in your space with a majestic stone look.

Made in the USA with imported material.

ML-005_CT-001-DA

VALOR WHITE OQ55

CAPITOL BEIGE OQ57

NOBLE GREY OQ56

ARCHES OQ33

NIAGARA OQ32

ROCKY MOUNTAIN OQ34

GOLDEN GATE OQ37

JASMINE WHITE OQ27

ML-005_CT-001-DA

KODIAK OQ21

ASPEN GREY OQ20

WHITE SAND NQ97

ALMONDINE NQ36

EQUINOX OQ23

AVENUE WHITE OQ01
Also stocked in Leather finish

ALPINE WINTER OQ19

RIVERBANK NQ93

CONCRETE LOOK

Concrete features organic natural looks, bustling with city style and sophistication. Add an urban chic feel with looks that closely mimic the essence of poured concrete, while the smooth matte finish adds a touch of refinement.

Made in the USA with imported material.

ML-005_CT-001-DA

ML_005_CT_001_DA

LINCOLN WHITE NQ59

ASH GREY NQ69
Also stocked in Honed finish

CABRINI GREY NQ51

MERCER GREY NQ52

LUDLOW TAN NQ55

COLUMBUS BROWN NQ56

CONCRETE GREY NQ87

ML-005_CT-001-DA

MONOCHROMATIC LOOK

Infuse your space with the raw beauty of a monochromatic look. Choose from a speckled look with flecks of character or subdued solids for a more contemporary space. From the purest white to the blackest black, the opportunities are endless.

Made in the USA with imported material.

CHIPPED ICE NQ91

MORNING FROST NQ30

WOVEN WOOL NQ09

SIMPLY WHITE NQ76
ONE Quartz Basics

SIMPLY GREY OQ30
ONE Quartz Basics

SIMPLY BEIGE OQ29
ONE Quartz Basics

WHITE ICE NQ90

FRESH LINENS NQ66

EVENING GREY NQ43

BRUSHED FLANNEL NQ60

MESA DUNE NQ89

METEOR SHOWER NQ25

PRODUCT **INFORMATION**

PRODUCT INFORMATION

Finishes	Actual Size		Thickness
	DOMESTIC COLORS	IMPORTED COLORS	
Polished	135-7/8" x 78-3/4" (345 cm x 200 cm)	Please reach out to local stone center for size details on all sourced products. Slab sizes vary.	1-1/4" (3 cm) & 3/4" (2 cm)

Custom slab finishes in semi-polished, honed and leather are available by special order.

Not all colors available in alternative finishes. Please contact your local slab center for availability.

			RESISTANCE						
	PRICE	STYLE	CHIPS	HEAT	STAIN	SCRATCHES	SEALING REQUIRED	MAINTENANCE	PROS
ONE QUARTZ SURFACES®	$$$	•••	•••	•••	•••	•••	NO	NO	Highly stain resistant Excellent for undermount sinks Engineered, so has consistent look Tons of colors to choose from

••• EXCELLENT
•• GOOD
• FAIR

Fifteen Year Limited Warranty, visit daltile.com for complete warranty details.♦

♦Sourced SKUS

Twenty Five Year Commercial Limited Warranty, visit daltile.com for complete warranty details.

Lifetime Residential Limited Warranty, visit daltile.com for complete warranty details.*

*Made in the U.S.A. with imported material.

MADE IN THE USA WITH IMPORTED MATERIAL.

To See Approved Colors, Please Check The Below Link:
info.nsf.org/Certified/Food/Listings.asp?Company=C0536133&Standard=051

PRODUCT **INFORMATION**

INSTALLATION

Grout Joint Recommendation	Shade Variation
Tile : 1/16"	Medium (V2)

APPLICATIONS

	Target DCOF wet	Suitable
Dry & Level – Interior Floor	N/A	
Wet & Level – Interior Floor	≥ 0.42	
Shower Floors (Residential or Light Commercial)	≥ 0.42	
Exterior Floor Applications (including pool decking & other wet areas with minimal footwear)	≥ 0.60	
Ramps & Inclines	≥ 0.65	
Walls/Backsplashes	N/A	✓
Countertops	N/A	✓
Pool Linings	N/A	

ONE Quartz Surfaces do not meet minimum coefficient of friction thresholds recommended by safety standard-setting organizations. Water, oil, grease, etc., create slippery conditions. Floor applications with exposure to these conditions require extra caution in product selection.

Quartz not suitable for exterior applications due to small resin content. The sun will etch the material.

SLAB PERFORMANCE CHARACTERISTICS

	Test Method	Average Result*
Abrasion Wear Index	ASTM C501	≥ 135
Bulk Specific Gravity	ASTM C97	≤ 2500 kg / cubic meter
Chemical Resistance	ASTM C650	Resistant to typical household cleaners
Coefficient of Thermal Expansion	ASTM C531	≤ 4.0 • 10^{-5} °C^{-1}
Flexural Strength	ASTM C880	≥ 35 MPa
Water Absorption	ASTM C97	≤ 0.10%
Scratch Resistance (Mohs Hardness)	ASTM C1895	≥ 5
Stain Resistance	ANSI Z124.6	Pass
Thermal Shock Resistance	ASTM C484	Pass – No Effect

* Custom testing results by color are available upon request.

NOTES

ONE Quartz Surfaces products are nonporous, reducing the potential for bacteria growth, resist common food stains and are stronger than natural granite.

ONE Quartz Surfaces products are virtually maintenance free.

ONE Quartz Surfaces products contain natural quartz stone providing consistent color and visual movement. A wide range of color options allow for more design freedom.

ONE Quartz Surfaces products have a durable, scratch-resistant surface.

ONE Quartz Surfaces products are heat and scorch-resistant under normal cooking conditions (use of a trivet is recommended for longer or extreme heat exposure).

Visit daltile.com/countertops-product-category/one-quartz for additional polished, semi-polished, honed and leather finish details.

Twenty-Five year limited warranty. Visit daltile.com/countertops-product-category/one-quartz or details.

Fifteen-year limited warranty on imported materials.
Visit daltile.com/countertops-product-category/one-quartz for details.

White thin-set or mortar is recommended for the lighter colors of ONE Quartz Surfaces tiles.

WARNING: This product can expose you to chemicals known to the State of California to cause cancer, including crystalline Silica (airborne particles of respirable size) in dust created if the product is dry cut/ground/polished or pulverized during fabrication/installation/removal. For more information, go to www.P65Warnings.ca.gov.

For information refer to "Factors to Consider" at daltile.com/Factors.

DIMENSIONAL **STONE**

QUARTZ TAKES ON A WHOLE NEW DIMENSION

Our Dimensional team offers complete cut to size projects imported directly to the jobsite. Brought to you by the experts at Daltile®.

FORGET ONE-SIZE-FITS-ALL.

Or shape, for that matter. Our Dimensional program offers procurement, fabrication, and delivery for any project-all executed to your specifications.

Our team will help you identify exactly what you need to bring your vision to reality. Acting as a dedicated project manager, they'll walk you through every step, from inception to completion. Ask about our quantity survey, shop drawing and cutting ticket services!

LEAVE YOUR LIMITS BEHIND.

In addition to our standard product offering, we can also match most any color pallet. The experts at Daltile won't hesitate to make sure your project takes shape with complete coordination and precision.

STEP-BY-STEP

CUSTOM CUT TO YOUR SPECS. ON YOUR TERMS.

- We provide a digital take-off to identify the project scope, which includes materials, size, quantity, and edge treatment.
- You'll receive samples and pricing - we'll also provide support during the bid process to help determine the right material for the right location.
- Then you'll review CAD-generated shop tickets for confirmation that your goals are achieved.
- Now, your stone can be fabricated, delivered on time, within sequence, and ready to install.
- Each project is reviewed by an independent Daltile inspector. They ensure that color, size, calibration, and packaging meets your requirements prior to shipment.

LET US HANDLE ALL THE DETAILS

Contact your local Daltile Architectural Representative, Sales Representative or visit daltile.com to get started.

TECHNICAL **DATA**

QUALITY QUARTZ SURFACE

Test Items	Test Methods	Result
Absorption by Weight	ASTM C97/C97M-09	0.06%
Density	ASTM C97/C97M-09	148 lbs/ft^3
Abrasion Resistance	ASTM C241/C241M-13	47
Flexural Strength	ASTM C880/C880M-09	"dry" 34.9 Mpa "wet" 37.5 Mpa
Compressive Strength	ASTM C170/C170M-14	"dry" 192 Mpa "wet" 185 Mpa
Breaking Strength	ASTM C 648-09	5100 N
Thermal Expansion	ASTM C531-00(2012)	30.9 × 10^{-6}/°C
Chemical Resistance	ASTM C650-04(2009)	Not Affected
Abrasion Wear Index	ASTM C501-84(2009)	Wear Index: 136

TECHNICAL SPECIFICATION

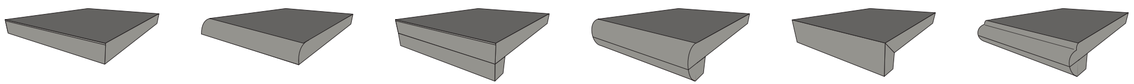
Quartz is one of nature's hardest minerals. Our surfaces are composed of 93% quartz, and are therefore designed to last.

In a unique Daltile process, we take the innate strength of quartz and combine it with numerous polymers and dashes of pigments. The result: A range of durable and beautiful quartz surfaces in a wide variety of colors and finishes.

100% Engineered Stone | **Non Porous** | **Easy to Clean** | **Low Maintenance** | **Shock Resistant** | **Stain Resistant** * | **Scratch Resistant** | **Everlasting Sheen** | **Modern Collection of Colors**

* Only West Village Series

EDGES FOR QUARTZ



EASED
Traditional Edge

DEMI BULLNOSE
Added Movement

LAMINATED
Economically Bold

BULLNOSE LAMINATED
Safe and Modern

MITERED
Seamless Depth

OGEE LAMINATED
Elegance in Curves

ONE **QUARTZ®** FAQ

QUARTZ IS A VERSATILE, DURABLE MATERIAL THAT'S AVAILABLE IN A WIDE RANGE OF COLORS AND STYLES. Also known as engineered stone, quartz is made from a combination of resin and natural quartz crystals. The natural crystals in quartz countertops make each surface unique, while resin gives the material its durability and resistance to everyday wear and tear. Because quartz is a man-made product, this material can be tinted and shaped in a wide variety of ways. Unique colors, edge treatments, inlays and other style accents add to the aesthetic appeal of this product.

In general, engineered stone is less expensive than naturally sourced materials after installation, sealing and maintenance are considered. The exceptional strength, durability and aesthetic appeal of quartz make this product a popular alternative to granite, a stone known for its lasting beauty. In addition, quartz is remarkably easy to maintain.

IS QUARTZ A SAFE COUNTERTOP MATERIAL?

Quartz, or engineered stone, is highly resistant to the routine wear and tear of daily life. Because quartz is made from a tough combination of natural crystals and resin, this product is very durable and long lasting. Quartz is a safe material for bathroom, kitchen or office countertops, but standard precautions must be taken to protect this man-made material from damage and prevent fading of your quartz countertop colors.

Although quartz countertops are resistant to scratches, dents, scuffs, burns and stains, these surfaces can be damaged when exposed to heat or to certain chemicals or tools. Gentle cleaning with a mild detergent and water is all that's required to maintain these surfaces. To keep your quartz countertops safe from damage, take care not to expose them to harsh chemicals, permanent dyes or inks, abrasive cleansers, direct heat or knives and other metal tools.

WHAT COLORS DO QUARTZ COUNTERTOPS COME IN?

Quartz countertops come in a broad spectrum of colors and patterns, from cool pastels to rich, dark tones. Quartz is a man-made material that combines the strength and durability of resin with distinctive of natural quartz crystals. This material can be tinted in a nearly unlimited range of shades to match any interior color scheme. Whether you're decorating a kitchen in warm earth tones or remodeling a bathroom with pink and white surfaces, you can find a shade that complements your decor and any living space.

QUARTZ COLORS AND TREATMENTS

Quartz is an extremely versatile material, which can be tinted, treated or shaped to accommodate almost any homeowner's tastes. When you're shopping for quartz countertops, choosing the perfect color may be challenging. With so many different shades to choose from, it can be difficult to make a decision with confidence. A knowledgeable provider should be able to help you with this stage of the process by giving you a comprehensive overview of your choices and making suggestions for shades that will complement your design.

When it comes to designing a quartz countertop, you aren't limited to traditional, squared edge treatments. There are a number of different edge treatments to choose from, with beveled or rounded styles. Inlays add a touch of elegance to a countertop surface by accenting the contours of the counter. These unique treatments take a countertop a step beyond the ordinary and give your kitchen or bathroom an extra touch of style.

CHOOSING COLORS FOR YOUR COUNTERTOPS

The color of your quartz countertops can make a big difference in the visual dimensions of your kitchen or bathroom. Light colors will create a sense of space, enlarging the room visually. If you have a small kitchen or bath, quartz countertops in white, cream, beige or gray may be preferable to darker, richer tones. In a larger kitchen or a game room, a dark gray, brown or dramatic black surface can add style and elegance to your interior.

The colors you select will affect a room's atmosphere and character. If you're decorating a professional office, a black or charcoal quartz countertop can give your decor a sense of dignity and stability. In a master bathroom, a rich gold or beige creates a look of luxury. The colors of quartz countertops may be variegated with flecks or swirls of various colors that give your countertops the natural appearance of stone.

Most manufacturers come out with new color series on a regular basis. Although the latest trends may be appealing, choose a color that will stand the test of time to get the most value.

QUARTZ IN KITCHENS AND BATHROOMS

Quartz is a non-porous material that does not require a sealant to protect the surface against dirt, moisture or germs. The polymers used to manufacture quartz make the surfaces extremely sturdy and durable. In the kitchen, quartz countertops are resistant to ordinary contact with metal, ceramic, glass or other materials commonly used in cookware. However, quartz countertops should not be scraped with metal tools. When you're cutting food, use a cutting board rather than cutting or slicing directly onto a quartz surface.

In the kitchen, protecting food from exposure to bacteria is a big concern. Quartz countertops are non-porous, meaning that these surfaces are continuous and smooth and do not have any tiny openings in the surface. Unlike wood and some forms of stone, quartz will not absorb water or other liquids. Bacteria have no place to grow on a quartz surface, as long as it's wiped clean after preparing food. Use a cutting board made of marble or another non porous material to avoid scratching your countertops.

Germs tend to collect in bathrooms as well as kitchens. The moisture and warmth that gather in the bathroom make it a breeding ground for bacteria, mold and mildew. A sink or vanity topped with quartz offers protection against bacterial growth as well as longevity and beauty. With regular cleaning, quartz countertops keep bathrooms sanitary by discouraging the growth of bacteria, mold and mildew. When cleaning quartz countertops, do not use bleach or other harsh or abrasive cleansers. Bleach may discolor or damage a quartz counter.

ONE **QUARTZ®** FAQ

FINAL CONSIDERATIONS

When you're shopping for quartz countertops, you'll soon find that you have many choices in style and color. Because quartz countertops are man-made, this material can be manufactured in nearly any color. You can choose from a wide range of countertop edge treatments, from traditional rounded or cornered styles to more dramatic looks.

The cost and performance of quartz countertops increases their appeal to homeowners who are looking for resilience and aesthetic value at a competitive price to other alternatives. As you search for quartz countertops, look for a reliable provider with a reputation for quality craftsmanship. Because the supplier you choose may also install the product, it's important to review the quality of the company's labor as well as the quality of its products before you make this important investment.

WHAT MAINTENANCE IS REQUIRED FOR QUARTZ COUNTERTOPS?

Low maintenance requirements make quartz countertops appealing to many homeowners. Quartz countertops are manufactured with a combination of hard quartz crystals and durable resin polymers that make them extremely resilient. In addition, the leading manufacturers provide a 10 to 15 year limited warranty that covers manufacturer's defects. Routine care and cleaning is very simple, and with basic precautions to prevent stains, dents or scratches, safe quartz countertops can lend beauty and a sense of permanence to a home for decades.

Manufacturer's warranties will not cover damages caused by the owner's use of the product unless damage is linked to an error made by the company. Your quartz countertops must be installed by a professional contractor in order to be covered by the warranty, in most cases. Follow the manufacturer's specific recommendations for maintaining your new countertops to get the maximum value from this investment.

ROUTINE CARE AND CLEANING

With the right care, quartz countertops can lend aesthetic appeal to your kitchen, bathroom or office for years. Quartz can be cleaned easily with a mild detergent, water and a soft cloth or paper towel. Abrasive cleansers or harsh scouring pads and cleansers that contain bleach should not be used with quartz. Engineered stone surfaces do not require polishing to keep them shiny and smooth, but they should be cleaned gently to maintain their distinctive shine.

A rounded plastic knife should be used to remove dried foods or liquids on a quartz surface. Dried paint or grease can be gently scraped away with a plastic knife. Avoid using metal knives and utensils directly on the countertop, as metal may scratch the quartz.

Grease from cooking is a concern in many kitchens. To remove grease from your quartz countertops, use a product recommended by your manufacturer. Harsh cleansers should not be used to remove grease or other cooking stains. Gently scrape away hardened grease with a plastic knife before applying cleanser.

PREVENTING STAINS AND SCRATCHES

While quartz countertops are resistant to scratches, scuffs, dents, stains and burns, these surfaces are not damage-proof. Homeowners must take care to avoid exposing quartz countertops to permanent inks, markers or dyes, as these substances may not be removable. If a countertop is marked by a permanent marker or dye, rinse the area with water as soon as possible, then apply a cleansing product approved by the manufacturer if the stain is still visible. Clean the area again with water after applying the cleanser.

Turpentine and other paint stripping products may damage or discolor a quartz surface. To be on the safe side, avoid exposing quartz to any strong chemicals or solvents unless your manufacturer recommends them for use in removing stubborn stains or hardened grease. If exposure to a potentially harmful chemical solvent occurs, clean the area with water immediately.

Quartz countertops can be damaged by direct exposure to heat. When cooking, use trivets or heating pads to guard the countertop surface against direct exposure to hot cookware or coffee pots. Although quartz is resistant to stains from juice, wine, coffee and other food substances, it is best to wipe up spills immediately to prevent possible stains. When chopping vegetables, slicing bread or preparing other foods with sharp utensils, use a cutting board to prevent scratches.

Very little maintenance is required for quartz countertops. This engineered product does not require sealants, and its non-porous surface makes it a durable, sanitary option for kitchens or bathrooms. To ensure that you get the most life from your countertops and that your warranty covers any unexpected damages, follow the manufacturer's instructions for care and quartz countertop maintenance.

PROTECTING QUARTZ SURFACES

Quartz countertops can stand up to a lot of wear and tear, but they shouldn't be exposed to excessive impact or harsh chemicals. In the kitchen, use hot pads or trivets on your countertops to prevent hot skillets or pots from making contact with quartz surfaces. In the bathroom, curling irons and other heated appliances shouldn't be left sitting on sinks or vanities.

Although quartz is non porous and resists stains, liquid spills should be wiped up promptly. Coffee, wine, vinegar, lemon juice and other liquids should not be allowed to sit on a quartz countertop for long periods of time. If permanent dye or ink is spilled on the counter, rinse the area promptly with water, then use a cleanser approved by the manufacturer for removing permanent stains. If you need to scrape dried food or paint or hardened grease off a quartz countertop, use a rounded plastic utensil, like a putty knife.

To get the maximum use from this investment, choose quartz countertops that are covered by a warranty. A manufacturer's warranty will replace or repair a countertop if it shows evidence of a manufacturer's defect. With a reliable warranty and proper care, quartz is a safe countertop material.

PHOTOGRAPHY INDEX

COVER PHOTO

Independence Calacatta on the countertop.

PAGES 3-4 (LEFT TO RIGHT)

West Village Series Broadway Black on the countertop.

West Village Series Astor Grey on the countertop & backsplash.

West Village Series Barclay Tan on the countertop.

PAGE 5-6 (LEFT TO RIGHT)

Noble Grey on the countertop.

Patriotic Calacatta on the countertop.

PAGE 11-12 (LEFT TO RIGHT)

Avenue White on the countertop.

Valor White on the counter and backsplash.

PAGE 17-18 (LEFT TO RIGHT)

Carrara Aura on the bottom counter block.

Broadway Black on the top counter block.

PAGES 21-22 (LEFT TO RIGHT)

White Ice on the countertop.

Chipped Ice on the countertop.

Daltile | 7834 C.F. Hawn Freeway | Dallas, Texas 75217 | 214.398.1411 | 800.933.TILE
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Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-005_CT-001-JG

Real Living Decor Package

Issue Date: Nov 23, 2022
Revision Date:

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	JG Edelen
Model	EHS-836
Dimensions	Refer to Design Guideline Drawings
Color	Goldfield
Finish	Polished Straight Edge
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Finish	Polished Straight Edge
Notes	Refer to drawings for edge profile Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

Label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

AREAS

Hub
On Us
Buffet

Real Living Decor Package

Issue Date: Nov 23, 2022
Revision Date:

ALTERNATE MANUFACTURER 2

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 3

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 4

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

Flex
Fitness Center
Employee Areas
Public Restrooms
Hydration Station

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-005_CT-001-MG

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Mgroup
Model	UltraCera
Dimensions	2cm
Color	Kachine Peak - 3007
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Notes	Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 2

Vendor Name: Belstone

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 3

Vendor Name: Designer Tile & Stone
Contact Name: Timi Mustapha
Phone: 301.325.1981
Email: timi@designertilestone.com

ALTERNATE MANUFACTURER 4

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

Public Restrooms
Elevator Lobby
Hydration Station

KACHINA PEAK- 30(

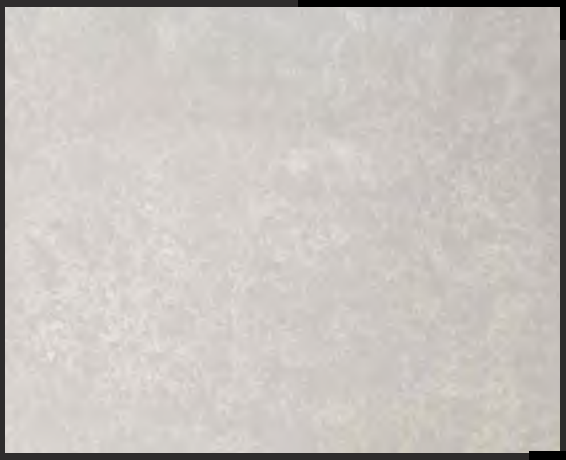
GROUP

ULTRACERA®
NextGeneration Composite Ecosurface

TECHNICAL SPECIFICATIOI

COMPRESSIVE STRENGTH (DRY): (ASTM C17(17) 256 Mp
DENSITY: (ASTM C9 18 2400) kg/m
WATER ABSORPTION: (ASTM C9 18) 0.03
THICKNESS: Standard 2cm or 3cm. Custom Availab
ABRASION RESISTANCE: (ASTM C241-15) 4
MOHS HARDNESS: (EN 15771) Averages
STAIN RESISTANCE: (ANSI Z124.6-07) Pa
CHEMICAL RESISTANCE: (ASTM C650) Not Affecte
FLEXURAL STRENGTH (DRY): (ASTM C88(14) 48.5Mp
THERMAL SHOCK RESISTANCE: (ASTM C484) No Defe
MODULUS OF RUPTURE: (ASTM C99) 3
FINISH: Polished Standard (level 6000 availabl
EDGE: Eased Standard—Fully Customizable Fabricatic
FIRE RATING: (ASTM E84) Class

KACHINA PEA



*SAMPLE IMAGE FOR REFERENCE ONL

APPLICATIO

Vanity Top
Kitchen Top
Window S
Desk Top
Dresser Top
Threshol
Wall Claddir

NOTI

Patent Pendir
0% Acrylic Solid Surfac
Non-Silica Based Produ
For More Information On What UltraCera® Is, And What It Is Not: Please Visit UltraCeraTops.co
Herein Are Subject To Change Without Notice Due To Constant Product And Engineering Improvement

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-005_CT-001-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Wilsonart International, Inc.
Model	Q4007
Dimensions	3/4" Thick
Color	Duomo
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Fire/Smoke Rating	ASTM E84 Class 1 (NFPA Class A) FS-25 or less.
Structural Performance	Mohs Hardness Scale: 6 to 6.5. Density: Not less than 2 g/cm3 when tested per ASTM C97.
Thermal Performance	Thermal shock: Pass 5 cycles, tested per ASTM C484.
Best Practices	UL Greenguard certified
Quality Standards	NSF/ANSI 51 Certified. Stain resistance: Passes ANSI Z124.6. Water absorption: Maximum 0.04 percent, tested per ASTM C97. Chemical resistance: Not Affected when tested per ASTM C650.
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	N
Thickness	3/4"
Finish	Polished
Warranty	One (1) year minimum warranty against defects in materials and workmanship. Commercial Lifetime warranty
Notes	Refer to drawings for edge profile. Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date: **Nov 23, 2022**

1981; timi@designertilestone.com;
www.designertilestone.com

SPECIAL INSTRUCTIONS

Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2'-0" apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
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Vendor Name: Designer Tile & Stone
Contact Name: Timi Mustapha
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ALTERNATE MANUFACTURER 4

Vendor Name: Belstone
Contact Name: Jared Holdridge
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Email: jared@belstoneproducts.com

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Public Restrooms
Elevator Lobby
Hydration Station

TECHNICAL DATA
Wilsonart® Quartz

Wilsonart
2501 Wilsonart Drive
P.O. Box 6110
Temple, TX 76503-6110

1. Distributor

Wilsonart LLC
2501 Wilsonart Drive
P.O. Box 6110
Temple, Texas 76503-6110
Toll-Free: 800-433-3222
Website: www.wilsonart.com

2. Product Descriptions

Product Composition

Wilsonart® Quartz is manufactured with up to 93 percent high quality natural quartz crystals, high quality polyester binders, and proprietary coloring agents that are homogeneous, with uniform color throughout their thickness.

Basic Limitations

Wilsonart® Quartz is designed for interior use only, ideal for residential and commercial applications. Wilsonart Quartz is a solid, non-porous, highly durable surface and resistant to scratching, staining, and water absorption and is virtually maintenance free.

Fabrication

Refer to the Wilsonart Quartz Fabrication Manual or contact a Wilsonart® Quartz Fabricator or Distributor for details.

Colors and Finishes

Wilsonart® Quartz has created a wide array of colors. Wilsonart Quartz is available in a polished finish.
Glossometer reading: >45

Sheet Dimensions:

	Wilsonart® Quartz Standard Size
Available Sizes	120” (306 cm) x 55” (140 cm), 120” (306 cm) x 63” (160 cm), 126” (320 cm) x 63” (160 cm), 130” (330 cm) x 65” (166 cm)
Thickness	Product Type 062 = 0.79" (2 cm) ± 0.060"(0.15 cm)
Thickness	Product Type 063 = 1.18" (3 cm) ± 0.060"(0.15 cm)
Approximate Weight	Product Type 062 = 10 lbs./ft^2 (2 cm)
Approximate Weight	Product Type 063 = 15 lbs./ft^2 (3 cm)

* Please consult Wilsonart® Quartz Design Library on www.wilsonart.com for available slab sizes by pattern

Physical Properties

Test Description	**Typical Results**	**Test**
Flexural Strength (psi)	>6,000	ASTM D 790
	31 - 75	EN14617-2
Thermal Expansion Coefficient	16 x 10^{-6} - 20.8 x 10^{-6*}	EN14617-11
Impact Resistance	3.4 – 7.35	EN14617-9
Stain Resistance	No Effect	EN14617-10
High Temperature Heat Resistance	No Effect to Slight Effect	ISO 4586
Chemical Resistance (acids and bases)	C4	EN14617-10
Abrasion Resistance	>100	ASTM C501
	23.6 – 27.5	EN14617-4

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Density (g/cm^3)	>2.1	ASTM C97
Compressive Strength (One Axis – Dry) (psi)	>20,000	ASTM C170
Moisture Absorption	<0.03	ASTM C97
	<0.03	EN14617-1
Freeze and Thaw Resistance	0.999	EN14617-5
Fire Behavior	Class 1/A Rating	ASTM E 84

**Test results vary slightly depending on pattern.*
The information contained in this section is based on technical data which Wilsonart LLC believes to be reliable, and is intended for use by persons having knowledge of this technical area at their own discretion.

Certifications
Wilsonart® Quartz is UL GREENGUARD Standard and Gold Standard Certified for low chemical emissions.
NSF 51 Food Zone and FDA food contact compliant.
Wilsonart Quartz is Kosher certified under the Kashruth Division of the Orthodox Union.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Quartz per ISO 4586-2 Method 31 (B)
No effect was exhibited except as noted (* or **) on the following:

1. Beckart Environmental (Stabilized Chlorine Dioxide Mixed with Water at 3000ppm)
2. Benefect® *
3. Claire® Germicidal Cleaner (Country Fresh Scent) **
4. Claire® Disinfectant Spray Q (Country Fresh Scent) **
5. Clean Republic – All Purpose Everyday Cleaner (Hypochlorous Acid – 0.003% Solution)
6. Clorox® Anywhere® Hard Surface Sanitizing Spray *
7. Clorox® Clean-Up (Cleaner & Bleach)
8. Clorox® Disinfecting Bleach w/6% Sodium Hypochlorite (24:1/Water:Bleach)
9. Clorox® Disinfecting Spray
10. Clorox® Disinfecting Wipes
11. Clorox Healthcare® Bleach Germicidal Cleaner *
12. Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant *
13. Clorox Healthcare® Fuzion® Cleaner Disinfectant *
14. Clorox Healthcare® VersaSure® Cleaner Disinfectant Wipes
15. Clorox® Total 360 Disinfectant Cleaner
16. Diversey™ Expose® II 256 *
17. Diversey™ Oxivir 1 *
18. Diversey™ Oxivir Tb Wipes *
19. Diversey™ Stride® Floral Neutral Cleaner
20. Diversey™ Virex® II 256 *
21. Fabuloso® Complete (Multi-Purpose Cleaner)
22. Lysol® Professional Disinfectant Spray
23. Microban® 24 Hour (Multi-Purpose Cleaner)
24. PDI Sani-Prime® Germicidal Spray
25. PDI Super Sani-Cloth® Germicidal Disposable Wipes
26. PURELL® Advanced Hand Sanitizer Gel *
27. Purell® Food Service Surface Sanitizer *
28. Purell® Professional Surface Disinfectant *
29. Purell® Healthcare Surface Disinfectant *
30. Simple Green® Concentrated (All-Purpose Cleaner)
31. Spic and Span® Everyday (Antibacterial Cleaner)

Test procedure: Listed materials were placed in contact with Wilsonart® Quartz surface under 1" (25.4mm) diameter watch cover glass for 16 hours duration prior to evaluation for effect. The branded cleaners and sanitizers listed above were cleaned with water only.

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* Causes slight change of gloss or color.
** Causes slight damage, with degree of damage proportionate to length of exposure and concentration.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Quartz per BIFMA HCF 8.1-2014 (Section 6 / Modified)
No effect was exhibited except as noted (* or **) on the following:

1. Beckart Environmental, Inc. (Stabilized Chlorine Dioxide Mixed with Water at 3000ppm)
2. Benefect®
3. Claire® Germicidal Cleaner (Country Fresh Scent)
4. Claire® Disinfectant Spray Q (Country Fresh Scent)
5. Clean Republic – All Purpose Everyday Cleaner (Hypochlorous Acid – 0.003% Solution)
6. Clorox® Anywhere® Hard Surface Sanitizing Spray
7. Clorox® Clean-Up (Cleaner & Bleach)
8. Clorox® Disinfecting Bleach w/6% Sodium Hypochlorite (24:1/Water:Bleach)
9. Clorox® Disinfecting Spray
10. Clorox® Disinfecting Wipes
11. Clorox Healthcare® Bleach Germicidal Cleaner
12. Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant *
13. Clorox Healthcare® Fuzion® Cleaner Disinfectant
14. Clorox Healthcare® VersaSure® Cleaner Disinfectant Wipes
15. Clorox® Total 360 Disinfectant Cleaner
16. Diversey™ Expose II 256
17. Diversey™ Oxivir 1 *
18. Diversey™ Stride® Floral Neutral Cleaner
19. Diversey™ Tb Wipes *
20. Diversey™ Virex II 256
21. Fabuloso® Complete (Multi-Purpose Cleaner)
22. Lysol® Professional Disinfectant Spray
23. Microban® 24 Hour (Multi-Purpose Cleaner)
24. PDI Sani-Prime® Germicidal Spray
25. PDI Super Sani-Cloth® Germicidal Disposable Wipes
26. PURELL® Advanced Hand Sanitizer Gel
27. Purell® Food Service Surface Sanitizer
28. Purell® Professional Surface Disinfectant
29. Purell® Healthcare Surface Disinfectant
30. Simple Green® Concentrated (All-Purpose Cleaner)
31. Spic and Span® Everyday (Antibacterial Cleaner)

Test procedure: Listed reagent materials were placed in contact with Wilsonart® Quartz surface with a one-inch square 100% cotton cloth completely saturated and covered with a 2” (50.8mm) diameter watch cover glass for 15 minute duration. The reagents listed above were removed with clean cloth and the area was then cleaned with clean cloth and distilled water only. The surface area was allowed to dry for 1-hour prior to evaluation for effect.
* Causes slight change of gloss or color.
** Causes slight damage, with degree of damage proportionate to length of exposure and concentration.

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3. Care and Maintenance

4. Warranty

5. **Customer Service**
   For samples, literature, questions, technical assistance, or warranty information, please contact our toll-free Hotline at (800) 433-3222, Monday through Friday, 8 am – 5 pm CST, or visit our website at www.wilsonart.com.

Quartz Tech Data
Revised: July 9, 2020
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Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-005_LA-001-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Plastic Laminate
Item Type	Type 107 General Purpose (HGS) Laminate
Description	General purpose laminate product
Manufacturer	Wilsonart
Model	#15504-31
Dimensions	0.045" Plus Minus 0.005" Thickness, Standard Sheet Widths 36", 48", 60" x Standard Sheet Lengths 96", 120", 144"
Color	Charcoal
Finish	31 Traceless
Material Composition	Melamine impregnated deccorative surface papers combined with fire retardant phenolic treated kraft paper
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI 3. A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Charcoal 15504-31
Warranty	1 Year
Notes	Recommended substrates for laminates are Particleboard, Medium Density Fiberboard (MDF) or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates. Refer to Design Guide Project Master, Section 12 32 16 for Casework and 12 36 23 for Countertops.

SPECIAL INSTRUCTIONS

All substrates should be sanded smooth, and should be clean and free of oil or grease, and uniform in thickness.

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

AREAS

Welcome Desk
On Us
Buffet

ALTERNATE MANUFACTURER 2	Flex Fitness Center Employee Areas Elevator Lobby Entrance Vestibule
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

TECHNICAL DATA
Wilsonart® Laminate
Basic Types 107, 335, 350

Wilsonart®
ENGINEERED SURFACES

2501 Wilsonart Dr
PO Box 6110
Temple, TX 76503-6110

1. Manufacturer

Wilsonart LLC
2501 Wilsonart Drive
P.O. Box 6110
Temple, Texas 76503-6110
Phone: (254) 207-7000; (800) 433-3222
Fax: (254) 207-2384
Web Site: www.wilsonart.com

2. Product Description

Recommended Uses

Wilsonart® Laminate, types 107, 335, and 350, is suitable for use on fine quality residential and contract furniture, fixtures and casework, and also for architectural application on columns, wainscoting, valances, cornices, interior doors and divider systems.

- **General Purpose (HGS) Type 107** is most frequently used for work surfaces on counters, islands, vanities, desks and tables. Typical vertical uses include surfacing for wall panels, teller cages and the front panels of workstations, such as those in hospitals, airports and restaurants. Type 107 is produced for both horizontal and vertical interior applications where the surface must be functional, durable and decorative.
- **Vertical Surface (VGP) Type 335** is the usual choice to surface cabinet walls, doors and drawer panels. It often appears on the vertical surfaces of desks, restaurants booths and maître d' stations, and as architectural cladding. Type 335 is intended for vertical applications where a functional, durable, decorative surface must absorb somewhat less impact than a comparable horizontal surface. VGP surfaces may be postformed to achieve radius edges.
- **Postforming (HGP) Type 350** adds the decorative capability of a soft edge to any typical laminate use. Common applications of post forming laminates are formed edges for counters, desktops, cabinet doors and drawer panels. Type 350 is intended for use on vertical and horizontal interior surfaces where it is necessary or desirable to roll the laminate on a simple radius over the edge of the substrate. This eliminates seams and leaves an attractive surface.

Product Composition

Decorative surface papers impregnated with melamine resins are pressed over Kraft paper core sheets impregnated with phenolic resin. These sheets are then bonded at pressures greater than 1000 pounds per square inch at temperatures approaching 300°F (149°C). Finished sheets are trimmed, and the backs are sanded to facilitate bonding.

Basic Limitations

Wilsonart Laminate is for interior use only and is not recommended for direct application to plaster, concrete walls, or gypsum wallboard. It is not structural material and must be bonded to a suitable substrate.

Do not subject Wilsonart Laminate to extremes in humidity, temperatures higher than 275°F (135°C) for substantial periods of time, or intense, continuous, direct sunlight.

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Patterns & Colors
Available in the full range of Wilsonart solid colors, stones, marbles, woodgrains, leathers and patterns. See all patterns and colors at www.wilsonart.com. Please see actual sample before specifying.

Finishes – Confirm finish availability on individual designs by going to www.wilsonart.com

- #01 High Gloss - Premium
  A mirror sheen finish, which gives a smooth, brilliant appearance. #01-High Gloss finish also features AEON™™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and can be used for horizontal applications such as countertops and light-to-medium commercial applications. Excellent for vertical applications and carries a premium upcharge.
  Nominal Glossometer Reading = 110
- #07 Textured Gloss - Premium
  A fine textured finish with a sheen level indicative of a waxed wood, polished stone, or other moderately reflective materials. #07 finish features AEON™™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 42
- #12 SoftGrain - Premium
  A dense wood grain structure that is low gloss and soft to the touch. Subtle highlights of reflectivity randomly occur within the embossed grains, creating a sophisticated raw wood look. #12 finish features AEON™™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 8
- #16 Casual Rustic - Premium
  A woodgrain texture with a blend of grain variations ranging from linear to subtle movement with random, irregular features. The overall low gloss surface is accented with higher sheen woodgrain ticking and random highlights. #16 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 6
- #18 Linearity - Premium
  A directional texture running the length of the sheet, having a narrow, random and matte-gloss linear quality. It is complementary to linear wood-grains, and linear patterns (such as the “Satin” series), and provides dimension and visual movement to solid colors. #18 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 18
- #19 Leno Weave – Premium
  Random intersecting horizontal and vertical lines create a geometric weave with a matte-gloss finish. Recommended for horizontal and vertical applications. #19 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 15
- #21 Soft Silk – Premium
  A smooth, ultra-matte finish with a silky, soft touch. This minimalist finish gives the surface a genuine stone feel. Recommended for horizontal and vertical applications. #21 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge,
  Nominal Glossometer Reading = 8
- #22 Antique - Premium
  A mixture of varying low gloss features combined with organic movement, indicative of the surface of an aged stone or an antique metal. Recommended for horizontal and vertical

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applications. Antique features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
Nominal Glossometer Reading = 9

- #28 Gloss Line - Premium
  A linear woodgrain texture with varied widths of narrow grain structures in an alternating mix of matte and gloss surfaces areas. Recommended for horizontal and vertical applications. Gloss Line features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 5
- #35 Mirage-Ultra Premium
  Subtle variations in matte and gloss finish connect to nature's own finishes: rough and weathered, smooth and polished. Wilsonart HD premium pricing. Recommended for horizontal and vertical applications.
  Nominal Gloss Reading = 50
- #38 Fine Velvet Texture
  A smooth textured finish with moderate reflective value.
  Nominal Glossometer Reading = 14
- #52 Quarry - Premium
  Premium finish emulating the "pitted" look of polished natural stone. Recommended for horizontal and vertical applications. #52 features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 55
- #55 Glaze-Ultra Premium
  A layering of matte features over a semi-gloss glaze, creates this timeworn effect. Wilsonart HD premium pricing. Recommended for horizontal and vertical application.
  Nominal Gloss Reading = 25
- #57 Aligned Oak – HD Premium
  Authentic realism is brought to the surfaces using synchronized texture as each elegantly aged oak design exhibits the natural dimension and feel or real world. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 7
- #60 Matte
  Textured finish with a moderate reflective quality. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 10
- #78 FineGrain - Premium
  The FineGrain premium finish features the polish and luxe of a real wood veneer, with a subtle, narrow grain structure that runs the length of the sheet. #78 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium.
  Nominal Glossometer Reading = 38

NOTE: Nominal Glossometer readings are made at a 60° angle of incidence.

Finish Availability: Not all finishes are available in all patterns and colors. Some finish options have limited size availability. Please check with your Wilsonart representative or consult the pattern availability lookup on our website at www.wilsonart.com, to verify size availability by finish type.

Standard Sheet Widths

36"	48"	60"
914mm	1219mm	1524mm

Standard Sheet Lengths

96"	120"	144"
2438mm	3048mm	3658mm

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NOTE: Not all sizes are available from stock; contact your Wilsonart representative for details on local availability. Minimums apply to non-standard designs and finishes in sizes other than 48"x96" and 60"x144". Please check with your Wilsonart representative.

Thickness and Weight

Description	107	335	350
Thickness	0.045" ± 0.005" (1.14mm ± 0.13mm)	0.028" + 0.001 - 0.004" (0.71mm + 0.03 - 0.10mm)	0.036" ± 0.005" (0.91mm ± 0.13mm)
Weight per square foot	0.322#	0.186#	0.260#

3. Technical Data

Physical Properties of General Purpose Laminates

ISO 4586 Test	Typical Wilsonart Type 107	ISO 4586-3 HGS
Thickness	**0.045" ± 0.005" (1.14mm ± 0.13mm)**	N/A
Appearance	**N/A**	N/A
Light Resistance	**Slight effect**	Slight Effect
Cleanability (cycles)	**10**	10
Stain Resistance Reagents 1-10 Reagents 11-15	 **No effect** **Slight effect**	 No effect Moderate effect
Boiling Water Resistance	**Slight Effect (Gloss)** **No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
High Temperature Resistance	**Slight effect**	Slight Effect (Gloss) No Effect (Other Finishes)
Impact Resistance	**65" (1651mm)**	31.5" (800mm)
Radiant Heat Resistance	**210 seconds**	≥ 200 sec.
Dimensional Stability Machine Direction Cross Direction	 **0.3%** **0.7%**	 1.1% (max.) 1.4% (max.)
Surface Wear Resistance (cycles)	**Meets or Exceeds 400**	350 (min.)
Formability	**Not applicable**	Not applicable
Blistering	**Not applicable**	Not applicable

Physical Properties of Vertical Surface Laminates

ISO 4586 Test	Typical Wilsonart Type 335	ISO 4586-3 VGP
Thickness	**0.028" + 0.001 - 0.004" (0.7mm + 0.03 - 0.10mm)**	N/A
Appearance	**N/A**	N/A
Light Resistance	**Slight effect**	Slight effect
Cleanability (cycles)	**10**	20 (max.)
Stain Resistance Reagents 1-10 Reagents 11-15	 **No effect** **Slight effect**	 No effect Moderate effect

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Boiling Water Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
High Temperature Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
Impact Resistance	**40" (1016mm)**	23.5" (600mm)
Radiant Heat Resistance	**200 seconds**	≥ 200 sec.
Dimensional Stability Machine Direction Cross Direction	**0.5% 0.8%**	1.1% (max.) 1.4% (max.)
Surface Wear Resistance (cycles)	**Meets or Exceeds 400**	350 (min.)
Formability	**5/16" radius (7.93mm)**	7/16" radius (11mm) 9/16" radius(14.7mm)
Blistering	**45 seconds**	≥ 40 seconds

*Radius for face is actually the radius of the form around which the laminate is postformed. The radius for back is actually the radius to which the decorative face is postformed.

Physical Properties of Postforming Laminate

ISO 4586 Test	**Typical Wilsonart Type 350**	**ISO 4586-3 HGP**
Thickness	**0.036" ± 0.005" (0.91mm ± 0.13mm)**	0.039" ± 0.005" (1mm ± 0.12mm)
Appearance	**N/A**	N/A
Light Resistance	**Slight effect**	Slight effect
Cleanability **(cycles)**	**10**	20
Stain Resistance Reagents 1-10 Reagents 11-15	**No effect Slight effect**	No effect Moderate effect
Boiling Water Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
High Temperature Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
Impact Resistance	**55" (1397mm)**	31.5" (800mm)
Radiant Heat Resistance	**205 seconds**	≥ 200 sec.
Dimensional Stability Machine Direction Cross Direction	**0.5% 0.8%**	1.1% (max.) 1.4% (max.)
Surface Wear Resistance (cycles)	**Meets or Exceeds 400**	350 (min.)
Formability*	***5/16" face (7.93mm) *3/8" back (9.52mm)**	*9/16" face (14.27mm) *3/4" back (19.05mm)
Blistering	**65 seconds**	≥ 40 seconds

*Radius for face is actually the radius of the form around which the laminate is postformed. The radius for back is actually the radius to which the decorative face is postformed.

Typical Fire Test Data

High-pressure laminates are subject to Flame Spread and Smoke Developed standards in structures where codes establish such conditions.

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Test data to determine compliance with these codes are obtained by the Steiner Tunnel Test method of the American Society for Testing Materials (ASTM-E-84, Standard Test Method for Surface Burning Characteristics of Building Materials). Tests were conducted in accordance with test method and mounting procedure as described in paragraph X1.7.2 of the test method. This procedure is cataloged by Underwriters Laboratories, Inc. as UL 723.
Here is typical data for Wilsonart laminates, averaged from two specific tests:

Typical Flame Spread and Smoke Developed Properties

Product Type	Test Condition	Flame Spread	Smoke Developed
General Purpose Type 107	Unbonded	50	45
Vertical Surface Type 335	Unbonded	45	40
Postforming Type 350	Unbonded	60	35
General Purpose Type 107	Bonded with contact adhesive to particleboard substrate; 3/8"	40	100
Vertical Surface Type 335	Bonded with contact adhesive to particleboard substrate; 3/8"	40	155
Postforming Type 350	Bonded with contact adhesive to particleboard substrate; 3/8"	50	140

When you wish to specify decorative laminate for a Class I or A fire rating, please refer to the Fire-Rated Laminate Tech Data.

Model Code Designations used to determine flame spread classification

Flame Spread Classification (Max. Rating)	International (IBC)	Life Safety (NFPA 101)
25	A	A
75	B	B
200	C	C

RE: Architectural Woodwork Quality Standard, 8th Edition, Version 1.0, - 2003

All Model Codes regulate the generation of smoke by interior finish material. In all cases they specify a maximum smoke development rating of 450.

Codes and Certifications

General Standards
Wilsonart Laminates, types 107, 335 and 350, conform to the voluntary standards of the American National Standards Institute, for thickness, performance properties and appearance. Wilsonart Laminates 107,335 and 350 meet or exceed the International Standards Organization specifications as found in ISO 4586, titled "High-Pressure Decorative Laminate (HPDL) – Sheets Based on Thermosetting Resins – Part I: specifications."

Specific Product Standards
U.S. Federal Specification L-P 508H, April 9, 1977, "Plastic Sheets, Laminated, Decorative and Non-decorative." Spells out criteria for decorative laminates for federal installations. Wilsonart 107, 335 and 350 laminates comply.

NSF International (NSF) #35 "Laminated Plastic for Surfacing for Food Service Equipment." All solid colors and printed patterns in Basic Types 107, 335 and 350, comply.

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U.S. Federal Register, August 9, 1984, Housing and Urban Development Mobile Home Construction and Safety Standard, (24CFR) 3280.203. General Purpose Type 107 and Vertical Surface Type 335 comply.

U.S. Federal Test Method, Federal Aviation Regulation, DOT, Part 25.853, Airworthiness Standards: Transport Category Airplane (Interior Finish). Vertical Surface Type 335 and Postforming Type 350 comply with parts A and C.

U.S. Federal Motor Vehicle Safety Standard (FMVSS) 302, "Flammability of Interior Materials." Basic Types 107, 335 and 350 comply.

U.S. Military Standard MIL-P-17171E (SHIPS)/Plastic Laminate. General Purpose Type 107 complies.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Laminate
No effect was exhibited except as noted (* or **) on the following:

1. Clorox Healthcare Bleach Germicidal Cleaner *
2. Clorox Healthcare Versa Sure Cleaner Disinfectant Wipes
3. Oxivir TB
4. Oxivir 1
5. Virex II 256
6. Benefect
7. PDI Super Sani-Cloth Germicidal Disposable Wipes
8. PDI Sani-Prime Germicidal Spray
9. Expose II 256
10. Stride Floral Neutral Cleaner *
11. PURELL Advanced Instant Hand Sanitizer *

Test procedure: Listed materials were placed in contact with Wilsonart® Laminate surface under 1" (25.4mm) diameter watch cover glass for 16 hours duration prior to evaluation for effect. The branded cleaners and sanitizers listed above were cleaned with water only.

* *Causes slight change of gloss or color.*
** *Causes slight damage, with degree of damage proportionate to length of exposure and concentration.*

4. <u>Installation: Fabrication and Assembly Recommendations</u>

Fabrication should follow approved methods. Assembled pieces should meet the specifications of KCMA (Kitchen Cabinetmakers Manufacturers Association), ANSI A-161.2-1998 (revised), and "Architectural Woodwork Quality Standards, Guide Specifications and Quality Certification Program" guidelines of the Architectural Woodwork Institute where applicable.

Wilsonart laminates must be bonded to a substrate of reliable quality, such as particleboard, medium density fiberboard or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates. Basic Types laminate may not be used as structural members.

Bond with adhesives and follow the techniques recommended by the adhesive manufacturer. Recommended adhesives are permanent types, such as urea and polyvinyl acetate (PVA), and contact types. Wilsonart adhesives are recommended for most bonding conditions.

To avoid stress cracking, do not use square-cut inside corners. All inside corners should have a minimum of 1/8" (3.175mm) radius and all edges should be routed smooth.

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Drill oversized holes for screws or bolts. Screws or bolts should be slightly countersunk into the face side of a laminate-clad substrate.
Take care to ensure an appropriate acclimation between the laminate and the substrate prior to fabrication. The face and backing laminates and the substrate should be conditioned in the same environment for 48 hours before fabrication.
Recommended conditioning temperature is about 75°F (24°C). Laminates should be conditioned at 45% to 55% relative humidity.

With postforming machinery, Wilsonart 335 and 350 will postform at a nominal sheet temperature range of 325°F to 338°F (163°C to 170°C) in 20 ± 5 seconds.

Carbide-tipped saw and router blades should be used for cutting. High tool speed and low feed speed are advisable. Cutting blades should be kept sharp. Use a hold-down to prevent any vibration.

5. **Warranty**

6. **Maintenance**

7. **Technical Services**

For samples, literature, questions or technical assistance, please contact our toll-free Hotline at (800) 433-3222, Monday through Friday, 8 am – 5 pm, CST.

Specification Form:

Surface shall be Wilsonart® Laminate, produced by Wilsonart LLC, Temple, Texas 76503-6110

Type: Specify 107, 335 or 350

Surface
Color Number: _____ Color Name: _____

Finish
Number: _____ Name: _____

Edge Trim
Color Number: _____ Color Name: _____

Adhesive
Name: _____ Grade/Type: _____
Brand: Wilsonart® Adhesive

Wilsonart® Laminate Technical Data
Basic Types 107, 335, 350
Revised: September 12, 2019
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Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-005_LA-002-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Plastic Laminate
Item Type	Type 107 General Purpose (HGS) Laminate
Description	General purpose laminate product
Manufacturer	Wilsonart
Model	#7850-12
Dimensions	0.045" Plus Minus 0.005" Thickness, Standard Sheet Widths 36", 48", 60" x Standard Sheet Lengths 96", 120", 144"
Color	Beigewood
Finish	SoftGrain
Material Composition	Melamine impregnated deccorative surface papers combined with fire retardant phenolic treated kraft paper
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023 - Interior Architectural Woodwork
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Beigewood 7850-12
Warranty	1 Year
Notes	Recommended substrates for laminates are Particleboard, Medium Density Fiberboard (MDF) or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates.

SPECIAL INSTRUCTIONS

1. Run grain direction vertically unless noted otherwise.
2. PVC Edgebanding:
a. Exposed Ends: Grade VGS plastic laminate or minimum 0.030-inch thick PVC edge banding. Color to match exposed faces.
b. Semi-exposed Ends; Grade VGS plastic laminate or minimum 0.030-inch thick PVC edge banding. Color to match exposed faces.
3. Melamine at all vertical surfaces/HPL at all horizontal surfaces
4. Elevator Interior Cab: Materials shall comply with NEMA LD-3
a. Fire-Retardant Treated Particleboard Panels : Minimum ½-inch thick backup for plastic laminate veneered panels, provided with suitable anti-warp backing; to meet ASTM E84 Class “A” rating with flame-spread rating of 25 or less.

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New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-005_LA-002-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk
In-A-Pinch
Connection Center
Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Public Restrooms
Elevator Lobby
Administration
Lobby
Breakfast

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-005_LA-006-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Plastic Laminate
Item Type	Thermally Fused Laminate (TFL)
Description	Thermally Fused Melamine
Manufacturer	Wilsonart
Model	N/A
Dimensions	Standard panels are 49 and 61 inches. Standard panel lenth is 97 inches.
Color	Gray 1500-60
Finish	Matte
Material Composition	Laminate Composition: Melamine saturated decorative layers thermally fused to both core face surfaces with heat and pressure. Stain resistant surface with wear and scratch resistance.
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023 - Interior Architectural Woodwork
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Thermally Fused Laminate/1500-60 Gray
Warranty	1 Year
Notes	Panel Core Material: Composite panel product composed primarily of cellulosic materials and a bonding system, resulting in a durable and dimensionally stable substrate suitable for decorative laminate overlays. Panel core material can be particleboard or medium density fiberboard.

SPECIAL INSTRUCTIONS

All substrates should be sanded smooth, and should be clean and free of oil or grease, and uniform in thickness.

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

AREAS

Welcome Desk
Hub
On Us
Buffet
Flex

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

ALTERNATE MANUFACTURER 3	Fitness Center Employee Areas Elevator Lobby Administration Lobby
ALTERNATE MANUFACTURER 4	

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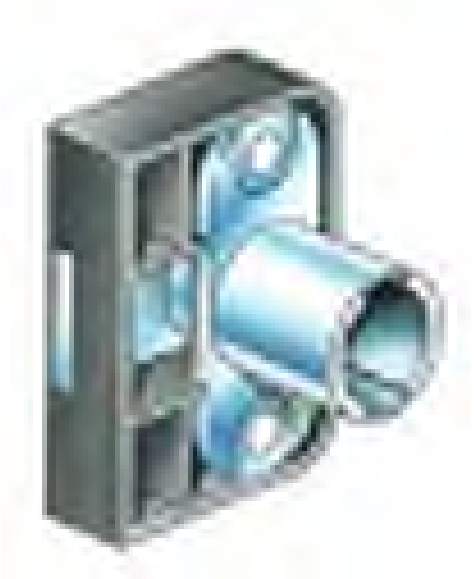
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-005_MH-002-CX

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Door Locks
Item Type	Locks
Description	Cabinet Lock for Doors
Manufacturer	CompX-Timberline
Model	290 Series
Finish	Satin Nickel
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Screw/Nail	As recommended by Manufacturer
Finish	US15
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.
Notes	Use C700LP-15 Plugs https://tinyurl.com/2s3jxrad



SPECIAL INSTRUCTIONS

All locks in the same component to be on the same key, unless noted otherwise. Other millwork items on the hotel property with locks shall be keyed separately. Ensure master key is different at each hotel in the system.

MANUFACTURER

Vendor Name: CompX-Timberline
Contact Name:
Phone: 847.752.2600
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

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ML-005_MH-003-GR

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Concealed Hinges
Item Type	Hinges
Description	Concealed Hinges for Cabinet Doors
Manufacturer	Grass America
Model	Tiomos 110 Overlay, Half Overlay or Inset
Finish	Nickel Plated
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Screw/Nail	As recommended by Manufacturer
Finish	US15
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.
Notes	Use soft close hinges. https://tinyurl.com/2ubsjany

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Grass America
Contact Name:
Phone: 800.334.3512
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

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ML-005_MH-005-KV

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Shelf Supports Pins & Bussings
Item Type	Shelf Supports
Description	Shelf Supports (non-exposed 5mm)
Manufacturer	KV
Model	345
Dimensions	5/16"
Finish	Nickel Plated (NP)
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Screw/Nail	As recommended by Manufacturer
Finish	Nickel Plated (NP)
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: KV
Contact Name: Customer Service
Phone: 1(800)-253-1561
Email: customer.service@kv.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Connection Center
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Towneplace Suites by Marriott
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New Build - Generation 5 - 89K & 112K
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ML-005_MH-009-HA

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Magnetic Pressure Catch
Item Type	Magnetic Pressure Catch
Description	Magnetic Pressure Catch & Strike Plate
Manufacturer	Hafele
Model	245.75.310 / 246.36.390
Finish	Black / Bronzed
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Assembly Description	ML-007
Screw/Nail	As recommended by Manufacturer
Finish	Black / Bronzed
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Hafele America Co
Contact Name: Ty Lefever
Phone: (815) 315-3410
Email: ty.lefever@hafele.us

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Hub
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ML-005_MH-011-BW

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Soiled Towel Ring (Countertop Mtd)
Item Type	Soiled Towel Ring (Countertop Mtd)
Description	Circular Towel Chute for Mounting in Countertops
Manufacturer	Bobrick
Model	B-532
Finish	Satin Finish Stainless Steel
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Assembly Description	ML-007
Screw/Nail	As recommended by Manufacturer
Finish	Satin Finish Stainless Steel
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Bobrick
Contact Name: Scott Liss
Phone: (704) 405-0667
Email: scottl@repsouth.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

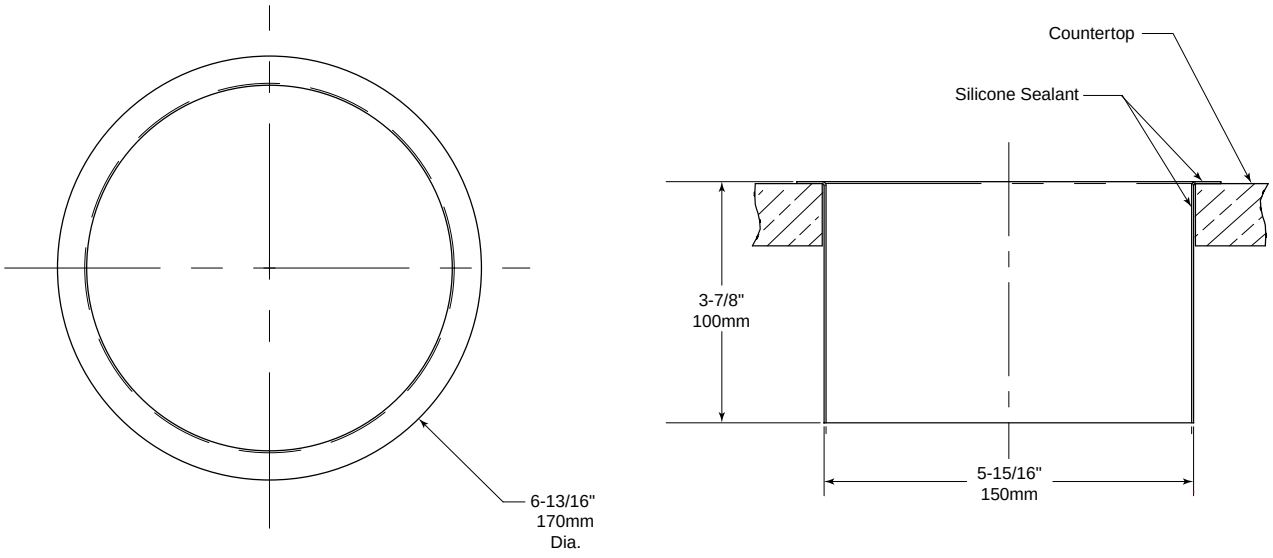
On Us
Fitness Center

BOBRICK

Technical Data

CIRCULAR WASTE CHUTE FOR MOUNTING IN COUNTERTOPS

B-532



Rough Countertop Opening
6-1/8" ± 1/16" (155 ± 1.5mm)

MATERIALS:

Circular Waste Chute — Type-300, 22-gauge (0.8mm) stainless steel. Exposed surfaces have satin finish.

INSTALLATION:

Unit is designed for installation in 6-1/8" ± 1/16" (155 ± 1.5mm) diameter hole in any countertop. To install unit permanently in place, cut hole in countertop. Fill in underside of waste chute lip and around portion of waste chute body which protrudes down into mounting hole with silicone sealant (not furnished). Install unit into countertop hole. Once unit is in place, wipe off any excess glue with a clean rag.

SPECIFICATION:

Circular waste chute for mounting in countertops shall be type-300 stainless steel with 5-7/8" (150mm) inside diameter, flat lip and satin finish on exposed surfaces. Waste chute opening shall provide access to deposit waste into waste receptacle (not furnished) placed under the countertop.

Circular Waste Chute For Mounting In Countertops shall be Model B-532 of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.

The illustrations and descriptions herein are applicable to production as of the date of this Technical Data Sheet.
The manufacturer reserves the right to, and does from time to time, make changes and improvements in designs and dimensions.

Revised 6/30/15 Printed in U.S.A.
© 2015 by Bobrick Washroom Equipment, Inc.

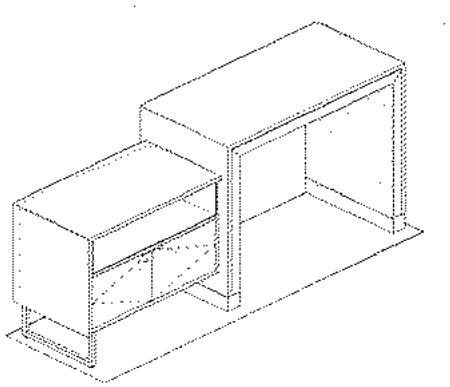
Buffet Island_ML-006

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-006

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:



Item Name	Buffet Island Millwork
Item Type	Public Millwork
Description	Plastic Laminate Clad Custom Millwork consisting of sheet metal lining, metal legs, cabinets, shelves and countertops.
Manufacturer	R.B. Woodcraft, J. Suss Industries, MGroup; MillRock Casework
Model	Not Applicable
Dimensions	Refer to Design Guideline Drawings
Color	Refer to Design Guideline Drawings and Building Product Manual
Finish	Refer to Design Guideline Drawings and Building Product Manual
Material Composition	Cabinet to Door Interface shall be Frameless, Flush (Full) Overlay. Grain direction to be horizontal on doors, drawer fronts, knee space panels, aprons & end panels.
CSI #	12 32 16 - Manufactured Plastic Laminate Clad Casework
Omniclass #	22-12 32 16 - Manufactured Plastic Laminate Clad Casework
Grade	Lumber shall be in accordance with the AWS Grade specified for the product being fabricated. Moisture content shall be 6% to 12% for boards up to 2-inches nominal thickness, and shall not exceed 19% for thicker pieces.
Classification	Particle Board: ANSI A208.1, Mat-Formed Particle Board, Grade 1-M-2, with minimum density of 45 pcf. Internal bond of 60 psi, and minimum screw holding capacity of 225 lb. on faces and 200 lb. on edges. Hardboard: ANSI A135.4, Class 1, tempered. E. MDF: ANSI A208.2, Grade 130.
Acoustical Performance	Door & Drawer bumpers to be placed on all cabinet doors and drawers.
Best Practices	Use products with no urea-formaldehyde resins. Use adhesives with Low VOC content.
Quality Standards	Architectural Woodwork Standards (AWS)
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	N
Design & Construction	See attached specifications. All listed millwork must be manufactured in accordance with the attached specifications.
Lighting	Not Applicable
Plastic Laminate	Refer to Specifications within Building Product Manual

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Millwork Hardware	Refer to Specifications within Building Product Manual
Pattern/ Color	Refer to drawings for finishes. Review and approval of finish samples required prior to manufacturing.
Fabric Wrapped Panels	Not Applicable
Lead Time	TBD
Notes	1. Public Space Casework: Interior face of exposed cabinet units shall be Thermoset Decorative Overlay (melamine), to match door fronts as shown in the Design Guideline Drawings. a. Exposed & Semi-Exposed ends: Grade VGS plastic laminate or minimum 1mm thick PVC edge banding. Color to match exposed faces. b. Interior unexposed face of units that are likely to become wet should be constructed of polyester overlaid plywood cabinet liner materials: Cabinet Liner Industrial Panel by Olympic Panel Products, LLC or approved substitution. 2. Top and Bottom Rails; and Sub-toe Boards: Not less than 3/4-inch particleboard faced with Grade VGS plastic laminate to match door and drawer fronts. Machine ends for wood-dowel or mechanical dowel fasteners to receive top, bottom, and back. Base ends to extend to floor. Finish exposed ends to match doors and doors and drawer fronts. 3. Unexposed Ends: Not less than 3/4-inch tempered hardboard; finished with Thermoset Decorative Overlay (Melamine). Attach to front frame in same manner as exposed ends. 4. Back Panels: Not less than 1/4-inch tempered hardboard or MDF; finished with Thermoset Decorative Overlay (Melamine). 5. Doors 48 Inches or Less in Height: 3/4 inch thick, Particle Board cores. Front faces to be Grade VGS plastic laminate overlay, and back faces to be Thermoset Decorative Overlay (melamine). Provide stop silencers at the top and bottom of all hinged doors. 6. Shelving (within cabinetry): Not less than 3/4" particle board with Thermoset Decorative Overlay (melamine) to match cabinet interior, PVC edge banding; adjustable at least every 1-1/2 inch; clear plastic [seismic] shelf clip pressed into 5mm holes bored in cabinet side. Fabricate base shelf to half depth. Exposed Fixed Shelving Units: Front faces to be Grade VGS plastic laminate overlay. 7. Filler Strips: Provide as needed to close spaces between cabinets and walls, ceilings, and indicated equipment. Fabricate from same material and with same finish as cabinets. Oversize for field cutting to suit field conditions and assure continuous enclosure of open spaces. Provide raw (unfinished) cleats at

blind corners and appliance openings as required to support countertops, minimum 3/4-inch x 1-1/2 inch x 8 foot length, to be field cut and fit by the installer.
8. Base Cabinet Units:
a. Base Cabinet Top Frames: 3/4-inch solid wood with mortise and tenon or doweled connections, glued and pinned or screwed. Base Cabinet Stretchers: 3/4-by-4-1/2-inch plywood, Particle Board, or MDF strips or solid-wood boards at front and back of cabinet, glued and pinned or screwed.
b. Base Cabinet Stretchers may be provided as an option to base cabinet top frames.
c. Bottoms: Not less than 1/2-inch hardwood plywood faced with Thermoset Decorative Overlay (Melamine) to match door and drawer fronts, fully supported by and secured in rabbets in end panels, front frame, and back bottom rail.
d. Corner Blocks: Glued and fastened in each of four top corners to maintain cabinet squareness and rigidity.

SPECIAL INSTRUCTIONS

Architect / General Contractor to coordinate millwork with power/data, etc.
Mount pulls vertically.

MANUFACTURER

Vendor Name: RB Woodcraft Inc
Contact Name: Drew Brooks
Phone: (315) 474-2429
Email: drewbrooks@rbwoodcraft.com

ALTERNATE MANUFACTURER 2

Vendor Name: J Suss Industry
Contact Name: Liane Alexander
Phone: (866) 769-5666
Email: liane@jsuss.com

ALTERNATE MANUFACTURER 3

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 4

Vendor Name: Millrock
Contact Name: Jared Jaudon
Phone: (540) 437-3458
Email: jjaudon@millrock.com

AREAS

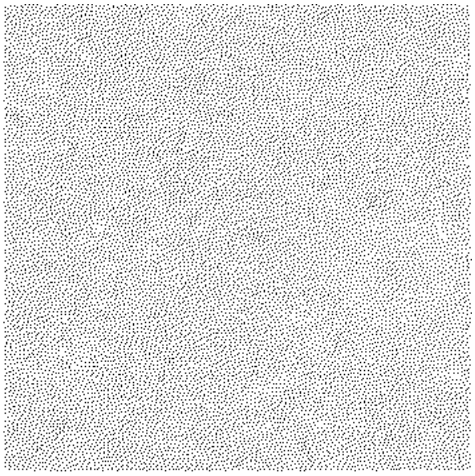
Buffet

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-006_CT-001-BS

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Belstone
Model	Dodi
Dimensions	Refer to Design Guideline Drawings
Color	Demitasse
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Notes	Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 2

Vendor Name: MGroup
Contact Name: Drew Murray

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Public Restrooms

Phone: (706) 302-5590 Email: drew.murray@mgroupcorp.com	Elevator Lobby Hydration Station
ALTERNATE MANUFACTURER 3 Vendor Name: JG EDELEN CO INC Contact Name: Kelly Smith Phone: (410) 918-1200 Email: ksmith@jgedelen.com	
ALTERNATE MANUFACTURER 4 Vendor Name: Daltile Contact Name: Morgan Stephenson Phone: (214) 309-4531 Email: morgan.stephenson@daltile.com	

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-006_CT-001-DA

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Daltile
Model	One-Quartz
Dimensions	Refer to Design Guideline Drawings
Color	QQ20-Aspen Gray
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Thickness	2cm Unless Otherwise Noted. Refer to Details Eased Edge.
Notes	Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: Daltile
Contact Name: Morgan Stephenson
Phone: (214) 309-4531
Email: morgan.stephenson@daltile.com

AREAS

Hub
On Us
Buffet

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

ALTERNATE MANUFACTURER 2

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 3

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 4

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

Flex
Fitness Center
Employee Areas
Public Restrooms
Hydration Station
Lobby

ML-006_CT-001-DA

WALL | COUNTERTOPS

ONE QUARTZ SURFACES®

daltile®

ONE QUARTZ SURFACES®

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21	MONOCHROMATIC LOOK
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SLAB

USAGE

FLOOR

WALL

COUNTERTOP

SHOWER FLOOR

EXTERIOR FLOOR

STEPWISE

TRU-EDGE

MADE IN THE U.S.A.

LARGE FORMAT

SPECIAL FEATURES

MOSAIC/ DECO

ENCAUSTIC

TERRAZZO

PAVER

CUSTOMIZE

FLEXFIT™

Q

LOW HIGH

SEE CHARTS FOR FULL PRODUCT DETAILS

*MADE IN THE USA WITH IMPORTED MATERIAL.

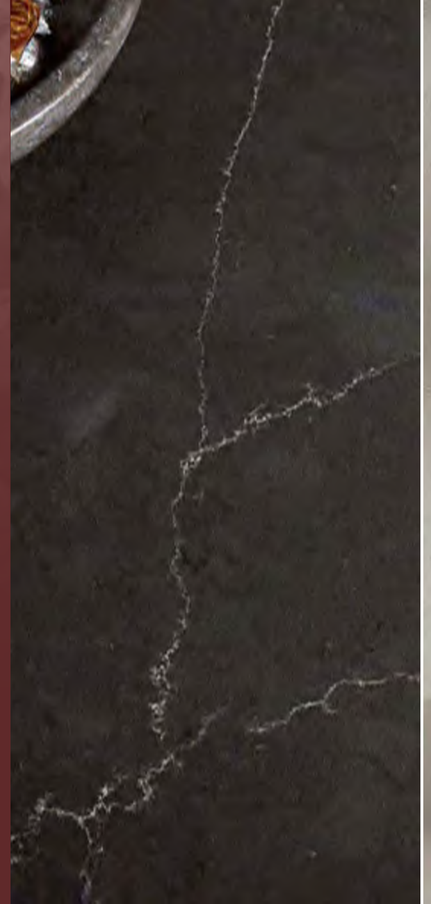
FROM NATURE CHIC – TO CITY SLEEK

With the ONE Quartz Surfaces® assortment, we've brought together the beauty of quartz and modern technology to create new and exciting possibilities. ONE Quartz Surfaces® gives you more design choices for your next project. The low maintenance and durability of ONE Quartz Surfaces® countertops make it perfect for any application, commercial or residential. Functional yet chic, that's what ONE Quartz Surfaces® is all about.

AVAILABLE IN:

Within these unique series, you'll have more selection than ever before.

- Marble Look
- Stone Look
- Concrete Look
- Monochromatic Look

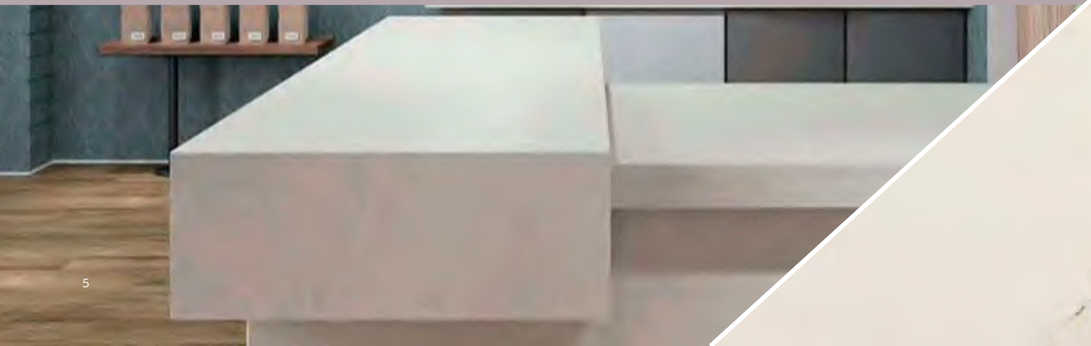


ML-006_CT-001-DA

MARBLE LOOK

Dazzle in design with charming details which embody the luxury of the finest marble. Create drama with striking vein patterns, or infuse tranquility with subtle marbling. This look allows you to create elegant styles with outstanding durability.

Made in the USA with imported material.



ML-006_CT-001-DA

RUSHMORE OQ41

FREEDOM CALACATTA OQ42

WASHINGTON OQ43

LIBERTY CALACATTA OQ44

LIBERTY GOLD OQ45

PATRIOCTIC CALACATTA OQ47

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INDEPENDENCE CALACATTA OQ48

STATUARY UNITY OQ53

STATUARY GLORY OQ52

WHITE STATUARY NQ12

CALACATTA NQ06

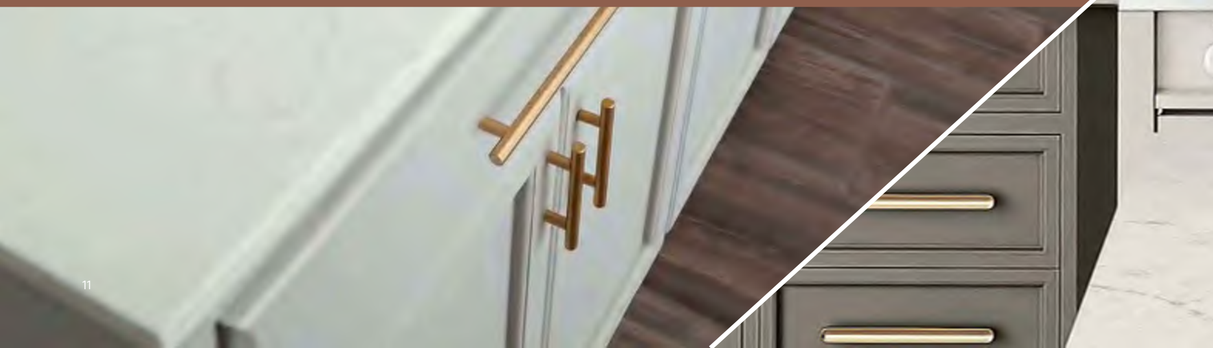
CARRARA VEIL OQ12

CARRARA AURA OQ09

BROADWAY BLACK OQ03
Also stocked in Leather finish

STONE LOOK

Enjoy the opulent beauty of stone with the benefits of extraordinary endurance. From travertine and limestone visuals, the many color choices are versatile for any design. Increase the style in your space with a majestic stone look.

Made in the USA with imported material.

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VALOR WHITE OQ55

CAPITOL BEIGE OQ57

NOBLE GREY OQ56

ARCHES OQ33

NIAGARA OQ32

ROCKY MOUNTAIN OQ34

GOLDEN GATE OQ37

JASMINE WHITE OQ27

ML_006_CT_001_DA

KODIAK OQ21

ASPEN GREY OQ20

WHITE SAND NQ97

ALMONDINE NQ36

EQUINOX OQ23

AVENUE WHITE OQ01
Also stocked in Leather finish

ALPINE WINTER OQ19

RIVERBANK NQ93

CONCRETE LOOK

Concrete features organic natural looks, bustling with city style and sophistication. Add an urban chic feel with looks that closely mimic the essence of poured concrete, while the smooth matte finish adds a touch of refinement.

Made in the USA with imported material.

ML-006_CT-001-DA

ML_006_CT_001_DA

LINCOLN WHITE NQ59

ASH GREY NQ69
Also stocked in Honed finish

CABRINI GREY NQ51

MERCER GREY NQ52

LUDLOW TAN NQ55

COLUMBUS BROWN NQ56

CONCRETE GREY NQ87

MONOCHROMATIC LOOK

Infuse your space with the raw beauty of a monochromatic look. Choose from a speckled look with flecks of character or subdued solids for a more contemporary space. From the purest white to the blackest black, the opportunities are endless.

Made in the USA with imported material.

CHIPPED ICE NQ91

MORNING FROST NQ30

WOVEN WOOL NQ09

SIMPLY WHITE NQ76
ONE Quartz Basics

SIMPLY GREY OQ30
ONE Quartz Basics

SIMPLY BEIGE OQ29
ONE Quartz Basics

WHITE ICE NQ90

FRESH LINENS NQ66

EVENING GREY NQ43

BRUSHED FLANNEL NQ60

MESA DUNE NQ89

METEOR SHOWER NQ25

PRODUCT **INFORMATION**

PRODUCT INFORMATION

Finishes	Actual Size		Thickness
	DOMESTIC COLORS	IMPORTED COLORS	
Polished	135-7/8" x 78-3/4" (345 cm x 200 cm)	Please reach out to local stone center for size details on all sourced products. Slab sizes vary.	1-1/4" (3 cm) & 3/4" (2 cm)

Custom slab finishes in semi-polished, honed and leather are available by special order.

Not all colors available in alternative finishes. Please contact your local slab center for availability.

			RESISTANCE						
	PRICE	STYLE	CHIPS	HEAT	STAIN	SCRATCHES	SEALING REQUIRED	MAINTENANCE	PROS
ONE QUARTZ SURFACES®	$$$	•••	•••	•••	•••	•••	NO	NO	Highly stain resistant Excellent for undermount sinks Engineered, so has consistent look Tons of colors to choose from

••• EXCELLENT
•• GOOD
• FAIR

Fifteen Year Limited Warranty, visit daltile.com for complete warranty details.♦

♦Sourced SKUS

Twenty Five Year Commercial Limited Warranty, visit daltile.com for complete warranty details.

Lifetime Residential Limited Warranty, visit daltile.com for complete warranty details.*

*Made in the U.S.A. with imported material.

MADE IN THE USA WITH IMPORTED MATERIAL.

To See Approved Colors, Please Check The Below Link:
info.nsf.org/Certified/Food/Listings.asp?Company=C0536133&Standard=051

PRODUCT **INFORMATION**

INSTALLATION

Grout Joint Recommendation	Shade Variation
Tile : 1/16"	Medium (V2)

APPLICATIONS

	Target DCOF wet	Suitable
Dry & Level – Interior Floor	N/A	
Wet & Level – Interior Floor	≥ 0.42	
Shower Floors (Residential or Light Commercial)	≥ 0.42	
Exterior Floor Applications (including pool decking & other wet areas with minimal footwear)	≥ 0.60	
Ramps & Inclines	≥ 0.65	
Walls/Backsplashes	N/A	✓
Countertops	N/A	✓
Pool Linings	N/A	

ONE Quartz Surfaces do not meet minimum coefficient of friction thresholds recommended by safety standard-setting organizations. Water, oil, grease, etc., create slippery conditions. Floor applications with exposure to these conditions require extra caution in product selection.

Quartz not suitable for exterior applications due to small resin content. The sun will etch the material.

SLAB PERFORMANCE CHARACTERISTICS

	Test Method	Average Result*
Abrasion Wear Index	ASTM C501	≥ 135
Bulk Specific Gravity	ASTM C97	≤ 2500 kg / cubic meter
Chemical Resistance	ASTM C650	Resistant to typical household cleaners
Coefficient of Thermal Expansion	ASTM C531	≤ 4.0 • 10^{-5} °C^{-1}
Flexural Strength	ASTM C880	≥ 35 MPa
Water Absorption	ASTM C97	≤ 0.10%
Scratch Resistance (Mohs Hardness)	ASTM C1895	≥ 5
Stain Resistance	ANSI Z124.6	Pass
Thermal Shock Resistance	ASTM C484	Pass – No Effect

* Custom testing results by color are available upon request.

NOTES

ONE Quartz Surfaces products are nonporous, reducing the potential for bacteria growth, resist common food stains and are stronger than natural granite.

ONE Quartz Surfaces products are virtually maintenance free.

ONE Quartz Surfaces products contain natural quartz stone providing consistent color and visual movement. A wide range of color options allow for more design freedom.

ONE Quartz Surfaces products have a durable, scratch-resistant surface.

ONE Quartz Surfaces products are heat and scorch-resistant under normal cooking conditions (use of a trivet is recommended for longer or extreme heat exposure).

Visit daltile.com/countertops-product-category/one-quartz for additional polished, semi-polished, honed and leather finish details.

Twenty-Five year limited warranty. Visit daltile.com/countertops-product-category/one-quartz or details.

Fifteen-year limited warranty on imported materials.
Visit daltile.com/countertops-product-category/one-quartz for details.

White thin-set or mortar is recommended for the lighter colors of ONE Quartz Surfaces tiles.

WARNING: This product can expose you to chemicals known to the State of California to cause cancer, including crystalline Silica (airborne particles of respirable size) in dust created if the product is dry cut/ground/polished or pulverized during fabrication/installation/removal. For more information, go to www.P65Warnings.ca.gov.

For information refer to "Factors to Consider" at daltile.com/Factors.

DIMENSIONAL **STONE**

QUARTZ TAKES ON A WHOLE NEW DIMENSION

Our Dimensional team offers complete cut to size projects imported directly to the jobsite. Brought to you by the experts at Daltile®.

FORGET ONE-SIZE-FITS-ALL.

Or shape, for that matter. Our Dimensional program offers procurement, fabrication, and delivery for any project-all executed to your specifications.

Our team will help you identify exactly what you need to bring your vision to reality. Acting as a dedicated project manager, they'll walk you through every step, from inception to completion. Ask about our quantity survey, shop drawing and cutting ticket services!

LEAVE YOUR LIMITS BEHIND.

In addition to our standard product offering, we can also match most any color pallet. The experts at Daltile won't hesitate to make sure your project takes shape with complete coordination and precision.

STEP-BY-STEP

CUSTOM CUT TO YOUR SPECS. ON YOUR TERMS.

- We provide a digital take-off to identify the project scope, which includes materials, size, quantity, and edge treatment.
- You'll receive samples and pricing - we'll also provide support during the bid process to help determine the right material for the right location.
- Then you'll review CAD-generated shop tickets for confirmation that your goals are achieved.
- Now, your stone can be fabricated, delivered on time, within sequence, and ready to install.
- Each project is reviewed by an independent Daltile inspector. They ensure that color, size, calibration, and packaging meets your requirements prior to shipment.

LET US HANDLE ALL THE DETAILS

Contact your local Daltile Architectural Representative, Sales Representative or visit daltile.com to get started.

TECHNICAL **DATA**

QUALITY QUARTZ SURFACE

Test Items	Test Methods	Result
Absorption by Weight	ASTM C97/C97M-09	0.06%
Density	ASTM C97/C97M-09	148 lbs/ft^3
Abrasion Resistance	ASTM C241/C241M-13	47
Flexural Strength	ASTM C880/C880M-09	"dry" 34.9 Mpa "wet" 37.5 Mpa
Compressive Strength	ASTM C170/C170M-14	"dry" 192 Mpa "wet" 185 Mpa
Breaking Strength	ASTM C 648-09	5100 N
Thermal Expansion	ASTM C531-00(2012)	30.9 × 10^{-6}/°C
Chemical Resistance	ASTM C650-04(2009)	Not Affected
Abrasion Wear Index	ASTM C501-84(2009)	Wear Index: 136

TECHNICAL SPECIFICATION

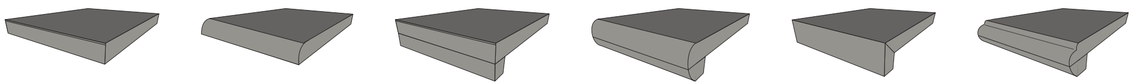
Quartz is one of nature's hardest minerals. Our surfaces are composed of 93% quartz, and are therefore designed to last.

In a unique Daltile process, we take the innate strength of quartz and combine it with numerous polymers and dashes of pigments. The result: A range of durable and beautiful quartz surfaces in a wide variety of colors and finishes.

100% Engineered Stone | **Non Porous** | **Easy to Clean** | **Low Maintenance** | **Shock Resistant** | **Stain Resistant** * | **Scratch Resistant** | **Everlasting Sheen** | **Modern Collection of Colors**

* Only West Village Series

EDGES FOR QUARTZ



EASED
Traditional Edge

DEMI BULLNOSE
Added Movement

LAMINATED
Economically Bold

BULLNOSE LAMINATED
Safe and Modern

MITERED
Seamless Depth

OGEE LAMINATED
Elegance in Curves

ONE **QUARTZ®** FAQ

QUARTZ IS A VERSATILE, DURABLE MATERIAL THAT'S AVAILABLE IN A WIDE RANGE OF COLORS AND STYLES. Also known as engineered stone, quartz is made from a combination of resin and natural quartz crystals. The natural crystals in quartz countertops make each surface unique, while resin gives the material its durability and resistance to everyday wear and tear. Because quartz is a man-made product, this material can be tinted and shaped in a wide variety of ways. Unique colors, edge treatments, inlays and other style accents add to the aesthetic appeal of this product.

In general, engineered stone is less expensive than naturally sourced materials after installation, sealing and maintenance are considered. The exceptional strength, durability and aesthetic appeal of quartz make this product a popular alternative to granite, a stone known for its lasting beauty. In addition, quartz is remarkably easy to maintain.

IS QUARTZ A SAFE COUNTERTOP MATERIAL?

Quartz, or engineered stone, is highly resistant to the routine wear and tear of daily life. Because quartz is made from a tough combination of natural crystals and resin, this product is very durable and long lasting. Quartz is a safe material for bathroom, kitchen or office countertops, but standard precautions must be taken to protect this man-made material from damage and prevent fading of your quartz countertop colors.

Although quartz countertops are resistant to scratches, dents, scuffs, burns and stains, these surfaces can be damaged when exposed to heat or to certain chemicals or tools. Gentle cleaning with a mild detergent and water is all that's required to maintain these surfaces. To keep your quartz countertops safe from damage, take care not to expose them to harsh chemicals, permanent dyes or inks, abrasive cleansers, direct heat or knives and other metal tools.

WHAT COLORS DO QUARTZ COUNTERTOPS COME IN?

Quartz countertops come in a broad spectrum of colors and patterns, from cool pastels to rich, dark tones. Quartz is a man-made material that combines the strength and durability of resin with distinctive of natural quartz crystals. This material can be tinted in a nearly unlimited range of shades to match any interior color scheme. Whether you're decorating a kitchen in warm earth tones or remodeling a bathroom with pink and white surfaces, you can find a shade that complements your decor and any living space.

QUARTZ COLORS AND TREATMENTS

Quartz is an extremely versatile material, which can be tinted, treated or shaped to accommodate almost any homeowner's tastes. When you're shopping for quartz countertops, choosing the perfect color may be challenging. With so many different shades to choose from, it can be difficult to make a decision with confidence. A knowledgeable provider should be able to help you with this stage of the process by giving you a comprehensive overview of your choices and making suggestions for shades that will complement your design.

When it comes to designing a quartz countertop, you aren't limited to traditional, squared edge treatments. There are a number of different edge treatments to choose from, with beveled or rounded styles. Inlays add a touch of elegance to a countertop surface by accenting the contours of the counter. These unique treatments take a countertop a step beyond the ordinary and give your kitchen or bathroom an extra touch of style.

CHOOSING COLORS FOR YOUR COUNTERTOPS

The color of your quartz countertops can make a big difference in the visual dimensions of your kitchen or bathroom. Light colors will create a sense of space, enlarging the room visually. If you have a small kitchen or bath, quartz countertops in white, cream, beige or gray may be preferable to darker, richer tones. In a larger kitchen or a game room, a dark gray, brown or dramatic black surface can add style and elegance to your interior.

The colors you select will affect a room's atmosphere and character. If you're decorating a professional office, a black or charcoal quartz countertop can give your decor a sense of dignity and stability. In a master bathroom, a rich gold or beige creates a look of luxury. The colors of quartz countertops may be variegated with flecks or swirls of various colors that give your countertops the natural appearance of stone.

Most manufacturers come out with new color series on a regular basis. Although the latest trends may be appealing, choose a color that will stand the test of time to get the most value.

QUARTZ IN KITCHENS AND BATHROOMS

Quartz is a non-porous material that does not require a sealant to protect the surface against dirt, moisture or germs. The polymers used to manufacture quartz make the surfaces extremely sturdy and durable. In the kitchen, quartz countertops are resistant to ordinary contact with metal, ceramic, glass or other materials commonly used in cookware. However, quartz countertops should not be scraped with metal tools. When you're cutting food, use a cutting board rather than cutting or slicing directly onto a quartz surface.

In the kitchen, protecting food from exposure to bacteria is a big concern. Quartz countertops are non-porous, meaning that these surfaces are continuous and smooth and do not have any tiny openings in the surface. Unlike wood and some forms of stone, quartz will not absorb water or other liquids. Bacteria have no place to grow on a quartz surface, as long as it's wiped clean after preparing food. Use a cutting board made of marble or another non porous material to avoid scratching your countertops.

Germs tend to collect in bathrooms as well as kitchens. The moisture and warmth that gather in the bathroom make it a breeding ground for bacteria, mold and mildew. A sink or vanity topped with quartz offers protection against bacterial growth as well as longevity and beauty. With regular cleaning, quartz countertops keep bathrooms sanitary by discouraging the growth of bacteria, mold and mildew. When cleaning quartz countertops, do not use bleach or other harsh or abrasive cleansers. Bleach may discolor or damage a quartz counter.

ONE **QUARTZ®** FAQ

FINAL CONSIDERATIONS

When you're shopping for quartz countertops, you'll soon find that you have many choices in style and color. Because quartz countertops are man-made, this material can be manufactured in nearly any color. You can choose from a wide range of countertop edge treatments, from traditional rounded or cornered styles to more dramatic looks.

The cost and performance of quartz countertops increases their appeal to homeowners who are looking for resilience and aesthetic value at a competitive price to other alternatives. As you search for quartz countertops, look for a reliable provider with a reputation for quality craftsmanship. Because the supplier you choose may also install the product, it's important to review the quality of the company's labor as well as the quality of its products before you make this important investment.

WHAT MAINTENANCE IS REQUIRED FOR QUARTZ COUNTERTOPS?

Low maintenance requirements make quartz countertops appealing to many homeowners. Quartz countertops are manufactured with a combination of hard quartz crystals and durable resin polymers that make them extremely resilient. In addition, the leading manufacturers provide a 10 to 15 year limited warranty that covers manufacturer's defects. Routine care and cleaning is very simple, and with basic precautions to prevent stains, dents or scratches, safe quartz countertops can lend beauty and a sense of permanence to a home for decades.

Manufacturer's warranties will not cover damages caused by the owner's use of the product unless damage is linked to an error made by the company. Your quartz countertops must be installed by a professional contractor in order to be covered by the warranty, in most cases. Follow the manufacturer's specific recommendations for maintaining your new countertops to get the maximum value from this investment.

ROUTINE CARE AND CLEANING

With the right care, quartz countertops can lend aesthetic appeal to your kitchen, bathroom or office for years. Quartz can be cleaned easily with a mild detergent, water and a soft cloth or paper towel. Abrasive cleansers or harsh scouring pads and cleansers that contain bleach should not be used with quartz. Engineered stone surfaces do not require polishing to keep them shiny and smooth, but they should be cleaned gently to maintain their distinctive shine.

A rounded plastic knife should be used to remove dried foods or liquids on a quartz surface. Dried paint or grease can be gently scraped away with a plastic knife. Avoid using metal knives and utensils directly on the countertop, as metal may scratch the quartz.

Grease from cooking is a concern in many kitchens. To remove grease from your quartz countertops, use a product recommended by your manufacturer. Harsh cleansers should not be used to remove grease or other cooking stains. Gently scrape away hardened grease with a plastic knife before applying cleanser.

PREVENTING STAINS AND SCRATCHES

While quartz countertops are resistant to scratches, scuffs, dents, stains and burns, these surfaces are not damage-proof. Homeowners must take care to avoid exposing quartz countertops to permanent inks, markers or dyes, as these substances may not be removable. If a countertop is marked by a permanent marker or dye, rinse the area with water as soon as possible, then apply a cleansing product approved by the manufacturer if the stain is still visible. Clean the area again with water after applying the cleanser.

Turpentine and other paint stripping products may damage or discolor a quartz surface. To be on the safe side, avoid exposing quartz to any strong chemicals or solvents unless your manufacturer recommends them for use in removing stubborn stains or hardened grease. If exposure to a potentially harmful chemical solvent occurs, clean the area with water immediately.

Quartz countertops can be damaged by direct exposure to heat. When cooking, use trivets or heating pads to guard the countertop surface against direct exposure to hot cookware or coffee pots. Although quartz is resistant to stains from juice, wine, coffee and other food substances, it is best to wipe up spills immediately to prevent possible stains. When chopping vegetables, slicing bread or preparing other foods with sharp utensils, use a cutting board to prevent scratches.

Very little maintenance is required for quartz countertops. This engineered product does not require sealants, and its non-porous surface makes it a durable, sanitary option for kitchens or bathrooms. To ensure that you get the most life from your countertops and that your warranty covers any unexpected damages, follow the manufacturer's instructions for care and quartz countertop maintenance.

PROTECTING QUARTZ SURFACES

Quartz countertops can stand up to a lot of wear and tear, but they shouldn't be exposed to excessive impact or harsh chemicals. In the kitchen, use hot pads or trivets on your countertops to prevent hot skillets or pots from making contact with quartz surfaces. In the bathroom, curling irons and other heated appliances shouldn't be left sitting on sinks or vanities.

Although quartz is non porous and resists stains, liquid spills should be wiped up promptly. Coffee, wine, vinegar, lemon juice and other liquids should not be allowed to sit on a quartz countertop for long periods of time. If permanent dye or ink is spilled on the counter, rinse the area promptly with water, then use a cleanser approved by the manufacturer for removing permanent stains. If you need to scrape dried food or paint or hardened grease off a quartz countertop, use a rounded plastic utensil, like a putty knife.

To get the maximum use from this investment, choose quartz countertops that are covered by a warranty. A manufacturer's warranty will replace or repair a countertop if it shows evidence of a manufacturer's defect. With a reliable warranty and proper care, quartz is a safe countertop material.

PHOTOGRAPHY INDEX

COVER PHOTO

Independence Calacatta on the countertop.

PAGES 3-4 (LEFT TO RIGHT)

West Village Series Broadway Black on the countertop.

West Village Series Astor Grey on the countertop & backsplash.

West Village Series Barclay Tan on the countertop.

PAGE 5-6 (LEFT TO RIGHT)

Noble Grey on the countertop.

Patriotic Calacatta on the countertop.

PAGE 11-12 (LEFT TO RIGHT)

Avenue White on the countertop.

Valor White on the counter and backsplash.

PAGE 17-18 (LEFT TO RIGHT)

Carrara Aura on the bottom counter block.

Broadway Black on the top counter block.

PAGES 21-22 (LEFT TO RIGHT)

White Ice on the countertop.

Chipped Ice on the countertop.

Daltile | 7834 C.F. Hawn Freeway | Dallas, Texas 75217 | 214.398.1411 | 800.933.TILE
To view the complete collection of Daltile® products and information, visit our website at **daltile.com.**
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Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-006_CT-001-JG

Real Living Decor Package

Issue Date: Nov 23, 2022
Revision Date:

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	JG Edelen
Model	EHS-836
Dimensions	Refer to Design Guideline Drawings
Color	Goldfield
Finish	Polished Straight Edge
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Finish	Polished Straight Edge
Notes	Refer to drawings for edge profile Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

Label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

AREAS

Hub
On Us
Buffet

Real Living Decor Package

Issue Date: Nov 23, 2022
Revision Date:

ALTERNATE MANUFACTURER 2

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 3

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 4

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

Flex
Fitness Center
Employee Areas
Public Restrooms
Hydration Station

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-006_CT-001-MG

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Mgroup
Model	UltraCera
Dimensions	2cm
Color	Kachine Peak - 3007
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Notes	Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 2

Vendor Name: Belstone

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas

Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 3

Vendor Name: Designer Tile & Stone
Contact Name: Timi Mustapha
Phone: 301.325.1981
Email: timi@designertilestone.com

ALTERNATE MANUFACTURER 4

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

Public Restrooms
Elevator Lobby
Hydration Station

KACHINA PEAK- 30(

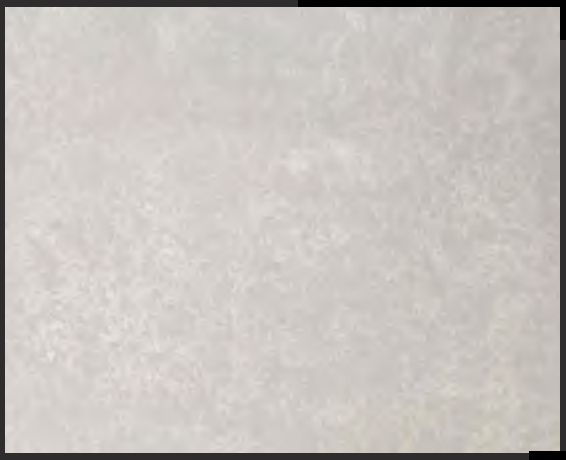
GROUP

ULTRACERA®
NextGeneration Composite Ecosurface

TECHNICAL SPECIFICATIOI

COMPRESSIVE STRENGTH (DRY): (ASTM C17(17) 256 Mp
DENSITY: (ASTM C9 18 2400) kg/m
WATER ABSORPTION: (ASTM C9 18) 0.03
THICKNESS: Standard 2cm or 3cm. Custom Availab
ABRASION RESISTANCE: (ASTM C241-15) 4
MOHS HARDNESS: (EN 15771) Averages
STAIN RESISTANCE: (ANSI Z124.6-07) Pa
CHEMICAL RESISTANCE: (ASTM C650) Not Affecte
FLEXURAL STRENGTH (DRY): (ASTM C88(14) 48.5Mp
THERMAL SHOCK RESISTANCE: (ASTM C484) No Defe
MODULUS OF RUPTURE: (ASTM C99) 3
FINISH: Polished Standard (level 6000 availabl
EDGE: Eased Standard—Fully Customizable Fabricatic
FIRE RATING: (ASTM E84) Class

KACHINA PEA



*SAMPLE IMAGE FOR REFERENCE ONL

APPLICATIO

Vanity Top
Kitchen Top
Window S
Desk Top
Dresser Top
Threshol
Wall Claddir

NOTI

Patent Pendir
0% Acrylic Solid Surfac
Non-Silica Based Produ
For More Information On What UltraCera® Is, And What It Is Not: Please Visit UltraCeraTops.co
Herein Are Subject To Change Without Notice Due To Constant Product And Engineering Improvement

MGROUP
MSHOWER MSTONE MTERIORS Gainwell International QUIETLOK ULTRACERA

MERIDIEN HOUSE | 203 NORTH LEWIS STREET| LAGRANGE, GA 30240 US

ULTRACERA®
NextGeneration Composite Ecosurface

REV. DATE 03-06-202

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-006_CT-001-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Wilsonart International, Inc.
Model	Q4007
Dimensions	3/4" Thick
Color	Duomo
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Fire/Smoke Rating	ASTM E84 Class 1 (NFPA Class A) FS-25 or less.
Structural Performance	Mohs Hardness Scale: 6 to 6.5. Density: Not less than 2 g/cm3 when tested per ASTM C97.
Thermal Performance	Thermal shock: Pass 5 cycles, tested per ASTM C484.
Best Practices	UL Greenguard certified
Quality Standards	NSF/ANSI 51 Certified. Stain resistance: Passes ANSI Z124.6. Water absorption: Maximum 0.04 percent, tested per ASTM C97. Chemical resistance: Not Affected when tested per ASTM C650.
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	N
Thickness	3/4"
Finish	Polished
Warranty	One (1) year minimum warranty against defects in materials and workmanship. Commercial Lifetime warranty
Notes	Refer to drawings for edge profile. Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date: **Nov 23, 2022**

1981; timi@designertilestone.com;
www.designertilestone.com

SPECIAL INSTRUCTIONS

Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2'-0" apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

Vendor Name: JG EDELEN CO INC
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ALTERNATE MANUFACTURER 3

Vendor Name: Designer Tile & Stone
Contact Name: Timi Mustapha
Phone: 301.325.1981
Email: timi@designertilestone.com

ALTERNATE MANUFACTURER 4

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Public Restrooms
Elevator Lobby
Hydration Station

TECHNICAL DATA
Wilsonart® Quartz

Wilsonart
2501 Wilsonart Drive
P.O. Box 6110
Temple, TX 76503-6110

1. Distributor

Wilsonart LLC
2501 Wilsonart Drive
P.O. Box 6110
Temple, Texas 76503-6110
Toll-Free: 800-433-3222
Website: www.wilsonart.com

2. Product Descriptions

Product Composition

Wilsonart® Quartz is manufactured with up to 93 percent high quality natural quartz crystals, high quality polyester binders, and proprietary coloring agents that are homogeneous, with uniform color throughout their thickness.

Basic Limitations

Wilsonart® Quartz is designed for interior use only, ideal for residential and commercial applications. Wilsonart Quartz is a solid, non-porous, highly durable surface and resistant to scratching, staining, and water absorption and is virtually maintenance free.

Fabrication

Refer to the Wilsonart Quartz Fabrication Manual or contact a Wilsonart® Quartz Fabricator or Distributor for details.

Colors and Finishes

Wilsonart® Quartz has created a wide array of colors. Wilsonart Quartz is available in a polished finish.
Glossometer reading: >45

Sheet Dimensions:

	Wilsonart® Quartz Standard Size
Available Sizes	120” (306 cm) x 55” (140 cm), 120” (306 cm) x 63” (160 cm), 126” (320 cm) x 63” (160 cm), 130” (330 cm) x 65” (166 cm)
Thickness	Product Type 062 = 0.79" (2 cm) ± 0.060"(0.15 cm)
Thickness	Product Type 063 = 1.18" (3 cm) ± 0.060"(0.15 cm)
Approximate Weight	Product Type 062 = 10 lbs./ft^2 (2 cm)
Approximate Weight	Product Type 063 = 15 lbs./ft^2 (3 cm)

* Please consult Wilsonart® Quartz Design Library on www.wilsonart.com for available slab sizes by pattern

Physical Properties

Test Description	**Typical Results**	**Test**
Flexural Strength (psi)	>6,000	ASTM D 790
	31 - 75	EN14617-2
Thermal Expansion Coefficient	16 x 10^{-6} - 20.8 x 10^{-6*}	EN14617-11
Impact Resistance	3.4 – 7.35	EN14617-9
Stain Resistance	No Effect	EN14617-10
High Temperature Heat Resistance	No Effect to Slight Effect	ISO 4586
Chemical Resistance (acids and bases)	C4	EN14617-10
Abrasion Resistance	>100	ASTM C501
	23.6 – 27.5	EN14617-4

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Density (g/cm^3)	>2.1	ASTM C97
Compressive Strength (One Axis – Dry) (psi)	>20,000	ASTM C170
Moisture Absorption	<0.03	ASTM C97
	<0.03	EN14617-1
Freeze and Thaw Resistance	0.999	EN14617-5
Fire Behavior	Class 1/A Rating	ASTM E 84

**Test results vary slightly depending on pattern.*
The information contained in this section is based on technical data which Wilsonart LLC believes to be reliable, and is intended for use by persons having knowledge of this technical area at their own discretion.

Certifications
Wilsonart® Quartz is UL GREENGUARD Standard and Gold Standard Certified for low chemical emissions.
NSF 51 Food Zone and FDA food contact compliant.
Wilsonart Quartz is Kosher certified under the Kashruth Division of the Orthodox Union.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Quartz per ISO 4586-2 Method 31 (B)
No effect was exhibited except as noted (* or **) on the following:

1. Beckart Environmental (Stabilized Chlorine Dioxide Mixed with Water at 3000ppm)
2. Benefect® *
3. Claire® Germicidal Cleaner (Country Fresh Scent) **
4. Claire® Disinfectant Spray Q (Country Fresh Scent) **
5. Clean Republic – All Purpose Everyday Cleaner (Hypochlorous Acid – 0.003% Solution)
6. Clorox® Anywhere® Hard Surface Sanitizing Spray *
7. Clorox® Clean-Up (Cleaner & Bleach)
8. Clorox® Disinfecting Bleach w/6% Sodium Hypochlorite (24:1/Water:Bleach)
9. Clorox® Disinfecting Spray
10. Clorox® Disinfecting Wipes
11. Clorox Healthcare® Bleach Germicidal Cleaner *
12. Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant *
13. Clorox Healthcare® Fuzion® Cleaner Disinfectant *
14. Clorox Healthcare® VersaSure® Cleaner Disinfectant Wipes
15. Clorox® Total 360 Disinfectant Cleaner
16. Diversey™ Expose® II 256 *
17. Diversey™ Oxivir 1 *
18. Diversey™ Oxivir Tb Wipes *
19. Diversey™ Stride® Floral Neutral Cleaner
20. Diversey™ Virex® II 256 *
21. Fabuloso® Complete (Multi-Purpose Cleaner)
22. Lysol® Professional Disinfectant Spray
23. Microban® 24 Hour (Multi-Purpose Cleaner)
24. PDI Sani-Prime® Germicidal Spray
25. PDI Super Sani-Cloth® Germicidal Disposable Wipes
26. PURELL® Advanced Hand Sanitizer Gel *
27. Purell® Food Service Surface Sanitizer *
28. Purell® Professional Surface Disinfectant *
29. Purell® Healthcare Surface Disinfectant *
30. Simple Green® Concentrated (All-Purpose Cleaner)
31. Spic and Span® Everyday (Antibacterial Cleaner)

Test procedure: Listed materials were placed in contact with Wilsonart® Quartz surface under 1" (25.4mm) diameter watch cover glass for 16 hours duration prior to evaluation for effect. The branded cleaners and sanitizers listed above were cleaned with water only.

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* Causes slight change of gloss or color.
** Causes slight damage, with degree of damage proportionate to length of exposure and concentration.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Quartz per BIFMA HCF 8.1-2014 (Section 6 / Modified)
No effect was exhibited except as noted (* or **) on the following:

1. Beckart Environmental, Inc. (Stabilized Chlorine Dioxide Mixed with Water at 3000ppm)
2. Benefect®
3. Claire® Germicidal Cleaner (Country Fresh Scent)
4. Claire® Disinfectant Spray Q (Country Fresh Scent)
5. Clean Republic – All Purpose Everyday Cleaner (Hypochlorous Acid – 0.003% Solution)
6. Clorox® Anywhere® Hard Surface Sanitizing Spray
7. Clorox® Clean-Up (Cleaner & Bleach)
8. Clorox® Disinfecting Bleach w/6% Sodium Hypochlorite (24:1/Water:Bleach)
9. Clorox® Disinfecting Spray
10. Clorox® Disinfecting Wipes
11. Clorox Healthcare® Bleach Germicidal Cleaner
12. Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant *
13. Clorox Healthcare® Fuzion® Cleaner Disinfectant
14. Clorox Healthcare® VersaSure® Cleaner Disinfectant Wipes
15. Clorox® Total 360 Disinfectant Cleaner
16. Diversey™ Expose II 256
17. Diversey™ Oxivir 1 *
18. Diversey™ Stride® Floral Neutral Cleaner
19. Diversey™ Tb Wipes *
20. Diversey™ Virex II 256
21. Fabuloso® Complete (Multi-Purpose Cleaner)
22. Lysol® Professional Disinfectant Spray
23. Microban® 24 Hour (Multi-Purpose Cleaner)
24. PDI Sani-Prime® Germicidal Spray
25. PDI Super Sani-Cloth® Germicidal Disposable Wipes
26. PURELL® Advanced Hand Sanitizer Gel
27. Purell® Food Service Surface Sanitizer
28. Purell® Professional Surface Disinfectant
29. Purell® Healthcare Surface Disinfectant
30. Simple Green® Concentrated (All-Purpose Cleaner)
31. Spic and Span® Everyday (Antibacterial Cleaner)

Test procedure: Listed reagent materials were placed in contact with Wilsonart® Quartz surface with a one-inch square 100% cotton cloth completely saturated and covered with a 2” (50.8mm) diameter watch cover glass for 15 minute duration. The reagents listed above were removed with clean cloth and the area was then cleaned with clean cloth and distilled water only. The surface area was allowed to dry for 1-hour prior to evaluation for effect.
* Causes slight change of gloss or color.
** Causes slight damage, with degree of damage proportionate to length of exposure and concentration.

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3. Care and Maintenance

4. Warranty

5. **Customer Service**
   For samples, literature, questions, technical assistance, or warranty information, please contact our toll-free Hotline at (800) 433-3222, Monday through Friday, 8 am – 5 pm CST, or visit our website at www.wilsonart.com.

Quartz Tech Data
Revised: July 9, 2020
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Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-006_CT-003-DA

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Daltile
Model	One-Quartz
Dimensions	Refer to Design Guideline Drawings
Color	NQ30 Morning Frost
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Thickness	2 cm

SPECIAL INSTRUCTIONS

Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: Daltile
Contact Name: Morgan Stephenson
Phone: (214) 309-4531
Email: morgan.stephenson@daltile.com

ALTERNATE MANUFACTURER 2

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Buffet

SLAB

ML-006_CT-003-DA

ONE QUARTZ SURFACES®

MARBLE LOOK | STONE LOOK | CONCRETE LOOK | MONOCHROMATIC LOOK

daltile®

FROM NATURE CHIC – TO CITY SLEEK

With the ONE Quartz Surfaces® assortment, we've brought together the beauty of quartz and modern technology to create new and exciting possibilities. ONE Quartz Surfaces® gives you more design choices for your next project. The low maintenance and durability of ONE Quartz Surfaces® countertops make it perfect for any application, commercial or residential. Functional yet chic, that's what ONE Quartz Surfaces® is all about.

AVAILABLE IN:

Within these categories, you'll have more selection than ever before.

- Marble Look
- Stone Look
- Concrete Look
- Monochromatic Look

SLAB

USAGE

- FLOOR
- WALL
- COUNTERTOP
- SHOWER FLOOR
- EXTERIOR

SPECIAL FEATURES

- STEPWISE™
- TRU-EDGE™
- MADE IN THE USA WITH IMPORTED MATERIAL
- LARGE FORMAT
- MOSAIC/ DECO
- ENCAUSTIC
- TERRAZZO
- PAVER
- CUSTOMIZE
- FLEXFIT™

Q QUARTZ

$ LOW HIGH

SEE CHARTS FOR FULL PRODUCT DETAILS

Cover photo features ONE Quartz Surfaces® Valor White on the countertop and backsplash, Mesmerist™ Charm 3 x 12 glossy on the wall and Season Wood™ Snow Pine 6 x 48 matte on the floor. Above photo features Independence Calacatta on the countertop.

ML-006_CT-003-DA

Photo features ONE Quartz Surfaces® National Marble Series Statuary Unity on the sink and backsplash.

			RESISTANCE						
	PRICE	STYLE	CHIPS	HEAT	STAIN	SCRATCHES	SEALING REQUIRED	MAINTENANCE	PROS
ONE QUARTZ SURFACES®	$$$	•••	•••	•••	•••	•••	NO	NO	Highly stain resistant Excellent for undermount sinks Engineered, so has consistent look Tons of colors to choose from

••• EXCELLENT
•• GOOD
• FAIR

Photo features ONE Quartz Surfaces® Patriotic Calacatta on the countertop.

ML-006_CT-003-DA

MARBLE LOOK

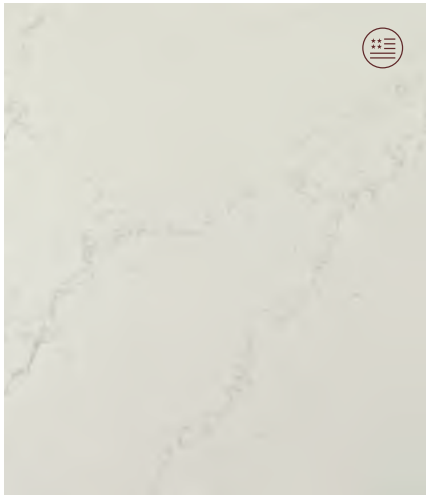
ONE QUARTZ SURFACES®

MARBLE LOOK

RUSHMORE OQ41

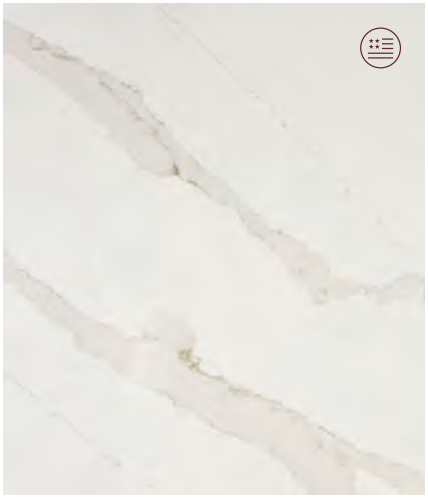
FREEDOM CALACATTA OQ42

WASHINGTON OQ43

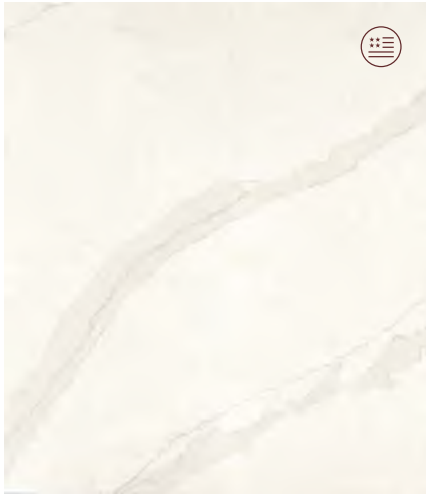


LIBERTY CALACATTA OQ44

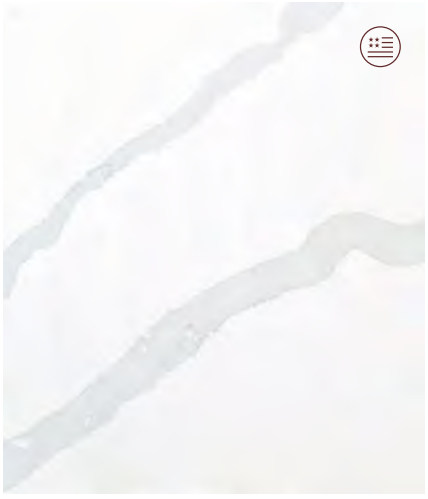
LIBERTY GOLD OQ45



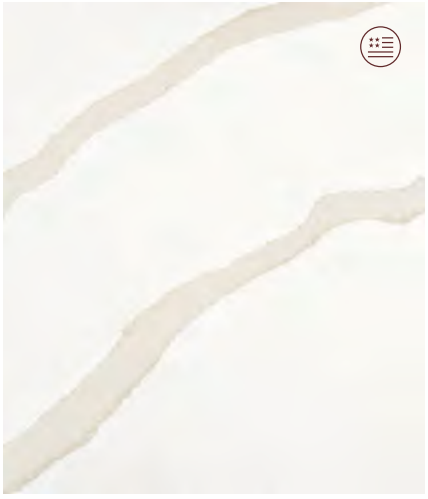
PATRIOTIC CALACATTA OQ47



INDEPENDENCE CALACATTA OQ48



STATUARY UNITY OQ53



STATUARY GLORY OQ52

Made in U.S.A. with imported material

ONE QUARTZ SURFACES®

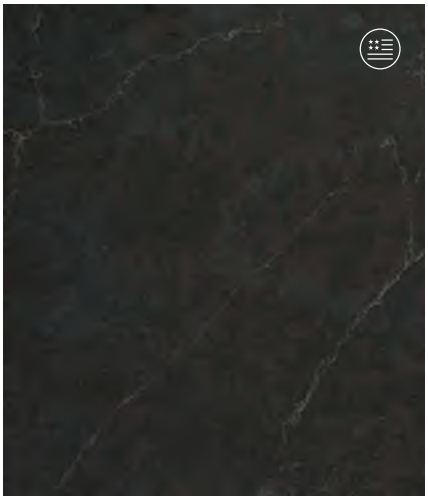
MARBLE LOOK

WHITE STATUARY NQ12

CALACATTA NQ06

CARRARA VEIL OQ12

CARRARA AURA OQ09



BROADWAY BLACK OQ03*

Made in U.S.A. with imported material

*Material also stocked in Leather finish.

Photo features ONE Quartz Surfaces® Capitol Beige on the wall and countertop.

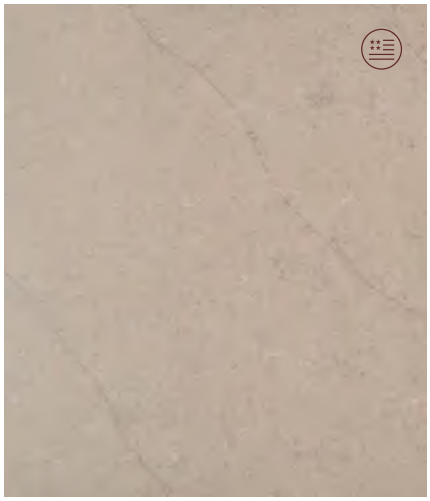
ML-006_CT-003-DA

STONE LOOK

ONE QUARTZ SURFACES®

STONE LOOK

VALOR WHITE OQ55

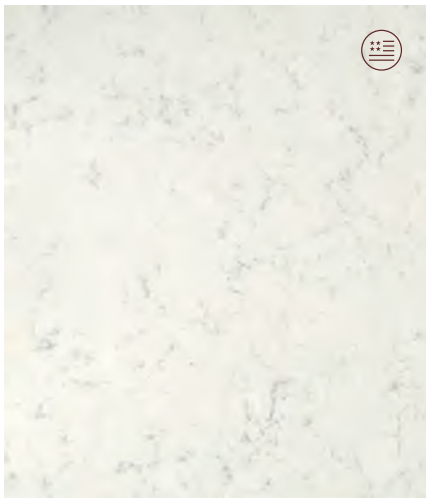


CAPITOL BEIGE OQ57

NOBLE GREY OQ56

ARCHES OQ33

NIAGARA OQ32



ROCKY MOUNTAIN OQ34

GOLDEN GATE OQ37

JASMINE WHITE OQ27

KODIAK OQ21

Made in U.S.A. with imported material

ONE QUARTZ SURFACES®

STONE LOOK

ASPEN GREY OQ20

WHITE SAND NQ97

ALMONDINE NQ36

EQUINOX OQ23

AVENUE WHITE OQ01*

ALPINE WINTER OQ19

RIVERBANK NQ93

Made in U.S.A. with imported material

*Material also stocked in Leather finish.

ML-006_CT-003-DA

Photo features ONE Quartz Surfaces® Mercer Grey on the countertop and wall.

ML-006_CT-003-DA

CONCRETE LOOK

Photo features ONE Quartz Surfaces® Concrete Gray on the countertop.

ONE QUARTZ SURFACES®

CONCRETE LOOK

LINCOLN WHITE NQ59

ASH GREY NQ69*

CABRINI GREY NQ51

MERCER GREY NQ52

LUDLOW TAN NQ55

COLUMBUS BROWN NQ56

CONCRETE GREY NQ87

*Material also stocked in Honed finish

ML-006_CT-003-DA

Photo features ONE Quartz Surfaces® White Ice on the countertop.

ML-006_CT-003-DA

MONOCHROMATIC LOOK

ONE QUARTZ SURFACES®

MONOCHROMATIC LOOK

CHIPPED ICE NQ91

MORNING FROST NQ30

WOVEN WOOL NQ09

SIMPLY WHITE NQ76*

SIMPLY GREY OQ30*

SIMPLY BEIGE OQ29*

Made in U.S.A. with imported material

ONE QUARTZ SURFACES®

MONOCHROMATIC LOOK

WHITE ICE NQ90

FRESH LINENS NQ66

EVENING GREY NQ43

BRUSHED FLANNEL NQ60

MESA DUNE NQ89

METEOR SHOWER NQ25

Made in U.S.A. with imported material

*ONE Quartz Basics

ONE QUARTZ SURFACES®

ML-006_CT-003-DA

PRODUCT INFORMATION

Finishes	Actual Size	Thickness
Polished	**DOMESTIC COLORS** 135-7/8" x 78-3/4" (345 cm x 200 cm) **IMPORTED COLORS** Please reach out to local stone center for size details on all sourced products. Slab sizes vary.	1-1/4" (3 cm) & 3/4" (2 cm)

Custom slab finishes in semi-polished, honed and leather are available by special order.

Not all colors available in alternative finishes. Please contact your local slab center for availability.

INSTALLATION

Shade Variation
Medium (V2)

NOTES

ONE Quartz Surfaces products are nonporous, reducing the potential for bacteria growth, resist common food stains and are stronger than natural granite.

ONE Quartz Surfaces products are virtually maintenance free.

ONE Quartz Surfaces products contain natural quartz stone providing consistent color and visual movement. A wide range of color options allow for more design freedom.

ONE Quartz Surfaces products have a durable, scratch-resistant surface.

ONE Quartz Surfaces products are heat and scorch-resistant under normal cooking conditions (use of a trivet is recommended for longer or extreme heat exposure).

Visit daltile.com/countertops-product-category/one-quartz for additional polished, semi-polished, honed and leather finish details.

Twenty-Five year limited warranty.
Visit daltile.com/countertops-product-category/one-quartz or details.

Fifteen-year limited warranty on imported materials.
Visit daltile.com/countertops-product-category/one-quartz for details.

White thin-set or mortar is recommended for the lighter colors of ONE Quartz Surfaces tiles.

WARNING: This product can expose you to chemicals known to the State of California to cause cancer, including crystalline Silica (airborne particles of respirable size) in dust created if the product is dry cut/ground/polished or pulverized during fabrication/installation/removal. For more information, go to www.P65Warnings.ca.gov.

For information refer to "Factors to Consider" at daltile.com/Factors.

APPLICATIONS

	Target DCOF wet	Suitable
Dry & Level – Interior Floor	N/A	
Wet & Level – Interior Floor	≥ 0.42	
Shower Floors (Residential or Light Commercial)	≥ 0.42	
Exterior Floor Applications (including pool decking & other wet areas with minimal footwear)	≥ 0.60	
Ramps & Inclines	≥ 0.65	
Walls/Backsplashes	N/A	✓
Countertops	N/A	✓
Pool Linings	N/A	

ONE Quartz Surfaces do not meet minimum coefficient of friction thresholds recommended by safety standard-setting organizations. Water, oil, grease, etc., create slippery conditions. Floor applications with exposure to these conditions require extra caution in product selection.

APPLICATION NOTES:

Quartz not suitable for exterior applications due to small resin content. The sun will etch the material.

SLAB PERFORMANCE CHARACTERISTICS

	Test Method	Average Result*
Abrasion Wear Index	ASTM C501	≥ 135
Bulk Specific Gravity	ASTM C97	≤ 2500 kg / cubic meter
Chemical Resistance	ASTM C650	Resistant to typical household cleaners
Coefficient of Thermal Expansion	ASTM C531	≤ 4.0 • 10^{-5} °C^{-1}
Flexural Strength	ASTM C880	≥ 35 MPa
Water Absorption	ASTM C97	≤ 0.10%
Scratch Resistance (Mohs Hardness)	ASTM C1895	≥ 5
Stain Resistance	ANSI Z124.6	Pass
Thermal Shock Resistance	ASTM C484	Pass – No Effect

* Custom testing results by color are available upon request.

Fifteen Year Limited Warranty, visit daltile.com for complete warranty details.♦

Twenty Five Year Commercial Limited Warranty, visit daltile.com for complete warranty details.

Lifetime Residential Limited Warranty, visit daltile.com for complete warranty details.*

MADE IN THE USA WITH IMPORTED MATERIAL.

To See Approved Colors, Please Check The Below Link:
info.nsf.org/Certified/Food/Listings.asp?Company=C0536133&Standard=051

♦Sourced SKUS

*Made in the USA with imported material.

7834 C.F. Hawn Freeway,
Dallas, Texas 75217 | 1.800.933.TILE

To view the complete collection of Daltile® products and information, visit our website at **daltile.com.**

daltile®
IMAGINE WHAT'S POSSIBLE™

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Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-006_CT-003-WIL

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Wilsonart International, Inc.
Model	Q1001
Dimensions	3/4" Thick
Color	Serene
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Fire/Smoke Rating	ASTM E84 Class 1 (NFPA Class A) FS-25 or less.
Structural Performance	Mohs Hardness Scale: 6 to 6.5. Density: Not less than 2 g/cm3 when tested per ASTM C97.
Thermal Performance	Thermal shock: Pass 5 cycles, tested per ASTM C484.
Best Practices	UL Greenguard certified
Quality Standards	NSF/ANSI 51 Certified. Stain resistance: Passes ANSI Z124.6. Water absorption: Maximum 0.04 percent, tested per ASTM C97. Chemical resistance: Not Affected when tested per ASTM C650.
Accessibility Compliance	Not Applicable
Water Sense	Not Applicable
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	N
Thickness	3/4"
Finish	Polished
Warranty	One (1) year minimum warranty against defects in materials and workmanship. Commercial Lifetime warranty
Notes	Refer to drawings for edge profile

SPECIAL INSTRUCTIONS

Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER	AREAS

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Vendor Name: Wilsonart International Contact Name: Amy Morgenweck Phone: 917-951-6524 Email: morgena@wilsonart.com	Buffet
ALTERNATE MANUFACTURER 2	
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

TECHNICAL DATA
Wilsonart® Quartz

Wilsonart
2501 Wilsonart Drive
P.O. Box 6110
Temple, TX 76503-6110

1. Distributor

Wilsonart LLC
2501 Wilsonart Drive
P.O. Box 6110
Temple, Texas 76503-6110
Toll-Free: 800-433-3222
Website: www.wilsonart.com

2. Product Descriptions

Product Composition

Wilsonart® Quartz is manufactured with up to 93 percent high quality natural quartz crystals, high quality polyester binders, and proprietary coloring agents that are homogeneous, with uniform color throughout their thickness.

Basic Limitations

Wilsonart® Quartz is designed for interior use only, ideal for residential and commercial applications. Wilsonart Quartz is a solid, non-porous, highly durable surface and resistant to scratching, staining, and water absorption and is virtually maintenance free.

Fabrication

Refer to the Wilsonart Quartz Fabrication Manual or contact a Wilsonart® Quartz Fabricator or Distributor for details.

Colors and Finishes

Wilsonart® Quartz has created a wide array of colors. Wilsonart Quartz is available in a polished finish.
Glossometer reading: >45

Sheet Dimensions:

	Wilsonart® Quartz Standard Size
Available Sizes	120” (306 cm) x 55” (140 cm), 120” (306 cm) x 63” (160 cm), 126” (320 cm) x 63” (160 cm), 130” (330 cm) x 65” (166 cm)
Thickness	Product Type 062 = 0.79" (2 cm) ± 0.060"(0.15 cm)
Thickness	Product Type 063 = 1.18" (3 cm) ± 0.060"(0.15 cm)
Approximate Weight	Product Type 062 = 10 lbs./ft^2 (2 cm)
Approximate Weight	Product Type 063 = 15 lbs./ft^2 (3 cm)

* Please consult Wilsonart® Quartz Design Library on www.wilsonart.com for available slab sizes by pattern

Physical Properties

Test Description	**Typical Results**	**Test**
Flexural Strength (psi)	>6,000	ASTM D 790
	31 - 75	EN14617-2
Thermal Expansion Coefficient	16 x 10^{-6} - 20.8 x 10^{-6*}	EN14617-11
Impact Resistance	3.4 – 7.35	EN14617-9
Stain Resistance	No Effect	EN14617-10
High Temperature Heat Resistance	No Effect to Slight Effect	ISO 4586
Chemical Resistance (acids and bases)	C4	EN14617-10
Abrasion Resistance	>100	ASTM C501
	23.6 – 27.5	EN14617-4

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Density (g/cm^3)	>2.1	ASTM C97
Compressive Strength (One Axis – Dry) (psi)	>20,000	ASTM C170
Moisture Absorption	<0.03	ASTM C97
	<0.03	EN14617-1
Freeze and Thaw Resistance	0.999	EN14617-5
Fire Behavior	Class 1/A Rating	ASTM E 84

**Test results vary slightly depending on pattern.*
The information contained in this section is based on technical data which Wilsonart LLC believes to be reliable, and is intended for use by persons having knowledge of this technical area at their own discretion.

Certifications
Wilsonart® Quartz is UL GREENGUARD Standard and Gold Standard Certified for low chemical emissions.
NSF 51 Food Zone and FDA food contact compliant.
Wilsonart Quartz is Kosher certified under the Kashruth Division of the Orthodox Union.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Quartz per ISO 4586-2 Method 31 (B)
No effect was exhibited except as noted (* or **) on the following:

1. Beckart Environmental (Stabilized Chlorine Dioxide Mixed with Water at 3000ppm)
2. Benefect® *
3. Claire® Germicidal Cleaner (Country Fresh Scent) **
4. Claire® Disinfectant Spray Q (Country Fresh Scent) **
5. Clean Republic – All Purpose Everyday Cleaner (Hypochlorous Acid – 0.003% Solution)
6. Clorox® Anywhere® Hard Surface Sanitizing Spray *
7. Clorox® Clean-Up (Cleaner & Bleach)
8. Clorox® Disinfecting Bleach w/6% Sodium Hypochlorite (24:1/Water:Bleach)
9. Clorox® Disinfecting Spray
10. Clorox® Disinfecting Wipes
11. Clorox Healthcare® Bleach Germicidal Cleaner *
12. Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant *
13. Clorox Healthcare® Fuzion® Cleaner Disinfectant *
14. Clorox Healthcare® VersaSure® Cleaner Disinfectant Wipes
15. Clorox® Total 360 Disinfectant Cleaner
16. Diversey™ Expose® II 256 *
17. Diversey™ Oxivir 1 *
18. Diversey™ Oxivir Tb Wipes *
19. Diversey™ Stride® Floral Neutral Cleaner
20. Diversey™ Virex® II 256 *
21. Fabuloso® Complete (Multi-Purpose Cleaner)
22. Lysol® Professional Disinfectant Spray
23. Microban® 24 Hour (Multi-Purpose Cleaner)
24. PDI Sani-Prime® Germicidal Spray
25. PDI Super Sani-Cloth® Germicidal Disposable Wipes
26. PURELL® Advanced Hand Sanitizer Gel *
27. Purell® Food Service Surface Sanitizer *
28. Purell® Professional Surface Disinfectant *
29. Purell® Healthcare Surface Disinfectant *
30. Simple Green® Concentrated (All-Purpose Cleaner)
31. Spic and Span® Everyday (Antibacterial Cleaner)

Test procedure: Listed materials were placed in contact with Wilsonart® Quartz surface under 1" (25.4mm) diameter watch cover glass for 16 hours duration prior to evaluation for effect. The branded cleaners and sanitizers listed above were cleaned with water only.

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* Causes slight change of gloss or color.
** Causes slight damage, with degree of damage proportionate to length of exposure and concentration.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Quartz per BIFMA HCF 8.1-2014 (Section 6 / Modified)
No effect was exhibited except as noted (* or **) on the following:

1. Beckart Environmental, Inc. (Stabilized Chlorine Dioxide Mixed with Water at 3000ppm)
2. Benefect®
3. Claire® Germicidal Cleaner (Country Fresh Scent)
4. Claire® Disinfectant Spray Q (Country Fresh Scent)
5. Clean Republic – All Purpose Everyday Cleaner (Hypochlorous Acid – 0.003% Solution)
6. Clorox® Anywhere® Hard Surface Sanitizing Spray
7. Clorox® Clean-Up (Cleaner & Bleach)
8. Clorox® Disinfecting Bleach w/6% Sodium Hypochlorite (24:1/Water:Bleach)
9. Clorox® Disinfecting Spray
10. Clorox® Disinfecting Wipes
11. Clorox Healthcare® Bleach Germicidal Cleaner
12. Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant *
13. Clorox Healthcare® Fuzion® Cleaner Disinfectant
14. Clorox Healthcare® VersaSure® Cleaner Disinfectant Wipes
15. Clorox® Total 360 Disinfectant Cleaner
16. Diversey™ Expose II 256
17. Diversey™ Oxivir 1 *
18. Diversey™ Stride® Floral Neutral Cleaner
19. Diversey™ Tb Wipes *
20. Diversey™ Virex II 256
21. Fabuloso® Complete (Multi-Purpose Cleaner)
22. Lysol® Professional Disinfectant Spray
23. Microban® 24 Hour (Multi-Purpose Cleaner)
24. PDI Sani-Prime® Germicidal Spray
25. PDI Super Sani-Cloth® Germicidal Disposable Wipes
26. PURELL® Advanced Hand Sanitizer Gel
27. Purell® Food Service Surface Sanitizer
28. Purell® Professional Surface Disinfectant
29. Purell® Healthcare Surface Disinfectant
30. Simple Green® Concentrated (All-Purpose Cleaner)
31. Spic and Span® Everyday (Antibacterial Cleaner)

Test procedure: Listed reagent materials were placed in contact with Wilsonart® Quartz surface with a one-inch square 100% cotton cloth completely saturated and covered with a 2” (50.8mm) diameter watch cover glass for 15 minute duration. The reagents listed above were removed with clean cloth and the area was then cleaned with clean cloth and distilled water only. The surface area was allowed to dry for 1-hour prior to evaluation for effect.
* Causes slight change of gloss or color.
** Causes slight damage, with degree of damage proportionate to length of exposure and concentration.

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3. Care and Maintenance

4. Warranty

5. **Customer Service**
   For samples, literature, questions, technical assistance, or warranty information, please contact our toll-free Hotline at (800) 433-3222, Monday through Friday, 8 am – 5 pm CST, or visit our website at www.wilsonart.com.

Quartz Tech Data
Revised: July 9, 2020
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Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-006_LA-002-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Plastic Laminate
Item Type	Type 107 General Purpose (HGS) Laminate
Description	General purpose laminate product
Manufacturer	Wilsonart
Model	#7850-12
Dimensions	0.045" Plus Minus 0.005" Thickness, Standard Sheet Widths 36", 48", 60" x Standard Sheet Lengths 96", 120", 144"
Color	Beigewood
Finish	SoftGrain
Material Composition	Melamine impregnated deccorative surface papers combined with fire retardant phenolic treated kraft paper
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023 - Interior Architectural Woodwork
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Beigewood 7850-12
Warranty	1 Year
Notes	Recommended substrates for laminates are Particleboard, Medium Density Fiberboard (MDF) or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates.

SPECIAL INSTRUCTIONS

1. Run grain direction vertically unless noted otherwise.
2. PVC Edgebanding:
a. Exposed Ends: Grade VGS plastic laminate or minimum 0.030-inch thick PVC edge banding. Color to match exposed faces.
b. Semi-exposed Ends; Grade VGS plastic laminate or minimum 0.030-inch thick PVC edge banding. Color to match exposed faces.
3. Melamine at all vertical surfaces/HPL at all horizontal surfaces
4. Elevator Interior Cab: Materials shall comply with NEMA LD-3
a. Fire-Retardant Treated Particleboard Panels : Minimum ½-inch thick backup for plastic laminate veneered panels, provided with suitable anti-warp backing; to meet ASTM E84 Class “A” rating with flame-spread rating of 25 or less.

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-006_LA-002-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk
In-A-Pinch
Connection Center
Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Public Restrooms
Elevator Lobby
Administration
Lobby
Breakfast

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-006_LA-006-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Plastic Laminate
Item Type	Thermally Fused Laminate (TFL)
Description	Thermally Fused Melamine
Manufacturer	Wilsonart
Model	N/A
Dimensions	Standard panels are 49 and 61 inches. Standard panel lenth is 97 inches.
Color	Gray 1500-60
Finish	Matte
Material Composition	Laminate Composition: Melamine saturated decorative layers thermally fused to both core face surfaces with heat and pressure. Stain resistant surface with wear and scratch resistance.
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023 - Interior Architectural Woodwork
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Thermally Fused Laminate/1500-60 Gray
Warranty	1 Year
Notes	Panel Core Material: Composite panel product composed primarily of cellulosic materials and a bonding system, resulting in a durable and dimensionally stable substrate suitable for decorative laminate overlays. Panel core material can be particleboard or medium density fiberboard.

SPECIAL INSTRUCTIONS

All substrates should be sanded smooth, and should be clean and free of oil or grease, and uniform in thickness.

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

AREAS

Welcome Desk
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Buffet
Flex

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

ALTERNATE MANUFACTURER 3	Fitness Center Employee Areas Elevator Lobby Administration Lobby
ALTERNATE MANUFACTURER 4	

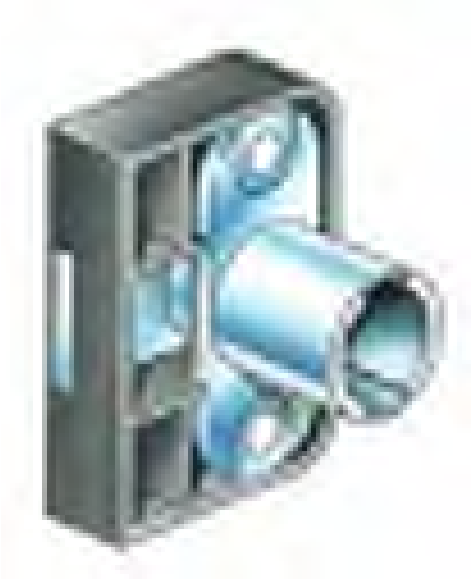
Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-006_MH-002-CX

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Door Locks
Item Type	Locks
Description	Cabinet Lock for Doors
Manufacturer	CompX-Timberline
Model	290 Series
Finish	Satin Nickel
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Screw/Nail	As recommended by Manufacturer
Finish	US15
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.
Notes	Use C700LP-15 Plugs https://tinyurl.com/2s3jxrad



SPECIAL INSTRUCTIONS

All locks in the same component to be on the same key, unless noted otherwise. Other millwork items on the hotel property with locks shall be keyed separately. Ensure master key is different at each hotel in the system.

MANUFACTURER

Vendor Name: CompX-Timberline
Contact Name:
Phone: 847.752.2600
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

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ML-006_MH-003-GR

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Concealed Hinges
Item Type	Hinges
Description	Concealed Hinges for Cabinet Doors
Manufacturer	Grass America
Model	Tiomos 110 Overlay, Half Overlay or Inset
Finish	Nickel Plated
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Screw/Nail	As recommended by Manufacturer
Finish	US15
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.
Notes	Use soft close hinges. https://tinyurl.com/2ubsjany

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Grass America
Contact Name:
Phone: 800.334.3512
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

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ML-006_MH-005-KV

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Shelf Supports Pins & Bussings
Item Type	Shelf Supports
Description	Shelf Supports (non-exposed 5mm)
Manufacturer	KV
Model	345
Dimensions	5/16"
Finish	Nickel Plated (NP)
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Screw/Nail	As recommended by Manufacturer
Finish	Nickel Plated (NP)
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: KV
Contact Name: Customer Service
Phone: 1(800)-253-1561
Email: customer.service@kv.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

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ML-006_MH-017-JG

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Cabinet Pulls
Item Type	Door & Drawer Edge Pull
Description	Edge Pull
Manufacturer	J.G. Edelen Company, Inc
Model	Liberty Hardware P31675-SN-C Modern Edge Collection
Dimensions	7"L x 1-5/8"W x 1"H
Finish	Satin Nickel
Material Composition	Zinc Die Cast, solid sheet aluminum construction
CSI #	12 32 16 - Manufactured Plastic Laminate Clad Casework
Omniclass #	22-12 32 16 - Manufactured Plastic Laminate Clad Casework
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

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ML-006_MT-002

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Decorative Metal Fabrications
Item Type	Aluminum Sheet & Tube
Description	1/8" thick aluminum sheet metal and 1" x 1" Aluminum Tube, Powder Coated
Manufacturer	Not Applicable
Model	Not Applicable
Dimensions	Refer to Design Guideline Drawings
Color	Tiger Drylac 049/66230, Color: Brown C33
Finish	Metallic Smooth/Matte; Fluropolymer (PVDF) 70% resin, 2-coat system complying with AAMA 2605
CSI #	057500 - Decorative Formed Metal
Omniclass #	22 - 057500 - Decorative Formed Metal
Quality Standards	Aluminum Plate and Sheet: ASTM B209/B209M, Alloy 6061-T6; Aluminum Extruded Bar and Tubes: ASTM B221, Alloy 6063-T5. Comply with NAAMM "Metal Finishes Manual" for “Architectural and Metal Products” for recommendations relative to application and designations of finishes. for type of use and finish indicated.
Part of an Assembly	N
Notes	Sheet metal directly adhered to substrate per manufacturer's recommended adhesive. Form decorative metal to required shapes and sizes, true to line and level with true curves and accurate angles and surfaces. Finish exposed surfaces to smooth, sharp, well-defined lines and arris.

SPECIAL INSTRUCTIONS

If finished in the field; refer to the Building Product Manual Paint Schedule in the appendix for interior painted metal surfaces.

MANUFACTURER	AREAS
ALTERNATE MANUFACTURER 2	Hub Buffet Breakfast
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

TIGER Drylac® Powder Coatings

SERIES 49 - interior and exterior applications

POLYESTER TGIC WEATHER RESISTANT POWDER COATING FOR INTERIOR AND EXTERIOR APPLICATIONS

Typical applications

- residential windows and doors
- lawn mowers and garden equipment
- patio furniture
- automotive accessories
- bicycles and motorcycles
- agricultural machinery
- sporting goods
- internal ship components

Product details

Standard packaging — in original 44 & 55 lb (20 & 25 kg) boxes and 5 lb (2.5 kg) minipack

Specific gravity (ASTM D792) — approximately 1.2-1.8 g/cm^3 depending on pigmentation

Theoretical coverage — at 2.5 mils (60 µm) film thickness: **51.5 ft²/lb (11.1 m²/kg)**. Refer also to "Theoretic Powder Coating Coverage Chart" version 00-1001 (imperial) version 00-1000 (metric)

Storage stability — 12 months at no more than 77 °F (25 °C) avoid direct and extended exposure to heat

Finish

finish	gloss
smooth *glossy*	80-95+*
smooth *semi-gloss*	55-65*
smooth *matte*	15-25*
rough texture *glossy*	visual
rough texture *matte*	visual
fine texture	visual
fluorescent	visual
clear, glitter, candy tones	visual
dormant transparent	visual
holographic	visual
metallic and other special effects	visual

* *Gloss level according to ASTM 523 at 60° angle (doesn't apply to metallic effect powder coatings). The measured gloss level of effect powder coatings can diverge from the details given in this Product Data Sheet. The creation of tolerance samples is recommended.*

Available as stock product in a selection of colors and finishes (see color charts). It can be made to order in non-stock colors (minimum order quantity applies).

Features

- good weather resistance
- good mechanical properties
- good flow
- good coverage
- good storage stability
- available in Out Gassing Forgiving (OGF) formulation
- Underwriter Laboratories recognized component (UL approved)

Underwriters Laboratories Inc., (UL) Recognition.

Pretreatment

The following table reflects the common methods of pre-treatment with regards to various substrates and applications. In selecting the proper type of pretreatment, the suitability of the type of powder coating for a desired application according to the guidelines on this page should be observed.

	Aluminum			Galvanized Steel				Steel		
Degreasing	○			○				○		
1) Chromating	○	○	○	○	○	○	○			
2) Pre-Anodizing	○	○	○							
2) Chrome free	○	○	○	○	○					
Iron Phosphating								○	○	
Zinc Phosphating				○	○	○	○	○	○	○
Blasting								○	○	○
3) Sweeping				○	○	○	○			
	I	E	A	I	E	A	S	I	E	S[4]

Application: I = interior; E = exterior; A = architectural; S = steel

1) according to ASTM B 449
2) according to GSB quality and test regulations. The suitability of this type of pretreatment needs to be established through a boiling water test and subsequent cross-hatch adhesion and adhesive tape removal test
3) only for zinc coated parts >1.8 mils (>45 µm)
4) for a two-coat process/TIGER Shield

Processing

Corona and Tribostatic*

** For Tribostatic powder coatings, confirm before ordering. Suitability of metallic effects for Tribostatic processing must be verified prior to actual application. Please refer to the latest edition of the relevant application guidelines for metallic effect powder coatings.*

Since not all powder coatings are suitable for recycling/reclaim, please verify before ordering.

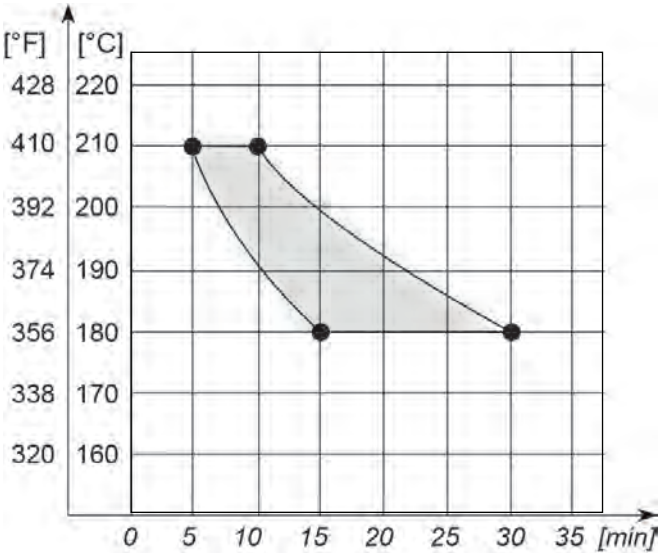
Product data sheet

TIGER Drylac® Powder Coatings

Cure parameters

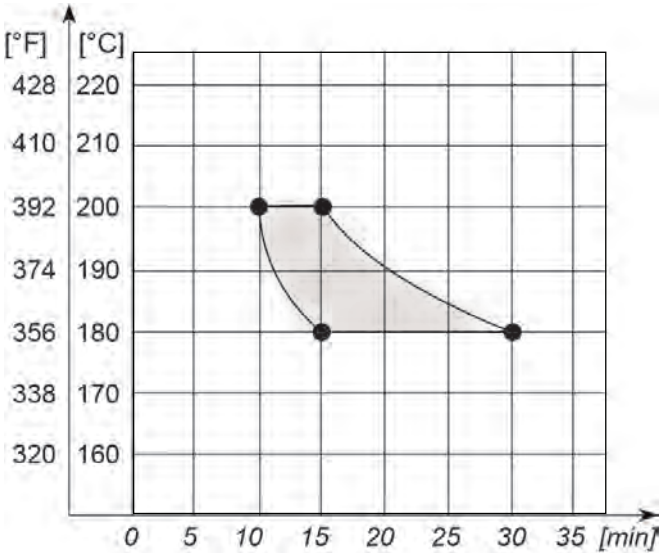
(substrate temperature versus curing time)

smooth *glossy*



substrate temp.	min. curing time	max. curing time
356 °F (180 °C)	15 minutes	30 minutes
410 °F (210 °C)	5 minutes	10 minutes

smooth *matte*



substrate temp.	min. curing time	max. curing time
356 °F (180 °C)	15 minutes	30 minutes
392 °F (200 °C)	10 minutes	15 minutes

Cure parameters must be closely observed since mechanical properties will develop before full cross-linking.

Test results

Checked under laboratory conditions on iron phosphated steel test panels Bonderite B-1000 or equivalent. Cure conditions are according to the cure curves. Actual product performance may vary due to product-specific properties such as gloss, color, effect and finish as well as application-related and environmental influences. When used as a two-coat system, the increase in film thickness will result in a decrease of mechanical properties.

test method	test	Series 49 smooth *glossy*	Series 49 smooth *semi-gloss*	Series 49 smooth *matte*
ISO 2360	**recommended film thickness**	2.5-3.5 mils (60-80 µm)	2.5-3.5 mils (60-80 µm)	2.5-3.5 mils (60-80 µm)
ASTM D523	**gloss - 60°**	80-95+	55-65	15-25
ASTM D3359 method B	**cross cut tape test** 1mm cutting distance	5B	5B	5B
ASTM D522	**mandrel bending test** cracking of coating	≤1/8 inch (≤3 mm)	≤5/32 inch (≤4 mm)	≤3/16 inch (≤5 mm)
ASTM D2794	**ball impact test** cracking of coating	80 in/lb no appearance of cracks down to the substrate	80 in/lb no appearance of cracks down to the substrate	80 in/lb no appearance of cracks down to the substrate
ASTM D3363	**pencil hardness**	2H minimum	2H minimum	2H minimum
ASTM D2247	**determination of resistance to humidity** 1,000 hours	maximum undercutting 1/8 inch (3 mm), no blistering	maximum undercutting 1/8 inch (3 mm), no blistering	maximum undercutting 1/8 inch (3 mm), no blistering
ASTM B117	**salt spray resistance** 1,000 hours	maximum undercutting 1/8 inch (3 mm), no blistering	maximum undercutting 1/8 inch (3 mm), no blistering	maximum undercutting 1/8 inch (3 mm), no blistering

Cleaning recommendations: refer to the latest edition of TIGER “Cleaning Recommendations” information sheet, Version 00-1005.

Series 49

TIGER Drylac® Powder Coatings

Please note

For metallic finishes, it is recommended to observe the guidelines published in the latest edition of TIGER Drylac® "Application guidelines for metallic effect powder coatings".

Please consult the manufacturer before applying any 2-coat systems that feature (i) a primer or e-coat as base coat and (ii) a metallic effect powder coating as a top coat.

Top coating with a clear exterior grade powder coating over an interior grade powder coating does not result into a weather resistant coating system.

Post-bending properties of any part must be verified prior to application. Minor cracks in the coated surface may lead to corrosion.

Joint sealants and any other auxiliary products, such as glazing aids, gliding waxes, drilling and cutting lubricants, which come in contact with the coated surface, must be pH-neutral and free of substances that may damage the finish. Therefore, a suitability test at the applicator's end, prior to coating, is highly recommended.

In general, colors in the red, orange and yellow range may require an increased film thickness to achieve full hiding.

Please read and understand the Safety Data Sheet (SDS) before use.

Chemical resistance

The required chemical resistance of a powder coating depends, among other things, on its formulation. Chemical resistance requirements must be considered according to processing conditions and final use of the finished product. This is best established during the product specification process. Agreement between all parties involved must be reached about the requirements for such chemical resistance as well as the test method, which may be performed in accordance with PCI test method #8 "Solvent Cure Test". Furthermore, the test duration and concentration of the test media need to be agreed upon.

Disclaimer

TIGER's verbal and written recommendations for the use of its products are based upon experience and in accordance with current technological standards. These are provided in order to support the buyer or user. They are non-committal and do not create any additional commitments to the purchase agreement. They do not release the buyer from verifying the suitability of TIGER products for the intended application. TIGER warrants that its products are free of flaws and defects to the extent stipulated in the Terms of Delivery and Payment.

As part of TIGER product information program, each Product Data Sheet is updated periodically. The latest version shall prevail. It is recommended to always check for the latest editions on TIGER's website download area www.tiger-coatings.com to make sure you have the most current version of this Product Data Sheet. The information on TIGER's Product Data Sheets are subject to change without notification.

This Product Data Sheet supersedes and replaces all previous Product Data Sheet versions and notes to customers published in relation to this product and is only intended to provide a general overview on the product.

Latest versions of Technical Information Sheets and Terms of Delivery and Payment are downloadable from www.tiger-coatings.com and form an integral part of this Product Data Sheet.

Series 49

Certified according to ISO 9001 | 14001

TIGER Drylac U.S.A., Inc.
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E office.us@tiger-coatings.us
W www.tiger-coatings.us

Buffet_ML-007

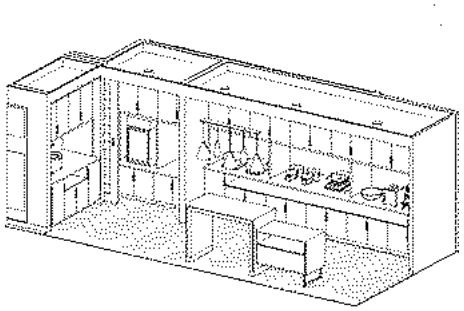
Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-007

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Buffet Millwork
Item Type	Public Millwork
Description	Plastic Laminate Clad Custom Millwork consisting of cabinets, shelves, and countertops.
Manufacturer	R.B. Woodcraft, J. Suss Industries; MGroup; MillRock Casework
Model	Not Applicable
Dimensions	Refer to Design Guideline Drawings
Color	Refer to Design Guideline Drawings and Building Product Manual
Finish	Refer to Design Guideline Drawings and Building Product Manual
Material Composition	Cabinet to Door Interface shall be Frameless, Flush (Full) Overlay. Grain direction to be horizontal on doors, drawer fronts, knee space panels, aprons & end panels.
CSI #	12 32 16 - Manufactured Plastic Laminate Clad Casework
Omniclass #	22-12 32 16 - Manufactured Plastic Laminate Clad Casework
Grade	Lumber shall be in accordance with the AWS Grade specified for the product being fabricated. Moisture content shall be 6% to 12% for boards up to 2-inches nominal thickness, and shall not exceed 19% for thicker pieces.
Classification	Particle Board: ANSI A208.1, Mat-Formed Particle Board, Grade 1-M-2, with minimum density of 45 pcf. Internal bond of 60 psi, and minimum screw holding capacity of 225 lb. on faces and 200 lb. on edges. Hardboard: ANSI A135.4, Class 1, tempered. E. MDF: ANSI A208.2, Grade 130.
Acoustical Performance	Door & Drawer bumpers to be placed on all cabinet doors and drawers.
Best Practices	Use products with no urea-formaldehyde resins. Use adhesives with Low VOC content.
Quality Standards	Architectural Woodwork Standards (AWS)
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	N
Design & Construction	See attached specifications. All listed millwork must be manufactured in accordance with the attached specifications.
Lighting	Not Applicable
Plastic Laminate	Refer to Specifications
Millwork Hardware	Refer to Specifications
Pattern/ Color	Refer to drawings for finishes. Review and approval

	of finish samples required prior to manufacturing.
Fabric Wrapped Panels	Not Applicable
Lead Time	TBD
Notes	1. Public Space Casework: Interior face of exposed cabinet units shall be Thermoset Decorative Overlay (melamine), to match door fronts as shown in the Design Guideline Drawings. a. Exposed & Semi-Exposed ends: Grade VGS plastic laminate or minimum 1mm thick PVC edge banding. Color to match exposed faces. b. Interior unexposed face of units that are likely to become wet should be constructed of polyester overlaid plywood cabinet liner materials: Cabinet Liner Industrial Panel by Olympic Panel Products, LLC or approved substitution. 2. Top and Bottom Rails; and Sub-toe Boards: Not less than 3/4-inch particleboard faced with Grade VGS plastic laminate to match door and drawer fronts. Machine ends for wood-dowel or mechanical dowel fasteners to receive top, bottom, and back. Base ends to extend to floor. Finish exposed ends to match doors and doors and drawer fronts. 3. Unexposed Ends: Not less than 3/4-inch tempered hardboard; finished with Thermoset Decorative Overlay (Melamine). Attach to front frame in same manner as exposed ends. 4. Back Panels: Not less than 1/4-inch tempered hardboard or MDF; finished with Thermoset Decorative Overlay (Melamine). 5. Doors 48 Inches or Less in Height: 3/4 inch thick, Particle Board cores. Front faces to be Grade VGS plastic laminate overlay, and back faces to be Thermoset Decorative Overlay (melamine). Provide stop silencers at the top and bottom of all hinged doors. 6. Shelving (within cabinetry): Not less than 3/4” particle board with Thermoset Decorative Overlay (melamine) to match cabinet interior, PVC edge banding; adjustable at least every 1-1/2 inch; clear plastic [seismic] shelf clip pressed into 5mm holes bored in cabinet side. Fabricate base shelf to half depth. Exposed Fixed Shelving Units: Front faces to be Grade VGS plastic laminate overlay. 7. Filler Strips: Provide as needed to close spaces between cabinets and walls, ceilings, and indicated equipment. Fabricate from same material and with same finish as cabinets. Oversize for field cutting to suit field conditions and assure continuous enclosure of open spaces. Provide raw (unfinished) cleats at blind corners and appliance openings as required to support countertops, minimum 3/4-inch x 1-1/2 inch x 8 foot length, to be field cut and fit by the installer.

8. Base Cabinet Units:
a. Base Cabinet Top Frames: 3/4-inch solid wood with mortise and tenon or doweled connections, glued and pinned or screwed. Base Cabinet Stretchers: 3/4-by-4-1/2-inch plywood, Particle Board, or MDF strips or solid-wood boards at front and back of cabinet, glued and pinned or screwed.
b. Base Cabinet Stretchers may be provided as an option to base cabinet top frames.
c. Bottoms: Not less than 1/2-inch hardwood plywood faced with Thermoset Decorative Overlay (Melamine) to match door and drawer fronts, fully supported by and secured in rabbets in end panels, front frame, and back bottom rail.
d. Corner Blocks: Glued and fastened in each of four top corners to maintain cabinet squareness and rigidity.
9. Wall Cabinet Units:
a. Tops and Bottoms: Not less than 1/2-inch hardwood plywood faced with Thermoset Decorative Overlay (Melamine) to match door and drawer fronts, fully supported by and secured in rabbets in end panels, front frame, and back rail.

SPECIAL INSTRUCTIONS

Architect / General Contractor to coordinate millwork with equipment sizes and requirements, to include Buffet equipment, lighting, power/data etc.

MANUFACTURER

Vendor Name: RB Woodcraft Inc
Contact Name: Drew Brooks
Phone: (315) 474-2429
Email: drewbrooks@rbwoodcraft.com

ALTERNATE MANUFACTURER 2

Vendor Name: J Suss Industry
Contact Name: Liane Alexander
Phone: (866) 769-5666
Email: liane@jsuss.com

ALTERNATE MANUFACTURER 3

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 4

Vendor Name: Millrock
Contact Name: Jared Jaudon
Phone: (540) 437-3458
Email: jjaudon@millrock.com

AREAS

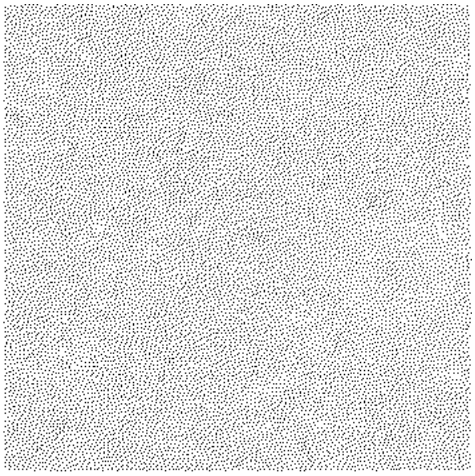
Buffet

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-007_CT-001-BS

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Belstone
Model	Dodi
Dimensions	Refer to Design Guideline Drawings
Color	Demitasse
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Notes	Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 2

Vendor Name: MGroup
Contact Name: Drew Murray

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Public Restrooms

Phone: (706) 302-5590 Email: drew.murray@mgroupcorp.com	Elevator Lobby Hydration Station
ALTERNATE MANUFACTURER 3 Vendor Name: JG EDELEN CO INC Contact Name: Kelly Smith Phone: (410) 918-1200 Email: ksmith@jgedelen.com	
ALTERNATE MANUFACTURER 4 Vendor Name: Daltile Contact Name: Morgan Stephenson Phone: (214) 309-4531 Email: morgan.stephenson@daltile.com	

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-007_CT-001-DA

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Daltile
Model	One-Quartz
Dimensions	Refer to Design Guideline Drawings
Color	QQ20-Aspen Gray
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Thickness	2cm Unless Otherwise Noted. Refer to Details Eased Edge.
Notes	Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: Daltile
Contact Name: Morgan Stephenson
Phone: (214) 309-4531
Email: morgan.stephenson@daltile.com

AREAS

Hub
On Us
Buffet

ALTERNATE MANUFACTURER 2

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 3

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 4

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

Flex
Fitness Center
Employee Areas
Public Restrooms
Hydration Station
Lobby

ML-007_CT-001-DA

WALL | COUNTERTOPS

ONE QUARTZ SURFACES®

daltile®

ONE QUARTZ SURFACES®

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21	MONOCHROMATIC LOOK
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SLAB

USAGE

FLOOR

WALL

COUNTERTOP

SHOWER FLOOR

EXTERIOR FLOOR

SPECIAL FEATURES

STEPWISE

TRU-EDGE

MADE IN THE U.S.A.

LARGE FORMAT

MOSAIC/ DECO

ENCAUSTIC

TERRAZZO

PAVER

CUSTOMIZE

FLEXFIT™

Q

LOW HIGH

SEE CHARTS FOR FULL PRODUCT DETAILS

*MADE IN THE USA WITH IMPORTED MATERIAL.

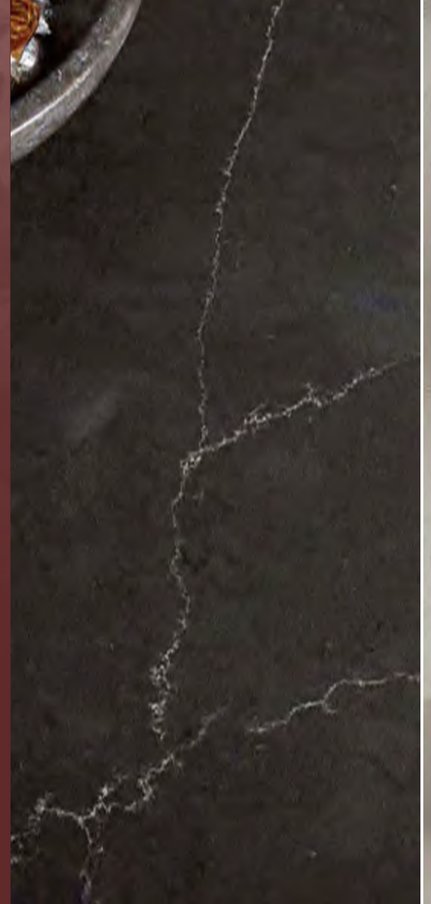
FROM NATURE CHIC – TO CITY SLEEK

With the ONE Quartz Surfaces® assortment, we've brought together the beauty of quartz and modern technology to create new and exciting possibilities. ONE Quartz Surfaces® gives you more design choices for your next project. The low maintenance and durability of ONE Quartz Surfaces® countertops make it perfect for any application, commercial or residential. Functional yet chic, that's what ONE Quartz Surfaces® is all about.

AVAILABLE IN:

Within these unique series, you'll have more selection than ever before.

- Marble Look
- Stone Look
- Concrete Look
- Monochromatic Look

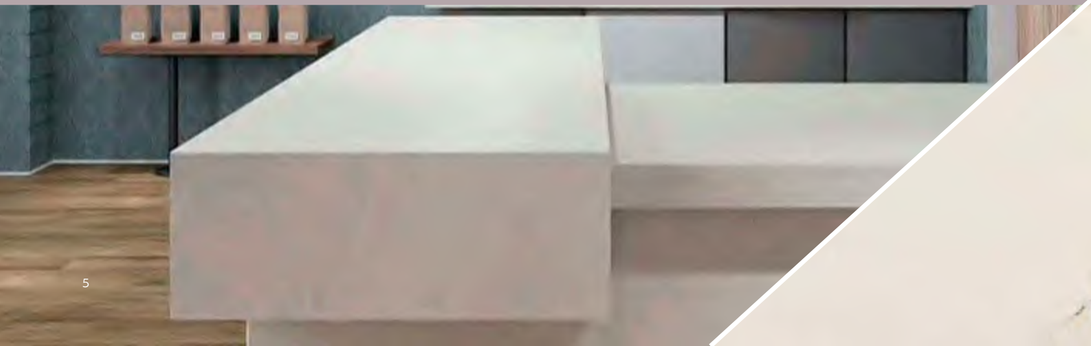


ML-007_CT-001-DA

MARBLE LOOK

Dazzle in design with charming details which embody the luxury of the finest marble. Create drama with striking vein patterns, or infuse tranquility with subtle marbling. This look allows you to create elegant styles with outstanding durability.

Made in the USA with imported material.



ML-007_CT-001-DA

ML-007_CT-001-DA

RUSHMORE OQ41

FREEDOM CALACATTA OQ42

WASHINGTON OQ43

LIBERTY CALACATTA OQ44

LIBERTY GOLD OQ45

PATRIOCTIC CALACATTA OQ47

ML-007_CT-001-DA

INDEPENDENCE CALACATTA OQ48

STATUARY UNITY OQ53

STATUARY GLORY OQ52

WHITE STATUARY NQ12

CALACATTA NQ06

CARRARA VEIL OQ12

CARRARA AURA OQ09

BROADWAY BLACK OQ03
Also stocked in Leather finish

STONE LOOK

Enjoy the opulent beauty of stone with the benefits of extraordinary endurance. From travertine and limestone visuals, the many color choices are versatile for any design. Increase the style in your space with a majestic stone look.

Made in the USA with imported material.

ML-007_CT-001-DA

VALOR WHITE OQ55

CAPITOL BEIGE OQ57

NOBLE GREY OQ56

ARCHES OQ33

NIAGARA OQ32

ROCKY MOUNTAIN OQ34

GOLDEN GATE OQ37

JASMINE WHITE OQ27

ML-007_CT-001-DA

KODIAK OQ21

ASPEN GREY OQ20

WHITE SAND NQ97

ALMONDINE NQ36

EQUINOX OQ23

AVENUE WHITE OQ01
Also stocked in Leather finish

ALPINE WINTER OQ19

RIVERBANK NQ93

CONCRETE LOOK

Concrete features organic natural looks, bustling with city style and sophistication. Add an urban chic feel with looks that closely mimic the essence of poured concrete, while the smooth matte finish adds a touch of refinement.

Made in the USA with imported material.

ML-007_CT-001-DA

LINCOLN WHITE NQ59

ASH GREY NQ69
Also stocked in Honed finish

CABRINI GREY NQ51

MERCER GREY NQ52

LUDLOW TAN NQ55

COLUMBUS BROWN NQ56

CONCRETE GREY NQ87

MONOCHROMATIC LOOK

Infuse your space with the raw beauty of a monochromatic look. Choose from a speckled look with flecks of character or subdued solids for a more contemporary space. From the purest white to the blackest black, the opportunities are endless.

Made in the USA with imported material.

CHIPPED ICE NQ91

MORNING FROST NQ30

WOVEN WOOL NQ09

SIMPLY WHITE NQ76
ONE Quartz Basics

SIMPLY GREY OQ30
ONE Quartz Basics

SIMPLY BEIGE OQ29
ONE Quartz Basics

ML-007_CT-001-DA

WHITE ICE NQ90

FRESH LINENS NQ66

EVENING GREY NQ43

BRUSHED FLANNEL NQ60

MESA DUNE NQ89

METEOR SHOWER NQ25

PRODUCT **INFORMATION**

PRODUCT INFORMATION

Finishes	Actual Size		Thickness
	DOMESTIC COLORS	IMPORTED COLORS	
Polished	135-7/8" x 78-3/4" (345 cm x 200 cm)	Please reach out to local stone center for size details on all sourced products. Slab sizes vary.	1-1/4" (3 cm) & 3/4" (2 cm)

Custom slab finishes in semi-polished, honed and leather are available by special order.

Not all colors available in alternative finishes. Please contact your local slab center for availability.

			RESISTANCE						
	PRICE	STYLE	CHIPS	HEAT	STAIN	SCRATCHES	SEALING REQUIRED	MAINTENANCE	PROS
ONE QUARTZ SURFACES®	$$$	•••	•••	•••	•••	•••	NO	NO	Highly stain resistant Excellent for undermount sinks Engineered, so has consistent look Tons of colors to choose from

••• EXCELLENT
•• GOOD
• FAIR

Fifteen Year Limited Warranty, visit daltile.com for complete warranty details.♦

♦Sourced SKUS

Twenty Five Year Commercial Limited Warranty, visit daltile.com for complete warranty details.

Lifetime Residential Limited Warranty, visit daltile.com for complete warranty details.*

*Made in the U.S.A. with imported material.

MADE IN THE USA WITH IMPORTED MATERIAL.

To See Approved Colors, Please Check The Below Link:
info.nsf.org/Certified/Food/Listings.asp?Company=C0536133&Standard=051

PRODUCT **INFORMATION**

INSTALLATION

Grout Joint Recommendation	Shade Variation
Tile : 1/16"	Medium (V2)

APPLICATIONS

	Target DCOF wet	Suitable
Dry & Level – Interior Floor	N/A	
Wet & Level – Interior Floor	≥ 0.42	
Shower Floors (Residential or Light Commercial)	≥ 0.42	
Exterior Floor Applications (including pool decking & other wet areas with minimal footwear)	≥ 0.60	
Ramps & Inclines	≥ 0.65	
Walls/Backsplashes	N/A	✓
Countertops	N/A	✓
Pool Linings	N/A	

ONE Quartz Surfaces do not meet minimum coefficient of friction thresholds recommended by safety standard-setting organizations. Water, oil, grease, etc., create slippery conditions. Floor applications with exposure to these conditions require extra caution in product selection.

Quartz not suitable for exterior applications due to small resin content. The sun will etch the material.

SLAB PERFORMANCE CHARACTERISTICS

	Test Method	Average Result*
Abrasion Wear Index	ASTM C501	≥ 135
Bulk Specific Gravity	ASTM C97	≤ 2500 kg / cubic meter
Chemical Resistance	ASTM C650	Resistant to typical household cleaners
Coefficient of Thermal Expansion	ASTM C531	≤ 4.0 • 10^{-5} °C^{-1}
Flexural Strength	ASTM C880	≥ 35 MPa
Water Absorption	ASTM C97	≤ 0.10%
Scratch Resistance (Mohs Hardness)	ASTM C1895	≥ 5
Stain Resistance	ANSI Z124.6	Pass
Thermal Shock Resistance	ASTM C484	Pass – No Effect

* Custom testing results by color are available upon request.

NOTES

ONE Quartz Surfaces products are nonporous, reducing the potential for bacteria growth, resist common food stains and are stronger than natural granite.

ONE Quartz Surfaces products are virtually maintenance free.

ONE Quartz Surfaces products contain natural quartz stone providing consistent color and visual movement. A wide range of color options allow for more design freedom.

ONE Quartz Surfaces products have a durable, scratch-resistant surface.

ONE Quartz Surfaces products are heat and scorch-resistant under normal cooking conditions (use of a trivet is recommended for longer or extreme heat exposure).

Visit daltile.com/countertops-product-category/one-quartz for additional polished, semi-polished, honed and leather finish details.

Twenty-Five year limited warranty. Visit daltile.com/countertops-product-category/one-quartz or details.

Fifteen-year limited warranty on imported materials.
Visit daltile.com/countertops-product-category/one-quartz for details.

White thin-set or mortar is recommended for the lighter colors of ONE Quartz Surfaces tiles.

WARNING: This product can expose you to chemicals known to the State of California to cause cancer, including crystalline Silica (airborne particles of respirable size) in dust created if the product is dry cut/ground/polished or pulverized during fabrication/installation/removal. For more information, go to www.P65Warnings.ca.gov.

For information refer to "Factors to Consider" at daltile.com/Factors.

DIMENSIONAL **STONE**

QUARTZ TAKES ON A WHOLE NEW DIMENSION

Our Dimensional team offers complete cut to size projects imported directly to the jobsite. Brought to you by the experts at Daltile®.

FORGET ONE-SIZE-FITS-ALL.

Or shape, for that matter. Our Dimensional program offers procurement, fabrication, and delivery for any project-all executed to your specifications.

Our team will help you identify exactly what you need to bring your vision to reality. Acting as a dedicated project manager, they'll walk you through every step, from inception to completion. Ask about our quantity survey, shop drawing and cutting ticket services!

LEAVE YOUR LIMITS BEHIND.

In addition to our standard product offering, we can also match most any color pallet. The experts at Daltile won't hesitate to make sure your project takes shape with complete coordination and precision.

STEP-BY-STEP

CUSTOM CUT TO YOUR SPECS. ON YOUR TERMS.

- We provide a digital take-off to identify the project scope, which includes materials, size, quantity, and edge treatment.
- You'll receive samples and pricing - we'll also provide support during the bid process to help determine the right material for the right location.
- Then you'll review CAD-generated shop tickets for confirmation that your goals are achieved.
- Now, your stone can be fabricated, delivered on time, within sequence, and ready to install.
- Each project is reviewed by an independent Daltile inspector. They ensure that color, size, calibration, and packaging meets your requirements prior to shipment.

LET US HANDLE ALL THE DETAILS

Contact your local Daltile Architectural Representative, Sales Representative or visit daltile.com to get started.

TECHNICAL **DATA**

QUALITY QUARTZ SURFACE

Test Items	Test Methods	Result
Absorption by Weight	ASTM C97/C97M-09	0.06%
Density	ASTM C97/C97M-09	148 lbs/ft^3
Abrasion Resistance	ASTM C241/C241M-13	47
Flexural Strength	ASTM C880/C880M-09	"dry" 34.9 Mpa "wet" 37.5 Mpa
Compressive Strength	ASTM C170/C170M-14	"dry" 192 Mpa "wet" 185 Mpa
Breaking Strength	ASTM C 648-09	5100 N
Thermal Expansion	ASTM C531-00(2012)	30.9 × 10^{-6}/°C
Chemical Resistance	ASTM C650-04(2009)	Not Affected
Abrasion Wear Index	ASTM C501-84(2009)	Wear Index: 136

TECHNICAL SPECIFICATION

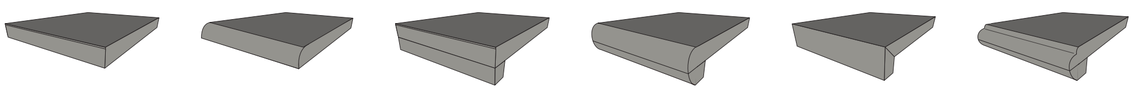
Quartz is one of nature's hardest minerals. Our surfaces are composed of 93% quartz, and are therefore designed to last.

In a unique Daltile process, we take the innate strength of quartz and combine it with numerous polymers and dashes of pigments. The result: A range of durable and beautiful quartz surfaces in a wide variety of colors and finishes.

100% Engineered Stone | **Non Porous** | **Easy to Clean** | **Low Maintenance** | **Shock Resistant** | **Stain Resistant** * | **Scratch Resistant** | **Everlasting Sheen** | **Modern Collection of Colors**

* Only West Village Series

EDGES FOR QUARTZ



EASED
Traditional Edge

DEMI BULLNOSE
Added Movement

LAMINATED
Economically Bold

BULLNOSE LAMINATED
Safe and Modern

MITERED
Seamless Depth

OGEE LAMINATED
Elegance in Curves

ONE **QUARTZ®** FAQ

QUARTZ IS A VERSATILE, DURABLE MATERIAL THAT'S AVAILABLE IN A WIDE RANGE OF COLORS AND STYLES. Also known as engineered stone, quartz is made from a combination of resin and natural quartz crystals. The natural crystals in quartz countertops make each surface unique, while resin gives the material its durability and resistance to everyday wear and tear. Because quartz is a man-made product, this material can be tinted and shaped in a wide variety of ways. Unique colors, edge treatments, inlays and other style accents add to the aesthetic appeal of this product.

In general, engineered stone is less expensive than naturally sourced materials after installation, sealing and maintenance are considered. The exceptional strength, durability and aesthetic appeal of quartz make this product a popular alternative to granite, a stone known for its lasting beauty. In addition, quartz is remarkably easy to maintain.

IS QUARTZ A SAFE COUNTERTOP MATERIAL?

Quartz, or engineered stone, is highly resistant to the routine wear and tear of daily life. Because quartz is made from a tough combination of natural crystals and resin, this product is very durable and long lasting. Quartz is a safe material for bathroom, kitchen or office countertops, but standard precautions must be taken to protect this man-made material from damage and prevent fading of your quartz countertop colors.

Although quartz countertops are resistant to scratches, dents, scuffs, burns and stains, these surfaces can be damaged when exposed to heat or to certain chemicals or tools. Gentle cleaning with a mild detergent and water is all that's required to maintain these surfaces. To keep your quartz countertops safe from damage, take care not to expose them to harsh chemicals, permanent dyes or inks, abrasive cleansers, direct heat or knives and other metal tools.

WHAT COLORS DO QUARTZ COUNTERTOPS COME IN?

Quartz countertops come in a broad spectrum of colors and patterns, from cool pastels to rich, dark tones. Quartz is a man-made material that combines the strength and durability of resin with distinctive of natural quartz crystals. This material can be tinted in a nearly unlimited range of shades to match any interior color scheme. Whether you're decorating a kitchen in warm earth tones or remodeling a bathroom with pink and white surfaces, you can find a shade that complements your decor and any living space.

QUARTZ COLORS AND TREATMENTS

Quartz is an extremely versatile material, which can be tinted, treated or shaped to accommodate almost any homeowner's tastes. When you're shopping for quartz countertops, choosing the perfect color may be challenging. With so many different shades to choose from, it can be difficult to make a decision with confidence. A knowledgeable provider should be able to help you with this stage of the process by giving you a comprehensive overview of your choices and making suggestions for shades that will complement your design.

When it comes to designing a quartz countertop, you aren't limited to traditional, squared edge treatments. There are a number of different edge treatments to choose from, with beveled or rounded styles. Inlays add a touch of elegance to a countertop surface by accenting the contours of the counter. These unique treatments take a countertop a step beyond the ordinary and give your kitchen or bathroom an extra touch of style.

CHOOSING COLORS FOR YOUR COUNTERTOPS

The color of your quartz countertops can make a big difference in the visual dimensions of your kitchen or bathroom. Light colors will create a sense of space, enlarging the room visually. If you have a small kitchen or bath, quartz countertops in white, cream, beige or gray may be preferable to darker, richer tones. In a larger kitchen or a game room, a dark gray, brown or dramatic black surface can add style and elegance to your interior.

The colors you select will affect a room's atmosphere and character. If you're decorating a professional office, a black or charcoal quartz countertop can give your decor a sense of dignity and stability. In a master bathroom, a rich gold or beige creates a look of luxury. The colors of quartz countertops may be variegated with flecks or swirls of various colors that give your countertops the natural appearance of stone.

Most manufacturers come out with new color series on a regular basis. Although the latest trends may be appealing, choose a color that will stand the test of time to get the most value.

QUARTZ IN KITCHENS AND BATHROOMS

Quartz is a non-porous material that does not require a sealant to protect the surface against dirt, moisture or germs. The polymers used to manufacture quartz make the surfaces extremely sturdy and durable. In the kitchen, quartz countertops are resistant to ordinary contact with metal, ceramic, glass or other materials commonly used in cookware. However, quartz countertops should not be scraped with metal tools. When you're cutting food, use a cutting board rather than cutting or slicing directly onto a quartz surface.

In the kitchen, protecting food from exposure to bacteria is a big concern. Quartz countertops are non-porous, meaning that these surfaces are continuous and smooth and do not have any tiny openings in the surface. Unlike wood and some forms of stone, quartz will not absorb water or other liquids. Bacteria have no place to grow on a quartz surface, as long as it's wiped clean after preparing food. Use a cutting board made of marble or another non porous material to avoid scratching your countertops.

Germs tend to collect in bathrooms as well as kitchens. The moisture and warmth that gather in the bathroom make it a breeding ground for bacteria, mold and mildew. A sink or vanity topped with quartz offers protection against bacterial growth as well as longevity and beauty. With regular cleaning, quartz countertops keep bathrooms sanitary by discouraging the growth of bacteria, mold and mildew. When cleaning quartz countertops, do not use bleach or other harsh or abrasive cleansers. Bleach may discolor or damage a quartz counter.

ONE **QUARTZ®** FAQ

FINAL CONSIDERATIONS

When you're shopping for quartz countertops, you'll soon find that you have many choices in style and color. Because quartz countertops are man-made, this material can be manufactured in nearly any color. You can choose from a wide range of countertop edge treatments, from traditional rounded or cornered styles to more dramatic looks.

The cost and performance of quartz countertops increases their appeal to homeowners who are looking for resilience and aesthetic value at a competitive price to other alternatives. As you search for quartz countertops, look for a reliable provider with a reputation for quality craftsmanship. Because the supplier you choose may also install the product, it's important to review the quality of the company's labor as well as the quality of its products before you make this important investment.

WHAT MAINTENANCE IS REQUIRED FOR QUARTZ COUNTERTOPS?

Low maintenance requirements make quartz countertops appealing to many homeowners. Quartz countertops are manufactured with a combination of hard quartz crystals and durable resin polymers that make them extremely resilient. In addition, the leading manufacturers provide a 10 to 15 year limited warranty that covers manufacturer's defects. Routine care and cleaning is very simple, and with basic precautions to prevent stains, dents or scratches, safe quartz countertops can lend beauty and a sense of permanence to a home for decades.

Manufacturer's warranties will not cover damages caused by the owner's use of the product unless damage is linked to an error made by the company. Your quartz countertops must be installed by a professional contractor in order to be covered by the warranty, in most cases. Follow the manufacturer's specific recommendations for maintaining your new countertops to get the maximum value from this investment.

ROUTINE CARE AND CLEANING

With the right care, quartz countertops can lend aesthetic appeal to your kitchen, bathroom or office for years. Quartz can be cleaned easily with a mild detergent, water and a soft cloth or paper towel. Abrasive cleansers or harsh scouring pads and cleansers that contain bleach should not be used with quartz. Engineered stone surfaces do not require polishing to keep them shiny and smooth, but they should be cleaned gently to maintain their distinctive shine.

A rounded plastic knife should be used to remove dried foods or liquids on a quartz surface. Dried paint or grease can be gently scraped away with a plastic knife. Avoid using metal knives and utensils directly on the countertop, as metal may scratch the quartz.

Grease from cooking is a concern in many kitchens. To remove grease from your quartz countertops, use a product recommended by your manufacturer. Harsh cleansers should not be used to remove grease or other cooking stains. Gently scrape away hardened grease with a plastic knife before applying cleanser.

PREVENTING STAINS AND SCRATCHES

While quartz countertops are resistant to scratches, scuffs, dents, stains and burns, these surfaces are not damage-proof. Homeowners must take care to avoid exposing quartz countertops to permanent inks, markers or dyes, as these substances may not be removable. If a countertop is marked by a permanent marker or dye, rinse the area with water as soon as possible, then apply a cleansing product approved by the manufacturer if the stain is still visible. Clean the area again with water after applying the cleanser.

Turpentine and other paint stripping products may damage or discolor a quartz surface. To be on the safe side, avoid exposing quartz to any strong chemicals or solvents unless your manufacturer recommends them for use in removing stubborn stains or hardened grease. If exposure to a potentially harmful chemical solvent occurs, clean the area with water immediately.

Quartz countertops can be damaged by direct exposure to heat. When cooking, use trivets or heating pads to guard the countertop surface against direct exposure to hot cookware or coffee pots. Although quartz is resistant to stains from juice, wine, coffee and other food substances, it is best to wipe up spills immediately to prevent possible stains. When chopping vegetables, slicing bread or preparing other foods with sharp utensils, use a cutting board to prevent scratches.

Very little maintenance is required for quartz countertops. This engineered product does not require sealants, and its non-porous surface makes it a durable, sanitary option for kitchens or bathrooms. To ensure that you get the most life from your countertops and that your warranty covers any unexpected damages, follow the manufacturer's instructions for care and quartz countertop maintenance.

PROTECTING QUARTZ SURFACES

Quartz countertops can stand up to a lot of wear and tear, but they shouldn't be exposed to excessive impact or harsh chemicals. In the kitchen, use hot pads or trivets on your countertops to prevent hot skillets or pots from making contact with quartz surfaces. In the bathroom, curling irons and other heated appliances shouldn't be left sitting on sinks or vanities.

Although quartz is non porous and resists stains, liquid spills should be wiped up promptly. Coffee, wine, vinegar, lemon juice and other liquids should not be allowed to sit on a quartz countertop for long periods of time. If permanent dye or ink is spilled on the counter, rinse the area promptly with water, then use a cleanser approved by the manufacturer for removing permanent stains. If you need to scrape dried food or paint or hardened grease off a quartz countertop, use a rounded plastic utensil, like a putty knife.

To get the maximum use from this investment, choose quartz countertops that are covered by a warranty. A manufacturer's warranty will replace or repair a countertop if it shows evidence of a manufacturer's defect. With a reliable warranty and proper care, quartz is a safe countertop material.

PHOTOGRAPHY INDEX

COVER PHOTO

Independence Calacatta on the countertop.

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West Village Series Astor Grey on the countertop & backsplash.

West Village Series Barclay Tan on the countertop.

PAGE 5-6 (LEFT TO RIGHT)

Noble Grey on the countertop.

Patriotic Calacatta on the countertop.

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Avenue White on the countertop.

Valor White on the counter and backsplash.

PAGE 17-18 (LEFT TO RIGHT)

Carrara Aura on the bottom counter block.

Broadway Black on the top counter block.

PAGES 21-22 (LEFT TO RIGHT)

White Ice on the countertop.

Chipped Ice on the countertop.

daltile®

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To view the complete collection of Daltile® products and information, visit our website at **daltile.com.**
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Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-007_CT-001-JG

Real Living Decor Package

Issue Date: Nov 23, 2022
Revision Date:

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	JG Edelen
Model	EHS-836
Dimensions	Refer to Design Guideline Drawings
Color	Goldfield
Finish	Polished Straight Edge
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Finish	Polished Straight Edge
Notes	Refer to drawings for edge profile Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

Label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

AREAS

Hub
On Us
Buffet

Real Living Decor Package

Issue Date: Nov 23, 2022
Revision Date:

ALTERNATE MANUFACTURER 2

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 3

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 4

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

Flex
Fitness Center
Employee Areas
Public Restrooms
Hydration Station

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-007_CT-001-MG

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Mgroup
Model	UltraCera
Dimensions	2cm
Color	Kachine Peak - 3007
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Notes	Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 2

Vendor Name: Belstone

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 3

Vendor Name: Designer Tile & Stone
Contact Name: Timi Mustapha
Phone: 301.325.1981
Email: timi@designertilestone.com

ALTERNATE MANUFACTURER 4

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

Public Restrooms
Elevator Lobby
Hydration Station

KACHINA PEAK- 30(

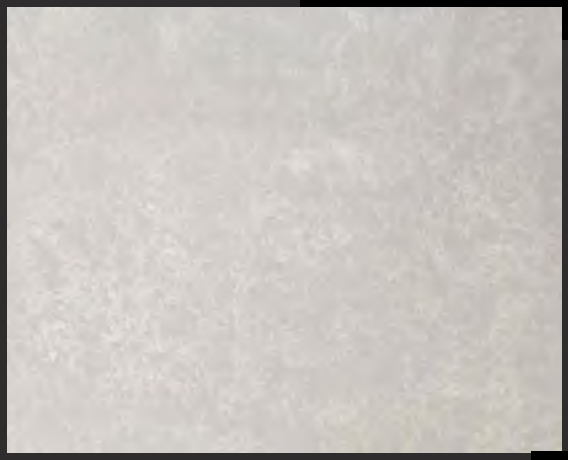
GROUP

ULTRACERA®
NextGeneration Composite Ecosurface

TECHNICAL SPECIFICATIOI

COMPRESSIVE STRENGTH (DRY): (ASTM C17(17) 256 Mp
DENSITY: (ASTM C9 18 2400) kg/m
WATER ABSORPTION: (ASTM C9 18) 0.03
THICKNESS: Standard 2cm or 3cm. Custom Availab
ABRASION RESISTANCE: (ASTM C241-15) 4
MOHS HARDNESS: (EN 15771) Averages
STAIN RESISTANCE: (ANSI Z124.6-07) Pa
CHEMICAL RESISTANCE: (ASTM C650) Not Affecte
FLEXURAL STRENGTH (DRY): (ASTM C88(14) 48.5Mp
THERMAL SHOCK RESISTANCE: (ASTM C484) No Defe
MODULUS OF RUPTURE: (ASTM C99) 3
FINISH: Polished Standard (level 6000 availabl
EDGE: Eased Standard—Fully Customizable Fabricatic
FIRE RATING: (ASTM E84) Class

KACHINA PEA



*SAMPLE IMAGE FOR REFERENCE ONL

APPLICATIO

Vanity Top
Kitchen Top
Window S
Desk Top
Dresser Top
Threshol
Wall Claddir

NOTI

Patent Pendir
0% Acrylic Solid Surfac
Non-Silica Based Produ
For More Information On What UltraCera® Is, And What It Is Not: Please Visit UltraCeraTops.co
Herein Are Subject To Change Without Notice Due To Constant Product And Engineering Improvement

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-007_CT-001-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Wilsonart International, Inc.
Model	Q4007
Dimensions	3/4" Thick
Color	Duomo
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Fire/Smoke Rating	ASTM E84 Class 1 (NFPA Class A) FS-25 or less.
Structural Performance	Mohs Hardness Scale: 6 to 6.5. Density: Not less than 2 g/cm3 when tested per ASTM C97.
Thermal Performance	Thermal shock: Pass 5 cycles, tested per ASTM C484.
Best Practices	UL Greenguard certified
Quality Standards	NSF/ANSI 51 Certified. Stain resistance: Passes ANSI Z124.6. Water absorption: Maximum 0.04 percent, tested per ASTM C97. Chemical resistance: Not Affected when tested per ASTM C650.
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	N
Thickness	3/4"
Finish	Polished
Warranty	One (1) year minimum warranty against defects in materials and workmanship. Commercial Lifetime warranty
Notes	Refer to drawings for edge profile. Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date: **Nov 23, 2022**

1981; timi@designertilestone.com;
www.designertilestone.com

SPECIAL INSTRUCTIONS

Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2'-0" apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

ALTERNATE MANUFACTURER 3

Vendor Name: Designer Tile & Stone
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ALTERNATE MANUFACTURER 4

Vendor Name: Belstone
Contact Name: Jared Holdridge
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Email: jared@belstoneproducts.com

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Public Restrooms
Elevator Lobby
Hydration Station

TECHNICAL DATA
Wilsonart® Quartz

Wilsonart
2501 Wilsonart Drive
P.O. Box 6110
Temple, TX 76503-6110

1. Distributor

Wilsonart LLC
2501 Wilsonart Drive
P.O. Box 6110
Temple, Texas 76503-6110
Toll-Free: 800-433-3222
Website: www.wilsonart.com

2. Product Descriptions

Product Composition

Wilsonart® Quartz is manufactured with up to 93 percent high quality natural quartz crystals, high quality polyester binders, and proprietary coloring agents that are homogeneous, with uniform color throughout their thickness.

Basic Limitations

Wilsonart® Quartz is designed for interior use only, ideal for residential and commercial applications. Wilsonart Quartz is a solid, non-porous, highly durable surface and resistant to scratching, staining, and water absorption and is virtually maintenance free.

Fabrication

Refer to the Wilsonart Quartz Fabrication Manual or contact a Wilsonart® Quartz Fabricator or Distributor for details.

Colors and Finishes

Wilsonart® Quartz has created a wide array of colors. Wilsonart Quartz is available in a polished finish.
Glossometer reading: >45

Sheet Dimensions:

	Wilsonart® Quartz Standard Size
Available Sizes	120” (306 cm) x 55” (140 cm), 120” (306 cm) x 63” (160 cm), 126” (320 cm) x 63” (160 cm), 130” (330 cm) x 65” (166 cm)
Thickness	Product Type 062 = 0.79" (2 cm) ± 0.060"(0.15 cm)
Thickness	Product Type 063 = 1.18" (3 cm) ± 0.060"(0.15 cm)
Approximate Weight	Product Type 062 = 10 lbs./ft^2 (2 cm)
Approximate Weight	Product Type 063 = 15 lbs./ft^2 (3 cm)

* Please consult Wilsonart® Quartz Design Library on www.wilsonart.com for available slab sizes by pattern

Physical Properties

Test Description	**Typical Results**	**Test**
Flexural Strength (psi)	>6,000	ASTM D 790
	31 - 75	EN14617-2
Thermal Expansion Coefficient	16 x 10^{-6} - 20.8 x 10^{-6*}	EN14617-11
Impact Resistance	3.4 – 7.35	EN14617-9
Stain Resistance	No Effect	EN14617-10
High Temperature Heat Resistance	No Effect to Slight Effect	ISO 4586
Chemical Resistance (acids and bases)	C4	EN14617-10
Abrasion Resistance	>100	ASTM C501
	23.6 – 27.5	EN14617-4

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Density (g/cm^3)	>2.1	ASTM C97
Compressive Strength (One Axis – Dry) (psi)	>20,000	ASTM C170
Moisture Absorption	<0.03	ASTM C97
	<0.03	EN14617-1
Freeze and Thaw Resistance	0.999	EN14617-5
Fire Behavior	Class 1/A Rating	ASTM E 84

**Test results vary slightly depending on pattern.*
The information contained in this section is based on technical data which Wilsonart LLC believes to be reliable, and is intended for use by persons having knowledge of this technical area at their own discretion.

Certifications
Wilsonart® Quartz is UL GREENGUARD Standard and Gold Standard Certified for low chemical emissions.
NSF 51 Food Zone and FDA food contact compliant.
Wilsonart Quartz is Kosher certified under the Kashruth Division of the Orthodox Union.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Quartz per ISO 4586-2 Method 31 (B)
No effect was exhibited except as noted (* or **) on the following:

1. Beckart Environmental (Stabilized Chlorine Dioxide Mixed with Water at 3000ppm)
2. Benefect® *
3. Claire® Germicidal Cleaner (Country Fresh Scent) **
4. Claire® Disinfectant Spray Q (Country Fresh Scent) **
5. Clean Republic – All Purpose Everyday Cleaner (Hypochlorous Acid – 0.003% Solution)
6. Clorox® Anywhere® Hard Surface Sanitizing Spray *
7. Clorox® Clean-Up (Cleaner & Bleach)
8. Clorox® Disinfecting Bleach w/6% Sodium Hypochlorite (24:1/Water:Bleach)
9. Clorox® Disinfecting Spray
10. Clorox® Disinfecting Wipes
11. Clorox Healthcare® Bleach Germicidal Cleaner *
12. Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant *
13. Clorox Healthcare® Fuzion® Cleaner Disinfectant *
14. Clorox Healthcare® VersaSure® Cleaner Disinfectant Wipes
15. Clorox® Total 360 Disinfectant Cleaner
16. Diversey™ Expose® II 256 *
17. Diversey™ Oxivir 1 *
18. Diversey™ Oxivir Tb Wipes *
19. Diversey™ Stride® Floral Neutral Cleaner
20. Diversey™ Virex® II 256 *
21. Fabuloso® Complete (Multi-Purpose Cleaner)
22. Lysol® Professional Disinfectant Spray
23. Microban® 24 Hour (Multi-Purpose Cleaner)
24. PDI Sani-Prime® Germicidal Spray
25. PDI Super Sani-Cloth® Germicidal Disposable Wipes
26. PURELL® Advanced Hand Sanitizer Gel *
27. Purell® Food Service Surface Sanitizer *
28. Purell® Professional Surface Disinfectant *
29. Purell® Healthcare Surface Disinfectant *
30. Simple Green® Concentrated (All-Purpose Cleaner)
31. Spic and Span® Everyday (Antibacterial Cleaner)

Test procedure: Listed materials were placed in contact with Wilsonart® Quartz surface under 1" (25.4mm) diameter watch cover glass for 16 hours duration prior to evaluation for effect. The branded cleaners and sanitizers listed above were cleaned with water only.

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* Causes slight change of gloss or color.
** Causes slight damage, with degree of damage proportionate to length of exposure and concentration.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Quartz per BIFMA HCF 8.1-2014 (Section 6 / Modified)
No effect was exhibited except as noted (* or **) on the following:

1. Beckart Environmental, Inc. (Stabilized Chlorine Dioxide Mixed with Water at 3000ppm)
2. Benefect®
3. Claire® Germicidal Cleaner (Country Fresh Scent)
4. Claire® Disinfectant Spray Q (Country Fresh Scent)
5. Clean Republic – All Purpose Everyday Cleaner (Hypochlorous Acid – 0.003% Solution)
6. Clorox® Anywhere® Hard Surface Sanitizing Spray
7. Clorox® Clean-Up (Cleaner & Bleach)
8. Clorox® Disinfecting Bleach w/6% Sodium Hypochlorite (24:1/Water:Bleach)
9. Clorox® Disinfecting Spray
10. Clorox® Disinfecting Wipes
11. Clorox Healthcare® Bleach Germicidal Cleaner
12. Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant *
13. Clorox Healthcare® Fuzion® Cleaner Disinfectant
14. Clorox Healthcare® VersaSure® Cleaner Disinfectant Wipes
15. Clorox® Total 360 Disinfectant Cleaner
16. Diversey™ Expose II 256
17. Diversey™ Oxivir 1 *
18. Diversey™ Stride® Floral Neutral Cleaner
19. Diversey™ Tb Wipes *
20. Diversey™ Virex II 256
21. Fabuloso® Complete (Multi-Purpose Cleaner)
22. Lysol® Professional Disinfectant Spray
23. Microban® 24 Hour (Multi-Purpose Cleaner)
24. PDI Sani-Prime® Germicidal Spray
25. PDI Super Sani-Cloth® Germicidal Disposable Wipes
26. PURELL® Advanced Hand Sanitizer Gel
27. Purell® Food Service Surface Sanitizer
28. Purell® Professional Surface Disinfectant
29. Purell® Healthcare Surface Disinfectant
30. Simple Green® Concentrated (All-Purpose Cleaner)
31. Spic and Span® Everyday (Antibacterial Cleaner)

Test procedure: Listed reagent materials were placed in contact with Wilsonart® Quartz surface with a one-inch square 100% cotton cloth completely saturated and covered with a 2” (50.8mm) diameter watch cover glass for 15 minute duration. The reagents listed above were removed with clean cloth and the area was then cleaned with clean cloth and distilled water only. The surface area was allowed to dry for 1-hour prior to evaluation for effect.
* Causes slight change of gloss or color.
** Causes slight damage, with degree of damage proportionate to length of exposure and concentration.

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3. Care and Maintenance

4. Warranty

5. **Customer Service**
   For samples, literature, questions, technical assistance, or warranty information, please contact our toll-free Hotline at (800) 433-3222, Monday through Friday, 8 am – 5 pm CST, or visit our website at www.wilsonart.com.

Quartz Tech Data
Revised: July 9, 2020
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Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-007_LA-001-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Plastic Laminate
Item Type	Type 107 General Purpose (HGS) Laminate
Description	General purpose laminate product
Manufacturer	Wilsonart
Model	#15504-31
Dimensions	0.045" Plus Minus 0.005" Thickness, Standard Sheet Widths 36", 48", 60" x Standard Sheet Lengths 96", 120", 144"
Color	Charcoal
Finish	31 Traceless
Material Composition	Melamine impregnated deccorative surface papers combined with fire retardant phenolic treated kraft paper
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI 3. A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Charcoal 15504-31
Warranty	1 Year
Notes	Recommended substrates for laminates are Particleboard, Medium Density Fiberboard (MDF) or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates. Refer to Design Guide Project Master, Section 12 32 16 for Casework and 12 36 23 for Countertops.

SPECIAL INSTRUCTIONS

All substrates should be sanded smooth, and should be clean and free of oil or grease, and uniform in thickness.

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

AREAS

Welcome Desk
On Us
Buffet

ALTERNATE MANUFACTURER 2	Flex Fitness Center Employee Areas Elevator Lobby Entrance Vestibule
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

TECHNICAL DATA
Wilsonart® Laminate
Basic Types 107, 335, 350

Wilsonart®
ENGINEERED SURFACES

2501 Wilsonart Dr
PO Box 6110
Temple, TX 76503-6110

1. Manufacturer

Wilsonart LLC
2501 Wilsonart Drive
P.O. Box 6110
Temple, Texas 76503-6110
Phone: (254) 207-7000; (800) 433-3222
Fax: (254) 207-2384
Web Site: www.wilsonart.com

2. Product Description

Recommended Uses

Wilsonart® Laminate, types 107, 335, and 350, is suitable for use on fine quality residential and contract furniture, fixtures and casework, and also for architectural application on columns, wainscoting, valances, cornices, interior doors and divider systems.

- **General Purpose (HGS) Type 107** is most frequently used for work surfaces on counters, islands, vanities, desks and tables. Typical vertical uses include surfacing for wall panels, teller cages and the front panels of workstations, such as those in hospitals, airports and restaurants. Type 107 is produced for both horizontal and vertical interior applications where the surface must be functional, durable and decorative.
- **Vertical Surface (VGP) Type 335** is the usual choice to surface cabinet walls, doors and drawer panels. It often appears on the vertical surfaces of desks, restaurants booths and maître d' stations, and as architectural cladding. Type 335 is intended for vertical applications where a functional, durable, decorative surface must absorb somewhat less impact than a comparable horizontal surface. VGP surfaces may be postformed to achieve radius edges.
- **Postforming (HGP) Type 350** adds the decorative capability of a soft edge to any typical laminate use. Common applications of post forming laminates are formed edges for counters, desktops, cabinet doors and drawer panels. Type 350 is intended for use on vertical and horizontal interior surfaces where it is necessary or desirable to roll the laminate on a simple radius over the edge of the substrate. This eliminates seams and leaves an attractive surface.

Product Composition

Decorative surface papers impregnated with melamine resins are pressed over Kraft paper core sheets impregnated with phenolic resin. These sheets are then bonded at pressures greater than 1000 pounds per square inch at temperatures approaching 300°F (149°C). Finished sheets are trimmed, and the backs are sanded to facilitate bonding.

Basic Limitations

Wilsonart Laminate is for interior use only and is not recommended for direct application to plaster, concrete walls, or gypsum wallboard. It is not structural material and must be bonded to a suitable substrate.

Do not subject Wilsonart Laminate to extremes in humidity, temperatures higher than 275°F (135°C) for substantial periods of time, or intense, continuous, direct sunlight.

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Patterns & Colors
Available in the full range of Wilsonart solid colors, stones, marbles, woodgrains, leathers and patterns. See all patterns and colors at www.wilsonart.com. Please see actual sample before specifying.

Finishes – Confirm finish availability on individual designs by going to www.wilsonart.com

- #01 High Gloss - Premium
  A mirror sheen finish, which gives a smooth, brilliant appearance. #01-High Gloss finish also features AEON™™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and can be used for horizontal applications such as countertops and light-to-medium commercial applications. Excellent for vertical applications and carries a premium upcharge.
  Nominal Glossometer Reading = 110
- #07 Textured Gloss - Premium
  A fine textured finish with a sheen level indicative of a waxed wood, polished stone, or other moderately reflective materials. #07 finish features AEON™™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 42
- #12 SoftGrain - Premium
  A dense wood grain structure that is low gloss and soft to the touch. Subtle highlights of reflectivity randomly occur within the embossed grains, creating a sophisticated raw wood look. #12 finish features AEON™™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 8
- #16 Casual Rustic - Premium
  A woodgrain texture with a blend of grain variations ranging from linear to subtle movement with random, irregular features. The overall low gloss surface is accented with higher sheen woodgrain ticking and random highlights. #16 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 6
- #18 Linearity - Premium
  A directional texture running the length of the sheet, having a narrow, random and matte-gloss linear quality. It is complementary to linear wood-grains, and linear patterns (such as the “Satin” series), and provides dimension and visual movement to solid colors. #18 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 18
- #19 Leno Weave – Premium
  Random intersecting horizontal and vertical lines create a geometric weave with a matte-gloss finish. Recommended for horizontal and vertical applications. #19 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 15
- #21 Soft Silk – Premium
  A smooth, ultra-matte finish with a silky, soft touch. This minimalist finish gives the surface a genuine stone feel. Recommended for horizontal and vertical applications. #21 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge,
  Nominal Glossometer Reading = 8
- #22 Antique - Premium
  A mixture of varying low gloss features combined with organic movement, indicative of the surface of an aged stone or an antique metal. Recommended for horizontal and vertical

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applications. Antique features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
Nominal Glossometer Reading = 9

- #28 Gloss Line - Premium
  A linear woodgrain texture with varied widths of narrow grain structures in an alternating mix of matte and gloss surfaces areas. Recommended for horizontal and vertical applications. Gloss Line features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 5
- #35 Mirage-Ultra Premium
  Subtle variations in matte and gloss finish connect to nature's own finishes: rough and weathered, smooth and polished. Wilsonart HD premium pricing. Recommended for horizontal and vertical applications.
  Nominal Gloss Reading = 50
- #38 Fine Velvet Texture
  A smooth textured finish with moderate reflective value.
  Nominal Glossometer Reading = 14
- #52 Quarry - Premium
  Premium finish emulating the "pitted" look of polished natural stone. Recommended for horizontal and vertical applications. #52 features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 55
- #55 Glaze-Ultra Premium
  A layering of matte features over a semi-gloss glaze, creates this timeworn effect. Wilsonart HD premium pricing. Recommended for horizontal and vertical application.
  Nominal Gloss Reading = 25
- #57 Aligned Oak – HD Premium
  Authentic realism is brought to the surfaces using synchronized texture as each elegantly aged oak design exhibits the natural dimension and feel or real world. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 7
- #60 Matte
  Textured finish with a moderate reflective quality. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 10
- #78 FineGrain - Premium
  The FineGrain premium finish features the polish and luxe of a real wood veneer, with a subtle, narrow grain structure that runs the length of the sheet. #78 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium.
  Nominal Glossometer Reading = 38

NOTE: Nominal Glossometer readings are made at a 60° angle of incidence.

Finish Availability: Not all finishes are available in all patterns and colors. Some finish options have limited size availability. Please check with your Wilsonart representative or consult the pattern availability lookup on our website at www.wilsonart.com, to verify size availability by finish type.

Standard Sheet Widths

36"	48"	60"
914mm	1219mm	1524mm

Standard Sheet Lengths

96"	120"	144"
2438mm	3048mm	3658mm

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NOTE: Not all sizes are available from stock; contact your Wilsonart representative for details on local availability. Minimums apply to non-standard designs and finishes in sizes other than 48"x96" and 60"x144". Please check with your Wilsonart representative.

Thickness and Weight

Description	107	335	350
Thickness	0.045" ± 0.005" (1.14mm ± 0.13mm)	0.028" + 0.001 - 0.004" (0.71mm + 0.03 - 0.10mm)	0.036" ± 0.005" (0.91mm ± 0.13mm)
Weight per square foot	0.322#	0.186#	0.260#

3. Technical Data

Physical Properties of General Purpose Laminates

ISO 4586 Test	Typical Wilsonart Type 107	ISO 4586-3 HGS
Thickness	**0.045" ± 0.005" (1.14mm ± 0.13mm)**	N/A
Appearance	**N/A**	N/A
Light Resistance	**Slight effect**	Slight Effect
Cleanability (cycles)	**10**	10
Stain Resistance Reagents 1-10 Reagents 11-15	 **No effect** **Slight effect**	 No effect Moderate effect
Boiling Water Resistance	**Slight Effect (Gloss)** **No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
High Temperature Resistance	**Slight effect**	Slight Effect (Gloss) No Effect (Other Finishes)
Impact Resistance	**65" (1651mm)**	31.5" (800mm)
Radiant Heat Resistance	**210 seconds**	≥ 200 sec.
Dimensional Stability Machine Direction Cross Direction	 **0.3%** **0.7%**	 1.1% (max.) 1.4% (max.)
Surface Wear Resistance (cycles)	**Meets or Exceeds 400**	350 (min.)
Formability	**Not applicable**	Not applicable
Blistering	**Not applicable**	Not applicable

Physical Properties of Vertical Surface Laminates

ISO 4586 Test	Typical Wilsonart Type 335	ISO 4586-3 VGP
Thickness	**0.028" + 0.001 - 0.004" (0.7mm + 0.03 - 0.10mm)**	N/A
Appearance	**N/A**	N/A
Light Resistance	**Slight effect**	Slight effect
Cleanability (cycles)	**10**	20 (max.)
Stain Resistance Reagents 1-10 Reagents 11-15	 **No effect** **Slight effect**	 No effect Moderate effect

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Boiling Water Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
High Temperature Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
Impact Resistance	**40" (1016mm)**	23.5" (600mm)
Radiant Heat Resistance	**200 seconds**	≥ 200 sec.
Dimensional Stability Machine Direction Cross Direction	**0.5% 0.8%**	1.1% (max.) 1.4% (max.)
Surface Wear Resistance (cycles)	**Meets or Exceeds 400**	350 (min.)
Formability	**5/16" radius (7.93mm)**	7/16" radius (11mm) 9/16" radius(14.7mm)
Blistering	**45 seconds**	≥ 40 seconds

*Radius for face is actually the radius of the form around which the laminate is postformed. The radius for back is actually the radius to which the decorative face is postformed.

Physical Properties of Postforming Laminate

ISO 4586 Test	**Typical Wilsonart Type 350**	**ISO 4586-3 HGP**
Thickness	**0.036" ± 0.005" (0.91mm ± 0.13mm)**	0.039" ± 0.005" (1mm ± 0.12mm)
Appearance	**N/A**	N/A
Light Resistance	**Slight effect**	Slight effect
Cleanability **(cycles)**	**10**	20
Stain Resistance Reagents 1-10 Reagents 11-15	**No effect Slight effect**	No effect Moderate effect
Boiling Water Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
High Temperature Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
Impact Resistance	**55" (1397mm)**	31.5" (800mm)
Radiant Heat Resistance	**205 seconds**	≥ 200 sec.
Dimensional Stability Machine Direction Cross Direction	**0.5% 0.8%**	1.1% (max.) 1.4% (max.)
Surface Wear Resistance (cycles)	**Meets or Exceeds 400**	350 (min.)
Formability*	***5/16" face (7.93mm) *3/8" back (9.52mm)**	*9/16" face (14.27mm) *3/4" back (19.05mm)
Blistering	**65 seconds**	≥ 40 seconds

*Radius for face is actually the radius of the form around which the laminate is postformed. The radius for back is actually the radius to which the decorative face is postformed.

Typical Fire Test Data

High-pressure laminates are subject to Flame Spread and Smoke Developed standards in structures where codes establish such conditions.

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Test data to determine compliance with these codes are obtained by the Steiner Tunnel Test method of the American Society for Testing Materials (ASTM-E-84, Standard Test Method for Surface Burning Characteristics of Building Materials). Tests were conducted in accordance with test method and mounting procedure as described in paragraph X1.7.2 of the test method. This procedure is cataloged by Underwriters Laboratories, Inc. as UL 723.
Here is typical data for Wilsonart laminates, averaged from two specific tests:

Typical Flame Spread and Smoke Developed Properties

Product Type	Test Condition	Flame Spread	Smoke Developed
General Purpose Type 107	Unbonded	50	45
Vertical Surface Type 335	Unbonded	45	40
Postforming Type 350	Unbonded	60	35
General Purpose Type 107	Bonded with contact adhesive to particleboard substrate; 3/8"	40	100
Vertical Surface Type 335	Bonded with contact adhesive to particleboard substrate; 3/8"	40	155
Postforming Type 350	Bonded with contact adhesive to particleboard substrate; 3/8"	50	140

When you wish to specify decorative laminate for a Class I or A fire rating, please refer to the Fire-Rated Laminate Tech Data.

Model Code Designations used to determine flame spread classification

Flame Spread Classification (Max. Rating)	International (IBC)	Life Safety (NFPA 101)
25	A	A
75	B	B
200	C	C

RE: Architectural Woodwork Quality Standard, 8th Edition, Version 1.0, - 2003

All Model Codes regulate the generation of smoke by interior finish material. In all cases they specify a maximum smoke development rating of 450.

Codes and Certifications

General Standards
Wilsonart Laminates, types 107, 335 and 350, conform to the voluntary standards of the American National Standards Institute, for thickness, performance properties and appearance. Wilsonart Laminates 107,335 and 350 meet or exceed the International Standards Organization specifications as found in ISO 4586, titled "High-Pressure Decorative Laminate (HPDL) – Sheets Based on Thermosetting Resins – Part I: specifications."

Specific Product Standards
U.S. Federal Specification L-P 508H, April 9, 1977, "Plastic Sheets, Laminated, Decorative and Non-decorative." Spells out criteria for decorative laminates for federal installations. Wilsonart 107, 335 and 350 laminates comply.

NSF International (NSF) #35 "Laminated Plastic for Surfacing for Food Service Equipment." All solid colors and printed patterns in Basic Types 107, 335 and 350, comply.

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U.S. Federal Register, August 9, 1984, Housing and Urban Development Mobile Home Construction and Safety Standard, (24CFR) 3280.203. General Purpose Type 107 and Vertical Surface Type 335 comply.

U.S. Federal Test Method, Federal Aviation Regulation, DOT, Part 25.853, Airworthiness Standards: Transport Category Airplane (Interior Finish). Vertical Surface Type 335 and Postforming Type 350 comply with parts A and C.

U.S. Federal Motor Vehicle Safety Standard (FMVSS) 302, "Flammability of Interior Materials." Basic Types 107, 335 and 350 comply.

U.S. Military Standard MIL-P-17171E (SHIPS)/Plastic Laminate. General Purpose Type 107 complies.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Laminate
No effect was exhibited except as noted (* or **) on the following:

1. Clorox Healthcare Bleach Germicidal Cleaner *
2. Clorox Healthcare Versa Sure Cleaner Disinfectant Wipes
3. Oxivir TB
4. Oxivir 1
5. Virex II 256
6. Benefect
7. PDI Super Sani-Cloth Germicidal Disposable Wipes
8. PDI Sani-Prime Germicidal Spray
9. Expose II 256
10. Stride Floral Neutral Cleaner *
11. PURELL Advanced Instant Hand Sanitizer *

Test procedure: Listed materials were placed in contact with Wilsonart® Laminate surface under 1" (25.4mm) diameter watch cover glass for 16 hours duration prior to evaluation for effect. The branded cleaners and sanitizers listed above were cleaned with water only.

* *Causes slight change of gloss or color.*
** *Causes slight damage, with degree of damage proportionate to length of exposure and concentration.*

4. <u>Installation: Fabrication and Assembly Recommendations</u>

Fabrication should follow approved methods. Assembled pieces should meet the specifications of KCMA (Kitchen Cabinetmakers Manufacturers Association), ANSI A-161.2-1998 (revised), and "Architectural Woodwork Quality Standards, Guide Specifications and Quality Certification Program" guidelines of the Architectural Woodwork Institute where applicable.

Wilsonart laminates must be bonded to a substrate of reliable quality, such as particleboard, medium density fiberboard or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates. Basic Types laminate may not be used as structural members.

Bond with adhesives and follow the techniques recommended by the adhesive manufacturer. Recommended adhesives are permanent types, such as urea and polyvinyl acetate (PVA), and contact types. Wilsonart adhesives are recommended for most bonding conditions.

To avoid stress cracking, do not use square-cut inside corners. All inside corners should have a minimum of 1/8" (3.175mm) radius and all edges should be routed smooth.

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Drill oversized holes for screws or bolts. Screws or bolts should be slightly countersunk into the face side of a laminate-clad substrate.
Take care to ensure an appropriate acclimation between the laminate and the substrate prior to fabrication. The face and backing laminates and the substrate should be conditioned in the same environment for 48 hours before fabrication.
Recommended conditioning temperature is about 75°F (24°C). Laminates should be conditioned at 45% to 55% relative humidity.

With postforming machinery, Wilsonart 335 and 350 will postform at a nominal sheet temperature range of 325°F to 338°F (163°C to 170°C) in 20 ± 5 seconds.

Carbide-tipped saw and router blades should be used for cutting. High tool speed and low feed speed are advisable. Cutting blades should be kept sharp. Use a hold-down to prevent any vibration.

5. **Warranty**

6. **Maintenance**

7. **Technical Services**

For samples, literature, questions or technical assistance, please contact our toll-free Hotline at (800) 433-3222, Monday through Friday, 8 am – 5 pm, CST.

Specification Form:

Surface shall be Wilsonart® Laminate, produced by Wilsonart LLC, Temple, Texas 76503-6110

Type: Specify 107, 335 or 350

Surface
Color Number: _____ Color Name: _____

Finish
Number: _____ Name: _____

Edge Trim
Color Number: _____ Color Name: _____

Adhesive
Name: _____ Grade/Type: _____
Brand: Wilsonart® Adhesive

Wilsonart® Laminate Technical Data
Basic Types 107, 335, 350
Revised: September 12, 2019
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Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-007_LA-002-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Plastic Laminate
Item Type	Type 107 General Purpose (HGS) Laminate
Description	General purpose laminate product
Manufacturer	Wilsonart
Model	#7850-12
Dimensions	0.045" Plus Minus 0.005" Thickness, Standard Sheet Widths 36", 48", 60" x Standard Sheet Lengths 96", 120", 144"
Color	Beigewood
Finish	SoftGrain
Material Composition	Melamine impregnated deccorative surface papers combined with fire retardant phenolic treated kraft paper
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023 - Interior Architectural Woodwork
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Beigewood 7850-12
Warranty	1 Year
Notes	Recommended substrates for laminates are Particleboard, Medium Density Fiberboard (MDF) or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates.

SPECIAL INSTRUCTIONS

1. Run grain direction vertically unless noted otherwise.
2. PVC Edgebanding:
a. Exposed Ends: Grade VGS plastic laminate or minimum 0.030-inch thick PVC edge banding. Color to match exposed faces.
b. Semi-exposed Ends; Grade VGS plastic laminate or minimum 0.030-inch thick PVC edge banding. Color to match exposed faces.
3. Melamine at all vertical surfaces/HPL at all horizontal surfaces
4. Elevator Interior Cab: Materials shall comply with NEMA LD-3
a. Fire-Retardant Treated Particleboard Panels : Minimum ½-inch thick backup for plastic laminate veneered panels, provided with suitable anti-warp backing; to meet ASTM E84 Class “A” rating with flame-spread rating of 25 or less.

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-007_LA-002-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk
In-A-Pinch
Connection Center
Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Public Restrooms
Elevator Lobby
Administration
Lobby
Breakfast

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-007_LA-004-NV

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Plastic Laminate
Item Type	Type 107 General Purpose (HGS) Laminate
Description	High Pressure Laminate (HPL)
Manufacturer	Nevamar
Model	S6001 T
Dimensions	0.048"/1.2mm Thickness, 36 W x 96 L, 36 W x 120 L, 36 W x 144L, 48 W x 98 L, 48 W x 120 L, 60 W x 96 L, 60 W x 120 L, 60 W x 144 L
Color	Black
Finish	Textured/ Armored Protection
Material Composition	Melamine impregnated decorative surface papers combined with fire retardant phenolic treated kraft paper
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023
Grade	NG48
Fire/Smoke Rating	ASTM E-84/UL723, 40 Flame Spread/Smoke Density 120 Unbonded, 95 Flame Spread/95 Smoke Density Bonded
Best Practices	Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI 3. A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Black S6001T
Warranty	1 Year Limited
Notes	Recommended substrates for laminates are Medium to High Density Fiberboard (MDF), Particleboard,or Metals. It should not be glued directly to plaster walls, gypsum wallboard, or concrete.

SPECIAL INSTRUCTIONS

All substrates should be sanded smooth, and should be clean and free of oil or grease, and uniform in thickness.

MANUFACTURER

Vendor Name: Nevamar
Contact Name: Alitia Cross
Phone: 276.698.6254
Email:

ALTERNATE MANUFACTURER 2

AREAS

Buffet

ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Technical Bulletin

High Pressure Laminate

Three standard grades of **Nevamar® High Pressure Laminate** are suitable for most applications:

General Purpose Type NG48 is most often used in horizontal applications where high impact resistance and a durable, decorative surface is required.

Postforming Type NF39 is designed for manufacturing countertops and other horizontal surfaces where the laminate may be heated and rolled over the substrate edge to eliminate seams.

Type NF28 is designed for applications where impact resistance is less critical. Type NF28 can also be postformed.

Product Description

High pressure laminate is manufactured in a flat press by combining decorative papers saturated in melamine resin with phenolic-impregnated kraft layers at pressures exceeding 1000 psi (6.9 MPa) and temperatures approaching 300˚F (150˚C). The panels are trimmed to size and the backs are sanded to facilitate bonding. The thickness of the laminate is determined by the number of kraft layers used. The laminating process combines the durability of melamine resins with the aesthetics of decorative papers creating a surfacing material that has been the standard for many years.

Most textured finish items are produced with Nevamar's exclusive **Armored Protection® Surface** and have all the properties of conventional laminate. But it also has superior abrasion and scuff resistance due to a very thin deposit of microscopic particles of aluminum oxide on the conventional melamine layer. Armored Protection® Surface has significantly better wear value than the NEMA standard for laminates. It also offers superior resistance to scuffing and retain a "brand new" appearance during most of their useful life. All other properties meet the normal NEMA test requirements.

Standard Nominal Sizes

Type		Thickness*	Width*	Length	Colors
NG48	(in.)	0.048	36,48,60	96,120,144	All solids, patterns & woodgrains
	(mm)	1.2	914,1219,1524	2438,3048,3658	
NF39	(in.)	0.039	36,48,60	96,120,144	All solids, patterns & woodgrains
	(mm)	1.0	914,1219,1524	2438,3048,3658	
NF28	(in.)	0.028	36,48,60	96,120,144	All solids, patterns & woodgrains
	(mm)	0.7	914,1219,1524	2438,3048,3658	

*Other widths and thicknesses available upon request.

Typical Uses

Nevamar® standard laminate is designed for either horizontal, vertical, or postforming applications. This laminate is seen on countertops, tables, vanities, interior doors, cabinets, contract furniture, and retail store fixtures.

Fabrication Tips

When working with Nevamar® HPL, these techniques will produce a quality application.

1. Proper conditioning of the laminate, substrate, and backing sheet minimizes possible warping, shrinking, or expansion of assembled panels. Ideally, all components should be conditioned at 70˚F to 75˚F (21˚C to 25˚C) and 45 to 50 percent relative humidity for 48-hours prior to assembly.
2. Always bond laminate to a suitable substrate such as medium to high density fiberboard, particleboard, or metals. It should not be glued directly to plaster walls, gypsum wallboard, or concrete.
3. Recommended adhesives include solvent or water-based contact cement, white glue (PVA), epoxy, and hot melt glue. Consult your adhesive supplier for specific application requirements.
4. The use of a backing sheet is recommended to minimize warpage. The thickness of the backing sheet should be relatively equal to the thickness of the decorative laminate on the face of the assembly.
5. All saw blades and router bits used for cutting should be carbide tipped. Feed rate should be slow and tool speed should be high.

6. All edges of laminate should be filed smooth with file direction towards substrate to help prevent stress cracks and to minimize chipping.
7. Inside corners of cutouts for electrical outlets, sinks, etc., should have a minimum radius of 1/8" (3 mm) and be filed smooth. This reduces the likelihood of stress cracks.
8. When fasteners are required, it is advisable to first drill an oversized hole through the laminate. This reduces the likelihood of stress cracks.
9. See the Nevamar® Postforming Technical Bulletin for postforming application tips.
10. All laminate is intended for interior use only, and should not be exposed to extreme humidity, continuous sunlight, or temperatures above 275˚F (135˚C) for extended periods of time.

Fire Test Data

High pressure decorative laminate is frequently used in installations governed by local fire codes. Burning characteristics of laminate are greatly influenced by the adhesive and substrate used. Listed below are typical flame spread index and smoke developed values for Nevamar® standard grade laminate. When specifying Class I or A rated laminate, refer to Nevamar® Fire Rated Technical Bulletin.

CAN/ULC-S102M
Laminated Plastic Surface Burning Characteristics

Sample Type	Flame Configuration	Spread Index	Smoke Developed Values
NG48	Bonded* to	40	120
NF39	Inorganic	40	65
NF28	Cement Board	35	35

*Bonded with N® Sodium Silicate Sealer and Wonderbond® WB-104A with M-172L. All work should be designed, assembled, and installed in compliance with pertinent local fire codes.

Technical Information
Physical Properties

		NEMA LD 3-2005 TEST Method	TYPICAL NEVAMAR® VALUES NG48	NEMA STD. HGS	TYPICAL NEVAMAR VALUES NF39	NEMA STD. HGP	TYPICAL NEVAMAR® VALUES F28	NEMA STD. VGP
Thickness	(in.)		0.048 ± 0.003	0.048 ± 0.005	0.039 ± 0.005	0.039 ± 0.005	0.028 ± 0.003	0.028 ± 0.004
	(mm)		1.2 ± 0.12	1.2 ± 0.12	1.0 ± 0.12	1.0 ± 0.12	0.7 ± 0.1	0.7 ± 0.1
Appearance		3.1	Complies		Complies		Complies	
Light Resistance		3.3	no effect	Slight effect	no effect	Slight effect	no effect	Slight effect
Cleanabililty		3.4	7-11	20 (max)	7-10	20 (max)	7-10	20 (max)
Stain 1-10			No effect	No effect	No effect	No effect	No effect	No effect
Stain 11-15			No effect	Moderate effect	No effect	Moderate effect	No effect	Moderate effect
Boiling Water Resistance		3.5	No effect	No effect	No effect	Slight effect	No effect	Slight effect
High Temperature Resistance		3.6	No effect	Slight effect	No effect	Slight effect	No effect	Slight effect
Ball Impact Resistance	(in.)	3.8	66	50 (min.)	48	30 (min.)	40	20 (min.)
	(mm)		1676	1250 (min.)		750 (min.)	1016	500 (min.)
Radiant Heat Resistance	(sec)	3.10	300	125 (min.)	275	100 (min.)	250	80 (min.)
Dimensional Change		3.11						
Machine Direction	(%)		0.35	0.50 (max.)	0.35	1.1 (max.)	0.35	1.1 (max.)
Cross Direction	(%)		0.75	0.90 (max.)	0.75	1.4 (max.)	0.75	1.4 (max.)
Room Temperature Dimensional Stability		3.12						
Machine Direction	(%)		0.30	0.5 (max.)	0.25	1.0 (max.)	0.30	1.0 (max.)
Cross Direction	(%)		0.50	0.8 (max.)	0.45	1.3 (max.)	0.60	1.3 (max.)
Wear Resistance	(cycles)	3.13	1000	400 (min.)	1000	400 (min.)	1000	400 (min.)
Formability	(in)	3.14	Not applicable	Not applicable	3/8	5/8 (min.)	1/4	1/2 (min.
	(mm)		Not applicable	Not applicable	10	16 (min.)	7	13 (min.)
Blister Resistance	(sec)	3.15	Not applicable	Not applicable	60	55 (min.)	52	40 (min.)

ASTM E-84/UL723
"Standard Test Method for Surface Burning Characteristics of Building Materials"

Type	Sample Configuration	Flame Spread Index	Smoke Developed Values
NG48	Unbonded	40	120
NF39		40	65
NF28		35	35
NG48	Bonded* to	55	85
NF39	Inorganic	55	105
NF28	Cement Board	35	40
NG48	Bonded* to 5/8"	95	95
NF39	Particleboard	235	140
NF28		160	160
NG48	Bonded* to 5/8"	160	110
NF39	Fire Rated	110	130
NF28	Particleboard	80	75

*Bonded with Pioneer P19NF contact cement. All work should be designed, assembled and installed in compliance with pertinent local fire codes.

Codes and Certifications

1. U.S. Federal Motor Vehicle Safety Standard #302 "Flammability of Interior Materials." Nevamar® Type G48, F39, and F28 comply.
2. NSF-International Standard 35, "Laminated Plastics for Surfacing Food Service Equipment." Nevamar® Type G48, F39, and F28 comply.
3. American National Standards Institute/National Electrical Manufacturers Association (ANSI/NEMA), LD3-1995, "High- Pressure Decorative Laminate." Nevamar® Type NG48, NF39, and NF28 comply.
4. MIL-P-17171E(SH), "High Pressure Decorative Laminate." Nevamar® NG48 complies with Type I.
5. U.S. Federal Specification L-P-508H, "Plastic Sheet, Laminated, Decorative and Nondecorative." Nevamar® Type NG48, NF39, and NF28 comply.
6. International Organization for Standardization, ISO-4586, "Decorative High Pressure Laminates (HPL)." Nevamar® Type NG48, NF39, and NF28 comply.

Care and Maintenance

Nevamar® decorative laminate provides a durable surface that is easy to maintain using ordinary care.

To maintain the laminate's lasting beauty, cleaning with a solution of warm water and liquid dishwashing detergent is all that should be required in most cases.

Stains may be removed with most non-abrasive household cleaners such as FORMULA 409®, GLASS PLUS® or WINDEX® with AMMONIA D®. Light scrubbing with a soft bristled brush may be necessary to remove stains from the depth of the structure on some textured surfaces.

If the stain persists, use a paste of baking soda and water and apply with a soft bristled brush. Light scrubbing for 10-20 strokes should remove most stains. Although baking soda is a low abrasive, excessive scrubbing or exerting too much force may damage the decorative surface, especially if it has a gloss finish.

Stubborn stains that resist any of the above cleaning methods may require the use of undiluted household bleach. Apply the bleach to the stain and let stand no longer than 1 1/2 minutes. Rinse thoroughly with warm water and wipe dry. This step may be repeated if the stain appears to be going away and the color of the laminate has not been affected. WARNING: Prolonged exposure of the laminate surface to bleach will cause discoloration.

Many commercially available products contain substances that may damage or discolor a laminate surface. ABRASIVE CLEANERS SHOULD NOT BE USED. Particular care should be used with any products labeled CAUTION or WARNING. Any questions or concerns should be referred to the product's manufacturer or call 1-877-726-6526. Do not allow harsh materials to remain in contact with the laminate surface. Examples of these are as follows:

- Toilet bowl cleaners
- Chlorine bleach
- Hydrogen Peroxide
- Coffee pot cleaners
- Oven cleaners
- Hard water stain removers
- Drain cleaners
- Fruit and berry juice
- Metal cleaners and polishes
- Tub and tile cleaners

Formula 409 is a registered trademark for The Clorox Company of Oakland, CA 94612; Glass Plus is a registered trademark for The Dow Chemical Company of Indianapolis, IN 46268-0511; Windex is a registered trademark for S.C. Johnson & Sons INC. of Racine, WI 53403-5011.

Limited Warranty

Subject to the limitations set forth below, Panolam Industries International Inc. (Panolam) expressly warrants that our products are reasonably free of defects in material and workmanship, and when properly handled and fabricated will conform, within accepted tolerances, to applicable manufacturing specifications as set forth in our technical brochure. This warranty shall extend to the original buyer for a period of twelve (12) months from the date of shipment of this product by Panolam, and shall not be assignable by the original buyer. This warranty does not cover damage resulting from accident, misuse, alteration, abuse or lack of reasonable care.

Due to the variety of uses and applications to which this product may be put, and because the manufacturer has no control over the end products fabricated, the warranty set forth above is exclusive and in lieu of all warranties, expressed or implied, in fact or by operation of law or otherwise, or arising by course of dealing or performance, custom or usage in the trade, including, without limitation, the implied warranties of fitness for a particular purpose and merchantability, and Panolam shall have no obligation or liability to any person or entity in connection with or arising from the furnishing, sale, installation or repair, use or subsequent sale of any product supplied by it.

Our maximum liability arising out of the sale of the products or their use, whether based upon warranty, contract, tort or otherwise, shall not exceed the actual payments received by us in connection therewith. In no event shall we be liable for special, incidental or consequential damages, including, but not limited to, arising hereunder or from the loss of profits, or loss of use damages, sales of the products.

Headquarters

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One Corporate Drive, Suite 725
Shelton, CT 06484
1-877-726-6526
www.panolam.com

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07/2018

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-007_LA-005-NV

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Plastic Laminate
Item Type	Type 107 General Purpose (HGS) Laminate
Description	High Pressure Laminate (HPL)
Manufacturer	Nevamar
Model	S3022 T
Dimensions	0.048"/1.2mm Thickness, 36 W x 96 L, 36 W x 120 L, 36 W x 144L, 48 W x 98 L, 48 W x 120 L, 60 W x 96 L, 60 W x 120 L, 60 W x 144 L
Color	Deep Blue
Finish	Textured/ Armored Protection
Material Composition	Melamine impregnated decorative surface papers combined with fire retardant phenolic treated kraft paper
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023
Grade	NG48
Fire/Smoke Rating	ASTM E-84/UL723, 40 Flame Spread/Smoke Density 120 Unbonded, 95 Flame Spread/95 Smoke Density Bonded
Best Practices	Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI 3. A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Deep Blue S3022T
Warranty	1 Year Limited
Notes	Recommended substrates for laminates are Medium to High Density Fiberboard (MDF), Particleboard,or Metals. It should not be glued directly to plaster walls, gypsum wallboard, or concrete.

SPECIAL INSTRUCTIONS

All substrates should be sanded smooth, and should be clean and free of oil or grease, and uniform in thickness.

MANUFACTURER

Vendor Name: Nevamar
Contact Name: Alitia Cross
Phone: 276.698.6254
Email:

ALTERNATE MANUFACTURER 2

AREAS

Buffet

ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Technical Bulletin

High Pressure Laminate

Three standard grades of **Nevamar® High Pressure Laminate** are suitable for most applications:

General Purpose Type NG48 is most often used in horizontal applications where high impact resistance and a durable, decorative surface is required.

Postforming Type NF39 is designed for manufacturing countertops and other horizontal surfaces where the laminate may be heated and rolled over the substrate edge to eliminate seams.

Type NF28 is designed for applications where impact resistance is less critical. Type NF28 can also be postformed.

Product Description

High pressure laminate is manufactured in a flat press by combining decorative papers saturated in melamine resin with phenolic-impregnated kraft layers at pressures exceeding 1000 psi (6.9 MPa) and temperatures approaching 300˚F (150˚C). The panels are trimmed to size and the backs are sanded to facilitate bonding. The thickness of the laminate is determined by the number of kraft layers used. The laminating process combines the durability of melamine resins with the aesthetics of decorative papers creating a surfacing material that has been the standard for many years.

Most textured finish items are produced with Nevamar's exclusive **Armored Protection® Surface** and have all the properties of conventional laminate. But it also has superior abrasion and scuff resistance due to a very thin deposit of microscopic particles of aluminum oxide on the conventional melamine layer. Armored Protection® Surface has significantly better wear value than the NEMA standard for laminates. It also offers superior resistance to scuffing and retain a "brand new" appearance during most of their useful life. All other properties meet the normal NEMA test requirements.

Standard Nominal Sizes

Type		Thickness*	Width*	Length	Colors
NG48	(in.)	0.048	36,48,60	96,120,144	All solids, patterns & woodgrains
	(mm)	1.2	914,1219,1524	2438,3048,3658	
NF39	(in.)	0.039	36,48,60	96,120,144	All solids, patterns & woodgrains
	(mm)	1.0	914,1219,1524	2438,3048,3658	
NF28	(in.)	0.028	36,48,60	96,120,144	All solids, patterns & woodgrains
	(mm)	0.7	914,1219,1524	2438,3048,3658	

*Other widths and thicknesses available upon request.

Typical Uses

Nevamar® standard laminate is designed for either horizontal, vertical, or postforming applications. This laminate is seen on countertops, tables, vanities, interior doors, cabinets, contract furniture, and retail store fixtures.

Fabrication Tips

When working with Nevamar® HPL, these techniques will produce a quality application.

1. Proper conditioning of the laminate, substrate, and backing sheet minimizes possible warping, shrinking, or expansion of assembled panels. Ideally, all components should be conditioned at 70˚F to 75˚F (21˚C to 25˚C) and 45 to 50 percent relative humidity for 48-hours prior to assembly.
2. Always bond laminate to a suitable substrate such as medium to high density fiberboard, particleboard, or metals. It should not be glued directly to plaster walls, gypsum wallboard, or concrete.
3. Recommended adhesives include solvent or water-based contact cement, white glue (PVA), epoxy, and hot melt glue. Consult your adhesive supplier for specific application requirements.
4. The use of a backing sheet is recommended to minimize warpage. The thickness of the backing sheet should be relatively equal to the thickness of the decorative laminate on the face of the assembly.
5. All saw blades and router bits used for cutting should be carbide tipped. Feed rate should be slow and tool speed should be high.

6. All edges of laminate should be filed smooth with file direction towards substrate to help prevent stress cracks and to minimize chipping.
7. Inside corners of cutouts for electrical outlets, sinks, etc., should have a minimum radius of 1/8" (3 mm) and be filed smooth. This reduces the likelihood of stress cracks.
8. When fasteners are required, it is advisable to first drill an oversized hole through the laminate. This reduces the likelihood of stress cracks.
9. See the Nevamar® Postforming Technical Bulletin for postforming application tips.
10. All laminate is intended for interior use only, and should not be exposed to extreme humidity, continuous sunlight, or temperatures above 275˚F (135˚C) for extended periods of time.

Fire Test Data

High pressure decorative laminate is frequently used in installations governed by local fire codes. Burning characteristics of laminate are greatly influenced by the adhesive and substrate used. Listed below are typical flame spread index and smoke developed values for Nevamar® standard grade laminate. When specifying Class I or A rated laminate, refer to Nevamar® Fire Rated Technical Bulletin.

CAN/ULC-S102M
Laminated Plastic Surface Burning Characteristics

Sample Type	Flame Configuration	Spread Index	Smoke Developed Values
NG48	Bonded* to	40	120
NF39	Inorganic	40	65
NF28	Cement Board	35	35

*Bonded with N® Sodium Silicate Sealer and Wonderbond® WB-104A with M-172L. All work should be designed, assembled, and installed in compliance with pertinent local fire codes.

Technical Information
Physical Properties

		NEMA LD 3-2005 TEST Method	TYPICAL NEVAMAR® VALUES NG48	NEMA STD. HGS	TYPICAL NEVAMAR VALUES NF39	NEMA STD. HGP	TYPICAL NEVAMAR® VALUES F28	NEMA STD. VGP
Thickness	(in.)		0.048 ± 0.003	0.048 ± 0.005	0.039 ± 0.005	0.039 ± 0.005	0.028 ± 0.003	0.028 ± 0.004
	(mm)		1.2 ± 0.12	1.2 ± 0.12	1.0 ± 0.12	1.0 ± 0.12	0.7 ± 0.1	0.7 ± 0.1
Appearance		3.1	Complies		Complies		Complies	
Light Resistance		3.3	no effect	Slight effect	no effect	Slight effect	no effect	Slight effect
Cleanabililty		3.4	7-11	20 (max)	7-10	20 (max)	7-10	20 (max)
Stain 1-10			No effect	No effect	No effect	No effect	No effect	No effect
Stain 11-15			No effect	Moderate effect	No effect	Moderate effect	No effect	Moderate effect
Boiling Water Resistance		3.5	No effect	No effect	No effect	Slight effect	No effect	Slight effect
High Temperature Resistance		3.6	No effect	Slight effect	No effect	Slight effect	No effect	Slight effect
Ball Impact Resistance	(in.)	3.8	66	50 (min.)	48	30 (min.)	40	20 (min.)
	(mm)		1676	1250 (min.)		750 (min.)	1016	500 (min.)
Radiant Heat Resistance	(sec)	3.10	300	125 (min.)	275	100 (min.)	250	80 (min.)
Dimensional Change		3.11						
Machine Direction	(%)		0.35	0.50 (max.)	0.35	1.1 (max.)	0.35	1.1 (max.)
Cross Direction	(%)		0.75	0.90 (max.)	0.75	1.4 (max.)	0.75	1.4 (max.)
Room Temperature Dimensional Stability		3.12						
Machine Direction	(%)		0.30	0.5 (max.)	0.25	1.0 (max.)	0.30	1.0 (max.)
Cross Direction	(%)		0.50	0.8 (max.)	0.45	1.3 (max.)	0.60	1.3 (max.)
Wear Resistance	(cycles)	3.13	1000	400 (min.)	1000	400 (min.)	1000	400 (min.)
Formability	(in)	3.14	Not applicable	Not applicable	3/8	5/8 (min.)	1/4	1/2 (min.
	(mm)		Not applicable	Not applicable	10	16 (min.)	7	13 (min.)
Blister Resistance	(sec)	3.15	Not applicable	Not applicable	60	55 (min.)	52	40 (min.)

ASTM E-84/UL723
"Standard Test Method for Surface Burning Characteristics of Building Materials"

Type	Sample Configuration	Flame Spread Index	Smoke Developed Values
NG48	Unbonded	40	120
NF39		40	65
NF28		35	35
NG48	Bonded* to	55	85
NF39	Inorganic	55	105
NF28	Cement Board	35	40
NG48	Bonded* to 5/8"	95	95
NF39	Particleboard	235	140
NF28		160	160
NG48	Bonded* to 5/8"	160	110
NF39	Fire Rated	110	130
NF28	Particleboard	80	75

*Bonded with Pioneer P19NF contact cement. All work should be designed, assembled and installed in compliance with pertinent local fire codes.

Codes and Certifications

1. U.S. Federal Motor Vehicle Safety Standard #302 "Flammability of Interior Materials." Nevamar® Type G48, F39, and F28 comply.
2. NSF-International Standard 35, "Laminated Plastics for Surfacing Food Service Equipment." Nevamar® Type G48, F39, and F28 comply.
3. American National Standards Institute/National Electrical Manufacturers Association (ANSI/NEMA), LD3-1995, "High- Pressure Decorative Laminate." Nevamar® Type NG48, NF39, and NF28 comply.
4. MIL-P-17171E(SH), "High Pressure Decorative Laminate." Nevamar® NG48 complies with Type I.
5. U.S. Federal Specification L-P-508H, "Plastic Sheet, Laminated, Decorative and Nondecorative." Nevamar® Type NG48, NF39, and NF28 comply.
6. International Organization for Standardization, ISO-4586, "Decorative High Pressure Laminates (HPL)." Nevamar® Type NG48, NF39, and NF28 comply.

Care and Maintenance

Nevamar® decorative laminate provides a durable surface that is easy to maintain using ordinary care.

To maintain the laminate's lasting beauty, cleaning with a solution of warm water and liquid dishwashing detergent is all that should be required in most cases.

Stains may be removed with most non-abrasive household cleaners such as FORMULA 409®, GLASS PLUS® or WINDEX® with AMMONIA D®. Light scrubbing with a soft bristled brush may be necessary to remove stains from the depth of the structure on some textured surfaces.

If the stain persists, use a paste of baking soda and water and apply with a soft bristled brush. Light scrubbing for 10-20 strokes should remove most stains. Although baking soda is a low abrasive, excessive scrubbing or exerting too much force may damage the decorative surface, especially if it has a gloss finish.

Stubborn stains that resist any of the above cleaning methods may require the use of undiluted household bleach. Apply the bleach to the stain and let stand no longer than 1 1/2 minutes. Rinse thoroughly with warm water and wipe dry. This step may be repeated if the stain appears to be going away and the color of the laminate has not been affected. WARNING: Prolonged exposure of the laminate surface to bleach will cause discoloration.

Many commercially available products contain substances that may damage or discolor a laminate surface. ABRASIVE CLEANERS SHOULD NOT BE USED. Particular care should be used with any products labeled CAUTION or WARNING. Any questions or concerns should be referred to the product's manufacturer or call 1-877-726-6526. Do not allow harsh materials to remain in contact with the laminate surface. Examples of these are as follows:

- Toilet bowl cleaners
- Chlorine bleach
- Hydrogen Peroxide
- Coffee pot cleaners
- Oven cleaners
- Hard water stain removers
- Drain cleaners
- Fruit and berry juice
- Metal cleaners and polishes
- Tub and tile cleaners

Formula 409 is a registered trademark for The Clorox Company of Oakland, CA 94612; Glass Plus is a registered trademark for The Dow Chemical Company of Indianapolis, IN 46268-0511; Windex is a registered trademark for S.C. Johnson & Sons INC. of Racine, WI 53403-5011.

Limited Warranty

Subject to the limitations set forth below, Panolam Industries International Inc. (Panolam) expressly warrants that our products are reasonably free of defects in material and workmanship, and when properly handled and fabricated will conform, within accepted tolerances, to applicable manufacturing specifications as set forth in our technical brochure. This warranty shall extend to the original buyer for a period of twelve (12) months from the date of shipment of this product by Panolam, and shall not be assignable by the original buyer. This warranty does not cover damage resulting from accident, misuse, alteration, abuse or lack of reasonable care.

Due to the variety of uses and applications to which this product may be put, and because the manufacturer has no control over the end products fabricated, the warranty set forth above is exclusive and in lieu of all warranties, expressed or implied, in fact or by operation of law or otherwise, or arising by course of dealing or performance, custom or usage in the trade, including, without limitation, the implied warranties of fitness for a particular purpose and merchantability, and Panolam shall have no obligation or liability to any person or entity in connection with or arising from the furnishing, sale, installation or repair, use or subsequent sale of any product supplied by it.

Our maximum liability arising out of the sale of the products or their use, whether based upon warranty, contract, tort or otherwise, shall not exceed the actual payments received by us in connection therewith. In no event shall we be liable for special, incidental or consequential damages, including, but not limited to, arising hereunder or from the loss of profits, or loss of use damages, sales of the products.

Headquarters

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Shelton, CT 06484
1-877-726-6526
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07/2018

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-007_LA-006-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Plastic Laminate
Item Type	Thermally Fused Laminate (TFL)
Description	Thermally Fused Melamine
Manufacturer	Wilsonart
Model	N/A
Dimensions	Standard panels are 49 and 61 inches. Standard panel lenth is 97 inches.
Color	Gray 1500-60
Finish	Matte
Material Composition	Laminate Composition: Melamine saturated decorative layers thermally fused to both core face surfaces with heat and pressure. Stain resistant surface with wear and scratch resistance.
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023 - Interior Architectural Woodwork
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Thermally Fused Laminate/1500-60 Gray
Warranty	1 Year
Notes	Panel Core Material: Composite panel product composed primarily of cellulosic materials and a bonding system, resulting in a durable and dimensionally stable substrate suitable for decorative laminate overlays. Panel core material can be particleboard or medium density fiberboard.

SPECIAL INSTRUCTIONS

All substrates should be sanded smooth, and should be clean and free of oil or grease, and uniform in thickness.

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

AREAS

Welcome Desk
Hub
On Us
Buffet
Flex

ALTERNATE MANUFACTURER 3	Fitness Center Employee Areas Elevator Lobby Administration Lobby
ALTERNATE MANUFACTURER 4	

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-007_MH-003-GR

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Concealed Hinges
Item Type	Hinges
Description	Concealed Hinges for Cabinet Doors
Manufacturer	Grass America
Model	Tiomos 110 Overlay, Half Overlay or Inset
Finish	Nickel Plated
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Screw/Nail	As recommended by Manufacturer
Finish	US15
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.
Notes	Use soft close hinges. https://tinyurl.com/2ubsjany

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Grass America
Contact Name:
Phone: 800.334.3512
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Elevator Lobby
Administration

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-007_MH-005-KV

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Shelf Supports Pins & Bussings
Item Type	Shelf Supports
Description	Shelf Supports (non-exposed 5mm)
Manufacturer	KV
Model	345
Dimensions	5/16"
Finish	Nickel Plated (NP)
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Screw/Nail	As recommended by Manufacturer
Finish	Nickel Plated (NP)
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: KV
Contact Name: Customer Service
Phone: 1(800)-253-1561
Email: customer.service@kv.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Connection Center
Hub
On Us
Buffet
Flex
Employee Areas
Elevator Lobby
Administration

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-007_MH-017-JG

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Cabinet Pulls
Item Type	Door & Drawer Edge Pull
Description	Edge Pull
Manufacturer	J.G. Edelen Company, Inc
Model	Liberty Hardware P31675-SN-C Modern Edge Collection
Dimensions	7"L x 1-5/8"W x 1"H
Finish	Satin Nickel
Material Composition	Zinc Die Cast, solid sheet aluminum construction
CSI #	12 32 16 - Manufactured Plastic Laminate Clad Casework
Omniclass #	22-12 32 16 - Manufactured Plastic Laminate Clad Casework
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk
Connection Center
Hub
Buffet
Flex
Elevator Lobby

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-007_TW-003-CT

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Wall Tile
Item Type	Wall Tile
Description	Porcelain Wall Tile
Manufacturer	Ceramic Technics
Model	Pavimenti Stone Prints
Dimensions	24" x 24" x 9.5mm
Color	Grey
Finish	Natural
Material Composition	Porcelain
CSI #	093000 - Tiling
Omniclass #	22-093000 - Tiling
Recommended Grout	Refer to Design Guideline Drawings for Grout mark number.
Finish	Natural
Product/Color	Pavimenti Stone Prints

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-007_TW-003-CT

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Ceramic Technics
Contact Name: Mary Beth Tallant
Phone: (770) 891-0684
Email: mtallant@ceramictechnics.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Buffet

PAVIMENTI STONE PRINTS

ML-007_TW-003-CT

ceramic technics ltd

GREY Natural 24"x24"

ML-007_TW-003-CT

BROWN Natural 24"x24"

ML-007_TW-003-CT

BEIGE Natural 24"x24"

PAVIMENTI STONE PRINTS

COLOR & SIZE AVAILABILITY *Thickness: 9.5mm - Finish: Natural*

GREY 24"x24" | **BROWN** 24"x24" | **BEIGE** 24"x24"

5 different patterns, mixed randomly.

technics ltd

TECHNICAL CHARACTERISTICS

Technical Features	Regulation	Required Standards					Values
GRES FINE PORCELLANATO EN 14411 ISO 13006 Gruppo BIa Annex G							
Dimensioni Sizes Dimensions Abmessungen Mesures Размер	UNI EN ISO 10545/2	Lunghezza e larghezza Length and width Longueur et largeur Länge und Breite Longe en breedte Длина и ширина ± 1.6 % max	Spessore Thickness Epaisseur Stärke Dikte Толщина ± 5% max	Rettilineità spigoli Linearity Rectitude des arêtes Kantengeradheit Rechtheid kanten Прямолинейность граней ± 1.5% max	Ortogonalità Wedging Orthogonalité Rechtwinkligkeit Haakscheid hoeken Ортогональность ± 1.6 % max	Planarità Warpage Planéité Ebenflächigkeit Vlakheid Плоскостность ± 1.5%	Conforme According Conforme Genauso Conform Соответствует
Assorbimento Acqua Water absorption Absorption d'eau Wasseraufnahme Waterabsorptie Водопоглощение	UNI EN ISO 10545/3	≤ 0,5%					0,2%
Resistenza alla flessione Flexual strenght Résistance à la flexion Biegefestigkeit Buigvastheid Прочность при изгибе	UNI EN ISO 10545/4	≥ 35 N/mm²					Conforme According Conforme Enspricht Conform Соответствует
Resistenza all'abrasione Abrasion resistance Résistance à l'abrasion Abriebbeständigkeit Weerstand tegen afschuring Стойкость к истираемость	UNI EN ISO 10545/7	PEI					Grey PEI V (>12000rev) Beige PEI IV (12000rev) Brown PEI V (>12000rev)
Resistenza agli shock termici Thermal shock resistance Résistance aux ecarts de temperature Temperaturwechselbeständigkeit Temperatuurschokbestendigheid Стойкость к перепадам температур	UNI EN ISO 10545/9	Nessun campione deve presentare difetti visibili No sample must show visible defects Aucun échantillon ne doit présenter des défauts visibles Kein Example darf sichtbare Schäden aufweisen Geen enkel monster mag zichtbare gebreken vertonen Не один образец не должен иметь видимых дефектов					Resistenti Resistant Résistants Widerstand Weerbaarheid Стойкий
Resistenza al gelo Frost resistance Résistance au gel Frostwiderstandsfähigkeit Vorstbestandheid Морозостойкость	UNI EN ISO 10545/12	Resistenti Resistant Résistants Widerstand Weerbaarheid Стойкий					Non gelivi Frost proof Non gélifs Frostsicher Vorstbestandig Морозостойкие
Resistenza all'attacco chimico* Chemical resistance Résistance à l'attaque chimique Beständigkeit gegen chemisches Altern Chemische bestandheid Стойкость к воздействию химических веществ	UNI EN ISO 10545/13	Resistenza all'attacco chimico* Chemical resistance Résistance à l'attaque chimique Beständigkeit gegen chemisches Altern Chemische bestandheid Стойкость к воздействию химических веществ					Resistenti Resistant Résistants Widerstand Weerbaarheid Стойкий
Resistenza alle macchie Stain resistance Insensibilité aux taches Widerstandsfähigkeit gegen fleckenbildende agnes Weerstand tegen vlekken Стойкость к образованию пятен	UNI EN ISO 10545/14	GL Smaltati e 3					Conforme According Conforme Enspricht Conform Соответствует
Indicazione di resistenza allo scivolamento Assessment of slip resistance Indication de la résistance au glissement Bestimmung der Trittsicherheit Indicatie voor de slipvastheid Указание сопротивления скольжению	DIN 51130	R					R9

D.C.O.F. - BOT3000 = 0.60 Wet *(Natural finish)*

PACKAGING

Pcs/Box	03
m²/Box	1.0800
Kg/Box	23.40

Box/Pallet	40
m²/Pallet	43.20
Kg/Pallet	936.00

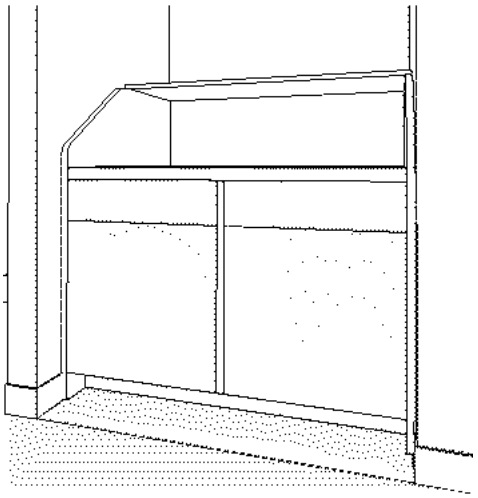
Busing Station_ML-008

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-008

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:



Item Name	Busing Station Millwork
Item Type	Public Millwork
Description	Plastic Laminate Clad Custom Millwork consisting of cabinets, and countertops.
Manufacturer	R.B. Woodcraft, J. Suss Industries, MGroup; MillRock Casework
Model	Not Applicable
Dimensions	Refer to Design Guideline Drawings
Color	Refer to Design Guideline Drawings and Building Product Manual
Finish	Refer to Design Guideline Drawings and Building Product Manual
Material Composition	Cabinet to Door Interface shall be Frameless, Flush (Full) Overlay. Grain direction to be horizontal on doors, drawer fronts, knee space panels, aprons & end panels.
CSI #	12 32 16 - Manufactured Plastic Laminate Clad Casework
Omniclass #	22-12 32 16 - Manufactured Plastic Laminate Clad Casework
Grade	Lumber shall be in accordance with the AWS Grade specified for the product being fabricated. Moisture content shall be 6% to 12% for boards up to 2-inches nominal thickness, and shall not exceed 19% for thicker pieces.
Classification	Particle Board: ANSI A208.1, Mat-Formed Particle Board, Grade 1-M-2, with minimum density of 45 pcf. Internal bond of 60 psi, and minimum screw holding capacity of 225 lb. on faces and 200 lb. on edges. Hardboard: ANSI A135.4, Class 1, tempered. E. MDF: ANSI A208.2, Grade 130.
Acoustical Performance	Door & Drawer bumpers to be placed on all cabinet doors and drawers.
Best Practices	Use products with no urea-formaldehyde resins. Use adhesives with Low VOC content.
Quality Standards	Architectural Woodwork Standards (AWS)
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	N
Design & Construction	See attached specifications. All listed millwork must be manufactured in accordance with the attached specifications.
Lighting	Not Applicable
Plastic Laminate	Refer to Specifications within Building Product Manual
Millwork Hardware	Refer to Specifications within Building Product

	Manual
Pattern/ Color	Refer to drawings for finishes. Review and approval of finish samples required prior to manufacturing.
Fabric Wrapped Panels	Not Applicable
Lead Time	TBD
Notes	1. Public Space Casework: Interior face of exposed cabinet units shall be Thermoset Decorative Overlay (melamine), to match door fronts as shown in the Design Guideline Drawings. a. Exposed & Semi-Exposed ends: Grade VGS plastic laminate or minimum 1mm thick PVC edge banding. Color to match exposed faces. b. Interior unexposed face of units that are likely to become wet should be constructed of polyester overlaid plywood cabinet liner materials: Cabinet Liner Industrial Panel by Olympic Panel Products, LLC or approved substitution. 2. Top and Bottom Rails; and Sub-toe Boards: Not less than 3/4-inch particleboard faced with Grade VGS plastic laminate to match door and drawer fronts. Machine ends for wood-dowel or mechanical dowel fasteners to receive top, bottom, and back. Base ends to extend to floor. Finish exposed ends to match doors and doors and drawer fronts. 3. Unexposed Ends: Not less than 3/4-inch tempered hardboard; finished with Thermoset Decorative Overlay (Melamine). Attach to front frame in same manner as exposed ends. 4. Back Panels: Not less than 1/4-inch tempered hardboard or MDF; finished with Thermoset Decorative Overlay (Melamine). 5. Doors 48 Inches or Less in Height: 3/4 inch thick, Particle Board cores. Front faces to be Grade VGS plastic laminate overlay, and back faces to be Thermoset Decorative Overlay (melamine). Provide stop silencers at the top and bottom of all hinged doors. 6. Shelving (within cabinetry): Not less than 3/4" particle board with Thermoset Decorative Overlay (melamine) to match cabinet interior, PVC edge banding; adjustable at least every 1-1/2 inch; clear plastic [seismic] shelf clip pressed into 5mm holes bored in cabinet side. Fabricate base shelf to half depth. Exposed Fixed Shelving Units: Front faces to be Grade VGS plastic laminate overlay. 7. Filler Strips: Provide as needed to close spaces between cabinets and walls, ceilings, and indicated equipment. Fabricate from same material and with same finish as cabinets. Oversize for field cutting to suit field conditions and assure continuous enclosure of open spaces. Provide raw (unfinished) cleats at blind corners and appliance openings as required to

support countertops, minimum 3/4-inch x 1-1/2 inch x 8 foot length, to be field cut and fit by the installer.
8. Base Cabinet Units:
a. Base Cabinet Top Frames: 3/4-inch solid wood with mortise and tenon or doweled connections, glued and pinned or screwed. Base Cabinet Stretchers: 3/4-by-4-1/2-inch plywood, Particle Board, or MDF strips or solid-wood boards at front and back of cabinet, glued and pinned or screwed.
b. Base Cabinet Stretchers may be provided as an option to base cabinet top frames.
c. Bottoms: Not less than 1/2-inch hardwood plywood faced with Thermoset Decorative Overlay (Melamine) to match door and drawer fronts, fully supported by and secured in rabbets in end panels, front frame, and back bottom rail.
d. Corner Blocks: Glued and fastened in each of four top corners to maintain cabinet squareness and rigidity.

SPECIAL INSTRUCTIONS

Architect / General Contractor to coordinate millwork with equipment sizes and requirements, to include trash/linen bins.

MANUFACTURER

Vendor Name: RB Woodcraft Inc
Contact Name: Drew Brooks
Phone: (315) 474-2429
Email: drewbrooks@rbwoodcraft.com

ALTERNATE MANUFACTURER 2

Vendor Name: J Suss Industry
Contact Name: Liane Alexander
Phone: (866) 769-5666
Email: liane@jsuss.com

ALTERNATE MANUFACTURER 3

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 4

Vendor Name: Millrock
Contact Name: Jared Jaudon
Phone: (540) 437-3458
Email: jjaudon@millrock.com

AREAS

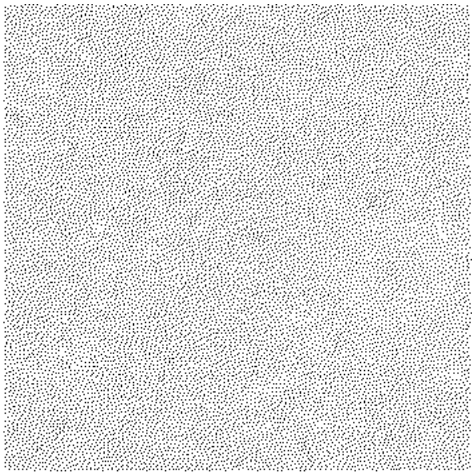
Buffet

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-008_CT-001-BS

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Belstone
Model	Dodi
Dimensions	Refer to Design Guideline Drawings
Color	Demitasse
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Notes	Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 2

Vendor Name: MGroup
Contact Name: Drew Murray

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Public Restrooms

Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 3

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

ALTERNATE MANUFACTURER 4

Vendor Name: Daltile
Contact Name: Morgan Stephenson
Phone: (214) 309-4531
Email: morgan.stephenson@daltile.com

Elevator Lobby
Hydration Station

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-008_CT-001-DA

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Daltile
Model	One-Quartz
Dimensions	Refer to Design Guideline Drawings
Color	QQ20-Aspen Gray
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Thickness	2cm Unless Otherwise Noted. Refer to Details Eased Edge.
Notes	Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

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MANUFACTURER

Vendor Name: Daltile
Contact Name: Morgan Stephenson
Phone: (214) 309-4531
Email: morgan.stephenson@daltile.com

AREAS

Hub
On Us
Buffet

ALTERNATE MANUFACTURER 2

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 3

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 4

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

Flex
Fitness Center
Employee Areas
Public Restrooms
Hydration Station
Lobby

ML-008_CT-001-DA

WALL | COUNTERTOPS

ONE QUARTZ SURFACES®

daltile®

ONE QUARTZ SURFACES®

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21	MONOCHROMATIC LOOK
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SLAB

USAGE

FLOOR

WALL

COUNTERTOP

SHOWER FLOOR

EXTERIOR FLOOR

SPECIAL FEATURES

STEPWISE

TRU-EDGE

MADE IN THE U.S.A.

LARGE FORMAT

MOSAIC/ DECO

ENCAUSTIC

TERRAZZO

PAVER

CUSTOMIZE

FLEXFIT™

Q

LOW HIGH

SEE CHARTS FOR FULL PRODUCT DETAILS

*MADE IN THE USA WITH IMPORTED MATERIAL.

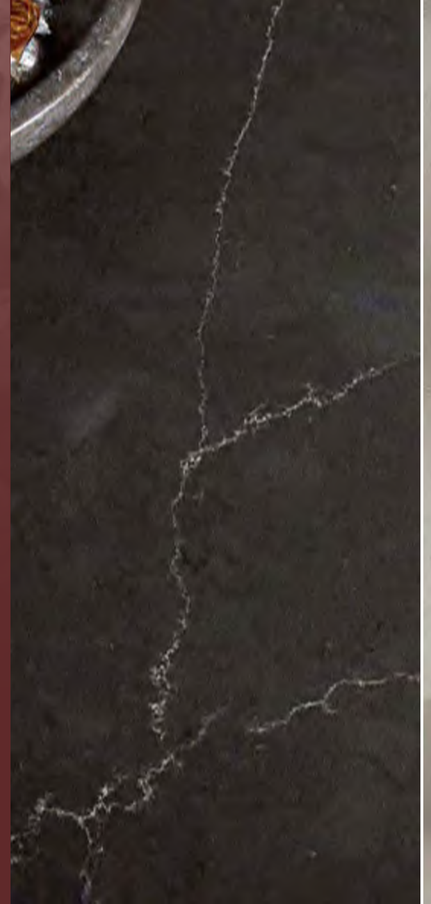
FROM NATURE CHIC – TO CITY SLEEK

With the ONE Quartz Surfaces® assortment, we've brought together the beauty of quartz and modern technology to create new and exciting possibilities. ONE Quartz Surfaces® gives you more design choices for your next project. The low maintenance and durability of ONE Quartz Surfaces® countertops make it perfect for any application, commercial or residential. Functional yet chic, that's what ONE Quartz Surfaces® is all about.

AVAILABLE IN:

Within these unique series, you'll have more selection than ever before.

- Marble Look
- Stone Look
- Concrete Look
- Monochromatic Look



ML-008_CT-001-DA

MARBLE LOOK

Dazzle in design with charming details which embody the luxury of the finest marble. Create drama with striking vein patterns, or infuse tranquility with subtle marbling. This look allows you to create elegant styles with outstanding durability.

Made in the USA with imported material.

ML-008_CT-001-DA

ML-008_CT-001-DA

RUSHMORE OQ41

FREEDOM CALACATTA OQ42

WASHINGTON OQ43

LIBERTY CALACATTA OQ44

LIBERTY GOLD OQ45

PATRIOCTIC CALACATTA OQ47

ML-008_CT-001-DA

INDEPENDENCE CALACATTA OQ48

STATUARY UNITY OQ53

STATUARY GLORY OQ52

WHITE STATUARY NQ12

CALACATTA NQ06

CARRARA VEIL OQ12

CARRARA AURA OQ09

BROADWAY BLACK OQ03
Also stocked in Leather finish

ML-008_CT-001-DA

STONE LOOK

Enjoy the opulent beauty of stone with the benefits of extraordinary endurance. From travertine and limestone visuals, the many color choices are versatile for any design. Increase the style in your space with a majestic stone look.

Made in the USA with imported material.

VALOR WHITE OQ55

CAPITOL BEIGE OQ57

NOBLE GREY OQ56

ARCHES OQ33

NIAGARA OQ32

ROCKY MOUNTAIN OQ34

GOLDEN GATE OQ37

JASMINE WHITE OQ27

ML_008_CT_001_DA

KODIAK OQ21

ASPEN GREY OQ20

WHITE SAND NQ97

ALMONDINE NQ36

EQUINOX OQ23

AVENUE WHITE OQ01
Also stocked in Leather finish

ALPINE WINTER OQ19

RIVERBANK NQ93

CONCRETE LOOK

Concrete features organic natural looks, bustling with city style and sophistication. Add an urban chic feel with looks that closely mimic the essence of poured concrete, while the smooth matte finish adds a touch of refinement.

Made in the USA with imported material.

ML-008_CT-001-DA

ML_008_CT_001_DA

LINCOLN WHITE NQ59

ASH GREY NQ69
Also stocked in Honed finish

CABRINI GREY NQ51

MERCER GREY NQ52

LUDLOW TAN NQ55

COLUMBUS BROWN NQ56

CONCRETE GREY NQ87

MONOCHROMATIC LOOK

Infuse your space with the raw beauty of a monochromatic look. Choose from a speckled look with flecks of character or subdued solids for a more contemporary space. From the purest white to the blackest black, the opportunities are endless.

Made in the USA with imported material.

CHIPPED ICE NQ91

MORNING FROST NQ30

WOVEN WOOL NQ09

SIMPLY WHITE NQ76
ONE Quartz Basics

SIMPLY GREY OQ30
ONE Quartz Basics

SIMPLY BEIGE OQ29
ONE Quartz Basics

ML-008_CT-001-DA

WHITE ICE NQ90

FRESH LINENS NQ66

EVENING GREY NQ43

BRUSHED FLANNEL NQ60

MESA DUNE NQ89

METEOR SHOWER NQ25

PRODUCT **INFORMATION**

PRODUCT INFORMATION

Finishes	Actual Size		Thickness
	DOMESTIC COLORS	IMPORTED COLORS	
Polished	135-7/8" x 78-3/4" (345 cm x 200 cm)	Please reach out to local stone center for size details on all sourced products. Slab sizes vary.	1-1/4" (3 cm) & 3/4" (2 cm)

Custom slab finishes in semi-polished, honed and leather are available by special order.
Not all colors available in alternative finishes. Please contact your local slab center for availability.

			RESISTANCE						
	PRICE	STYLE	CHIPS	HEAT	STAIN	SCRATCHES	SEALING REQUIRED	MAINTENANCE	PROS
ONE QUARTZ SURFACES®	$$$	•••	•••	•••	•••	•••	NO	NO	Highly stain resistant Excellent for undermount sinks Engineered, so has consistent look Tons of colors to choose from

••• EXCELLENT
•• GOOD
• FAIR

Fifteen Year Limited Warranty, visit daltile.com for complete warranty details.♦

♦Sourced SKUS

Twenty Five Year Commercial Limited Warranty, visit daltile.com for complete warranty details.

Lifetime Residential Limited Warranty, visit daltile.com for complete warranty details.*

*Made in the U.S.A. with imported material.

MADE IN THE USA WITH IMPORTED MATERIAL.

To See Approved Colors, Please Check The Below Link:
info.nsf.org/Certified/Food/Listings.asp?Company=C0536133&Standard=051

PRODUCT **INFORMATION**

INSTALLATION

Grout Joint Recommendation	Shade Variation
Tile : 1/16"	Medium (V2)

APPLICATIONS

	Target DCOF wet	Suitable
Dry & Level – Interior Floor	N/A	
Wet & Level – Interior Floor	≥ 0.42	
Shower Floors (Residential or Light Commercial)	≥ 0.42	
Exterior Floor Applications (including pool decking & other wet areas with minimal footwear)	≥ 0.60	
Ramps & Inclines	≥ 0.65	
Walls/Backsplashes	N/A	✓
Countertops	N/A	✓
Pool Linings	N/A	

ONE Quartz Surfaces do not meet minimum coefficient of friction thresholds recommended by safety standard-setting organizations. Water, oil, grease, etc., create slippery conditions. Floor applications with exposure to these conditions require extra caution in product selection.

Quartz not suitable for exterior applications due to small resin content. The sun will etch the material.

SLAB PERFORMANCE CHARACTERISTICS

	Test Method	Average Result*
Abrasion Wear Index	ASTM C501	≥ 135
Bulk Specific Gravity	ASTM C97	≤ 2500 kg / cubic meter
Chemical Resistance	ASTM C650	Resistant to typical household cleaners
Coefficient of Thermal Expansion	ASTM C531	≤ 4.0 • 10^{-5} °C^{-1}
Flexural Strength	ASTM C880	≥ 35 MPa
Water Absorption	ASTM C97	≤ 0.10%
Scratch Resistance (Mohs Hardness)	ASTM C1895	≥ 5
Stain Resistance	ANSI Z124.6	Pass
Thermal Shock Resistance	ASTM C484	Pass – No Effect

* Custom testing results by color are available upon request.

NOTES

ONE Quartz Surfaces products are nonporous, reducing the potential for bacteria growth, resist common food stains and are stronger than natural granite.

ONE Quartz Surfaces products are virtually maintenance free.

ONE Quartz Surfaces products contain natural quartz stone providing consistent color and visual movement. A wide range of color options allow for more design freedom.

ONE Quartz Surfaces products have a durable, scratch-resistant surface.

ONE Quartz Surfaces products are heat and scorch-resistant under normal cooking conditions (use of a trivet is recommended for longer or extreme heat exposure).

Visit daltile.com/countertops-product-category/one-quartz for additional polished, semi-polished, honed and leather finish details.

Twenty-Five year limited warranty. Visit daltile.com/countertops-product-category/one-quartz or details.

Fifteen-year limited warranty on imported materials.
Visit daltile.com/countertops-product-category/one-quartz for details.

White thin-set or mortar is recommended for the lighter colors of ONE Quartz Surfaces tiles.

WARNING: This product can expose you to chemicals known to the State of California to cause cancer, including crystalline Silica (airborne particles of respirable size) in dust created if the product is dry cut/ground/polished or pulverized during fabrication/installation/removal. For more information, go to www.P65Warnings.ca.gov.

For information refer to "Factors to Consider" at daltile.com/Factors.

DIMENSIONAL **STONE**

QUARTZ TAKES ON A WHOLE NEW DIMENSION

Our Dimensional team offers complete cut to size projects imported directly to the jobsite. Brought to you by the experts at Daltile®.

FORGET ONE-SIZE-FITS-ALL.

Or shape, for that matter. Our Dimensional program offers procurement, fabrication, and delivery for any project-all executed to your specifications.

Our team will help you identify exactly what you need to bring your vision to reality. Acting as a dedicated project manager, they'll walk you through every step, from inception to completion. Ask about our quantity survey, shop drawing and cutting ticket services!

LEAVE YOUR LIMITS BEHIND.

In addition to our standard product offering, we can also match most any color pallet. The experts at Daltile won't hesitate to make sure your project takes shape with complete coordination and precision.

STEP-BY-STEP

CUSTOM CUT TO YOUR SPECS. ON YOUR TERMS.

- We provide a digital take-off to identify the project scope, which includes materials, size, quantity, and edge treatment.
- You'll receive samples and pricing - we'll also provide support during the bid process to help determine the right material for the right location.
- Then you'll review CAD-generated shop tickets for confirmation that your goals are achieved.
- Now, your stone can be fabricated, delivered on time, within sequence, and ready to install.
- Each project is reviewed by an independent Daltile inspector. They ensure that color, size, calibration, and packaging meets your requirements prior to shipment.

LET US HANDLE ALL THE DETAILS

Contact your local Daltile Architectural Representative, Sales Representative or visit daltile.com to get started.

TECHNICAL **DATA**

QUALITY QUARTZ SURFACE

Test Items	Test Methods	Result
Absorption by Weight	ASTM C97/C97M-09	0.06%
Density	ASTM C97/C97M-09	148 lbs/ft^3
Abrasion Resistance	ASTM C241/C241M-13	47
Flexural Strength	ASTM C880/C880M-09	"dry" 34.9 Mpa "wet" 37.5 Mpa
Compressive Strength	ASTM C170/C170M-14	"dry" 192 Mpa "wet" 185 Mpa
Breaking Strength	ASTM C 648-09	5100 N
Thermal Expansion	ASTM C531-00(2012)	30.9 × 10^{-6}/°C
Chemical Resistance	ASTM C650-04(2009)	Not Affected
Abrasion Wear Index	ASTM C501-84(2009)	Wear Index: 136

TECHNICAL SPECIFICATION

Quartz is one of nature's hardest minerals. Our surfaces are composed of 93% quartz, and are therefore designed to last.

In a unique Daltile process, we take the innate strength of quartz and combine it with numerous polymers and dashes of pigments. The result: A range of durable and beautiful quartz surfaces in a wide variety of colors and finishes.

100% Engineered Stone

Non Porous

Easy to Clean

Low Maintenance

Shock Resistant

Stain Resistant *

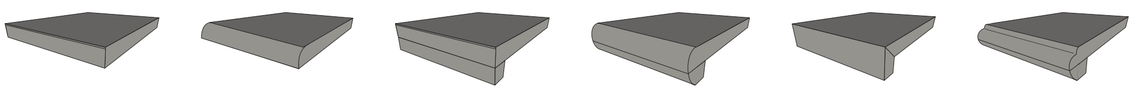
* Only West Village Series

Scratch Resistant

Everlasting Sheen

Modern Collection of Colors

EDGES FOR QUARTZ



EASED
Traditional Edge

DEMI BULLNOSE
Added Movement

LAMINATED
Economically Bold

BULLNOSE LAMINATED
Safe and Modern

MITERED
Seamless Depth

OGEE LAMINATED
Elegance in Curves

ONE **QUARTZ®** FAQ

QUARTZ IS A VERSATILE, DURABLE MATERIAL THAT'S AVAILABLE IN A WIDE RANGE OF COLORS AND STYLES. Also known as engineered stone, quartz is made from a combination of resin and natural quartz crystals. The natural crystals in quartz countertops make each surface unique, while resin gives the material its durability and resistance to everyday wear and tear. Because quartz is a man-made product, this material can be tinted and shaped in a wide variety of ways. Unique colors, edge treatments, inlays and other style accents add to the aesthetic appeal of this product.

In general, engineered stone is less expensive than naturally sourced materials after installation, sealing and maintenance are considered. The exceptional strength, durability and aesthetic appeal of quartz make this product a popular alternative to granite, a stone known for its lasting beauty. In addition, quartz is remarkably easy to maintain.

IS QUARTZ A SAFE COUNTERTOP MATERIAL?

Quartz, or engineered stone, is highly resistant to the routine wear and tear of daily life. Because quartz is made from a tough combination of natural crystals and resin, this product is very durable and long lasting. Quartz is a safe material for bathroom, kitchen or office countertops, but standard precautions must be taken to protect this man-made material from damage and prevent fading of your quartz countertop colors.

Although quartz countertops are resistant to scratches, dents, scuffs, burns and stains, these surfaces can be damaged when exposed to heat or to certain chemicals or tools. Gentle cleaning with a mild detergent and water is all that's required to maintain these surfaces. To keep your quartz countertops safe from damage, take care not to expose them to harsh chemicals, permanent dyes or inks, abrasive cleansers, direct heat or knives and other metal tools.

WHAT COLORS DO QUARTZ COUNTERTOPS COME IN?

Quartz countertops come in a broad spectrum of colors and patterns, from cool pastels to rich, dark tones. Quartz is a man-made material that combines the strength and durability of resin with distinctive of natural quartz crystals. This material can be tinted in a nearly unlimited range of shades to match any interior color scheme. Whether you're decorating a kitchen in warm earth tones or remodeling a bathroom with pink and white surfaces, you can find a shade that complements your decor and any living space.

QUARTZ COLORS AND TREATMENTS

Quartz is an extremely versatile material, which can be tinted, treated or shaped to accommodate almost any homeowner's tastes. When you're shopping for quartz countertops, choosing the perfect color may be challenging. With so many different shades to choose from, it can be difficult to make a decision with confidence. A knowledgeable provider should be able to help you with this stage of the process by giving you a comprehensive overview of your choices and making suggestions for shades that will complement your design.

When it comes to designing a quartz countertop, you aren't limited to traditional, squared edge treatments. There are a number of different edge treatments to choose from, with beveled or rounded styles. Inlays add a touch of elegance to a countertop surface by accenting the contours of the counter. These unique treatments take a countertop a step beyond the ordinary and give your kitchen or bathroom an extra touch of style.

CHOOSING COLORS FOR YOUR COUNTERTOPS

The color of your quartz countertops can make a big difference in the visual dimensions of your kitchen or bathroom. Light colors will create a sense of space, enlarging the room visually. If you have a small kitchen or bath, quartz countertops in white, cream, beige or gray may be preferable to darker, richer tones. In a larger kitchen or a game room, a dark gray, brown or dramatic black surface can add style and elegance to your interior.

The colors you select will affect a room's atmosphere and character. If you're decorating a professional office, a black or charcoal quartz countertop can give your decor a sense of dignity and stability. In a master bathroom, a rich gold or beige creates a look of luxury. The colors of quartz countertops may be variegated with flecks or swirls of various colors that give your countertops the natural appearance of stone.

Most manufacturers come out with new color series on a regular basis. Although the latest trends may be appealing, choose a color that will stand the test of time to get the most value.

QUARTZ IN KITCHENS AND BATHROOMS

Quartz is a non-porous material that does not require a sealant to protect the surface against dirt, moisture or germs. The polymers used to manufacture quartz make the surfaces extremely sturdy and durable. In the kitchen, quartz countertops are resistant to ordinary contact with metal, ceramic, glass or other materials commonly used in cookware. However, quartz countertops should not be scraped with metal tools. When you're cutting food, use a cutting board rather than cutting or slicing directly onto a quartz surface.

In the kitchen, protecting food from exposure to bacteria is a big concern. Quartz countertops are non-porous, meaning that these surfaces are continuous and smooth and do not have any tiny openings in the surface. Unlike wood and some forms of stone, quartz will not absorb water or other liquids. Bacteria have no place to grow on a quartz surface, as long as it's wiped clean after preparing food. Use a cutting board made of marble or another non porous material to avoid scratching your countertops.

Germs tend to collect in bathrooms as well as kitchens. The moisture and warmth that gather in the bathroom make it a breeding ground for bacteria, mold and mildew. A sink or vanity topped with quartz offers protection against bacterial growth as well as longevity and beauty. With regular cleaning, quartz countertops keep bathrooms sanitary by discouraging the growth of bacteria, mold and mildew. When cleaning quartz countertops, do not use bleach or other harsh or abrasive cleansers. Bleach may discolor or damage a quartz counter.

ONE **QUARTZ®** FAQ

FINAL CONSIDERATIONS

When you're shopping for quartz countertops, you'll soon find that you have many choices in style and color. Because quartz countertops are man-made, this material can be manufactured in nearly any color. You can choose from a wide range of countertop edge treatments, from traditional rounded or cornered styles to more dramatic looks.

The cost and performance of quartz countertops increases their appeal to homeowners who are looking for resilience and aesthetic value at a competitive price to other alternatives. As you search for quartz countertops, look for a reliable provider with a reputation for quality craftsmanship. Because the supplier you choose may also install the product, it's important to review the quality of the company's labor as well as the quality of its products before you make this important investment.

WHAT MAINTENANCE IS REQUIRED FOR QUARTZ COUNTERTOPS?

Low maintenance requirements make quartz countertops appealing to many homeowners. Quartz countertops are manufactured with a combination of hard quartz crystals and durable resin polymers that make them extremely resilient. In addition, the leading manufacturers provide a 10 to 15 year limited warranty that covers manufacturer's defects. Routine care and cleaning is very simple, and with basic precautions to prevent stains, dents or scratches, safe quartz countertops can lend beauty and a sense of permanence to a home for decades.

Manufacturer's warranties will not cover damages caused by the owner's use of the product unless damage is linked to an error made by the company. Your quartz countertops must be installed by a professional contractor in order to be covered by the warranty, in most cases. Follow the manufacturer's specific recommendations for maintaining your new countertops to get the maximum value from this investment.

ROUTINE CARE AND CLEANING

With the right care, quartz countertops can lend aesthetic appeal to your kitchen, bathroom or office for years. Quartz can be cleaned easily with a mild detergent, water and a soft cloth or paper towel. Abrasive cleansers or harsh scouring pads and cleansers that contain bleach should not be used with quartz. Engineered stone surfaces do not require polishing to keep them shiny and smooth, but they should be cleaned gently to maintain their distinctive shine.

A rounded plastic knife should be used to remove dried foods or liquids on a quartz surface. Dried paint or grease can be gently scraped away with a plastic knife. Avoid using metal knives and utensils directly on the countertop, as metal may scratch the quartz.

Grease from cooking is a concern in many kitchens. To remove grease from your quartz countertops, use a product recommended by your manufacturer. Harsh cleansers should not be used to remove grease or other cooking stains. Gently scrape away hardened grease with a plastic knife before applying cleanser.

PREVENTING STAINS AND SCRATCHES

While quartz countertops are resistant to scratches, scuffs, dents, stains and burns, these surfaces are not damage-proof. Homeowners must take care to avoid exposing quartz countertops to permanent inks, markers or dyes, as these substances may not be removable. If a countertop is marked by a permanent marker or dye, rinse the area with water as soon as possible, then apply a cleansing product approved by the manufacturer if the stain is still visible. Clean the area again with water after applying the cleanser.

Turpentine and other paint stripping products may damage or discolor a quartz surface. To be on the safe side, avoid exposing quartz to any strong chemicals or solvents unless your manufacturer recommends them for use in removing stubborn stains or hardened grease. If exposure to a potentially harmful chemical solvent occurs, clean the area with water immediately.

Quartz countertops can be damaged by direct exposure to heat. When cooking, use trivets or heating pads to guard the countertop surface against direct exposure to hot cookware or coffee pots. Although quartz is resistant to stains from juice, wine, coffee and other food substances, it is best to wipe up spills immediately to prevent possible stains. When chopping vegetables, slicing bread or preparing other foods with sharp utensils, use a cutting board to prevent scratches.

Very little maintenance is required for quartz countertops. This engineered product does not require sealants, and its non-porous surface makes it a durable, sanitary option for kitchens or bathrooms. To ensure that you get the most life from your countertops and that your warranty covers any unexpected damages, follow the manufacturer's instructions for care and quartz countertop maintenance.

PROTECTING QUARTZ SURFACES

Quartz countertops can stand up to a lot of wear and tear, but they shouldn't be exposed to excessive impact or harsh chemicals. In the kitchen, use hot pads or trivets on your countertops to prevent hot skillets or pots from making contact with quartz surfaces. In the bathroom, curling irons and other heated appliances shouldn't be left sitting on sinks or vanities.

Although quartz is non porous and resists stains, liquid spills should be wiped up promptly. Coffee, wine, vinegar, lemon juice and other liquids should not be allowed to sit on a quartz countertop for long periods of time. If permanent dye or ink is spilled on the counter, rinse the area promptly with water, then use a cleanser approved by the manufacturer for removing permanent stains. If you need to scrape dried food or paint or hardened grease off a quartz countertop, use a rounded plastic utensil, like a putty knife.

To get the maximum use from this investment, choose quartz countertops that are covered by a warranty. A manufacturer's warranty will replace or repair a countertop if it shows evidence of a manufacturer's defect. With a reliable warranty and proper care, quartz is a safe countertop material.

PHOTOGRAPHY INDEX

COVER PHOTO

Independence Calacatta on the countertop.

PAGES 3-4 (LEFT TO RIGHT)

West Village Series Broadway Black on the countertop.

West Village Series Astor Grey on the countertop & backsplash.

West Village Series Barclay Tan on the countertop.

PAGE 5-6 (LEFT TO RIGHT)

Noble Grey on the countertop.

Patriotic Calacatta on the countertop.

PAGE 11-12 (LEFT TO RIGHT)

Avenue White on the countertop.

Valor White on the counter and backsplash.

PAGE 17-18 (LEFT TO RIGHT)

Carrara Aura on the bottom counter block.

Broadway Black on the top counter block.

PAGES 21-22 (LEFT TO RIGHT)

White Ice on the countertop.

Chipped Ice on the countertop.

Daltile | 7834 C.F. Hawn Freeway | Dallas, Texas 75217 | 214.398.1411 | 800.933.TILE
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Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-008_CT-001-JG

Real Living Decor Package

Issue Date: Nov 23, 2022
Revision Date:

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	JG Edelen
Model	EHS-836
Dimensions	Refer to Design Guideline Drawings
Color	Goldfield
Finish	Polished Straight Edge
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Finish	Polished Straight Edge
Notes	Refer to drawings for edge profile Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

Label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

AREAS

Hub
On Us
Buffet

ALTERNATE MANUFACTURER 2

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 3

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 4

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

Flex
Fitness Center
Employee Areas
Public Restrooms
Hydration Station

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-008_CT-001-MG

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Mgroup
Model	UltraCera
Dimensions	2cm
Color	Kachine Peak - 3007
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Notes	Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 2

Vendor Name: Belstone

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas

Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 3

Vendor Name: Designer Tile & Stone
Contact Name: Timi Mustapha
Phone: 301.325.1981
Email: timi@designertilestone.com

ALTERNATE MANUFACTURER 4

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

Public Restrooms
Elevator Lobby
Hydration Station

KACHINA PEAK- 30(

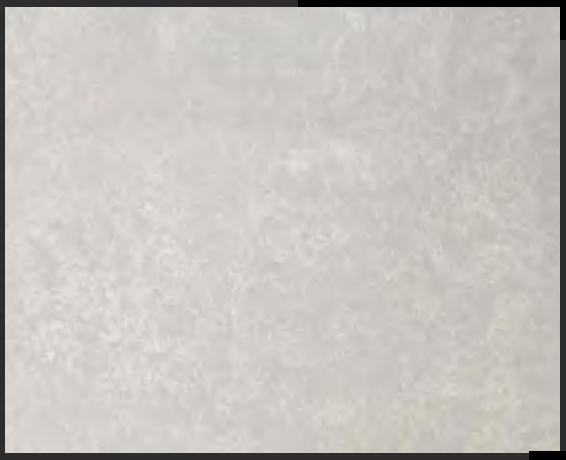
GROUP

ULTRACERA®
NextGeneration Composite Ecosurface

TECHNICAL SPECIFICATIOI

COMPRESSIVE STRENGTH (DRY): (ASTM C17(17) 256 Mp
DENSITY: (ASTM C9 18 2400) kg/m
WATER ABSORPTION: (ASTM C9 18) 0.03
THICKNESS: Standard 2cm or 3cm. Custom Availab
ABRASION RESISTANCE: (ASTM C241-15) 4
MOHS HARDNESS: (EN 15771) Averages
STAIN RESISTANCE: (ANSI Z124.6-07) Pa
CHEMICAL RESISTANCE: (ASTM C650) Not Affecte
FLEXURAL STRENGTH (DRY): (ASTM C88(14) 48.5Mp
THERMAL SHOCK RESISTANCE: (ASTM C484) No Defe
MODULUS OF RUPTURE: (ASTM C99) 3
FINISH: Polished Standard (level 6000 availabl
EDGE: Eased Standard—Fully Customizable Fabricatic
FIRE RATING: (ASTM E84) Class

KACHINA PEA



*SAMPLE IMAGE FOR REFERENCE ONL

APPLICATIO

Vanity Top
Kitchen Top
Window S
Desk Top
Dresser Top
Threshol
Wall Claddir

NOTI

Patent Pendir
0% Acrylic Solid Surfac
Non-Silica Based Produ
For More Information On What UltraCera® Is, And What It Is Not: Please Visit UltraCeraTops.co
Herein Are Subject To Change Without Notice Due To Constant Product And Engineering Improvement

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-008_CT-001-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Wilsonart International, Inc.
Model	Q4007
Dimensions	3/4" Thick
Color	Duomo
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Fire/Smoke Rating	ASTM E84 Class 1 (NFPA Class A) FS-25 or less.
Structural Performance	Mohs Hardness Scale: 6 to 6.5. Density: Not less than 2 g/cm3 when tested per ASTM C97.
Thermal Performance	Thermal shock: Pass 5 cycles, tested per ASTM C484.
Best Practices	UL Greenguard certified
Quality Standards	NSF/ANSI 51 Certified. Stain resistance: Passes ANSI Z124.6. Water absorption: Maximum 0.04 percent, tested per ASTM C97. Chemical resistance: Not Affected when tested per ASTM C650.
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	N
Thickness	3/4"
Finish	Polished
Warranty	One (1) year minimum warranty against defects in materials and workmanship. Commercial Lifetime warranty
Notes	Refer to drawings for edge profile. Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date: **Nov 23, 2022**

1981; timi@designertilestone.com;
www.designertilestone.com

SPECIAL INSTRUCTIONS

Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2'-0" apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
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Email: ksmith@jgedelen.com

ALTERNATE MANUFACTURER 3

Vendor Name: Designer Tile & Stone
Contact Name: Timi Mustapha
Phone: 301.325.1981
Email: timi@designertilestone.com

ALTERNATE MANUFACTURER 4

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

AREAS

Hub
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Fitness Center
Employee Areas
Public Restrooms
Elevator Lobby
Hydration Station

TECHNICAL DATA
Wilsonart® Quartz

Wilsonart
2501 Wilsonart Drive
P.O. Box 6110
Temple, TX 76503-6110

1. Distributor

Wilsonart LLC
2501 Wilsonart Drive
P.O. Box 6110
Temple, Texas 76503-6110
Toll-Free: 800-433-3222
Website: www.wilsonart.com

2. Product Descriptions

Product Composition

Wilsonart® Quartz is manufactured with up to 93 percent high quality natural quartz crystals, high quality polyester binders, and proprietary coloring agents that are homogeneous, with uniform color throughout their thickness.

Basic Limitations

Wilsonart® Quartz is designed for interior use only, ideal for residential and commercial applications. Wilsonart Quartz is a solid, non-porous, highly durable surface and resistant to scratching, staining, and water absorption and is virtually maintenance free.

Fabrication

Refer to the Wilsonart Quartz Fabrication Manual or contact a Wilsonart® Quartz Fabricator or Distributor for details.

Colors and Finishes

Wilsonart® Quartz has created a wide array of colors. Wilsonart Quartz is available in a polished finish.
Glossometer reading: >45

Sheet Dimensions:

	Wilsonart® Quartz Standard Size
Available Sizes	120” (306 cm) x 55” (140 cm), 120” (306 cm) x 63” (160 cm), 126” (320 cm) x 63” (160 cm), 130” (330 cm) x 65” (166 cm)
Thickness	Product Type 062 = 0.79" (2 cm) ± 0.060"(0.15 cm)
Thickness	Product Type 063 = 1.18" (3 cm) ± 0.060"(0.15 cm)
Approximate Weight	Product Type 062 = 10 lbs./ft^2 (2 cm)
Approximate Weight	Product Type 063 = 15 lbs./ft^2 (3 cm)

* Please consult Wilsonart® Quartz Design Library on www.wilsonart.com for available slab sizes by pattern

Physical Properties

Test Description	**Typical Results**	**Test**
Flexural Strength (psi)	>6,000	ASTM D 790
	31 - 75	EN14617-2
Thermal Expansion Coefficient	16 x 10^{-6} - 20.8 x 10^{-6*}	EN14617-11
Impact Resistance	3.4 – 7.35	EN14617-9
Stain Resistance	No Effect	EN14617-10
High Temperature Heat Resistance	No Effect to Slight Effect	ISO 4586
Chemical Resistance (acids and bases)	C4	EN14617-10
Abrasion Resistance	>100	ASTM C501
	23.6 – 27.5	EN14617-4

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Density (g/cm^3)	>2.1	ASTM C97
Compressive Strength (One Axis – Dry) (psi)	>20,000	ASTM C170
Moisture Absorption	<0.03	ASTM C97
	<0.03	EN14617-1
Freeze and Thaw Resistance	0.999	EN14617-5
Fire Behavior	Class 1/A Rating	ASTM E 84

**Test results vary slightly depending on pattern.*
The information contained in this section is based on technical data which Wilsonart LLC believes to be reliable, and is intended for use by persons having knowledge of this technical area at their own discretion.

Certifications
Wilsonart® Quartz is UL GREENGUARD Standard and Gold Standard Certified for low chemical emissions.
NSF 51 Food Zone and FDA food contact compliant.
Wilsonart Quartz is Kosher certified under the Kashruth Division of the Orthodox Union.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Quartz per ISO 4586-2 Method 31 (B)
No effect was exhibited except as noted (* or **) on the following:

1. Beckart Environmental (Stabilized Chlorine Dioxide Mixed with Water at 3000ppm)
2. Benefect® *
3. Claire® Germicidal Cleaner (Country Fresh Scent) **
4. Claire® Disinfectant Spray Q (Country Fresh Scent) **
5. Clean Republic – All Purpose Everyday Cleaner (Hypochlorous Acid – 0.003% Solution)
6. Clorox® Anywhere® Hard Surface Sanitizing Spray *
7. Clorox® Clean-Up (Cleaner & Bleach)
8. Clorox® Disinfecting Bleach w/6% Sodium Hypochlorite (24:1/Water:Bleach)
9. Clorox® Disinfecting Spray
10. Clorox® Disinfecting Wipes
11. Clorox Healthcare® Bleach Germicidal Cleaner *
12. Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant *
13. Clorox Healthcare® Fuzion® Cleaner Disinfectant *
14. Clorox Healthcare® VersaSure® Cleaner Disinfectant Wipes
15. Clorox® Total 360 Disinfectant Cleaner
16. Diversey™ Expose® II 256 *
17. Diversey™ Oxivir 1 *
18. Diversey™ Oxivir Tb Wipes *
19. Diversey™ Stride® Floral Neutral Cleaner
20. Diversey™ Virex® II 256 *
21. Fabuloso® Complete (Multi-Purpose Cleaner)
22. Lysol® Professional Disinfectant Spray
23. Microban® 24 Hour (Multi-Purpose Cleaner)
24. PDI Sani-Prime® Germicidal Spray
25. PDI Super Sani-Cloth® Germicidal Disposable Wipes
26. PURELL® Advanced Hand Sanitizer Gel *
27. Purell® Food Service Surface Sanitizer *
28. Purell® Professional Surface Disinfectant *
29. Purell® Healthcare Surface Disinfectant *
30. Simple Green® Concentrated (All-Purpose Cleaner)
31. Spic and Span® Everyday (Antibacterial Cleaner)

Test procedure: Listed materials were placed in contact with Wilsonart® Quartz surface under 1" (25.4mm) diameter watch cover glass for 16 hours duration prior to evaluation for effect. The branded cleaners and sanitizers listed above were cleaned with water only.

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* Causes slight change of gloss or color.
** Causes slight damage, with degree of damage proportionate to length of exposure and concentration.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Quartz per BIFMA HCF 8.1-2014 (Section 6 / Modified)
No effect was exhibited except as noted (* or **) on the following:

1. Beckart Environmental, Inc. (Stabilized Chlorine Dioxide Mixed with Water at 3000ppm)
2. Benefect®
3. Claire® Germicidal Cleaner (Country Fresh Scent)
4. Claire® Disinfectant Spray Q (Country Fresh Scent)
5. Clean Republic – All Purpose Everyday Cleaner (Hypochlorous Acid – 0.003% Solution)
6. Clorox® Anywhere® Hard Surface Sanitizing Spray
7. Clorox® Clean-Up (Cleaner & Bleach)
8. Clorox® Disinfecting Bleach w/6% Sodium Hypochlorite (24:1/Water:Bleach)
9. Clorox® Disinfecting Spray
10. Clorox® Disinfecting Wipes
11. Clorox Healthcare® Bleach Germicidal Cleaner
12. Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant *
13. Clorox Healthcare® Fuzion® Cleaner Disinfectant
14. Clorox Healthcare® VersaSure® Cleaner Disinfectant Wipes
15. Clorox® Total 360 Disinfectant Cleaner
16. Diversey™ Expose II 256
17. Diversey™ Oxivir 1 *
18. Diversey™ Stride® Floral Neutral Cleaner
19. Diversey™ Tb Wipes *
20. Diversey™ Virex II 256
21. Fabuloso® Complete (Multi-Purpose Cleaner)
22. Lysol® Professional Disinfectant Spray
23. Microban® 24 Hour (Multi-Purpose Cleaner)
24. PDI Sani-Prime® Germicidal Spray
25. PDI Super Sani-Cloth® Germicidal Disposable Wipes
26. PURELL® Advanced Hand Sanitizer Gel
27. Purell® Food Service Surface Sanitizer
28. Purell® Professional Surface Disinfectant
29. Purell® Healthcare Surface Disinfectant
30. Simple Green® Concentrated (All-Purpose Cleaner)
31. Spic and Span® Everyday (Antibacterial Cleaner)

Test procedure: Listed reagent materials were placed in contact with Wilsonart® Quartz surface with a one-inch square 100% cotton cloth completely saturated and covered with a 2” (50.8mm) diameter watch cover glass for 15 minute duration. The reagents listed above were removed with clean cloth and the area was then cleaned with clean cloth and distilled water only. The surface area was allowed to dry for 1-hour prior to evaluation for effect.
* Causes slight change of gloss or color.
** Causes slight damage, with degree of damage proportionate to length of exposure and concentration.

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3. Care and Maintenance

4. Warranty

5. Customer Service
   For samples, literature, questions, technical assistance, or warranty information, please contact our toll-free Hotline at (800) 433-3222, Monday through Friday, 8 am – 5 pm CST, or visit our website at www.wilsonart.com.

Quartz Tech Data
Revised: July 9, 2020
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Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-008_LA-001-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Plastic Laminate
Item Type	Type 107 General Purpose (HGS) Laminate
Description	General purpose laminate product
Manufacturer	Wilsonart
Model	#15504-31
Dimensions	0.045" Plus Minus 0.005" Thickness, Standard Sheet Widths 36", 48", 60" x Standard Sheet Lengths 96", 120", 144"
Color	Charcoal
Finish	31 Traceless
Material Composition	Melamine impregnated deccorative surface papers combined with fire retardant phenolic treated kraft paper
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI 3. A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Charcoal 15504-31
Warranty	1 Year
Notes	Recommended substrates for laminates are Particleboard, Medium Density Fiberboard (MDF) or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates. Refer to Design Guide Project Master, Section 12 32 16 for Casework and 12 36 23 for Countertops.

SPECIAL INSTRUCTIONS

All substrates should be sanded smooth, and should be clean and free of oil or grease, and uniform in thickness.

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

AREAS

Welcome Desk
On Us
Buffet

ALTERNATE MANUFACTURER 2	Flex Fitness Center Employee Areas Elevator Lobby Entrance Vestibule
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

TECHNICAL DATA
Wilsonart® Laminate
Basic Types 107, 335, 350

Wilsonart®
ENGINEERED SURFACES

2501 Wilsonart Dr
PO Box 6110
Temple, TX 76503-6110

1. Manufacturer

Wilsonart LLC
2501 Wilsonart Drive
P.O. Box 6110
Temple, Texas 76503-6110
Phone: (254) 207-7000; (800) 433-3222
Fax: (254) 207-2384
Web Site: www.wilsonart.com

2. Product Description

Recommended Uses

Wilsonart® Laminate, types 107, 335, and 350, is suitable for use on fine quality residential and contract furniture, fixtures and casework, and also for architectural application on columns, wainscoting, valances, cornices, interior doors and divider systems.

- **General Purpose (HGS) Type 107** is most frequently used for work surfaces on counters, islands, vanities, desks and tables. Typical vertical uses include surfacing for wall panels, teller cages and the front panels of workstations, such as those in hospitals, airports and restaurants. Type 107 is produced for both horizontal and vertical interior applications where the surface must be functional, durable and decorative.
- **Vertical Surface (VGP) Type 335** is the usual choice to surface cabinet walls, doors and drawer panels. It often appears on the vertical surfaces of desks, restaurants booths and maître d' stations, and as architectural cladding. Type 335 is intended for vertical applications where a functional, durable, decorative surface must absorb somewhat less impact than a comparable horizontal surface. VGP surfaces may be postformed to achieve radius edges.
- **Postforming (HGP) Type 350** adds the decorative capability of a soft edge to any typical laminate use. Common applications of post forming laminates are formed edges for counters, desktops, cabinet doors and drawer panels. Type 350 is intended for use on vertical and horizontal interior surfaces where it is necessary or desirable to roll the laminate on a simple radius over the edge of the substrate. This eliminates seams and leaves an attractive surface.

Product Composition

Decorative surface papers impregnated with melamine resins are pressed over Kraft paper core sheets impregnated with phenolic resin. These sheets are then bonded at pressures greater than 1000 pounds per square inch at temperatures approaching 300°F (149°C). Finished sheets are trimmed, and the backs are sanded to facilitate bonding.

Basic Limitations

Wilsonart Laminate is for interior use only and is not recommended for direct application to plaster, concrete walls, or gypsum wallboard. It is not structural material and must be bonded to a suitable substrate.

Do not subject Wilsonart Laminate to extremes in humidity, temperatures higher than 275°F (135°C) for substantial periods of time, or intense, continuous, direct sunlight.

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Patterns & Colors
Available in the full range of Wilsonart solid colors, stones, marbles, woodgrains, leathers and patterns. See all patterns and colors at www.wilsonart.com. Please see actual sample before specifying.

Finishes – Confirm finish availability on individual designs by going to www.wilsonart.com

- #01 High Gloss - Premium
  A mirror sheen finish, which gives a smooth, brilliant appearance. #01-High Gloss finish also features AEON™™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and can be used for horizontal applications such as countertops and light-to-medium commercial applications. Excellent for vertical applications and carries a premium upcharge.
  Nominal Glossometer Reading = 110
- #07 Textured Gloss - Premium
  A fine textured finish with a sheen level indicative of a waxed wood, polished stone, or other moderately reflective materials. #07 finish features AEON™™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 42
- #12 SoftGrain - Premium
  A dense wood grain structure that is low gloss and soft to the touch. Subtle highlights of reflectivity randomly occur within the embossed grains, creating a sophisticated raw wood look. #12 finish features AEON™™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 8
- #16 Casual Rustic - Premium
  A woodgrain texture with a blend of grain variations ranging from linear to subtle movement with random, irregular features. The overall low gloss surface is accented with higher sheen woodgrain ticking and random highlights. #16 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 6
- #18 Linearity - Premium
  A directional texture running the length of the sheet, having a narrow, random and matte-gloss linear quality. It is complementary to linear wood-grains, and linear patterns (such as the “Satin” series), and provides dimension and visual movement to solid colors. #18 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 18
- #19 Leno Weave – Premium
  Random intersecting horizontal and vertical lines create a geometric weave with a matte-gloss finish. Recommended for horizontal and vertical applications. #19 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 15
- #21 Soft Silk – Premium
  A smooth, ultra-matte finish with a silky, soft touch. This minimalist finish gives the surface a genuine stone feel. Recommended for horizontal and vertical applications. #21 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge,
  Nominal Glossometer Reading = 8
- #22 Antique - Premium
  A mixture of varying low gloss features combined with organic movement, indicative of the surface of an aged stone or an antique metal. Recommended for horizontal and vertical

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applications. Antique features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
Nominal Glossometer Reading = 9

- #28 Gloss Line - Premium
  A linear woodgrain texture with varied widths of narrow grain structures in an alternating mix of matte and gloss surfaces areas. Recommended for horizontal and vertical applications. Gloss Line features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 5
- #35 Mirage-Ultra Premium
  Subtle variations in matte and gloss finish connect to nature's own finishes: rough and weathered, smooth and polished. Wilsonart HD premium pricing. Recommended for horizontal and vertical applications.
  Nominal Gloss Reading = 50
- #38 Fine Velvet Texture
  A smooth textured finish with moderate reflective value.
  Nominal Glossometer Reading = 14
- #52 Quarry - Premium
  Premium finish emulating the "pitted" look of polished natural stone. Recommended for horizontal and vertical applications. #52 features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 55
- #55 Glaze-Ultra Premium
  A layering of matte features over a semi-gloss glaze, creates this timeworn effect. Wilsonart HD premium pricing. Recommended for horizontal and vertical application.
  Nominal Gloss Reading = 25
- #57 Aligned Oak – HD Premium
  Authentic realism is brought to the surfaces using synchronized texture as each elegantly aged oak design exhibits the natural dimension and feel or real world. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 7
- #60 Matte
  Textured finish with a moderate reflective quality. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 10
- #78 FineGrain - Premium
  The FineGrain premium finish features the polish and luxe of a real wood veneer, with a subtle, narrow grain structure that runs the length of the sheet. #78 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium.
  Nominal Glossometer Reading = 38

NOTE: Nominal Glossometer readings are made at a 60° angle of incidence.

Finish Availability: Not all finishes are available in all patterns and colors. Some finish options have limited size availability. Please check with your Wilsonart representative or consult the pattern availability lookup on our website at www.wilsonart.com, to verify size availability by finish type.

Standard Sheet Widths

36"	48"	60"
914mm	1219mm	1524mm

Standard Sheet Lengths

96"	120"	144"
2438mm	3048mm	3658mm

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NOTE: Not all sizes are available from stock; contact your Wilsonart representative for details on local availability. Minimums apply to non-standard designs and finishes in sizes other than 48"x96" and 60"x144". Please check with your Wilsonart representative.

Thickness and Weight

Description	107	335	350
Thickness	0.045" ± 0.005" (1.14mm ± 0.13mm)	0.028" + 0.001 - 0.004" (0.71mm + 0.03 - 0.10mm)	0.036" ± 0.005" (0.91mm ± 0.13mm)
Weight per square foot	0.322#	0.186#	0.260#

3. Technical Data

Physical Properties of General Purpose Laminates

ISO 4586 Test	Typical Wilsonart Type 107	ISO 4586-3 HGS
Thickness	**0.045" ± 0.005" (1.14mm ± 0.13mm)**	N/A
Appearance	**N/A**	N/A
Light Resistance	**Slight effect**	Slight Effect
Cleanability (cycles)	**10**	10
Stain Resistance Reagents 1-10 Reagents 11-15	 **No effect** **Slight effect**	 No effect Moderate effect
Boiling Water Resistance	**Slight Effect (Gloss)** **No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
High Temperature Resistance	**Slight effect**	Slight Effect (Gloss) No Effect (Other Finishes)
Impact Resistance	**65" (1651mm)**	31.5" (800mm)
Radiant Heat Resistance	**210 seconds**	≥ 200 sec.
Dimensional Stability Machine Direction Cross Direction	 **0.3%** **0.7%**	 1.1% (max.) 1.4% (max.)
Surface Wear Resistance (cycles)	**Meets or Exceeds 400**	350 (min.)
Formability	**Not applicable**	Not applicable
Blistering	**Not applicable**	Not applicable

Physical Properties of Vertical Surface Laminates

ISO 4586 Test	Typical Wilsonart Type 335	ISO 4586-3 VGP
Thickness	**0.028" + 0.001 - 0.004" (0.7mm + 0.03 - 0.10mm)**	N/A
Appearance	**N/A**	N/A
Light Resistance	**Slight effect**	Slight effect
Cleanability (cycles)	**10**	20 (max.)
Stain Resistance Reagents 1-10 Reagents 11-15	 **No effect** **Slight effect**	 No effect Moderate effect

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Boiling Water Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
High Temperature Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
Impact Resistance	**40" (1016mm)**	23.5" (600mm)
Radiant Heat Resistance	**200 seconds**	≥ 200 sec.
Dimensional Stability Machine Direction Cross Direction	**0.5% 0.8%**	1.1% (max.) 1.4% (max.)
Surface Wear Resistance (cycles)	**Meets or Exceeds 400**	350 (min.)
Formability	**5/16" radius (7.93mm)**	7/16" radius (11mm) 9/16" radius(14.7mm)
Blistering	**45 seconds**	≥ 40 seconds

*Radius for face is actually the radius of the form around which the laminate is postformed. The radius for back is actually the radius to which the decorative face is postformed.

Physical Properties of Postforming Laminate

ISO 4586 Test	**Typical Wilsonart Type 350**	**ISO 4586-3 HGP**
Thickness	**0.036" ± 0.005" (0.91mm ± 0.13mm)**	0.039" ± 0.005" (1mm ± 0.12mm)
Appearance	**N/A**	N/A
Light Resistance	**Slight effect**	Slight effect
Cleanability **(cycles)**	**10**	20
Stain Resistance Reagents 1-10 Reagents 11-15	**No effect Slight effect**	No effect Moderate effect
Boiling Water Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
High Temperature Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
Impact Resistance	**55" (1397mm)**	31.5" (800mm)
Radiant Heat Resistance	**205 seconds**	≥ 200 sec.
Dimensional Stability Machine Direction Cross Direction	**0.5% 0.8%**	1.1% (max.) 1.4% (max.)
Surface Wear Resistance (cycles)	**Meets or Exceeds 400**	350 (min.)
Formability*	***5/16" face (7.93mm) *3/8" back (9.52mm)**	*9/16" face (14.27mm) *3/4" back (19.05mm)
Blistering	**65 seconds**	≥ 40 seconds

*Radius for face is actually the radius of the form around which the laminate is postformed. The radius for back is actually the radius to which the decorative face is postformed.

Typical Fire Test Data

High-pressure laminates are subject to Flame Spread and Smoke Developed standards in structures where codes establish such conditions.

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Test data to determine compliance with these codes are obtained by the Steiner Tunnel Test method of the American Society for Testing Materials (ASTM-E-84, Standard Test Method for Surface Burning Characteristics of Building Materials). Tests were conducted in accordance with test method and mounting procedure as described in paragraph X1.7.2 of the test method. This procedure is cataloged by Underwriters Laboratories, Inc. as UL 723.
Here is typical data for Wilsonart laminates, averaged from two specific tests:

Typical Flame Spread and Smoke Developed Properties

Product Type	Test Condition	Flame Spread	Smoke Developed
General Purpose Type 107	Unbonded	50	45
Vertical Surface Type 335	Unbonded	45	40
Postforming Type 350	Unbonded	60	35
General Purpose Type 107	Bonded with contact adhesive to particleboard substrate; 3/8"	40	100
Vertical Surface Type 335	Bonded with contact adhesive to particleboard substrate; 3/8"	40	155
Postforming Type 350	Bonded with contact adhesive to particleboard substrate; 3/8"	50	140

When you wish to specify decorative laminate for a Class I or A fire rating, please refer to the Fire-Rated Laminate Tech Data.

Model Code Designations used to determine flame spread classification

Flame Spread Classification (Max. Rating)	International (IBC)	Life Safety (NFPA 101)
25	A	A
75	B	B
200	C	C

RE: Architectural Woodwork Quality Standard, 8th Edition, Version 1.0, - 2003

All Model Codes regulate the generation of smoke by interior finish material. In all cases they specify a maximum smoke development rating of 450.

Codes and Certifications

General Standards
Wilsonart Laminates, types 107, 335 and 350, conform to the voluntary standards of the American National Standards Institute, for thickness, performance properties and appearance. Wilsonart Laminates 107,335 and 350 meet or exceed the International Standards Organization specifications as found in ISO 4586, titled "High-Pressure Decorative Laminate (HPDL) – Sheets Based on Thermosetting Resins – Part I: specifications."

Specific Product Standards
U.S. Federal Specification L-P 508H, April 9, 1977, "Plastic Sheets, Laminated, Decorative and Non-decorative." Spells out criteria for decorative laminates for federal installations. Wilsonart 107, 335 and 350 laminates comply.

NSF International (NSF) #35 "Laminated Plastic for Surfacing for Food Service Equipment." All solid colors and printed patterns in Basic Types 107, 335 and 350, comply.

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U.S. Federal Register, August 9, 1984, Housing and Urban Development Mobile Home Construction and Safety Standard, (24CFR) 3280.203. General Purpose Type 107 and Vertical Surface Type 335 comply.

U.S. Federal Test Method, Federal Aviation Regulation, DOT, Part 25.853, Airworthiness Standards: Transport Category Airplane (Interior Finish). Vertical Surface Type 335 and Postforming Type 350 comply with parts A and C.

U.S. Federal Motor Vehicle Safety Standard (FMVSS) 302, "Flammability of Interior Materials." Basic Types 107, 335 and 350 comply.

U.S. Military Standard MIL-P-17171E (SHIPS)/Plastic Laminate. General Purpose Type 107 complies.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Laminate
No effect was exhibited except as noted (* or **) on the following:

1. Clorox Healthcare Bleach Germicidal Cleaner *
2. Clorox Healthcare Versa Sure Cleaner Disinfectant Wipes
3. Oxivir TB
4. Oxivir 1
5. Virex II 256
6. Benefect
7. PDI Super Sani-Cloth Germicidal Disposable Wipes
8. PDI Sani-Prime Germicidal Spray
9. Expose II 256
10. Stride Floral Neutral Cleaner *
11. PURELL Advanced Instant Hand Sanitizer *

Test procedure: Listed materials were placed in contact with Wilsonart® Laminate surface under 1" (25.4mm) diameter watch cover glass for 16 hours duration prior to evaluation for effect. The branded cleaners and sanitizers listed above were cleaned with water only.

* *Causes slight change of gloss or color.*
** *Causes slight damage, with degree of damage proportionate to length of exposure and concentration.*

4. <u>Installation: Fabrication and Assembly Recommendations</u>

Fabrication should follow approved methods. Assembled pieces should meet the specifications of KCMA (Kitchen Cabinetmakers Manufacturers Association), ANSI A-161.2-1998 (revised), and "Architectural Woodwork Quality Standards, Guide Specifications and Quality Certification Program" guidelines of the Architectural Woodwork Institute where applicable.

Wilsonart laminates must be bonded to a substrate of reliable quality, such as particleboard, medium density fiberboard or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates. Basic Types laminate may not be used as structural members.

Bond with adhesives and follow the techniques recommended by the adhesive manufacturer. Recommended adhesives are permanent types, such as urea and polyvinyl acetate (PVA), and contact types. Wilsonart adhesives are recommended for most bonding conditions.

To avoid stress cracking, do not use square-cut inside corners. All inside corners should have a minimum of 1/8" (3.175mm) radius and all edges should be routed smooth.

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Drill oversized holes for screws or bolts. Screws or bolts should be slightly countersunk into the face side of a laminate-clad substrate.
Take care to ensure an appropriate acclimation between the laminate and the substrate prior to fabrication. The face and backing laminates and the substrate should be conditioned in the same environment for 48 hours before fabrication.
Recommended conditioning temperature is about 75°F (24°C). Laminates should be conditioned at 45% to 55% relative humidity.

With postforming machinery, Wilsonart 335 and 350 will postform at a nominal sheet temperature range of 325°F to 338°F (163°C to 170°C) in 20 ± 5 seconds.

Carbide-tipped saw and router blades should be used for cutting. High tool speed and low feed speed are advisable. Cutting blades should be kept sharp. Use a hold-down to prevent any vibration.

5. **Warranty**

6. **Maintenance**

7. **Technical Services**

For samples, literature, questions or technical assistance, please contact our toll-free Hotline at (800) 433-3222, Monday through Friday, 8 am – 5 pm, CST.

Specification Form:

Surface shall be Wilsonart® Laminate, produced by Wilsonart LLC, Temple, Texas 76503-6110

Type: Specify 107, 335 or 350

Surface
Color Number: _____ Color Name: _____

Finish
Number: _____ Name: _____

Edge Trim
Color Number: _____ Color Name: _____

Adhesive
Name: _____ Grade/Type: _____
Brand: Wilsonart® Adhesive

Wilsonart® Laminate Technical Data
Basic Types 107, 335, 350
Revised: September 12, 2019
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Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-008_LA-002-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Plastic Laminate
Item Type	Type 107 General Purpose (HGS) Laminate
Description	General purpose laminate product
Manufacturer	Wilsonart
Model	#7850-12
Dimensions	0.045" Plus Minus 0.005" Thickness, Standard Sheet Widths 36", 48", 60" x Standard Sheet Lengths 96", 120", 144"
Color	Beigewood
Finish	SoftGrain
Material Composition	Melamine impregnated deccorative surface papers combined with fire retardant phenolic treated kraft paper
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023 - Interior Architectural Woodwork
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Beigewood 7850-12
Warranty	1 Year
Notes	Recommended substrates for laminates are Particleboard, Medium Density Fiberboard (MDF) or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates.

SPECIAL INSTRUCTIONS

1. Run grain direction vertically unless noted otherwise.
2. PVC Edgebanding:
a. Exposed Ends: Grade VGS plastic laminate or minimum 0.030-inch thick PVC edge banding. Color to match exposed faces.
b. Semi-exposed Ends; Grade VGS plastic laminate or minimum 0.030-inch thick PVC edge banding. Color to match exposed faces.
3. Melamine at all vertical surfaces/HPL at all horizontal surfaces
4. Elevator Interior Cab: Materials shall comply with NEMA LD-3
a. Fire-Retardant Treated Particleboard Panels : Minimum ½-inch thick backup for plastic laminate veneered panels, provided with suitable anti-warp backing; to meet ASTM E84 Class “A” rating with flame-spread rating of 25 or less.

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-008_LA-002-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk
In-A-Pinch
Connection Center
Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Public Restrooms
Elevator Lobby
Administration
Lobby
Breakfast

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-008_MH-003-GR

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Concealed Hinges
Item Type	Hinges
Description	Concealed Hinges for Cabinet Doors
Manufacturer	Grass America
Model	Tiomos 110 Overlay, Half Overlay or Inset
Finish	Nickel Plated
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Screw/Nail	As recommended by Manufacturer
Finish	US15
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.
Notes	Use soft close hinges. https://tinyurl.com/2ubsjany

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Grass America
Contact Name:
Phone: 800.334.3512
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Elevator Lobby
Administration

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-008_MH-009-HA

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Magnetic Pressure Catch
Item Type	Magnetic Pressure Catch
Description	Magnetic Pressure Catch & Strike Plate
Manufacturer	Hafele
Model	245.75.310 / 246.36.390
Finish	Black / Bronzed
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Assembly Description	ML-007
Screw/Nail	As recommended by Manufacturer
Finish	Black / Bronzed
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Hafele America Co
Contact Name: Ty Lefever
Phone: (815) 315-3410
Email: ty.lefever@hafele.us

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Hub
On Us
Buffet
Fitness Center

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-008_MH-018-WL

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Millwork Hardware
Item Type	Hinge, Pivot
Description	Heavy duty, heavy gauge pivot hinge for trash receptacles
Manufacturer	Wurth Louis Company
Model	Heavy Duty Gravity Pivot "Restaurant" Hinge YYGPH-CH
Dimensions	3-5/16"L x 1-5/8"H
Finish	Chrome
Material Composition	Heavy gauge steel construction
CSI #	12 32 16 - Manufactured Plastic Laminate Clad Casework
Omniclass #	22-12 32 16 - Manufactured Plastic Laminate Clad Casework
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessories	Use #10 x 3/4" F.H. wood screws
Part of an Assembly	Y
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.
Notes	For use on panels 1" thick

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Accuride International
Contact Name:
Phone: 562.903.0200
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Buffet

Accuride®

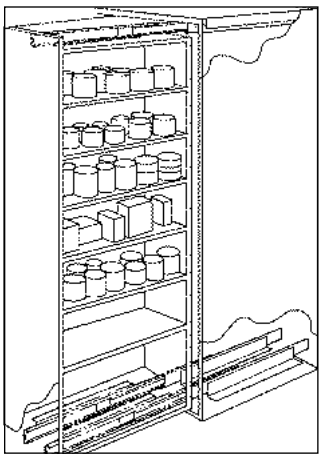
MODEL 301-2590

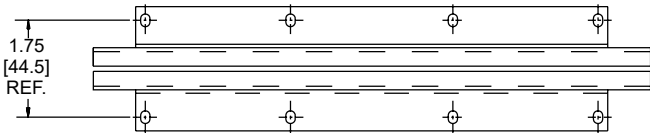
Undermount Shelf Slide
Non-Disconnect
Over Travel

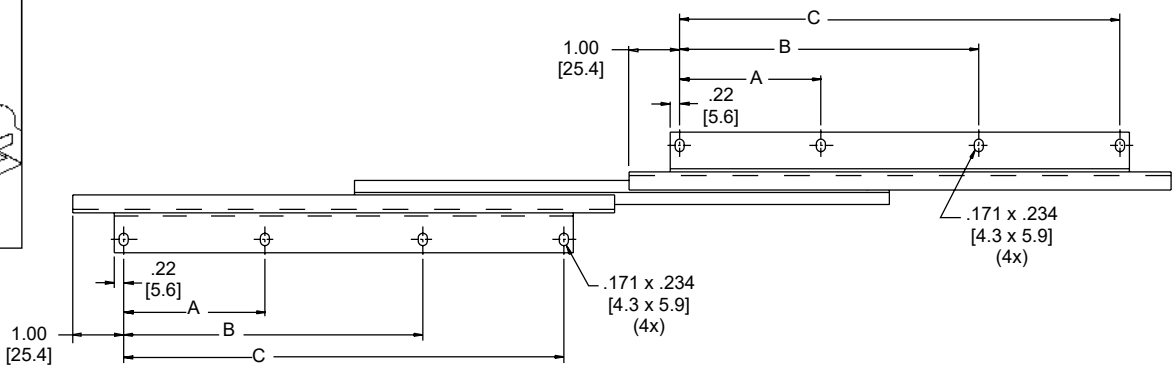
Applications: Pull-out storage shelves, kitchen pull-out pantries, and entertainment centers. Battery trays, storage bins, and generators.

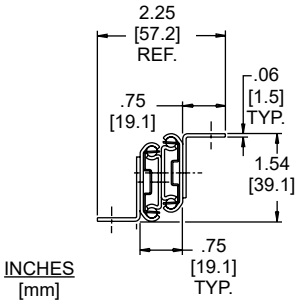
301-2590
QUICK REFERENCE

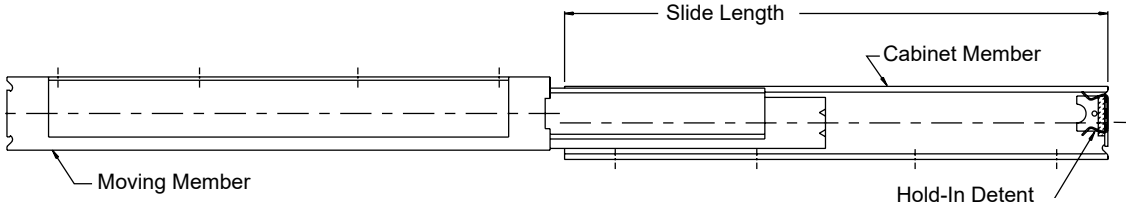
Side Space: .75" [19.1 mm] slide only
2.25" [57.2 mm] with brackets
Length: 12"–28" [305 mm–711 mm]
Overall slide dimensions: .50" x 1.62"
Load rating: Up to 155 lb. [70 kg.]*











Finish	Bright electro-zinc (C) or black zinc (CB) plating
Length	12"–28" [305 mm–711 mm]
Height	1.54" [39.1 mm]
Side Space	.75" [19.1 mm] slide only 2.25" [57.2 mm] with brackets
Load	Up to 155 lbs [70 kg]* Capacity
Travel	Slide length plus .83" [21.1 mm]
Mounting	Bracket/undermount
Hardware	#8 pan head or round head screws
Features	Hold-in detent, silenced open and closed, slide is handed

* Load rating based on a 16" wide shelf cycled 50,000 times.

Part Number	Slide Length	Slide Travel	Load Rating lb. [kg] per pair*	A	B	C
301-2590-12	12.00 [305]	12.83 [325.9]	155 [70]	4.00 [101.6]	6.00 [152.4]	10.00 [254.0]
301-2590-14	14.00 [356]	14.83 [376.7]	148 [67]	4.00 [101.6]	8.00 [203.2]	12.00 [304.8]
301-2590-16	16.00 [406]	16.83 [427.5]	140 [64]	4.00 [101.6]	10.00 [254.0]	14.00 [355.6]
301-2590-18	18.00 [457]	18.83 [478.3]	130 [59]	4.00 [101.6]	12.00 [304.8]	16.00 [406.4]
301-2590-20	20.00 [508]	20.83 [529.1]	122 [55]	7.00 [177.8]	11.00 [279.4]	18.00 [457.2]
301-2590-22	22.00 [559]	22.83 [579.9]	113 [51]	7.00 [177.8]	13.00 [330.2]	20.00 [508.0]
301-2590-24	24.00 [610]	24.83 [630.7]	104 [47]	7.00 [177.8]	15.00 [381.0]	22.00 [558.8]
301-2590-26	26.00 [660]	26.83 [681.5]	95 [43]	7.00 [177.8]	17.00 [431.8]	24.00 [609.6]
301-2590-28	28.00 [711]	28.83 [732.3]	85 [39]	7.00 [177.8]	19.00 [482.6]	26.00 [660.4]

1. Mark a line at least 1/4" [6.4 mm] in from the right side of the cabinet opening and parallel to the cabinet side.
2. Locate a point on this line 1.00" [25.4 mm] back from the desired front of the slide.
3. Using #8 pan or round head screws, mount the cabinet member bracket through the first hole at this point.

   NOTE: For maximum strength, ensure that the hold-in detent spring is installed inside the cabinet.
4. Mount the left hand slide similarly, locating the screw centerline of the cabinet member bracket at least 1/4" [6.4 mm] in from the left side of the opening.
5. Keeping the right and left hand slides parallel, install the remainder of the cabinet member screws.

   NOTE: When using soft materials such as particle board, replace rear cabinet mounting screws with through bolts.
6. With slides extended, center the shelf and drive the screws up through the moving member brackets into the bottom of the shelf.

   NOTE: If the unit is mounted too close to the floor reverse the procedure above and install the moving member screws first.

Slide Ordering Instructions

Complete your slide order for Accuride model 301-2590 by specifying the following:

20 Pair	C	301-2590	-16	D
Total Required Slides				
	Slide Finish			
		Slide Model Number		
			Slide Length	
				Optional Polybag Packaging

Packaging

Distributor (D) Pack: All lengths are packaged 5 pair per box. Polybag includes one pair of slides and mounting screws.

Bulk Pack: Slides only. Left hand slides and right hand slides are packaged in separate boxes.

Lengths 12"–18"	20 each per box
Lengths 20"–28"	10 each per box

Specifications

Slide members and ball retainers: Cold rolled steel
Ball bearings: Carburized steel

RoHS compliant

NOTE: Specifications, materials, prices, terms, and delivery are subject to change without notice.

Accuride®

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www.accuride.com

Manufacturing, Engineering, and Sales
United States • Germany • Japan • Mexico • United Kingdom • China

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Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-008_MT-002

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Decorative Metal Fabrications
Item Type	Aluminum Sheet & Tube
Description	1/8" thick aluminum sheet metal and 1" x 1" Aluminum Tube, Powder Coated
Manufacturer	Not Applicable
Model	Not Applicable
Dimensions	Refer to Design Guideline Drawings
Color	Tiger Drylac 049/66230, Color: Brown C33
Finish	Metallic Smooth/Matte; Fluropolymer (PVDF) 70% resin, 2-coat system complying with AAMA 2605
CSI #	057500 - Decorative Formed Metal
Omniclass #	22 - 057500 - Decorative Formed Metal
Quality Standards	Aluminum Plate and Sheet: ASTM B209/B209M, Alloy 6061-T6; Aluminum Extruded Bar and Tubes: ASTM B221, Alloy 6063-T5. Comply with NAAMM "Metal Finishes Manual" for “Architectural and Metal Products” for recommendations relative to application and designations of finishes. for type of use and finish indicated.
Part of an Assembly	N
Notes	Sheet metal directly adhered to substrate per manufacturer's recommended adhesive. Form decorative metal to required shapes and sizes, true to line and level with true curves and accurate angles and surfaces. Finish exposed surfaces to smooth, sharp, well-defined lines and arris.

SPECIAL INSTRUCTIONS

If finished in the field; refer to the Building Product Manual Paint Schedule in the appendix for interior painted metal surfaces.

MANUFACTURER	AREAS
ALTERNATE MANUFACTURER 2	Hub Buffet Breakfast
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

TIGER Drylac® Powder Coatings

SERIES 49 - interior and exterior applications

POLYESTER TGIC WEATHER RESISTANT POWDER COATING FOR INTERIOR AND EXTERIOR APPLICATIONS

Typical applications

- residential windows and doors
- lawn mowers and garden equipment
- patio furniture
- automotive accessories
- bicycles and motorcycles
- agricultural machinery
- sporting goods
- internal ship components

Product details

Standard packaging	in original 44 & 55 lb (20 & 25 kg) boxes and 5 lb (2.5 kg) minipack
Specific gravity (ASTM D792)	approximately 1.2-1.8 g/cm^3 depending on pigmentation
Theoretical coverage	at 2.5 mils (60 µm) film thickness: **51.5 ft²/lb (11.1 m²/kg)**. Refer also to "Theoretic Powder Coating Coverage Chart" version 00-1001 (imperial) version 00-1000 (metric)
Storage stability	12 months at no more than 77 °F (25 °C) avoid direct and extended exposure to heat

Finish

finish	gloss
smooth *glossy*	80-95+*
smooth *semi-gloss*	55-65*
smooth *matte*	15-25*
rough texture *glossy*	visual
rough texture *matte*	visual
fine texture	visual
fluorescent	visual
clear, glitter, candy tones	visual
dormant transparent	visual
holographic	visual
metallic and other special effects	visual

* *Gloss level according to ASTM 523 at 60° angle (doesn't apply to metallic effect powder coatings). The measured gloss level of effect powder coatings can diverge from the details given in this Product Data Sheet. The creation of tolerance samples is recommended.*

Available as stock product in a selection of colors and finishes (see color charts). It can be made to order in non-stock colors (minimum order quantity applies).

Features

- good weather resistance
- good mechanical properties
- good flow
- good coverage
- good storage stability
- available in Out Gassing Forgiving (OGF) formulation
- Underwriter Laboratories recognized component (UL approved)

Underwriters Laboratories Inc., (UL) Recognition.

Pretreatment

The following table reflects the common methods of pre-treatment with regards to various substrates and applications. In selecting the proper type of pretreatment, the suitability of the type of powder coating for a desired application according to the guidelines on this page should be observed.

	Aluminum			Galvanized Steel				Steel		
Degreasing	○			○				○		
[1] Chromating	○	○	○	○	○	○	○			
[2] Pre-Anodizing	○	○	○							
[2] Chrome free	○	○	○	○	○					
Iron Phosphating								○	○	
Zinc Phosphating				○	○	○	○	○	○	○
Blasting								○	○	○
[3] Sweeping				○	○	○	○			
	I	E	A	I	E	A	S	I	E	S[4]

Application: I = interior; E = exterior; A = architectural; S = steel

1) according to ASTM B 449
2) according to GSB quality and test regulations. The suitability of this type of pretreatment needs to be established through a boiling water test and subsequent cross-hatch adhesion and adhesive tape removal test
3) only for zinc coated parts >1.8 mils (>45 µm)
4) for a two-coat process/TIGER Shield

Processing

Corona and Tribostatic*

** For Tribostatic powder coatings, confirm before ordering. Suitability of metallic effects for Tribostatic processing must be verified prior to actual application. Please refer to the latest edition of the relevant application guidelines for metallic effect powder coatings.*

Since not all powder coatings are suitable for recycling/reclaim, please verify before ordering.

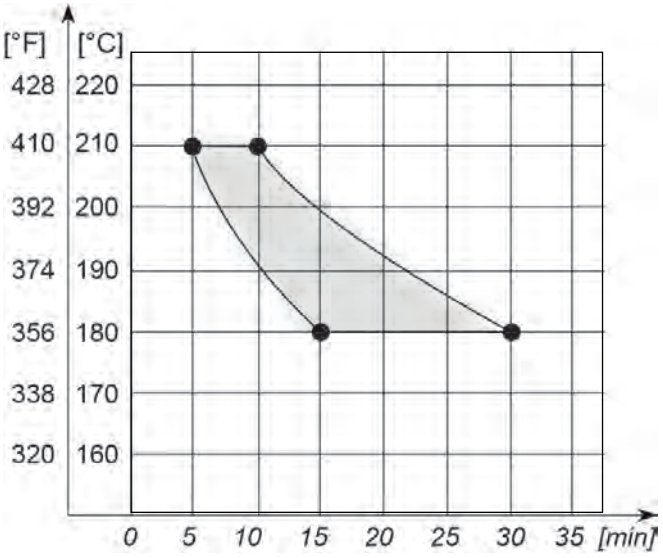
Product data sheet

TIGER Drylac® Powder Coatings

Cure parameters

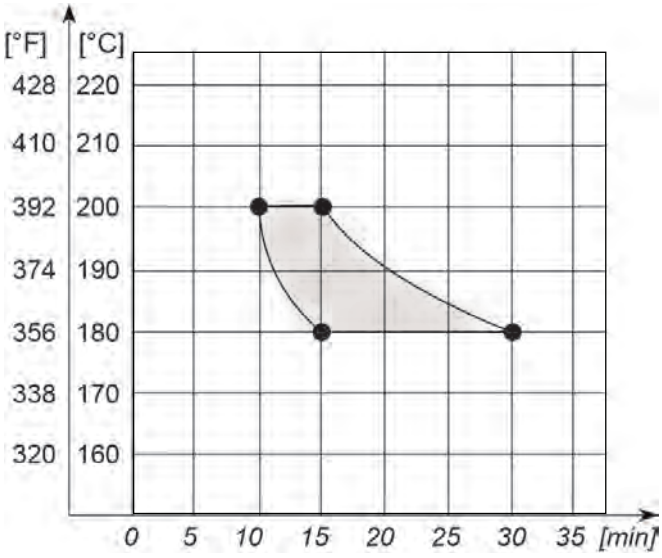
(substrate temperature versus curing time)

smooth *glossy*



substrate temp.	min. curing time	max. curing time
356 °F (180 °C)	15 minutes	30 minutes
410 °F (210 °C)	5 minutes	10 minutes

smooth *matte*



substrate temp.	min. curing time	max. curing time
356 °F (180 °C)	15 minutes	30 minutes
392 °F (200 °C)	10 minutes	15 minutes

Cure parameters must be closely observed since mechanical properties will develop before full cross-linking.

Test results

Checked under laboratory conditions on iron phosphated steel test panels Bonderite B-1000 or equivalent. Cure conditions are according to the cure curves. Actual product performance may vary due to product-specific properties such as gloss, color, effect and finish as well as application-related and environmental influences. When used as a two-coat system, the increase in film thickness will result in a decrease of mechanical properties.

test method	test	Series 49 smooth *glossy*	Series 49 smooth *semi-gloss*	Series 49 smooth *matte*
ISO 2360	**recommended film thickness**	2.5-3.5 mils (60-80 µm)	2.5-3.5 mils (60-80 µm)	2.5-3.5 mils (60-80 µm)
ASTM D523	**gloss - 60°**	80-95+	55-65	15-25
ASTM D3359 method B	**cross cut tape test** 1mm cutting distance	5B	5B	5B
ASTM D522	**mandrel bending test** cracking of coating	≤1/8 inch (≤3 mm)	≤5/32 inch (≤4 mm)	≤3/16 inch (≤5 mm)
ASTM D2794	**ball impact test** cracking of coating	80 in/lb no appearance of cracks down to the substrate	80 in/lb no appearance of cracks down to the substrate	80 in/lb no appearance of cracks down to the substrate
ASTM D3363	**pencil hardness**	2H minimum	2H minimum	2H minimum
ASTM D2247	**determination of resistance to humidity** 1,000 hours	maximum undercutting 1/8 inch (3 mm), no blistering	maximum undercutting 1/8 inch (3 mm), no blistering	maximum undercutting 1/8 inch (3 mm), no blistering
ASTM B117	**salt spray resistance** 1,000 hours	maximum undercutting 1/8 inch (3 mm), no blistering	maximum undercutting 1/8 inch (3 mm), no blistering	maximum undercutting 1/8 inch (3 mm), no blistering

Cleaning recommendations: refer to the latest edition of TIGER “Cleaning Recommendations” information sheet, Version 00-1005.

Series 49

TIGER Drylac® Powder Coatings

Please note

For metallic finishes, it is recommended to observe the guidelines published in the latest edition of TIGER Drylac® "Application guidelines for metallic effect powder coatings".

Please consult the manufacturer before applying any 2-coat systems that feature (i) a primer or e-coat as base coat and (ii) a metallic effect powder coating as a top coat.

Top coating with a clear exterior grade powder coating over an interior grade powder coating does not result into a weather resistant coating system.

Post-bending properties of any part must be verified prior to application. Minor cracks in the coated surface may lead to corrosion.

Joint sealants and any other auxiliary products, such as glazing aids, gliding waxes, drilling and cutting lubricants, which come in contact with the coated surface, must be pH-neutral and free of substances that may damage the finish. Therefore, a suitability test at the applicator's end, prior to coating, is highly recommended.

In general, colors in the red, orange and yellow range may require an increased film thickness to achieve full hiding.

Please read and understand the Safety Data Sheet (SDS) before use.

Chemical resistance

The required chemical resistance of a powder coating depends, among other things, on its formulation. Chemical resistance requirements must be considered according to processing conditions and final use of the finished product. This is best established during the product specification process. Agreement between all parties involved must be reached about the requirements for such chemical resistance as well as the test method, which may be performed in accordance with PCI test method #8 "Solvent Cure Test". Furthermore, the test duration and concentration of the test media need to be agreed upon.

Disclaimer

TIGER's verbal and written recommendations for the use of its products are based upon experience and in accordance with current technological standards. These are provided in order to support the buyer or user. They are non-committal and do not create any additional commitments to the purchase agreement. They do not release the buyer from verifying the suitability of TIGER products for the intended application. TIGER warrants that its products are free of flaws and defects to the extent stipulated in the Terms of Delivery and Payment.

As part of TIGER product information program, each Product Data Sheet is updated periodically. The latest version shall prevail. It is recommended to always check for the latest editions on TIGER's website download area www.tiger-coatings.com to make sure you have the most current version of this Product Data Sheet. The information on TIGER's Product Data Sheets are subject to change without notification.

This Product Data Sheet supersedes and replaces all previous Product Data Sheet versions and notes to customers published in relation to this product and is only intended to provide a general overview on the product.

Latest versions of Technical Information Sheets and Terms of Delivery and Payment are downloadable from www.tiger-coatings.com and form an integral part of this Product Data Sheet.

Series 49

Certified according to ISO 9001 | 14001

TIGER Drylac U.S.A., Inc.
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Flex Storage_ML-009

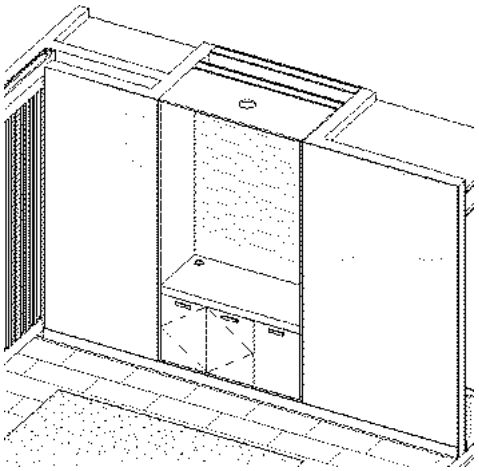
Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-009

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Flex Storage Millwork
Item Type	Public Millwork
Description	Plastic Laminate Clad Custom Millwork consisting of cabinets, shelves and countertops.
Manufacturer	R.B. Woodcraft, J. Suss Industries, MGroup; MillRock Casework
Model	Not Applicable
Dimensions	Refer to Design Guideline Drawings
Color	Refer to Design Guideline Drawings and Building Product Manual
Finish	Refer to Design Guideline Drawings and Building Product Manual
Material Composition	Cabinet to Door Interface shall be Frameless, Flush (Full) Overlay. Grain direction to be horizontal on doors, drawer fronts, knee space panels, aprons & end panels.
CSI #	12 32 16 - Manufactured Plastic Laminate Clad Casework
Omniclass #	22-12 32 16 - Manufactured Plastic Laminate Clad Casework
Grade	Lumber shall be in accordance with the AWS Grade specified for the product being fabricated. Moisture content shall be 6% to 12% for boards up to 2-inches nominal thickness, and shall not exceed 19% for thicker pieces.
Classification	Particle Board: ANSI A208.1, Mat-Formed Particle Board, Grade 1-M-2, with minimum density of 45 pcf. Internal bond of 60 psi, and minimum screw holding capacity of 225 lb. on faces and 200 lb. on edges. Hardboard: ANSI A135.4, Class 1, tempered. E. MDF: ANSI A208.2, Grade 130.
Acoustical Performance	Door & Drawer bumpers to be placed on all cabinet doors and drawers.
Best Practices	Use products with no urea-formaldehyde resins. Use adhesives with Low VOC content.
Quality Standards	Architectural Woodwork Standards (AWS)
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	N
Design & Construction	See attached specifications. All listed millwork must be manufactured in accordance with the attached specifications.
Lighting	Not Applicable
Plastic Laminate	Refer to Specifications within Building Product Manual
Millwork Hardware	Refer to Specifications within Building Product

	Manual
Pattern/ Color	Refer to drawings for finishes. Review and approval of finish samples required prior to manufacturing.
Fabric Wrapped Panels	Not Applicable
Lead Time	TBD
Notes	1. Public Space Casework: Interior face of exposed cabinet units shall be Thermoset Decorative Overlay (melamine), to match door fronts as shown in the Design Guideline Drawings. a. Exposed & Semi-Exposed ends: Grade VGS plastic laminate or minimum 1mm thick PVC edge banding. Color to match exposed faces. 2. Top and Bottom Rails; and Sub-toe Boards: Not less than 3/4-inch particleboard faced with Grade VGS plastic laminate to match door and drawer fronts. Machine ends for wood-dowel or mechanical dowel fasteners to receive top, bottom, and back. Base ends to extend to floor. Finish exposed ends to match doors and doors and drawer fronts. 3. Unexposed Ends: Not less than 3/4-inch tempered hardboard; finished with Thermoset Decorative Overlay (Melamine). Attach to front frame in same manner as exposed ends. 4. Back Panels: Not less than 1/4-inch tempered hardboard or MDF; finished with Thermoset Decorative Overlay (Melamine). 5. Doors 48 Inches or Less in Height: 3/4 inch thick, Particle Board cores. Front faces to be Grade VGS plastic laminate overlay, and back faces to be Thermoset Decorative Overlay (melamine). Provide stop silencers at the top and bottom of all hinged doors. 6. Shelving (within cabinetry): Not less than 3/4" particle board with Thermoset Decorative Overlay (melamine) to match cabinet interior, PVC edge banding; adjustable at least every 1-1/2 inch; clear plastic [seismic] shelf clip pressed into 5mm holes bored in cabinet side. Fabricate base shelf to half depth. Exposed Fixed Shelving Units: Front faces to be Grade VGS plastic laminate overlay. 7. Filler Strips: Provide as needed to close spaces between cabinets and walls, ceilings, and indicated equipment. Fabricate from same material and with same finish as cabinets. Oversize for field cutting to suit field conditions and assure continuous enclosure of open spaces. Provide raw (unfinished) cleats at blind corners and appliance openings as required to support countertops, minimum 3/4-inch x 1-1/2 inch x 8 foot length, to be field cut and fit by the installer. 8. Base Cabinet Units: a. Base Cabinet Top Frames: 3/4-inch solid wood with mortise and tenon or doweled connections, glued

and pinned or screwed. Base Cabinet Stretchers: 3/4-by-4-1/2-inch plywood, Particle Board, or MDF strips or solid-wood boards at front and back of cabinet, glued and pinned or screwed.
b. Base Cabinet Stretchers may be provided as an option to base cabinet top frames.
c. Bottoms: Not less than 1/2-inch hardwood plywood faced with Thermoset Decorative Overlay (Melamine) to match door and drawer fronts, fully supported by and secured in rabbets in end panels, front frame, and back bottom rail.
d. Corner Blocks: Glued and fastened in each of four top corners to maintain cabinet squareness and rigidity.

SPECIAL INSTRUCTIONS

Architect / General Contractor to coordinate millwork with power/data, etc.
MDF Panel at rear of wall cabinet to be prepped for vinyl wall covering finish as recommended by wall covering manufacturer.

MANUFACTURER

Vendor Name: RB Woodcraft Inc
Contact Name: Drew Brooks
Phone: (315) 474-2429
Email: drewbrooks@rbwoodcraft.com

ALTERNATE MANUFACTURER 2

Vendor Name: J Suss Industry
Contact Name: Liane Alexander
Phone: (866) 769-5666
Email: liane@jsuss.com

ALTERNATE MANUFACTURER 3

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 4

Vendor Name: Millrock
Contact Name: Jared Jaudon
Phone: (540) 437-3458
Email: jjaudon@millrock.com

AREAS

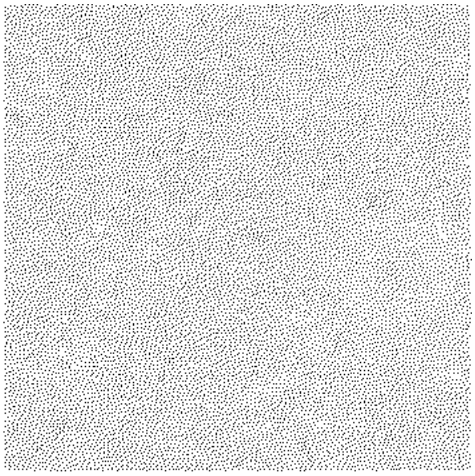
Flex

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-009_CT-001-BS

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Belstone
Model	Dodi
Dimensions	Refer to Design Guideline Drawings
Color	Demitasse
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Notes	Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 2

Vendor Name: MGroup
Contact Name: Drew Murray

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Public Restrooms

Phone: (706) 302-5590 Email: drew.murray@mgroupcorp.com	Elevator Lobby Hydration Station
ALTERNATE MANUFACTURER 3 Vendor Name: JG EDELEN CO INC Contact Name: Kelly Smith Phone: (410) 918-1200 Email: ksmith@jgedelen.com	
ALTERNATE MANUFACTURER 4 Vendor Name: Daltile Contact Name: Morgan Stephenson Phone: (214) 309-4531 Email: morgan.stephenson@daltile.com	

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-009_CT-001-DA

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Daltile
Model	One-Quartz
Dimensions	Refer to Design Guideline Drawings
Color	QQ20-Aspen Gray
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Thickness	2cm Unless Otherwise Noted. Refer to Details Eased Edge.
Notes	Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: Daltile
Contact Name: Morgan Stephenson
Phone: (214) 309-4531
Email: morgan.stephenson@daltile.com

AREAS

Hub
On Us
Buffet

ALTERNATE MANUFACTURER 2

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 3

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 4

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

Flex
Fitness Center
Employee Areas
Public Restrooms
Hydration Station
Lobby

ML-009_CT-001-DA

WALL | COUNTERTOPS

ONE QUARTZ SURFACES®

daltile®

ONE QUARTZ SURFACES®

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SLAB

USAGE

FLOOR

WALL

COUNTERTOP

SHOWER FLOOR

EXTERIOR FLOOR

STEPWISE

TRU-EDGE

MADE IN THE U.S.A.

LARGE FORMAT

SPECIAL FEATURES

HOUSE/DECO

ENCAUSTIC

TERRAZZO

PAVER

CUSTOMIZE

FLEXFIT™

Q

LOW HIGH

SEE CHARTS FOR FULL PRODUCT DETAILS

*MADE IN THE USA WITH IMPORTED MATERIAL.

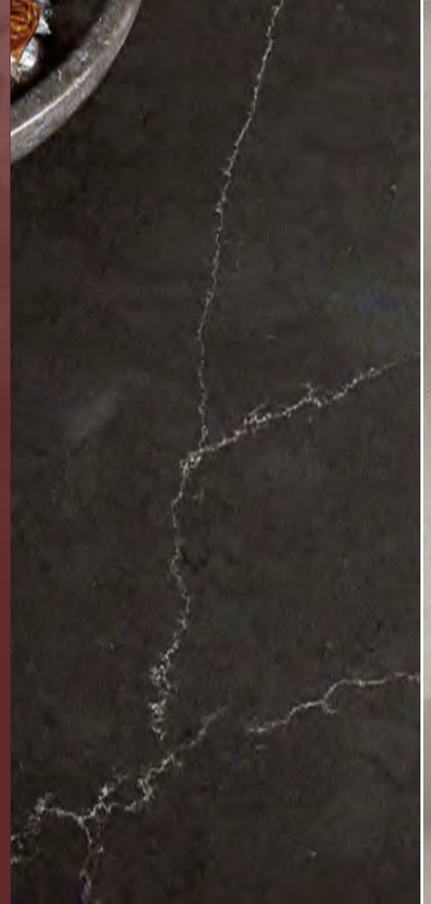
FROM NATURE CHIC – TO CITY SLEEK

With the ONE Quartz Surfaces® assortment, we've brought together the beauty of quartz and modern technology to create new and exciting possibilities. ONE Quartz Surfaces® gives you more design choices for your next project. The low maintenance and durability of ONE Quartz Surfaces® countertops make it perfect for any application, commercial or residential. Functional yet chic, that's what ONE Quartz Surfaces® is all about.

AVAILABLE IN:

Within these unique series, you'll have more selection than ever before.

- Marble Look
- Stone Look
- Concrete Look
- Monochromatic Look

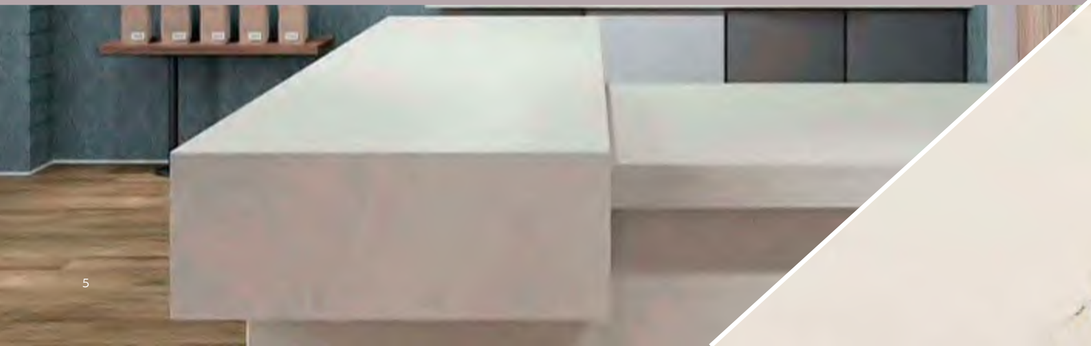


ML-009_CT-001-DA

MARBLE LOOK

Dazzle in design with charming details which embody the luxury of the finest marble. Create drama with striking vein patterns, or infuse tranquility with subtle marbling. This look allows you to create elegant styles with outstanding durability.

Made in the USA with imported material.



ML-009_CT-001-DA

ML-009_CT-001-DA

RUSHMORE OQ41

FREEDOM CALACATTA OQ42

WASHINGTON OQ43

LIBERTY CALACATTA OQ44

LIBERTY GOLD OQ45

PATRIOCTIC CALACATTA OQ47

ML-009_CT-001-DA

INDEPENDENCE CALACATTA OQ48

STATUARY UNITY OQ53

STATUARY GLORY OQ52

WHITE STATUARY NQ12

CALACATTA NQ06

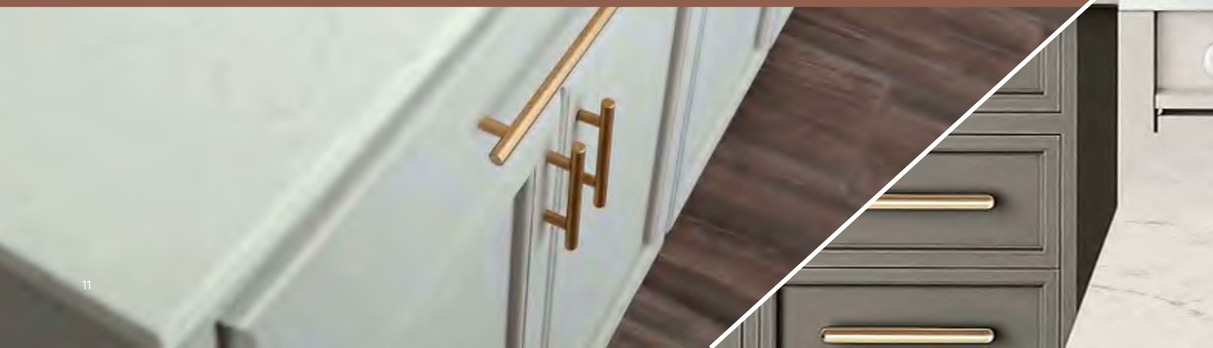
CARRARA VEIL OQ12

CARRARA AURA OQ09

BROADWAY BLACK OQ03
Also stocked in Leather finish

STONE LOOK

Enjoy the opulent beauty of stone with the benefits of extraordinary endurance. From travertine and limestone visuals, the many color choices are versatile for any design. Increase the style in your space with a majestic stone look.

Made in the USA with imported material.

ML-009_CT-001-DA

VALOR WHITE OQ55

CAPITOL BEIGE OQ57

NOBLE GREY OQ56

ARCHES OQ33

NIAGARA OQ32

ROCKY MOUNTAIN OQ34

GOLDEN GATE OQ37

JASMINE WHITE OQ27

ML-009_CT-001-DA

KODIAK OQ21

ASPEN GREY OQ20

WHITE SAND NQ97

ALMONDINE NQ36

EQUINOX OQ23

AVENUE WHITE OQ01
Also stocked in Leather finish

ALPINE WINTER OQ19

RIVERBANK NQ93

CONCRETE LOOK

Concrete features organic natural looks, bustling with city style and sophistication. Add an urban chic feel with looks that closely mimic the essence of poured concrete, while the smooth matte finish adds a touch of refinement.

Made in the USA with imported material.

ML-009_CT-001-DA

ML 009_CT 001-DA

LINCOLN WHITE NQ59

ASH GREY NQ69
Also stocked in Honed finish

CABRINI GREY NQ51

MERCER GREY NQ52

LUDLOW TAN NQ55

COLUMBUS BROWN NQ56

CONCRETE GREY NQ87

MONOCHROMATIC LOOK

Infuse your space with the raw beauty of a monochromatic look. Choose from a speckled look with flecks of character or subdued solids for a more contemporary space. From the purest white to the blackest black, the opportunities are endless.

Made in the USA with imported material.

CHIPPED ICE NQ91

MORNING FROST NQ30

WOVEN WOOL NQ09

SIMPLY WHITE NQ76
ONE Quartz Basics

SIMPLY GREY OQ30
ONE Quartz Basics

SIMPLY BEIGE OQ29
ONE Quartz Basics

ML-009_CT-001-DA

WHITE ICE NQ90

FRESH LINENS NQ66

EVENING GREY NQ43

BRUSHED FLANNEL NQ60

MESA DUNE NQ89

METEOR SHOWER NQ25

PRODUCT **INFORMATION**

PRODUCT INFORMATION

Finishes	Actual Size		Thickness
	DOMESTIC COLORS	IMPORTED COLORS	
Polished	135-7/8" x 78-3/4" (345 cm x 200 cm)	Please reach out to local stone center for size details on all sourced products. Slab sizes vary.	1-1/4" (3 cm) & 3/4" (2 cm)

Custom slab finishes in semi-polished, honed and leather are available by special order.

Not all colors available in alternative finishes. Please contact your local slab center for availability.

			RESISTANCE						
	PRICE	STYLE	CHIPS	HEAT	STAIN	SCRATCHES	SEALING REQUIRED	MAINTENANCE	PROS
ONE QUARTZ SURFACES®	$$$	•••	•••	•••	•••	•••	NO	NO	Highly stain resistant Excellent for undermount sinks Engineered, so has consistent look Tons of colors to choose from

••• EXCELLENT
•• GOOD
• FAIR

Fifteen Year Limited Warranty, visit daltile.com for complete warranty details.♦

♦Sourced SKUS

Twenty Five Year Commercial Limited Warranty, visit daltile.com for complete warranty details.

Lifetime Residential Limited Warranty, visit daltile.com for complete warranty details.*

*Made in the U.S.A. with imported material.

MADE IN THE USA WITH IMPORTED MATERIAL.

To See Approved Colors, Please Check The Below Link:
info.nsf.org/Certified/Food/Listings.asp?Company=C0536133&Standard=051

PRODUCT **INFORMATION**

INSTALLATION

Grout Joint Recommendation	Shade Variation
Tile : 1/16"	Medium (V2)

APPLICATIONS

	Target DCOF wet	Suitable
Dry & Level – Interior Floor	N/A	
Wet & Level – Interior Floor	≥ 0.42	
Shower Floors (Residential or Light Commercial)	≥ 0.42	
Exterior Floor Applications (including pool decking & other wet areas with minimal footwear)	≥ 0.60	
Ramps & Inclines	≥ 0.65	
Walls/Backsplashes	N/A	✓
Countertops	N/A	✓
Pool Linings	N/A	

ONE Quartz Surfaces do not meet minimum coefficient of friction thresholds recommended by safety standard-setting organizations. Water, oil, grease, etc., create slippery conditions. Floor applications with exposure to these conditions require extra caution in product selection.

Quartz not suitable for exterior applications due to small resin content. The sun will etch the material.

SLAB PERFORMANCE CHARACTERISTICS

	Test Method	Average Result*
Abrasion Wear Index	ASTM C501	≥ 135
Bulk Specific Gravity	ASTM C97	≤ 2500 kg / cubic meter
Chemical Resistance	ASTM C650	Resistant to typical household cleaners
Coefficient of Thermal Expansion	ASTM C531	≤ 4.0 • 10^{-5} °C^{-1}
Flexural Strength	ASTM C880	≥ 35 MPa
Water Absorption	ASTM C97	≤ 0.10%
Scratch Resistance (Mohs Hardness)	ASTM C1895	≥ 5
Stain Resistance	ANSI Z124.6	Pass
Thermal Shock Resistance	ASTM C484	Pass – No Effect

* Custom testing results by color are available upon request.

NOTES

ONE Quartz Surfaces products are nonporous, reducing the potential for bacteria growth, resist common food stains and are stronger than natural granite.

ONE Quartz Surfaces products are virtually maintenance free.

ONE Quartz Surfaces products contain natural quartz stone providing consistent color and visual movement. A wide range of color options allow for more design freedom.

ONE Quartz Surfaces products have a durable, scratch-resistant surface.

ONE Quartz Surfaces products are heat and scorch-resistant under normal cooking conditions (use of a trivet is recommended for longer or extreme heat exposure).

Visit daltile.com/countertops-product-category/one-quartz for additional polished, semi-polished, honed and leather finish details.

Twenty-Five year limited warranty. Visit daltile.com/countertops-product-category/one-quartz or details.

Fifteen-year limited warranty on imported materials.
Visit daltile.com/countertops-product-category/one-quartz for details.

White thin-set or mortar is recommended for the lighter colors of ONE Quartz Surfaces tiles.

WARNING: This product can expose you to chemicals known to the State of California to cause cancer, including crystalline Silica (airborne particles of respirable size) in dust created if the product is dry cut/ground/polished or pulverized during fabrication/installation/removal. For more information, go to www.P65Warnings.ca.gov.

For information refer to "Factors to Consider" at daltile.com/Factors.

DIMENSIONAL **STONE**

QUARTZ TAKES ON A WHOLE NEW DIMENSION

Our Dimensional team offers complete cut to size projects imported directly to the jobsite. Brought to you by the experts at Daltile®.

FORGET ONE-SIZE-FITS-ALL.

Or shape, for that matter. Our Dimensional program offers procurement, fabrication, and delivery for any project-all executed to your specifications.

Our team will help you identify exactly what you need to bring your vision to reality. Acting as a dedicated project manager, they'll walk you through every step, from inception to completion. Ask about our quantity survey, shop drawing and cutting ticket services!

LEAVE YOUR LIMITS BEHIND.

In addition to our standard product offering, we can also match most any color pallet. The experts at Daltile won't hesitate to make sure your project takes shape with complete coordination and precision.

STEP-BY-STEP

CUSTOM CUT TO YOUR SPECS. ON YOUR TERMS.

- We provide a digital take-off to identify the project scope, which includes materials, size, quantity, and edge treatment.
- You'll receive samples and pricing - we'll also provide support during the bid process to help determine the right material for the right location.
- Then you'll review CAD-generated shop tickets for confirmation that your goals are achieved.
- Now, your stone can be fabricated, delivered on time, within sequence, and ready to install.
- Each project is reviewed by an independent Daltile inspector. They ensure that color, size, calibration, and packaging meets your requirements prior to shipment.

LET US HANDLE ALL THE DETAILS

Contact your local Daltile Architectural Representative, Sales Representative or visit daltile.com to get started.

TECHNICAL **DATA**

QUALITY QUARTZ SURFACE

Test Items	Test Methods	Result
Absorption by Weight	ASTM C97/C97M-09	0.06%
Density	ASTM C97/C97M-09	148 lbs/ft^3
Abrasion Resistance	ASTM C241/C241M-13	47
Flexural Strength	ASTM C880/C880M-09	"dry" 34.9 Mpa "wet" 37.5 Mpa
Compressive Strength	ASTM C170/C170M-14	"dry" 192 Mpa "wet" 185 Mpa
Breaking Strength	ASTM C 648-09	5100 N
Thermal Expansion	ASTM C531-00(2012)	30.9 × 10^{-6}/°C
Chemical Resistance	ASTM C650-04(2009)	Not Affected
Abrasion Wear Index	ASTM C501-84(2009)	Wear Index: 136

TECHNICAL SPECIFICATION

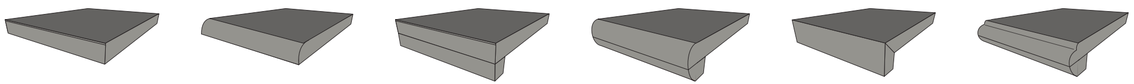
Quartz is one of nature's hardest minerals. Our surfaces are composed of 93% quartz, and are therefore designed to last.

In a unique Daltile process, we take the innate strength of quartz and combine it with numerous polymers and dashes of pigments. The result: A range of durable and beautiful quartz surfaces in a wide variety of colors and finishes.

100% Engineered Stone | **Non Porous** | **Easy to Clean** | **Low Maintenance** | **Shock Resistant** | **Stain Resistant** * | **Scratch Resistant** | **Everlasting Sheen** | **Modern Collection of Colors**

* Only West Village Series

EDGES FOR QUARTZ



EASED
Traditional Edge

DEMI BULLNOSE
Added Movement

LAMINATED
Economically Bold

BULLNOSE LAMINATED
Safe and Modern

MITERED
Seamless Depth

OGEE LAMINATED
Elegance in Curves

ONE **QUARTZ®** FAQ

QUARTZ IS A VERSATILE, DURABLE MATERIAL THAT'S AVAILABLE IN A WIDE RANGE OF COLORS AND STYLES. Also known as engineered stone, quartz is made from a combination of resin and natural quartz crystals. The natural crystals in quartz countertops make each surface unique, while resin gives the material its durability and resistance to everyday wear and tear. Because quartz is a man-made product, this material can be tinted and shaped in a wide variety of ways. Unique colors, edge treatments, inlays and other style accents add to the aesthetic appeal of this product.

In general, engineered stone is less expensive than naturally sourced materials after installation, sealing and maintenance are considered. The exceptional strength, durability and aesthetic appeal of quartz make this product a popular alternative to granite, a stone known for its lasting beauty. In addition, quartz is remarkably easy to maintain.

IS QUARTZ A SAFE COUNTERTOP MATERIAL?

Quartz, or engineered stone, is highly resistant to the routine wear and tear of daily life. Because quartz is made from a tough combination of natural crystals and resin, this product is very durable and long lasting. Quartz is a safe material for bathroom, kitchen or office countertops, but standard precautions must be taken to protect this man-made material from damage and prevent fading of your quartz countertop colors.

Although quartz countertops are resistant to scratches, dents, scuffs, burns and stains, these surfaces can be damaged when exposed to heat or to certain chemicals or tools. Gentle cleaning with a mild detergent and water is all that's required to maintain these surfaces. To keep your quartz countertops safe from damage, take care not to expose them to harsh chemicals, permanent dyes or inks, abrasive cleansers, direct heat or knives and other metal tools.

WHAT COLORS DO QUARTZ COUNTERTOPS COME IN?

Quartz countertops come in a broad spectrum of colors and patterns, from cool pastels to rich, dark tones. Quartz is a man-made material that combines the strength and durability of resin with distinctive of natural quartz crystals. This material can be tinted in a nearly unlimited range of shades to match any interior color scheme. Whether you're decorating a kitchen in warm earth tones or remodeling a bathroom with pink and white surfaces, you can find a shade that complements your decor and any living space.

QUARTZ COLORS AND TREATMENTS

Quartz is an extremely versatile material, which can be tinted, treated or shaped to accommodate almost any homeowner's tastes. When you're shopping for quartz countertops, choosing the perfect color may be challenging. With so many different shades to choose from, it can be difficult to make a decision with confidence. A knowledgeable provider should be able to help you with this stage of the process by giving you a comprehensive overview of your choices and making suggestions for shades that will complement your design.

When it comes to designing a quartz countertop, you aren't limited to traditional, squared edge treatments. There are a number of different edge treatments to choose from, with beveled or rounded styles. Inlays add a touch of elegance to a countertop surface by accenting the contours of the counter. These unique treatments take a countertop a step beyond the ordinary and give your kitchen or bathroom an extra touch of style.

CHOOSING COLORS FOR YOUR COUNTERTOPS

The color of your quartz countertops can make a big difference in the visual dimensions of your kitchen or bathroom. Light colors will create a sense of space, enlarging the room visually. If you have a small kitchen or bath, quartz countertops in white, cream, beige or gray may be preferable to darker, richer tones. In a larger kitchen or a game room, a dark gray, brown or dramatic black surface can add style and elegance to your interior.

The colors you select will affect a room's atmosphere and character. If you're decorating a professional office, a black or charcoal quartz countertop can give your decor a sense of dignity and stability. In a master bathroom, a rich gold or beige creates a look of luxury. The colors of quartz countertops may be variegated with flecks or swirls of various colors that give your countertops the natural appearance of stone.

Most manufacturers come out with new color series on a regular basis. Although the latest trends may be appealing, choose a color that will stand the test of time to get the most value.

QUARTZ IN KITCHENS AND BATHROOMS

Quartz is a non-porous material that does not require a sealant to protect the surface against dirt, moisture or germs. The polymers used to manufacture quartz make the surfaces extremely sturdy and durable. In the kitchen, quartz countertops are resistant to ordinary contact with metal, ceramic, glass or other materials commonly used in cookware. However, quartz countertops should not be scraped with metal tools. When you're cutting food, use a cutting board rather than cutting or slicing directly onto a quartz surface.

In the kitchen, protecting food from exposure to bacteria is a big concern. Quartz countertops are non-porous, meaning that these surfaces are continuous and smooth and do not have any tiny openings in the surface. Unlike wood and some forms of stone, quartz will not absorb water or other liquids. Bacteria have no place to grow on a quartz surface, as long as it's wiped clean after preparing food. Use a cutting board made of marble or another non porous material to avoid scratching your countertops.

Germs tend to collect in bathrooms as well as kitchens. The moisture and warmth that gather in the bathroom make it a breeding ground for bacteria, mold and mildew. A sink or vanity topped with quartz offers protection against bacterial growth as well as longevity and beauty. With regular cleaning, quartz countertops keep bathrooms sanitary by discouraging the growth of bacteria, mold and mildew. When cleaning quartz countertops, do not use bleach or other harsh or abrasive cleansers. Bleach may discolor or damage a quartz counter.

ONE **QUARTZ®** FAQ

FINAL CONSIDERATIONS

When you're shopping for quartz countertops, you'll soon find that you have many choices in style and color. Because quartz countertops are man-made, this material can be manufactured in nearly any color. You can choose from a wide range of countertop edge treatments, from traditional rounded or cornered styles to more dramatic looks.

The cost and performance of quartz countertops increases their appeal to homeowners who are looking for resilience and aesthetic value at a competitive price to other alternatives. As you search for quartz countertops, look for a reliable provider with a reputation for quality craftsmanship. Because the supplier you choose may also install the product, it's important to review the quality of the company's labor as well as the quality of its products before you make this important investment.

WHAT MAINTENANCE IS REQUIRED FOR QUARTZ COUNTERTOPS?

Low maintenance requirements make quartz countertops appealing to many homeowners. Quartz countertops are manufactured with a combination of hard quartz crystals and durable resin polymers that make them extremely resilient. In addition, the leading manufacturers provide a 10 to 15 year limited warranty that covers manufacturer's defects. Routine care and cleaning is very simple, and with basic precautions to prevent stains, dents or scratches, safe quartz countertops can lend beauty and a sense of permanence to a home for decades.

Manufacturer's warranties will not cover damages caused by the owner's use of the product unless damage is linked to an error made by the company. Your quartz countertops must be installed by a professional contractor in order to be covered by the warranty, in most cases. Follow the manufacturer's specific recommendations for maintaining your new countertops to get the maximum value from this investment.

ROUTINE CARE AND CLEANING

With the right care, quartz countertops can lend aesthetic appeal to your kitchen, bathroom or office for years. Quartz can be cleaned easily with a mild detergent, water and a soft cloth or paper towel. Abrasive cleansers or harsh scouring pads and cleansers that contain bleach should not be used with quartz. Engineered stone surfaces do not require polishing to keep them shiny and smooth, but they should be cleaned gently to maintain their distinctive shine.

A rounded plastic knife should be used to remove dried foods or liquids on a quartz surface. Dried paint or grease can be gently scraped away with a plastic knife. Avoid using metal knives and utensils directly on the countertop, as metal may scratch the quartz.

Grease from cooking is a concern in many kitchens. To remove grease from your quartz countertops, use a product recommended by your manufacturer. Harsh cleansers should not be used to remove grease or other cooking stains. Gently scrape away hardened grease with a plastic knife before applying cleanser.

PREVENTING STAINS AND SCRATCHES

While quartz countertops are resistant to scratches, scuffs, dents, stains and burns, these surfaces are not damage-proof. Homeowners must take care to avoid exposing quartz countertops to permanent inks, markers or dyes, as these substances may not be removable. If a countertop is marked by a permanent marker or dye, rinse the area with water as soon as possible, then apply a cleansing product approved by the manufacturer if the stain is still visible. Clean the area again with water after applying the cleanser.

Turpentine and other paint stripping products may damage or discolor a quartz surface. To be on the safe side, avoid exposing quartz to any strong chemicals or solvents unless your manufacturer recommends them for use in removing stubborn stains or hardened grease. If exposure to a potentially harmful chemical solvent occurs, clean the area with water immediately.

Quartz countertops can be damaged by direct exposure to heat. When cooking, use trivets or heating pads to guard the countertop surface against direct exposure to hot cookware or coffee pots. Although quartz is resistant to stains from juice, wine, coffee and other food substances, it is best to wipe up spills immediately to prevent possible stains. When chopping vegetables, slicing bread or preparing other foods with sharp utensils, use a cutting board to prevent scratches.

Very little maintenance is required for quartz countertops. This engineered product does not require sealants, and its non-porous surface makes it a durable, sanitary option for kitchens or bathrooms. To ensure that you get the most life from your countertops and that your warranty covers any unexpected damages, follow the manufacturer's instructions for care and quartz countertop maintenance.

PROTECTING QUARTZ SURFACES

Quartz countertops can stand up to a lot of wear and tear, but they shouldn't be exposed to excessive impact or harsh chemicals. In the kitchen, use hot pads or trivets on your countertops to prevent hot skillets or pots from making contact with quartz surfaces. In the bathroom, curling irons and other heated appliances shouldn't be left sitting on sinks or vanities.

Although quartz is non porous and resists stains, liquid spills should be wiped up promptly. Coffee, wine, vinegar, lemon juice and other liquids should not be allowed to sit on a quartz countertop for long periods of time. If permanent dye or ink is spilled on the counter, rinse the area promptly with water, then use a cleanser approved by the manufacturer for removing permanent stains. If you need to scrape dried food or paint or hardened grease off a quartz countertop, use a rounded plastic utensil, like a putty knife.

To get the maximum use from this investment, choose quartz countertops that are covered by a warranty. A manufacturer's warranty will replace or repair a countertop if it shows evidence of a manufacturer's defect. With a reliable warranty and proper care, quartz is a safe countertop material.

PHOTOGRAPHY INDEX

COVER PHOTO

Independence Calacatta on the countertop.

PAGES 3-4 (LEFT TO RIGHT)

West Village Series Broadway Black on the countertop.

West Village Series Astor Grey on the countertop & backsplash.

West Village Series Barclay Tan on the countertop.

PAGE 5-6 (LEFT TO RIGHT)

Noble Grey on the countertop.

Patriotic Calacatta on the countertop.

PAGE 11-12 (LEFT TO RIGHT)

Avenue White on the countertop.

Valor White on the counter and backsplash.

PAGE 17-18 (LEFT TO RIGHT)

Carrara Aura on the bottom counter block.

Broadway Black on the top counter block.

PAGES 21-22 (LEFT TO RIGHT)

White Ice on the countertop.

Chipped Ice on the countertop.

Daltile | 7834 C.F. Hawn Freeway | Dallas, Texas 75217 | 214.398.1411 | 800.933.TILE
To view the complete collection of Daltile® products and information, visit our website at **daltile.com.**
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Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-009_CT-001-JG

Real Living Decor Package

Issue Date: Nov 23, 2022
Revision Date:

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	JG Edelen
Model	EHS-836
Dimensions	Refer to Design Guideline Drawings
Color	Goldfield
Finish	Polished Straight Edge
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Finish	Polished Straight Edge
Notes	Refer to drawings for edge profile Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

Label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

AREAS

Hub
On Us
Buffet

ALTERNATE MANUFACTURER 2

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 3

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 4

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

Flex
Fitness Center
Employee Areas
Public Restrooms
Hydration Station

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-009_CT-001-MG

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Mgroup
Model	UltraCera
Dimensions	2cm
Color	Kachine Peak - 3007
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Notes	Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 2

Vendor Name: Belstone

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 3

Vendor Name: Designer Tile & Stone
Contact Name: Timi Mustapha
Phone: 301.325.1981
Email: timi@designertilestone.com

ALTERNATE MANUFACTURER 4

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

Public Restrooms
Elevator Lobby
Hydration Station

KACHINA PEAK- 30(

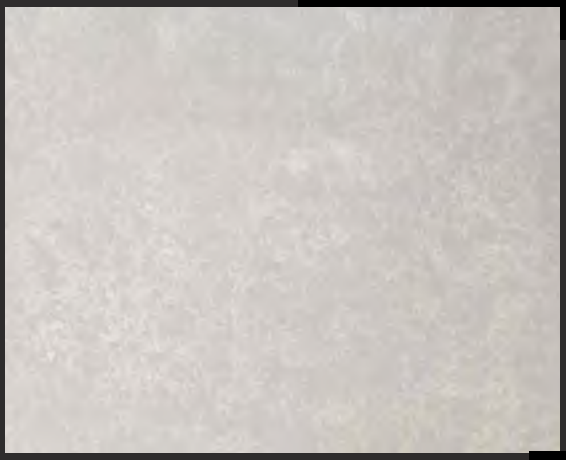
GROUP

ULTRACERA®
NextGeneration Composite Ecosurface

TECHNICAL SPECIFICATIOI

COMPRESSIVE STRENGTH (DRY): (ASTM C17(17) 256 Mp
DENSITY: (ASTM C9 18 2400) kg/m
WATER ABSORPTION: (ASTM C9 18) 0.03
THICKNESS: Standard 2cm or 3cm. Custom Availab
ABRASION RESISTANCE: (ASTM C241-15) 4
MOHS HARDNESS: (EN 15771) Averages
STAIN RESISTANCE: (ANSI Z124.6-07) Pa
CHEMICAL RESISTANCE: (ASTM C650) Not Affecte
FLEXURAL STRENGTH (DRY): (ASTM C88(14) 48.5Mp
THERMAL SHOCK RESISTANCE: (ASTM C484) No Defe
MODULUS OF RUPTURE: (ASTM C99) 3
FINISH: Polished Standard (level 6000 availabl
EDGE: Eased Standard—Fully Customizable Fabricatic
FIRE RATING: (ASTM E84) Class

KACHINA PEA



*SAMPLE IMAGE FOR REFERENCE ONL

APPLICATIO

Vanity Top
Kitchen Top
Window S
Desk Top
Dresser Top
Threshol
Wall Claddir

NOTI

Patent Pendir
0% Acrylic Solid Surfac
Non-Silica Based Produ
For More Information On What UltraCera® Is, And What It Is Not: Please Visit UltraCeraTops.co
Herein Are Subject To Change Without Notice Due To Constant Product And Engineering Improvement

MGROUP
MSHOWER MSTONE MTERIORS Gainwell International QUIETLOK ULTRACERA

MERIDIEN HOUSE | 203 NORTH LEWIS STREET| LAGRANGE, GA 30240 US

ULTRACERA®
NextGeneration Composite Ecosurface

REV. DATE 03-06-202

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-009_CT-001-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Wilsonart International, Inc.
Model	Q4007
Dimensions	3/4" Thick
Color	Duomo
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Fire/Smoke Rating	ASTM E84 Class 1 (NFPA Class A) FS-25 or less.
Structural Performance	Mohs Hardness Scale: 6 to 6.5. Density: Not less than 2 g/cm3 when tested per ASTM C97.
Thermal Performance	Thermal shock: Pass 5 cycles, tested per ASTM C484.
Best Practices	UL Greenguard certified
Quality Standards	NSF/ANSI 51 Certified. Stain resistance: Passes ANSI Z124.6. Water absorption: Maximum 0.04 percent, tested per ASTM C97. Chemical resistance: Not Affected when tested per ASTM C650.
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	N
Thickness	3/4"
Finish	Polished
Warranty	One (1) year minimum warranty against defects in materials and workmanship. Commercial Lifetime warranty
Notes	Refer to drawings for edge profile. Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date: **Nov 23, 2022**

1981; timi@designertilestone.com;
www.designertilestone.com

SPECIAL INSTRUCTIONS

Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2'-0" apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

ALTERNATE MANUFACTURER 3

Vendor Name: Designer Tile & Stone
Contact Name: Timi Mustapha
Phone: 301.325.1981
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ALTERNATE MANUFACTURER 4

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

AREAS

Hub
On Us
Buffet
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Fitness Center
Employee Areas
Public Restrooms
Elevator Lobby
Hydration Station

TECHNICAL DATA
Wilsonart® Quartz

Wilsonart
2501 Wilsonart Drive
P.O. Box 6110
Temple, TX 76503-6110

1. Distributor

Wilsonart LLC
2501 Wilsonart Drive
P.O. Box 6110
Temple, Texas 76503-6110
Toll-Free: 800-433-3222
Website: www.wilsonart.com

2. Product Descriptions

Product Composition

Wilsonart® Quartz is manufactured with up to 93 percent high quality natural quartz crystals, high quality polyester binders, and proprietary coloring agents that are homogeneous, with uniform color throughout their thickness.

Basic Limitations

Wilsonart® Quartz is designed for interior use only, ideal for residential and commercial applications. Wilsonart Quartz is a solid, non-porous, highly durable surface and resistant to scratching, staining, and water absorption and is virtually maintenance free.

Fabrication

Refer to the Wilsonart Quartz Fabrication Manual or contact a Wilsonart® Quartz Fabricator or Distributor for details.

Colors and Finishes

Wilsonart® Quartz has created a wide array of colors. Wilsonart Quartz is available in a polished finish.
Glossometer reading: >45

Sheet Dimensions:

	Wilsonart® Quartz Standard Size
Available Sizes	120” (306 cm) x 55” (140 cm), 120” (306 cm) x 63” (160 cm), 126” (320 cm) x 63” (160 cm), 130” (330 cm) x 65” (166 cm)
Thickness	Product Type 062 = 0.79" (2 cm) ± 0.060"(0.15 cm)
Thickness	Product Type 063 = 1.18" (3 cm) ± 0.060"(0.15 cm)
Approximate Weight	Product Type 062 = 10 lbs./ft^2 (2 cm)
Approximate Weight	Product Type 063 = 15 lbs./ft^2 (3 cm)

* Please consult Wilsonart® Quartz Design Library on www.wilsonart.com for available slab sizes by pattern

Physical Properties

Test Description	**Typical Results**	**Test**
Flexural Strength (psi)	>6,000	ASTM D 790
	31 - 75	EN14617-2
Thermal Expansion Coefficient	16 x 10^{-6} - 20.8 x 10^{-6*}	EN14617-11
Impact Resistance	3.4 – 7.35	EN14617-9
Stain Resistance	No Effect	EN14617-10
High Temperature Heat Resistance	No Effect to Slight Effect	ISO 4586
Chemical Resistance (acids and bases)	C4	EN14617-10
Abrasion Resistance	>100	ASTM C501
	23.6 – 27.5	EN14617-4

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Density (g/cm^3)	>2.1	ASTM C97
Compressive Strength (One Axis – Dry) (psi)	>20,000	ASTM C170
Moisture Absorption	<0.03	ASTM C97
	<0.03	EN14617-1
Freeze and Thaw Resistance	0.999	EN14617-5
Fire Behavior	Class 1/A Rating	ASTM E 84

**Test results vary slightly depending on pattern.*
The information contained in this section is based on technical data which Wilsonart LLC believes to be reliable, and is intended for use by persons having knowledge of this technical area at their own discretion.

Certifications
Wilsonart® Quartz is UL GREENGUARD Standard and Gold Standard Certified for low chemical emissions.
NSF 51 Food Zone and FDA food contact compliant.
Wilsonart Quartz is Kosher certified under the Kashruth Division of the Orthodox Union.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Quartz per ISO 4586-2 Method 31 (B)
No effect was exhibited except as noted (* or **) on the following:

1. Beckart Environmental (Stabilized Chlorine Dioxide Mixed with Water at 3000ppm)
2. Benefect® *
3. Claire® Germicidal Cleaner (Country Fresh Scent) **
4. Claire® Disinfectant Spray Q (Country Fresh Scent) **
5. Clean Republic – All Purpose Everyday Cleaner (Hypochlorous Acid – 0.003% Solution)
6. Clorox® Anywhere® Hard Surface Sanitizing Spray *
7. Clorox® Clean-Up (Cleaner & Bleach)
8. Clorox® Disinfecting Bleach w/6% Sodium Hypochlorite (24:1/Water:Bleach)
9. Clorox® Disinfecting Spray
10. Clorox® Disinfecting Wipes
11. Clorox Healthcare® Bleach Germicidal Cleaner *
12. Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant *
13. Clorox Healthcare® Fuzion® Cleaner Disinfectant *
14. Clorox Healthcare® VersaSure® Cleaner Disinfectant Wipes
15. Clorox® Total 360 Disinfectant Cleaner
16. Diversey™ Expose® II 256 *
17. Diversey™ Oxivir 1 *
18. Diversey™ Oxivir Tb Wipes *
19. Diversey™ Stride® Floral Neutral Cleaner
20. Diversey™ Virex® II 256 *
21. Fabuloso® Complete (Multi-Purpose Cleaner)
22. Lysol® Professional Disinfectant Spray
23. Microban® 24 Hour (Multi-Purpose Cleaner)
24. PDI Sani-Prime® Germicidal Spray
25. PDI Super Sani-Cloth® Germicidal Disposable Wipes
26. PURELL® Advanced Hand Sanitizer Gel *
27. Purell® Food Service Surface Sanitizer *
28. Purell® Professional Surface Disinfectant *
29. Purell® Healthcare Surface Disinfectant *
30. Simple Green® Concentrated (All-Purpose Cleaner)
31. Spic and Span® Everyday (Antibacterial Cleaner)

Test procedure: Listed materials were placed in contact with Wilsonart® Quartz surface under 1" (25.4mm) diameter watch cover glass for 16 hours duration prior to evaluation for effect. The branded cleaners and sanitizers listed above were cleaned with water only.

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* Causes slight change of gloss or color.
** Causes slight damage, with degree of damage proportionate to length of exposure and concentration.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Quartz per BIFMA HCF 8.1-2014 (Section 6 / Modified)
No effect was exhibited except as noted (* or **) on the following:

1. Beckart Environmental, Inc. (Stabilized Chlorine Dioxide Mixed with Water at 3000ppm)
2. Benefect®
3. Claire® Germicidal Cleaner (Country Fresh Scent)
4. Claire® Disinfectant Spray Q (Country Fresh Scent)
5. Clean Republic – All Purpose Everyday Cleaner (Hypochlorous Acid – 0.003% Solution)
6. Clorox® Anywhere® Hard Surface Sanitizing Spray
7. Clorox® Clean-Up (Cleaner & Bleach)
8. Clorox® Disinfecting Bleach w/6% Sodium Hypochlorite (24:1/Water:Bleach)
9. Clorox® Disinfecting Spray
10. Clorox® Disinfecting Wipes
11. Clorox Healthcare® Bleach Germicidal Cleaner
12. Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant *
13. Clorox Healthcare® Fuzion® Cleaner Disinfectant
14. Clorox Healthcare® VersaSure® Cleaner Disinfectant Wipes
15. Clorox® Total 360 Disinfectant Cleaner
16. Diversey™ Expose II 256
17. Diversey™ Oxivir 1 *
18. Diversey™ Stride® Floral Neutral Cleaner
19. Diversey™ Tb Wipes *
20. Diversey™ Virex II 256
21. Fabuloso® Complete (Multi-Purpose Cleaner)
22. Lysol® Professional Disinfectant Spray
23. Microban® 24 Hour (Multi-Purpose Cleaner)
24. PDI Sani-Prime® Germicidal Spray
25. PDI Super Sani-Cloth® Germicidal Disposable Wipes
26. PURELL® Advanced Hand Sanitizer Gel
27. Purell® Food Service Surface Sanitizer
28. Purell® Professional Surface Disinfectant
29. Purell® Healthcare Surface Disinfectant
30. Simple Green® Concentrated (All-Purpose Cleaner)
31. Spic and Span® Everyday (Antibacterial Cleaner)

Test procedure: Listed reagent materials were placed in contact with Wilsonart® Quartz surface with a one-inch square 100% cotton cloth completely saturated and covered with a 2” (50.8mm) diameter watch cover glass for 15 minute duration. The reagents listed above were removed with clean cloth and the area was then cleaned with clean cloth and distilled water only. The surface area was allowed to dry for 1-hour prior to evaluation for effect.
* Causes slight change of gloss or color.
** Causes slight damage, with degree of damage proportionate to length of exposure and concentration.

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3. Care and Maintenance

4. Warranty

5. **Customer Service**
   For samples, literature, questions, technical assistance, or warranty information, please contact our toll-free Hotline at (800) 433-3222, Monday through Friday, 8 am – 5 pm CST, or visit our website at www.wilsonart.com.

Quartz Tech Data
Revised: July 9, 2020
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Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-009_LA-001-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Plastic Laminate
Item Type	Type 107 General Purpose (HGS) Laminate
Description	General purpose laminate product
Manufacturer	Wilsonart
Model	#15504-31
Dimensions	0.045" Plus Minus 0.005" Thickness, Standard Sheet Widths 36", 48", 60" x Standard Sheet Lengths 96", 120", 144"
Color	Charcoal
Finish	31 Traceless
Material Composition	Melamine impregnated deccorative surface papers combined with fire retardant phenolic treated kraft paper
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI 3. A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Charcoal 15504-31
Warranty	1 Year
Notes	Recommended substrates for laminates are Particleboard, Medium Density Fiberboard (MDF) or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates. Refer to Design Guide Project Master, Section 12 32 16 for Casework and 12 36 23 for Countertops.

SPECIAL INSTRUCTIONS

All substrates should be sanded smooth, and should be clean and free of oil or grease, and uniform in thickness.

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

AREAS

Welcome Desk
On Us
Buffet

ALTERNATE MANUFACTURER 2	Flex Fitness Center Employee Areas Elevator Lobby Entrance Vestibule
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

TECHNICAL DATA
Wilsonart® Laminate
Basic Types 107, 335, 350

Wilsonart®
ENGINEERED SURFACES

2501 Wilsonart Dr
PO Box 6110
Temple, TX 76503-6110

1. Manufacturer

Wilsonart LLC
2501 Wilsonart Drive
P.O. Box 6110
Temple, Texas 76503-6110
Phone: (254) 207-7000; (800) 433-3222
Fax: (254) 207-2384
Web Site: www.wilsonart.com

2. Product Description

Recommended Uses

Wilsonart® Laminate, types 107, 335, and 350, is suitable for use on fine quality residential and contract furniture, fixtures and casework, and also for architectural application on columns, wainscoting, valances, cornices, interior doors and divider systems.

- **General Purpose (HGS) Type 107** is most frequently used for work surfaces on counters, islands, vanities, desks and tables. Typical vertical uses include surfacing for wall panels, teller cages and the front panels of workstations, such as those in hospitals, airports and restaurants. Type 107 is produced for both horizontal and vertical interior applications where the surface must be functional, durable and decorative.
- **Vertical Surface (VGP) Type 335** is the usual choice to surface cabinet walls, doors and drawer panels. It often appears on the vertical surfaces of desks, restaurants booths and maître d' stations, and as architectural cladding. Type 335 is intended for vertical applications where a functional, durable, decorative surface must absorb somewhat less impact than a comparable horizontal surface. VGP surfaces may be postformed to achieve radius edges.
- **Postforming (HGP) Type 350** adds the decorative capability of a soft edge to any typical laminate use. Common applications of post forming laminates are formed edges for counters, desktops, cabinet doors and drawer panels. Type 350 is intended for use on vertical and horizontal interior surfaces where it is necessary or desirable to roll the laminate on a simple radius over the edge of the substrate. This eliminates seams and leaves an attractive surface.

Product Composition

Decorative surface papers impregnated with melamine resins are pressed over Kraft paper core sheets impregnated with phenolic resin. These sheets are then bonded at pressures greater than 1000 pounds per square inch at temperatures approaching 300°F (149°C). Finished sheets are trimmed, and the backs are sanded to facilitate bonding.

Basic Limitations

Wilsonart Laminate is for interior use only and is not recommended for direct application to plaster, concrete walls, or gypsum wallboard. It is not structural material and must be bonded to a suitable substrate.

Do not subject Wilsonart Laminate to extremes in humidity, temperatures higher than 275°F (135°C) for substantial periods of time, or intense, continuous, direct sunlight.

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Patterns & Colors
Available in the full range of Wilsonart solid colors, stones, marbles, woodgrains, leathers and patterns. See all patterns and colors at www.wilsonart.com. Please see actual sample before specifying.

Finishes – Confirm finish availability on individual designs by going to www.wilsonart.com

- #01 High Gloss - Premium
  A mirror sheen finish, which gives a smooth, brilliant appearance. #01-High Gloss finish also features AEON™™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and can be used for horizontal applications such as countertops and light-to-medium commercial applications. Excellent for vertical applications and carries a premium upcharge.
  Nominal Glossometer Reading = 110
- #07 Textured Gloss - Premium
  A fine textured finish with a sheen level indicative of a waxed wood, polished stone, or other moderately reflective materials. #07 finish features AEON™™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 42
- #12 SoftGrain - Premium
  A dense wood grain structure that is low gloss and soft to the touch. Subtle highlights of reflectivity randomly occur within the embossed grains, creating a sophisticated raw wood look. #12 finish features AEON™™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 8
- #16 Casual Rustic - Premium
  A woodgrain texture with a blend of grain variations ranging from linear to subtle movement with random, irregular features. The overall low gloss surface is accented with higher sheen woodgrain ticking and random highlights. #16 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 6
- #18 Linearity - Premium
  A directional texture running the length of the sheet, having a narrow, random and matte-gloss linear quality. It is complementary to linear wood-grains, and linear patterns (such as the “Satin” series), and provides dimension and visual movement to solid colors. #18 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 18
- #19 Leno Weave – Premium
  Random intersecting horizontal and vertical lines create a geometric weave with a matte-gloss finish. Recommended for horizontal and vertical applications. #19 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 15
- #21 Soft Silk – Premium
  A smooth, ultra-matte finish with a silky, soft touch. This minimalist finish gives the surface a genuine stone feel. Recommended for horizontal and vertical applications. #21 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge,
  Nominal Glossometer Reading = 8
- #22 Antique - Premium
  A mixture of varying low gloss features combined with organic movement, indicative of the surface of an aged stone or an antique metal. Recommended for horizontal and vertical

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applications. Antique features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
Nominal Glossometer Reading = 9

- #28 Gloss Line - Premium
  A linear woodgrain texture with varied widths of narrow grain structures in an alternating mix of matte and gloss surfaces areas. Recommended for horizontal and vertical applications. Gloss Line features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 5
- #35 Mirage-Ultra Premium
  Subtle variations in matte and gloss finish connect to nature's own finishes: rough and weathered, smooth and polished. Wilsonart HD premium pricing. Recommended for horizontal and vertical applications.
  Nominal Gloss Reading = 50
- #38 Fine Velvet Texture
  A smooth textured finish with moderate reflective value.
  Nominal Glossometer Reading = 14
- #52 Quarry - Premium
  Premium finish emulating the "pitted" look of polished natural stone. Recommended for horizontal and vertical applications. #52 features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 55
- #55 Glaze-Ultra Premium
  A layering of matte features over a semi-gloss glaze, creates this timeworn effect. Wilsonart HD premium pricing. Recommended for horizontal and vertical application.
  Nominal Gloss Reading = 25
- #57 Aligned Oak – HD Premium
  Authentic realism is brought to the surfaces using synchronized texture as each elegantly aged oak design exhibits the natural dimension and feel or real world. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 7
- #60 Matte
  Textured finish with a moderate reflective quality. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 10
- #78 FineGrain - Premium
  The FineGrain premium finish features the polish and luxe of a real wood veneer, with a subtle, narrow grain structure that runs the length of the sheet. #78 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium.
  Nominal Glossometer Reading = 38

NOTE: Nominal Glossometer readings are made at a 60° angle of incidence.

Finish Availability: Not all finishes are available in all patterns and colors. Some finish options have limited size availability. Please check with your Wilsonart representative or consult the pattern availability lookup on our website at www.wilsonart.com, to verify size availability by finish type.

Standard Sheet Widths

36"	48"	60"
914mm	1219mm	1524mm

Standard Sheet Lengths

96"	120"	144"
2438mm	3048mm	3658mm

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NOTE: Not all sizes are available from stock; contact your Wilsonart representative for details on local availability. Minimums apply to non-standard designs and finishes in sizes other than 48"x96" and 60"x144". Please check with your Wilsonart representative.

Thickness and Weight

Description	107	335	350
Thickness	0.045" ± 0.005" (1.14mm ± 0.13mm)	0.028" + 0.001 - 0.004" (0.71mm + 0.03 - 0.10mm)	0.036" ± 0.005" (0.91mm ± 0.13mm)
Weight per square foot	0.322#	0.186#	0.260#

3. Technical Data

Physical Properties of General Purpose Laminates

ISO 4586 Test	Typical Wilsonart Type 107	ISO 4586-3 HGS
Thickness	**0.045" ± 0.005" (1.14mm ± 0.13mm)**	N/A
Appearance	**N/A**	N/A
Light Resistance	**Slight effect**	Slight Effect
Cleanability (cycles)	**10**	10
Stain Resistance Reagents 1-10 Reagents 11-15	 **No effect** **Slight effect**	 No effect Moderate effect
Boiling Water Resistance	**Slight Effect (Gloss)** **No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
High Temperature Resistance	**Slight effect**	Slight Effect (Gloss) No Effect (Other Finishes)
Impact Resistance	**65" (1651mm)**	31.5" (800mm)
Radiant Heat Resistance	**210 seconds**	≥ 200 sec.
Dimensional Stability Machine Direction Cross Direction	 **0.3%** **0.7%**	 1.1% (max.) 1.4% (max.)
Surface Wear Resistance (cycles)	**Meets or Exceeds 400**	350 (min.)
Formability	**Not applicable**	Not applicable
Blistering	**Not applicable**	Not applicable

Physical Properties of Vertical Surface Laminates

ISO 4586 Test	Typical Wilsonart Type 335	ISO 4586-3 VGP
Thickness	**0.028" + 0.001 - 0.004" (0.7mm + 0.03 - 0.10mm)**	N/A
Appearance	**N/A**	N/A
Light Resistance	**Slight effect**	Slight effect
Cleanability (cycles)	**10**	20 (max.)
Stain Resistance Reagents 1-10 Reagents 11-15	 **No effect** **Slight effect**	 No effect Moderate effect

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Boiling Water Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
High Temperature Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
Impact Resistance	**40" (1016mm)**	23.5" (600mm)
Radiant Heat Resistance	**200 seconds**	≥ 200 sec.
Dimensional Stability Machine Direction Cross Direction	**0.5% 0.8%**	1.1% (max.) 1.4% (max.)
Surface Wear Resistance (cycles)	**Meets or Exceeds 400**	350 (min.)
Formability	**5/16" radius (7.93mm)**	7/16" radius (11mm) 9/16" radius(14.7mm)
Blistering	**45 seconds**	≥ 40 seconds

*Radius for face is actually the radius of the form around which the laminate is postformed. The radius for back is actually the radius to which the decorative face is postformed.

Physical Properties of Postforming Laminate

ISO 4586 Test	**Typical Wilsonart Type 350**	**ISO 4586-3 HGP**
Thickness	**0.036" ± 0.005" (0.91mm ± 0.13mm)**	0.039" ± 0.005" (1mm ± 0.12mm)
Appearance	**N/A**	N/A
Light Resistance	**Slight effect**	Slight effect
Cleanability **(cycles)**	**10**	20
Stain Resistance Reagents 1-10 Reagents 11-15	**No effect Slight effect**	No effect Moderate effect
Boiling Water Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
High Temperature Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
Impact Resistance	**55" (1397mm)**	31.5" (800mm)
Radiant Heat Resistance	**205 seconds**	≥ 200 sec.
Dimensional Stability Machine Direction Cross Direction	**0.5% 0.8%**	1.1% (max.) 1.4% (max.)
Surface Wear Resistance (cycles)	**Meets or Exceeds 400**	350 (min.)
Formability*	***5/16" face (7.93mm) *3/8" back (9.52mm)**	*9/16" face (14.27mm) *3/4" back (19.05mm)
Blistering	**65 seconds**	≥ 40 seconds

*Radius for face is actually the radius of the form around which the laminate is postformed. The radius for back is actually the radius to which the decorative face is postformed.

Typical Fire Test Data

High-pressure laminates are subject to Flame Spread and Smoke Developed standards in structures where codes establish such conditions.

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Test data to determine compliance with these codes are obtained by the Steiner Tunnel Test method of the American Society for Testing Materials (ASTM-E-84, Standard Test Method for Surface Burning Characteristics of Building Materials). Tests were conducted in accordance with test method and mounting procedure as described in paragraph X1.7.2 of the test method. This procedure is cataloged by Underwriters Laboratories, Inc. as UL 723.
Here is typical data for Wilsonart laminates, averaged from two specific tests:

Typical Flame Spread and Smoke Developed Properties

Product Type	Test Condition	Flame Spread	Smoke Developed
General Purpose Type 107	Unbonded	50	45
Vertical Surface Type 335	Unbonded	45	40
Postforming Type 350	Unbonded	60	35
General Purpose Type 107	Bonded with contact adhesive to particleboard substrate; 3/8"	40	100
Vertical Surface Type 335	Bonded with contact adhesive to particleboard substrate; 3/8"	40	155
Postforming Type 350	Bonded with contact adhesive to particleboard substrate; 3/8"	50	140

When you wish to specify decorative laminate for a Class I or A fire rating, please refer to the Fire-Rated Laminate Tech Data.

Model Code Designations used to determine flame spread classification

Flame Spread Classification (Max. Rating)	International (IBC)	Life Safety (NFPA 101)
25	A	A
75	B	B
200	C	C

RE: Architectural Woodwork Quality Standard, 8th Edition, Version 1.0, - 2003

All Model Codes regulate the generation of smoke by interior finish material. In all cases they specify a maximum smoke development rating of 450.

Codes and Certifications

General Standards
Wilsonart Laminates, types 107, 335 and 350, conform to the voluntary standards of the American National Standards Institute, for thickness, performance properties and appearance. Wilsonart Laminates 107,335 and 350 meet or exceed the International Standards Organization specifications as found in ISO 4586, titled "High-Pressure Decorative Laminate (HPDL) – Sheets Based on Thermosetting Resins – Part I: specifications."

Specific Product Standards
U.S. Federal Specification L-P 508H, April 9, 1977, "Plastic Sheets, Laminated, Decorative and Non-decorative." Spells out criteria for decorative laminates for federal installations. Wilsonart 107, 335 and 350 laminates comply.

NSF International (NSF) #35 "Laminated Plastic for Surfacing for Food Service Equipment." All solid colors and printed patterns in Basic Types 107, 335 and 350, comply.

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U.S. Federal Register, August 9, 1984, Housing and Urban Development Mobile Home Construction and Safety Standard, (24CFR) 3280.203. General Purpose Type 107 and Vertical Surface Type 335 comply.

U.S. Federal Test Method, Federal Aviation Regulation, DOT, Part 25.853, Airworthiness Standards: Transport Category Airplane (Interior Finish). Vertical Surface Type 335 and Postforming Type 350 comply with parts A and C.

U.S. Federal Motor Vehicle Safety Standard (FMVSS) 302, "Flammability of Interior Materials." Basic Types 107, 335 and 350 comply.

U.S. Military Standard MIL-P-17171E (SHIPS)/Plastic Laminate. General Purpose Type 107 complies.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Laminate
No effect was exhibited except as noted (* or **) on the following:

1. Clorox Healthcare Bleach Germicidal Cleaner *
2. Clorox Healthcare Versa Sure Cleaner Disinfectant Wipes
3. Oxivir TB
4. Oxivir 1
5. Virex II 256
6. Benefect
7. PDI Super Sani-Cloth Germicidal Disposable Wipes
8. PDI Sani-Prime Germicidal Spray
9. Expose II 256
10. Stride Floral Neutral Cleaner *
11. PURELL Advanced Instant Hand Sanitizer *

Test procedure: Listed materials were placed in contact with Wilsonart® Laminate surface under 1" (25.4mm) diameter watch cover glass for 16 hours duration prior to evaluation for effect. The branded cleaners and sanitizers listed above were cleaned with water only.

* *Causes slight change of gloss or color.*
** *Causes slight damage, with degree of damage proportionate to length of exposure and concentration.*

4. <u>Installation: Fabrication and Assembly Recommendations</u>

Fabrication should follow approved methods. Assembled pieces should meet the specifications of KCMA (Kitchen Cabinetmakers Manufacturers Association), ANSI A-161.2-1998 (revised), and "Architectural Woodwork Quality Standards, Guide Specifications and Quality Certification Program" guidelines of the Architectural Woodwork Institute where applicable.

Wilsonart laminates must be bonded to a substrate of reliable quality, such as particleboard, medium density fiberboard or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates. Basic Types laminate may not be used as structural members.

Bond with adhesives and follow the techniques recommended by the adhesive manufacturer. Recommended adhesives are permanent types, such as urea and polyvinyl acetate (PVA), and contact types. Wilsonart adhesives are recommended for most bonding conditions.

To avoid stress cracking, do not use square-cut inside corners. All inside corners should have a minimum of 1/8" (3.175mm) radius and all edges should be routed smooth.

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Drill oversized holes for screws or bolts. Screws or bolts should be slightly countersunk into the face side of a laminate-clad substrate.
Take care to ensure an appropriate acclimation between the laminate and the substrate prior to fabrication. The face and backing laminates and the substrate should be conditioned in the same environment for 48 hours before fabrication.
Recommended conditioning temperature is about 75°F (24°C). Laminates should be conditioned at 45% to 55% relative humidity.

With postforming machinery, Wilsonart 335 and 350 will postform at a nominal sheet temperature range of 325°F to 338°F (163°C to 170°C) in 20 ± 5 seconds.

Carbide-tipped saw and router blades should be used for cutting. High tool speed and low feed speed are advisable. Cutting blades should be kept sharp. Use a hold-down to prevent any vibration.

5. **Warranty**

6. **Maintenance**

7. **Technical Services**

For samples, literature, questions or technical assistance, please contact our toll-free Hotline at (800) 433-3222, Monday through Friday, 8 am – 5 pm, CST.

Specification Form:

Surface shall be Wilsonart® Laminate, produced by Wilsonart LLC, Temple, Texas 76503-6110

Type: Specify 107, 335 or 350

Surface
Color Number: _____ Color Name: _____

Finish
Number: _____ Name: _____

Edge Trim
Color Number: _____ Color Name: _____

Adhesive
Name: _____ Grade/Type: _____
Brand: Wilsonart® Adhesive

Wilsonart® Laminate Technical Data
Basic Types 107, 335, 350
Revised: September 12, 2019
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Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-009_LA-002-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Plastic Laminate
Item Type	Type 107 General Purpose (HGS) Laminate
Description	General purpose laminate product
Manufacturer	Wilsonart
Model	#7850-12
Dimensions	0.045" Plus Minus 0.005" Thickness, Standard Sheet Widths 36", 48", 60" x Standard Sheet Lengths 96", 120", 144"
Color	Beigewood
Finish	SoftGrain
Material Composition	Melamine impregnated deccorative surface papers combined with fire retardant phenolic treated kraft paper
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023 - Interior Architectural Woodwork
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Beigewood 7850-12
Warranty	1 Year
Notes	Recommended substrates for laminates are Particleboard, Medium Density Fiberboard (MDF) or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates.

SPECIAL INSTRUCTIONS

1. Run grain direction vertically unless noted otherwise.
2. PVC Edgebanding:
a. Exposed Ends: Grade VGS plastic laminate or minimum 0.030-inch thick PVC edge banding. Color to match exposed faces.
b. Semi-exposed Ends; Grade VGS plastic laminate or minimum 0.030-inch thick PVC edge banding. Color to match exposed faces.
3. Melamine at all vertical surfaces/HPL at all horizontal surfaces
4. Elevator Interior Cab: Materials shall comply with NEMA LD-3
a. Fire-Retardant Treated Particleboard Panels : Minimum ½-inch thick backup for plastic laminate veneered panels, provided with suitable anti-warp backing; to meet ASTM E84 Class “A” rating with flame-spread rating of 25 or less.

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MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-009_LA-002-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk
In-A-Pinch
Connection Center
Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Public Restrooms
Elevator Lobby
Administration
Lobby
Breakfast

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-009_LA-006-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Plastic Laminate
Item Type	Thermally Fused Laminate (TFL)
Description	Thermally Fused Melamine
Manufacturer	Wilsonart
Model	N/A
Dimensions	Standard panels are 49 and 61 inches. Standard panel lenth is 97 inches.
Color	Gray 1500-60
Finish	Matte
Material Composition	Laminate Composition: Melamine saturated decorative layers thermally fused to both core face surfaces with heat and pressure. Stain resistant surface with wear and scratch resistance.
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023 - Interior Architectural Woodwork
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Thermally Fused Laminate/1500-60 Gray
Warranty	1 Year
Notes	Panel Core Material: Composite panel product composed primarily of cellulosic materials and a bonding system, resulting in a durable and dimensionally stable substrate suitable for decorative laminate overlays. Panel core material can be particleboard or medium density fiberboard.

SPECIAL INSTRUCTIONS

All substrates should be sanded smooth, and should be clean and free of oil or grease, and uniform in thickness.

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

AREAS

Welcome Desk
Hub
On Us
Buffet
Flex

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

ALTERNATE MANUFACTURER 3	Fitness Center Employee Areas Elevator Lobby Administration Lobby
ALTERNATE MANUFACTURER 4	

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New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-009_MH-003-GR

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Concealed Hinges
Item Type	Hinges
Description	Concealed Hinges for Cabinet Doors
Manufacturer	Grass America
Model	Tiomos 110 Overlay, Half Overlay or Inset
Finish	Nickel Plated
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Screw/Nail	As recommended by Manufacturer
Finish	US15
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.
Notes	Use soft close hinges. https://tinyurl.com/2ubsjany

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Grass America
Contact Name:
Phone: 800.334.3512
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Elevator Lobby
Administration

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-009_MH-005-KV

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Shelf Supports Pins & Bussings
Item Type	Shelf Supports
Description	Shelf Supports (non-exposed 5mm)
Manufacturer	KV
Model	345
Dimensions	5/16"
Finish	Nickel Plated (NP)
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Screw/Nail	As recommended by Manufacturer
Finish	Nickel Plated (NP)
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: KV
Contact Name: Customer Service
Phone: 1(800)-253-1561
Email: customer.service@kv.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Connection Center
Hub
On Us
Buffet
Flex
Employee Areas
Elevator Lobby
Administration

Towneplace Suites by Marriott
MILLWORK
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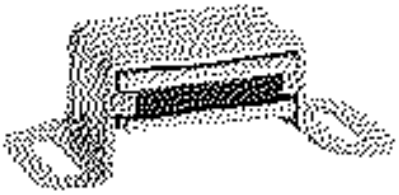
ML-009_MH-016-IV

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Millwork Hardware
Item Type	Magnetic Catch
Description	Magnetic Catch surface or mortised mounted
Manufacturer	Ives
Model	325 double pole (surface mount only), 326 dual double pole, 327 dual triple pull
Dimensions	Refer to product data sheet
Color	NA
Finish	673 Aluminum Clear Coat
Material Composition	Aluminum
CSI #	12 32 16 - Manufactured Plastic Laminate Clad Casework
Omniclass #	22-12 32 16 - Manufactured Plastic Laminate Clad Casework
Quality Standards	ANSI/BHMA A156.9



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New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-009_MH-016-IV

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Ives Hinges
Contact Name: Customer Service
Phone: (877) 860-0174
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk
Flex

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-009_MH-017-JG

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Cabinet Pulls
Item Type	Door & Drawer Edge Pull
Description	Edge Pull
Manufacturer	J.G. Edelen Company, Inc
Model	Liberty Hardware P31675-SN-C Modern Edge Collection
Dimensions	7"L x 1-5/8"W x 1"H
Finish	Satin Nickel
Material Composition	Zinc Die Cast, solid sheet aluminum construction
CSI #	12 32 16 - Manufactured Plastic Laminate Clad Casework
Omniclass #	22-12 32 16 - Manufactured Plastic Laminate Clad Casework
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk
Connection Center
Hub
Buffet
Flex
Elevator Lobby

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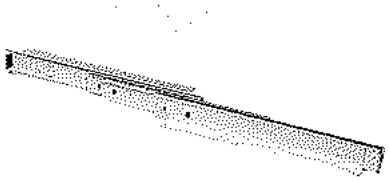
ML-009_MH-019-ACU

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:



Item Name	Millwork Hardware
Item Type	Shelf Slides
Description	Undermount Shelf Slide Non-Disconnect Over Travel
Manufacturer	Accuride
Model	301-2590
Finish	Bright electro-zinc (C)
CSI #	12 32 16 - Manufactured Plastic Laminate Clad Casework
Omniclass #	22-12 32 16 - Manufactured Plastic Laminate Clad Casework
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Accessories	#8 pan head or round head screws
Part of an Assembly	Y
Screw/Nail	As recommended by Manufacturer
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.

SPECIAL INSTRUCTIONS

At shelf slides for large drawers, verify potential loading and adjust slide type to accommodate loads.

MANUFACTURER

Vendor Name: Accuride International
Contact Name:
Phone: 562.903.0200
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk
Connection Center
Flex
Fitness Center

Accuride®

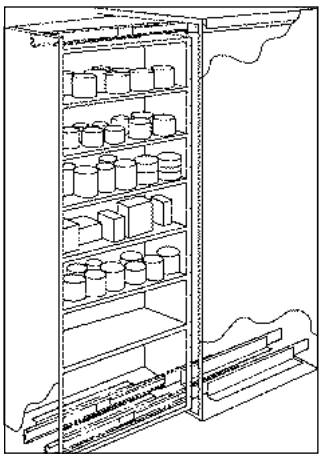
MODEL 301-2590

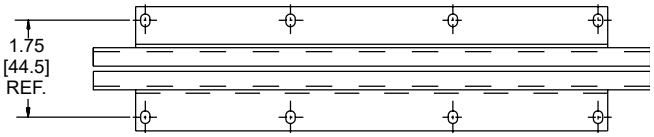
Undermount Shelf Slide
Non-Disconnect
Over Travel

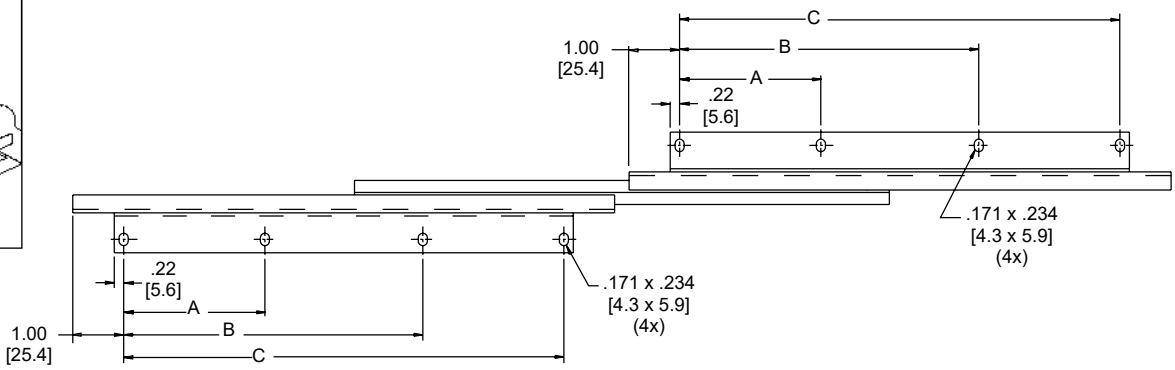
Applications: Pull-out storage shelves, kitchen pull-out pantries, and entertainment centers. Battery trays, storage bins, and generators.

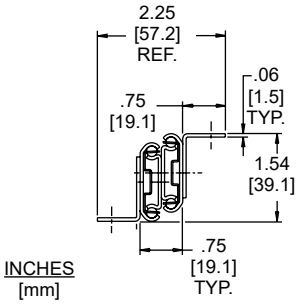
301-2590
QUICK REFERENCE

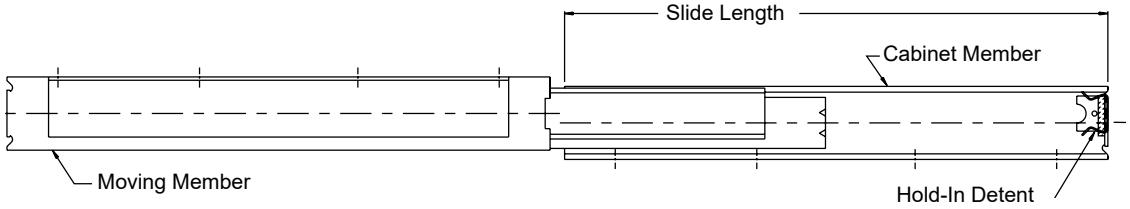
Side Space: .75" [19.1 mm] slide only
2.25" [57.2 mm] with brackets
Length: 12"–28" [305 mm–711 mm]
Overall slide dimensions: .50" x 1.62"
Load rating: Up to 155 lb. [70 kg.]*











Finish	Bright electro-zinc (C) or black zinc (CB) plating
Length	12"–28" [305 mm–711 mm]
Height	1.54" [39.1 mm]
Side Space	.75" [19.1 mm] slide only 2.25" [57.2 mm] with brackets
Load	Up to 155 lbs [70 kg]* Capacity
Travel	Slide length plus .83" [21.1 mm]
Mounting	Bracket/undermount
Hardware	#8 pan head or round head screws
Features	Hold-in detent, silenced open and closed, slide is handed

* Load rating based on a 16" wide shelf cycled 50,000 times.

Part Number	Slide Length	Slide Travel	Load Rating lb. [kg] per pair*	A	B	C
301-2590-12	12.00 [305]	12.83 [325.9]	155 [70]	4.00 [101.6]	6.00 [152.4]	10.00 [254.0]
301-2590-14	14.00 [356]	14.83 [376.7]	148 [67]	4.00 [101.6]	8.00 [203.2]	12.00 [304.8]
301-2590-16	16.00 [406]	16.83 [427.5]	140 [64]	4.00 [101.6]	10.00 [254.0]	14.00 [355.6]
301-2590-18	18.00 [457]	18.83 [478.3]	130 [59]	4.00 [101.6]	12.00 [304.8]	16.00 [406.4]
301-2590-20	20.00 [508]	20.83 [529.1]	122 [55]	7.00 [177.8]	11.00 [279.4]	18.00 [457.2]
301-2590-22	22.00 [559]	22.83 [579.9]	113 [51]	7.00 [177.8]	13.00 [330.2]	20.00 [508.0]
301-2590-24	24.00 [610]	24.83 [630.7]	104 [47]	7.00 [177.8]	15.00 [381.0]	22.00 [558.8]
301-2590-26	26.00 [660]	26.83 [681.5]	95 [43]	7.00 [177.8]	17.00 [431.8]	24.00 [609.6]
301-2590-28	28.00 [711]	28.83 [732.3]	85 [39]	7.00 [177.8]	19.00 [482.6]	26.00 [660.4]

1. Mark a line at least 1/4" [6.4 mm] in from the right side of the cabinet opening and parallel to the cabinet side.
2. Locate a point on this line 1.00" [25.4 mm] back from the desired front of the slide.
3. Using #8 pan or round head screws, mount the cabinet member bracket through the first hole at this point.

   NOTE: For maximum strength, ensure that the hold-in detent spring is installed inside the cabinet.
4. Mount the left hand slide similarly, locating the screw centerline of the cabinet member bracket at least 1/4" [6.4 mm] in from the left side of the opening.
5. Keeping the right and left hand slides parallel, install the remainder of the cabinet member screws.

   NOTE: When using soft materials such as particle board, replace rear cabinet mounting screws with through bolts.
6. With slides extended, center the shelf and drive the screws up through the moving member brackets into the bottom of the shelf.

   NOTE: If the unit is mounted too close to the floor reverse the procedure above and install the moving member screws first.

Slide Ordering Instructions

Complete your slide order for Accuride model 301-2590 by specifying the following:

20 Pair	C	301-2590	-16	D
Total Required Slides				
	Slide Finish			
		Slide Model Number		
			Slide Length	
				Optional Polybag Packaging

Packaging

Distributor (D) Pack: All lengths are packaged 5 pair per box. Polybag includes one pair of slides and mounting screws.

Bulk Pack: Slides only. Left hand slides and right hand slides are packaged in separate boxes.

Lengths 12"–18"	20 each per box
Lengths 20"–28"	10 each per box

Specifications

Slide members and ball retainers: Cold rolled steel
Ball bearings: Carburized steel

RoHS compliant

NOTE: Specifications, materials, prices, terms, and delivery are subject to change without notice.

Accuride®

ACCURIDE INTERNATIONAL INC.
12311 Shoemaker Avenue
Santa Fe Springs, CA 90670
TEL (562) 903-0200
FAX (562) 903-0208
www.accuride.com

Manufacturing, Engineering, and Sales
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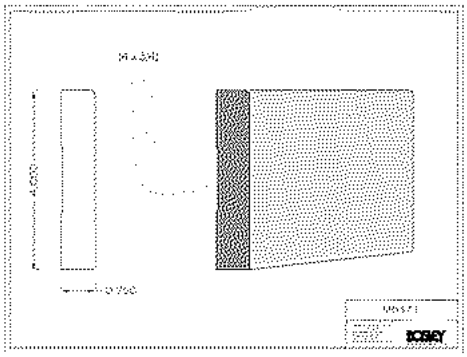
Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-009_WB-001-BM

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Wood Base
Item Type	Painted Hardwood Base
Description	Painted Hardwood Base
Manufacturer	Bosley Mouldings
Model	MB371
Dimensions	4"H x 3/4"Thick
Color	Painted SW9170 Acier
Finish	Semi-Gloss
Material Composition	Hardwood
CSI #	062000 - Finish Carpentry
Omniclass #	22-062000
Product	MB371
Finish	SW 9170, Semi-Gloss



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Bosley Moulding
Contact Name: Bosley Wright
Phone: (800) 638-5010
Email: bcbosley@comcast.net

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Connection Center
Flex
Lobby
Guest Laundry
Fitness Center

Fitness Hydration Station_ML-010

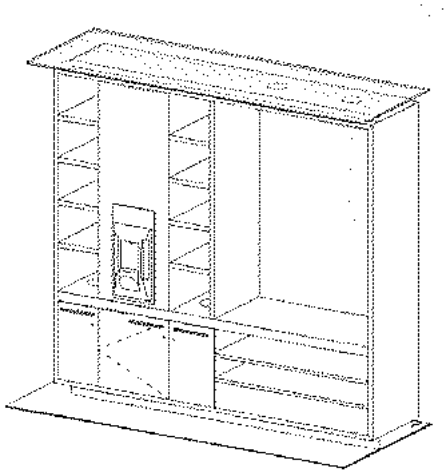
Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-010

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Hydration Station
Item Type	Fitness Millwork
Description	Plastic Laminate Clad Custom Millwork that houses trash/linen bins, hydration equipment, yoga mats and towels. Consists of cabinets, shelves and countertops.
Manufacturer	R.B. Woodcraft, J. Suss Industries; MGroup; MillRock Casework
Model	Not Applicable
Dimensions	Refer to Design Guideline Drawings
Color	Refer to Design Guideline Drawings and Building Product Manual
Finish	Refer to Design Guideline Drawings and Building Product Manual
Material Composition	Cabinet to Door Interface shall be Frameless, Flush (Full) Overlay. Grain direction to be horizontal on doors, drawer fronts, knee space panels, aprons & end panels.
CSI #	12 32 16 - Manufactured Plastic Laminate Clad Casework
Omniclass #	22-12 32 16 - Manufactured Plastic Laminate Clad Casework
Grade	Lumber shall be in accordance with the AWS Grade specified for the product being fabricated. Moisture content shall be 6% to 12% for boards up to 2-inches nominal thickness, and shall not exceed 19% for thicker pieces.
Classification	Particle Board: ANSI A208.1, Mat-Formed Particle Board, Grade 1-M-2, with minimum density of 45 pcf. Internal bond of 60 psi, and minimum screw holding capacity of 225 lb. on faces and 200 lb. on edges. Hardboard: ANSI A135.4, Class 1, tempered. E. MDF: ANSI A208.2, Grade 130.
Acoustical Performance	Door & Drawer bumpers to be placed on all cabinet doors and drawers.
Best Practices	Use products with no urea-formaldehyde resins. Use adhesives with Low VOC content.
Quality Standards	Architectural Woodwork Standards (AWS)
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	N
Design & Construction	See attached specifications. All listed millwork must be manufactured in accordance with the attached specifications.
Lighting	Not Applicable
Plastic Laminate	Refer to Specifications within Building Product Manual

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date: **Nov 23, 2022**

Millwork Hardware	Refer to Specifications within Building Product Manual
Pattern/ Color	Refer to drawings for finishes. Review and approval of finish samples required prior to manufacturing.
Fabric Wrapped Panels	Not Applicable
Lead Time	TBD
Notes	1. Public Space Casework: Interior face of exposed cabinet units shall be Thermoset Decorative Overlay (melamine), to match door fronts as shown in the Design Guideline Drawings. a. Exposed & Semi-Exposed ends: Grade VGS plastic laminate or minimum 1mm thick PVC edge banding. Color to match exposed faces. b. Interior unexposed face of units that are likely to become wet should be constructed of polyester overlaid plywood cabinet liner materials: Cabinet Liner Industrial Panel by Olympic Panel Products, LLC or approved substitution. 2. Top and Bottom Rails; and Sub-toe Boards: Not less than 3/4-inch particleboard faced with Grade VGS plastic laminate to match door and drawer fronts. Machine ends for wood-dowel or mechanical dowel fasteners to receive top, bottom, and back. Base ends to extend to floor. Finish exposed ends to match doors and doors and drawer fronts. 3. Unexposed Ends: Not less than 3/4-inch tempered hardboard; finished with Thermoset Decorative Overlay (Melamine). Attach to front frame in same manner as exposed ends. 4. Back Panels: Not less than 1/4-inch tempered hardboard or MDF; finished with Thermoset Decorative Overlay (Melamine). 5. Doors 48 Inches or Less in Height: 3/4 inch thick, Particle Board cores. Front faces to be Grade VGS plastic laminate overlay, and back faces to be Thermoset Decorative Overlay (melamine). Provide stop silencers at the top and bottom of all hinged doors. 6. Shelving (within cabinetry): Not less than 3/4" particle board with Thermoset Decorative Overlay (melamine) to match cabinet interior, PVC edge banding; adjustable at least every 1-1/2 inch; clear plastic [seismic] shelf clip pressed into 5mm holes bored in cabinet side. Fabricate base shelf to half depth. Exposed Fixed Shelving Units: Front faces to be Grade VGS plastic laminate overlay. 7. Filler Strips: Provide as needed to close spaces between cabinets and walls, ceilings, and indicated equipment. Fabricate from same material and with same finish as cabinets. Oversize for field cutting to suit field conditions and assure continuous enclosure of open spaces. Provide raw (unfinished) cleats at

blind corners and appliance openings as required to support countertops, minimum 3/4-inch x 1-1/2 inch x 8 foot length, to be field cut and fit by the installer.
8. Base Cabinet Units:
a. Base Cabinet Top Frames: 3/4-inch solid wood with mortise and tenon or doweled connections, glued and pinned or screwed. Base Cabinet Stretchers: 3/4-by-4-1/2-inch plywood, Particle Board, or MDF strips or solid-wood boards at front and back of cabinet, glued and pinned or screwed.
b. Base Cabinet Stretchers may be provided as an option to base cabinet top frames.
c. Bottoms: Not less than 1/2-inch hardwood plywood faced with Thermoset Decorative Overlay (Melamine) to match door and drawer fronts, fully supported by and secured in rabbets in end panels, front frame, and back bottom rail.
d. Corner Blocks: Glued and fastened in each of four top corners to maintain cabinet squareness and rigidity.
9. Wall Cabinet Units:
a. Tops and Bottoms: Not less than 1/2-inch hardwood plywood faced with Thermoset Decorative Overlay (Melamine) to match door and drawer fronts, fully supported by and secured in rabbets in end panels, front frame, and back rail.

SPECIAL INSTRUCTIONS

Architect / General Contractor to coordinate millwork with equipment sizes and requirements, to include hydration equipment, trash/linen bins, power/data, etc.

MANUFACTURER

Vendor Name: RB Woodcraft Inc
Contact Name: Drew Brooks
Phone: (315) 474-2429
Email: drewbrooks@rbwoodcraft.com

ALTERNATE MANUFACTURER 2

Vendor Name: J Suss Industry
Contact Name: Liane Alexander
Phone: (866) 769-5666
Email: liane@jsuss.com

ALTERNATE MANUFACTURER 3

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 4

Vendor Name: Millrock
Contact Name: Jared Jaudon

AREAS

Fitness Center

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-010

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

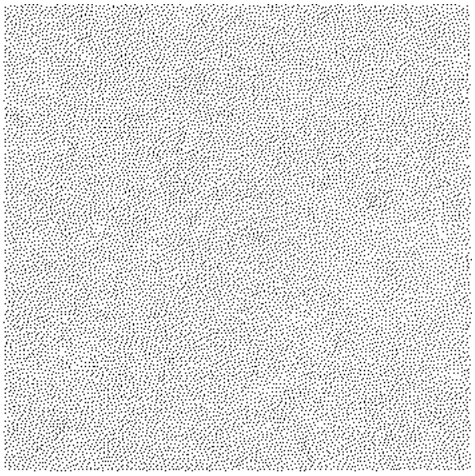
Phone: (540) 437-3458
Email: jjaudon@millrock.com

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-010_CT-001-BS

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Belstone
Model	Dodi
Dimensions	Refer to Design Guideline Drawings
Color	Demitasse
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Notes	Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 2

Vendor Name: MGroup
Contact Name: Drew Murray

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Public Restrooms

Phone: (706) 302-5590 Email: drew.murray@mgroupcorp.com	Elevator Lobby Hydration Station
ALTERNATE MANUFACTURER 3 Vendor Name: JG EDELEN CO INC Contact Name: Kelly Smith Phone: (410) 918-1200 Email: ksmith@jgedelen.com	
ALTERNATE MANUFACTURER 4 Vendor Name: Daltile Contact Name: Morgan Stephenson Phone: (214) 309-4531 Email: morgan.stephenson@daltile.com	

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-010_CT-001-DA

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Daltile
Model	One-Quartz
Dimensions	Refer to Design Guideline Drawings
Color	QQ20-Aspen Gray
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Thickness	2cm Unless Otherwise Noted. Refer to Details Eased Edge.
Notes	Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

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MANUFACTURER

Vendor Name: Daltile
Contact Name: Morgan Stephenson
Phone: (214) 309-4531
Email: morgan.stephenson@daltile.com

AREAS

Hub
On Us
Buffet

ALTERNATE MANUFACTURER 2

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 3

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 4

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

Flex
Fitness Center
Employee Areas
Public Restrooms
Hydration Station
Lobby

WALL | COUNTERTOPS

ONE QUARTZ SURFACES®

daltile®

ONE QUARTZ SURFACES®

TABLE OF CONTENTS

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21	MONOCHROMATIC LOOK
27	PRODUCT INFORMATION

SLAB

USAGE

FLOOR

WALL

COUNTERTOP

SHOWER FLOOR

EXTERIOR FLOOR

SPECIAL FEATURES

STEPWISE

TRU-EDGE

MADE IN THE U.S.A.

LARGE FORMAT

MOSAIC/ DECO

ENCAUSTIC

TERRAZZO

PAVER

CUSTOMIZE

FLEXFIT™

Q

LOW HIGH

SEE CHARTS FOR FULL PRODUCT DETAILS

*MADE IN THE USA WITH IMPORTED MATERIAL.

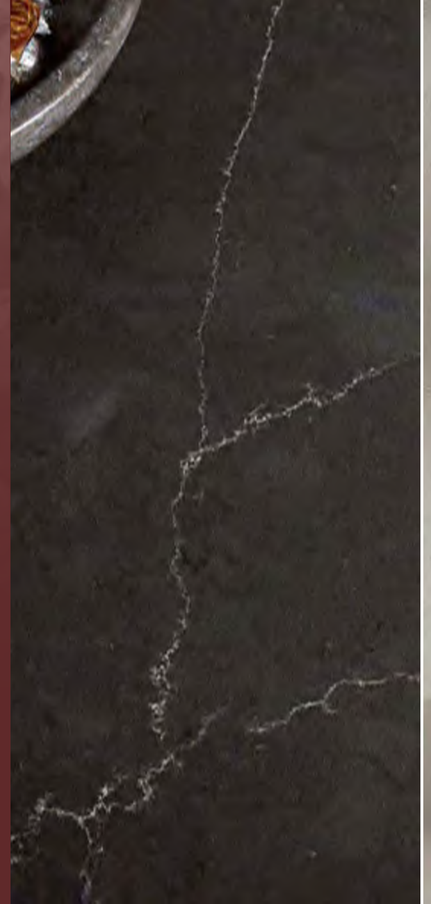
FROM NATURE CHIC – TO CITY SLEEK

With the ONE Quartz Surfaces® assortment, we've brought together the beauty of quartz and modern technology to create new and exciting possibilities. ONE Quartz Surfaces® gives you more design choices for your next project. The low maintenance and durability of ONE Quartz Surfaces® countertops make it perfect for any application, commercial or residential. Functional yet chic, that's what ONE Quartz Surfaces® is all about.

AVAILABLE IN:

Within these unique series, you'll have more selection than ever before.

- Marble Look
- Stone Look
- Concrete Look
- Monochromatic Look

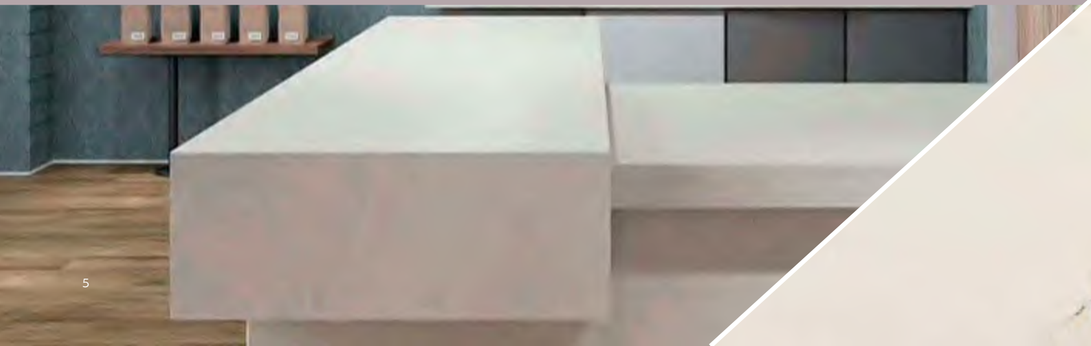


ML-010_CT-001-DA

MARBLE LOOK

Dazzle in design with charming details which embody the luxury of the finest marble. Create drama with striking vein patterns, or infuse tranquility with subtle marbling. This look allows you to create elegant styles with outstanding durability.

Made in the USA with imported material.



ML-010_CT-001-DA

RUSHMORE OQ41

FREEDOM CALACATTA OQ42

WASHINGTON OQ43

LIBERTY CALACATTA OQ44

LIBERTY GOLD OQ45

PATRIOCTIC CALACATTA OQ47

ML-010_CT-001-DA

INDEPENDENCE CALACATTA OQ48

STATUARY UNITY OQ53

STATUARY GLORY OQ52

WHITE STATUARY NQ12

CALACATTA NQ06

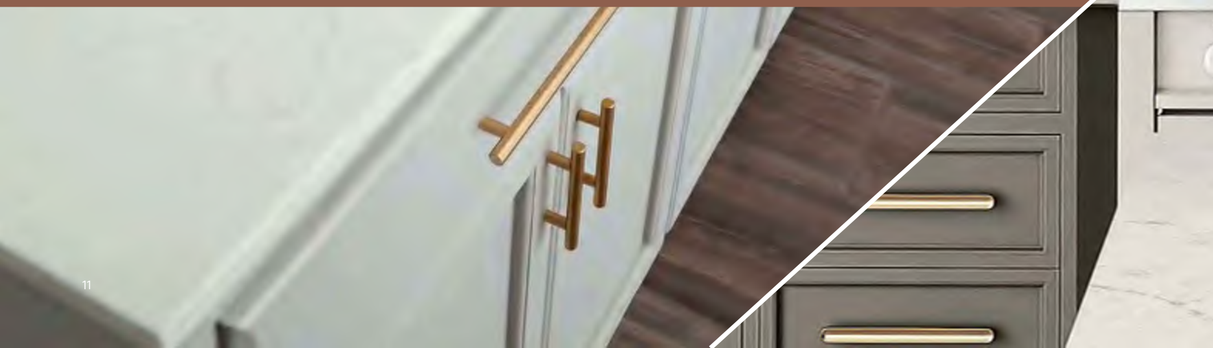
CARRARA VEIL OQ12

CARRARA AURA OQ09

BROADWAY BLACK OQ03
Also stocked in Leather finish

STONE LOOK

Enjoy the opulent beauty of stone with the benefits of extraordinary endurance. From travertine and limestone visuals, the many color choices are versatile for any design. Increase the style in your space with a majestic stone look.

Made in the USA with imported material.

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VALOR WHITE OQ55

CAPITOL BEIGE OQ57

NOBLE GREY OQ56

ARCHES OQ33

NIAGARA OQ32

ROCKY MOUNTAIN OQ34

GOLDEN GATE OQ37

JASMINE WHITE OQ27

KODIAK OQ21

ASPEN GREY OQ20

WHITE SAND NQ97

ALMONDINE NQ36

EQUINOX OQ23

AVENUE WHITE OQ01
Also stocked in Leather finish

ALPINE WINTER OQ19

RIVERBANK NQ93

CONCRETE LOOK

Concrete features organic natural looks, bustling with city style and sophistication. Add an urban chic feel with looks that closely mimic the essence of poured concrete, while the smooth matte finish adds a touch of refinement.

Made in the USA with imported material.

ML-010_CT-001-DA

ML-010_CT-001-DA

LINCOLN WHITE NQ59

ASH GREY NQ69
Also stocked in Honed finish

CABRINI GREY NQ51

MERCER GREY NQ52

LUDLOW TAN NQ55

COLUMBUS BROWN NQ56

CONCRETE GREY NQ87

MONOCHROMATIC LOOK

Infuse your space with the raw beauty of a monochromatic look. Choose from a speckled look with flecks of character or subdued solids for a more contemporary space. From the purest white to the blackest black, the opportunities are endless.

Made in the USA with imported material.

CHIPPED ICE NQ91

MORNING FROST NQ30

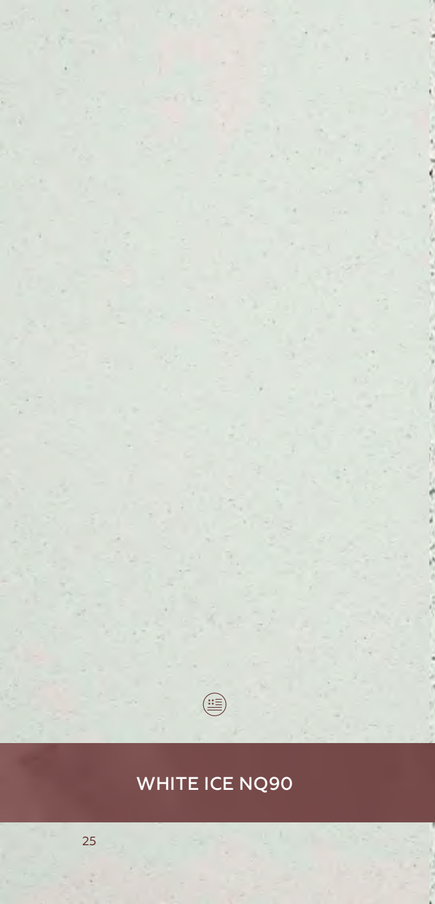
WOVEN WOOL NQ09

SIMPLY WHITE NQ76
ONE Quartz Basics

SIMPLY GREY OQ30
ONE Quartz Basics

SIMPLY BEIGE OQ29
ONE Quartz Basics

ML-010_CT-001-DA

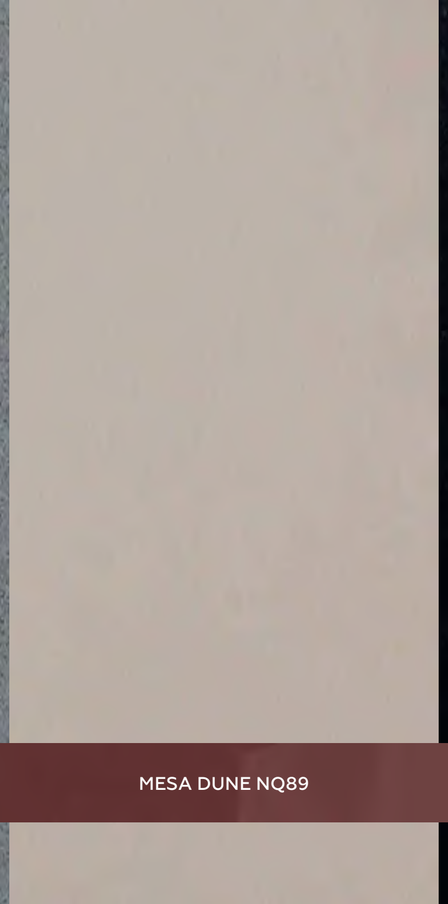


WHITE ICE NQ90

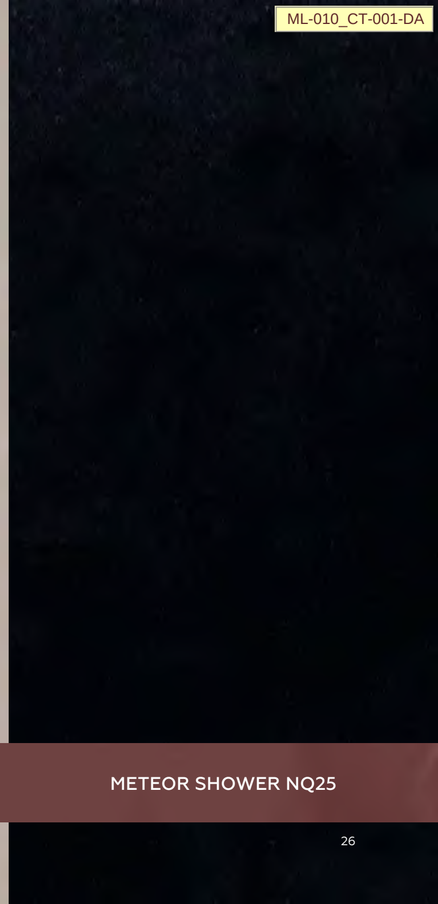
FRESH LINENS NQ66

EVENING GREY NQ43

BRUSHED FLANNEL NQ60



MESA DUNE NQ89



METEOR SHOWER NQ25

PRODUCT **INFORMATION**

PRODUCT INFORMATION

Finishes	Actual Size		Thickness
	DOMESTIC COLORS	IMPORTED COLORS	
Polished	135-7/8" x 78-3/4" (345 cm x 200 cm)	Please reach out to local stone center for size details on all sourced products. Slab sizes vary.	1-1/4" (3 cm) & 3/4" (2 cm)

Custom slab finishes in semi-polished, honed and leather are available by special order.

Not all colors available in alternative finishes. Please contact your local slab center for availability.

			RESISTANCE						
	PRICE	STYLE	CHIPS	HEAT	STAIN	SCRATCHES	SEALING REQUIRED	MAINTENANCE	PROS
ONE QUARTZ SURFACES®	$$$	•••	•••	•••	•••	•••	NO	NO	Highly stain resistant Excellent for undermount sinks Engineered, so has consistent look Tons of colors to choose from

••• EXCELLENT
•• GOOD
• FAIR

Fifteen Year Limited Warranty, visit daltile.com for complete warranty details.♦

♦Sourced SKUS

Twenty Five Year Commercial Limited Warranty, visit daltile.com for complete warranty details.

Lifetime Residential Limited Warranty, visit daltile.com for complete warranty details.*

*Made in the U.S.A. with imported material.

MADE IN THE USA WITH IMPORTED MATERIAL.

To See Approved Colors, Please Check The Below Link:
info.nsf.org/Certified/Food/Listings.asp?Company=C0536133&Standard=051

PRODUCT **INFORMATION**

INSTALLATION

Grout Joint Recommendation	Shade Variation
Tile : 1/16"	Medium (V2)

APPLICATIONS

	Target DCOF wet	Suitable
Dry & Level – Interior Floor	N/A	
Wet & Level – Interior Floor	≥ 0.42	
Shower Floors (Residential or Light Commercial)	≥ 0.42	
Exterior Floor Applications (including pool decking & other wet areas with minimal footwear)	≥ 0.60	
Ramps & Inclines	≥ 0.65	
Walls/Backsplashes	N/A	✓
Countertops	N/A	✓
Pool Linings	N/A	

ONE Quartz Surfaces do not meet minimum coefficient of friction thresholds recommended by safety standard-setting organizations. Water, oil, grease, etc., create slippery conditions. Floor applications with exposure to these conditions require extra caution in product selection.

Quartz not suitable for exterior applications due to small resin content. The sun will etch the material.

SLAB PERFORMANCE CHARACTERISTICS

	Test Method	Average Result*
Abrasion Wear Index	ASTM C501	≥ 135
Bulk Specific Gravity	ASTM C97	≤ 2500 kg / cubic meter
Chemical Resistance	ASTM C650	Resistant to typical household cleaners
Coefficient of Thermal Expansion	ASTM C531	≤ 4.0 • 10^{-5} °C^{-1}
Flexural Strength	ASTM C880	≥ 35 MPa
Water Absorption	ASTM C97	≤ 0.10%
Scratch Resistance (Mohs Hardness)	ASTM C1895	≥ 5
Stain Resistance	ANSI Z124.6	Pass
Thermal Shock Resistance	ASTM C484	Pass – No Effect

* Custom testing results by color are available upon request.

NOTES

ONE Quartz Surfaces products are nonporous, reducing the potential for bacteria growth, resist common food stains and are stronger than natural granite.

ONE Quartz Surfaces products are virtually maintenance free.

ONE Quartz Surfaces products contain natural quartz stone providing consistent color and visual movement. A wide range of color options allow for more design freedom.

ONE Quartz Surfaces products have a durable, scratch-resistant surface.

ONE Quartz Surfaces products are heat and scorch-resistant under normal cooking conditions (use of a trivet is recommended for longer or extreme heat exposure).

Visit daltile.com/countertops-product-category/one-quartz for additional polished, semi-polished, honed and leather finish details.

Twenty-Five year limited warranty. Visit daltile.com/countertops-product-category/one-quartz or details.

Fifteen-year limited warranty on imported materials.
Visit daltile.com/countertops-product-category/one-quartz for details.

White thin-set or mortar is recommended for the lighter colors of ONE Quartz Surfaces tiles.

WARNING: This product can expose you to chemicals known to the State of California to cause cancer, including crystalline Silica (airborne particles of respirable size) in dust created if the product is dry cut/ground/polished or pulverized during fabrication/installation/removal. For more information, go to www.P65Warnings.ca.gov.

For information refer to "Factors to Consider" at daltile.com/Factors.

DIMENSIONAL **STONE**

QUARTZ TAKES ON A WHOLE NEW DIMENSION

Our Dimensional team offers complete cut to size projects imported directly to the jobsite. Brought to you by the experts at Daltile®.

FORGET ONE-SIZE-FITS-ALL.

Or shape, for that matter. Our Dimensional program offers procurement, fabrication, and delivery for any project-all executed to your specifications.

Our team will help you identify exactly what you need to bring your vision to reality. Acting as a dedicated project manager, they'll walk you through every step, from inception to completion. Ask about our quantity survey, shop drawing and cutting ticket services!

LEAVE YOUR LIMITS BEHIND.

In addition to our standard product offering, we can also match most any color pallet. The experts at Daltile won't hesitate to make sure your project takes shape with complete coordination and precision.

STEP-BY-STEP

CUSTOM CUT TO YOUR SPECS. ON YOUR TERMS.

- We provide a digital take-off to identify the project scope, which includes materials, size, quantity, and edge treatment.
- You'll receive samples and pricing - we'll also provide support during the bid process to help determine the right material for the right location.
- Then you'll review CAD-generated shop tickets for confirmation that your goals are achieved.
- Now, your stone can be fabricated, delivered on time, within sequence, and ready to install.
- Each project is reviewed by an independent Daltile inspector. They ensure that color, size, calibration, and packaging meets your requirements prior to shipment.

LET US HANDLE ALL THE DETAILS

Contact your local Daltile Architectural Representative, Sales Representative or visit daltile.com to get started.

TECHNICAL **DATA**

QUALITY QUARTZ SURFACE

Test Items	Test Methods	Result
Absorption by Weight	ASTM C97/C97M-09	0.06%
Density	ASTM C97/C97M-09	148 lbs/ft^3
Abrasion Resistance	ASTM C241/C241M-13	47
Flexural Strength	ASTM C880/C880M-09	"dry" 34.9 Mpa "wet" 37.5 Mpa
Compressive Strength	ASTM C170/C170M-14	"dry" 192 Mpa "wet" 185 Mpa
Breaking Strength	ASTM C 648-09	5100 N
Thermal Expansion	ASTM C531-00(2012)	30.9 × 10^{-6}/°C
Chemical Resistance	ASTM C650-04(2009)	Not Affected
Abrasion Wear Index	ASTM C501-84(2009)	Wear Index: 136

TECHNICAL SPECIFICATION

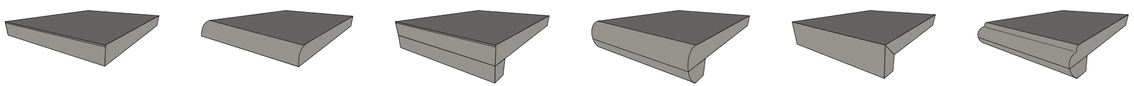
Quartz is one of nature's hardest minerals. Our surfaces are composed of 93% quartz, and are therefore designed to last.

In a unique Daltile process, we take the innate strength of quartz and combine it with numerous polymers and dashes of pigments. The result: A range of durable and beautiful quartz surfaces in a wide variety of colors and finishes.

100% Engineered Stone | **Non Porous** | **Easy to Clean** | **Low Maintenance** | **Shock Resistant** | **Stain Resistant** * | **Scratch Resistant** | **Everlasting Sheen** | **Modern Collection of Colors**

* Only West Village Series

EDGES FOR QUARTZ



EASED
Traditional Edge

DEMI BULLNOSE
Added Movement

LAMINATED
Economically Bold

BULLNOSE LAMINATED
Safe and Modern

MITERED
Seamless Depth

OGEE LAMINATED
Elegance in Curves

ONE **QUARTZ®** FAQ

QUARTZ IS A VERSATILE, DURABLE MATERIAL THAT'S AVAILABLE IN A WIDE RANGE OF COLORS AND STYLES. Also known as engineered stone, quartz is made from a combination of resin and natural quartz crystals. The natural crystals in quartz countertops make each surface unique, while resin gives the material its durability and resistance to everyday wear and tear. Because quartz is a man-made product, this material can be tinted and shaped in a wide variety of ways. Unique colors, edge treatments, inlays and other style accents add to the aesthetic appeal of this product.

In general, engineered stone is less expensive than naturally sourced materials after installation, sealing and maintenance are considered. The exceptional strength, durability and aesthetic appeal of quartz make this product a popular alternative to granite, a stone known for its lasting beauty. In addition, quartz is remarkably easy to maintain.

IS QUARTZ A SAFE COUNTERTOP MATERIAL?

Quartz, or engineered stone, is highly resistant to the routine wear and tear of daily life. Because quartz is made from a tough combination of natural crystals and resin, this product is very durable and long lasting. Quartz is a safe material for bathroom, kitchen or office countertops, but standard precautions must be taken to protect this man-made material from damage and prevent fading of your quartz countertop colors.

Although quartz countertops are resistant to scratches, dents, scuffs, burns and stains, these surfaces can be damaged when exposed to heat or to certain chemicals or tools. Gentle cleaning with a mild detergent and water is all that's required to maintain these surfaces. To keep your quartz countertops safe from damage, take care not to expose them to harsh chemicals, permanent dyes or inks, abrasive cleansers, direct heat or knives and other metal tools.

WHAT COLORS DO QUARTZ COUNTERTOPS COME IN?

Quartz countertops come in a broad spectrum of colors and patterns, from cool pastels to rich, dark tones. Quartz is a man-made material that combines the strength and durability of resin with distinctive of natural quartz crystals. This material can be tinted in a nearly unlimited range of shades to match any interior color scheme. Whether you're decorating a kitchen in warm earth tones or remodeling a bathroom with pink and white surfaces, you can find a shade that complements your decor and any living space.

QUARTZ COLORS AND TREATMENTS

Quartz is an extremely versatile material, which can be tinted, treated or shaped to accommodate almost any homeowner's tastes. When you're shopping for quartz countertops, choosing the perfect color may be challenging. With so many different shades to choose from, it can be difficult to make a decision with confidence. A knowledgeable provider should be able to help you with this stage of the process by giving you a comprehensive overview of your choices and making suggestions for shades that will complement your design.

When it comes to designing a quartz countertop, you aren't limited to traditional, squared edge treatments. There are a number of different edge treatments to choose from, with beveled or rounded styles. Inlays add a touch of elegance to a countertop surface by accenting the contours of the counter. These unique treatments take a countertop a step beyond the ordinary and give your kitchen or bathroom an extra touch of style.

CHOOSING COLORS FOR YOUR COUNTERTOPS

The color of your quartz countertops can make a big difference in the visual dimensions of your kitchen or bathroom. Light colors will create a sense of space, enlarging the room visually. If you have a small kitchen or bath, quartz countertops in white, cream, beige or gray may be preferable to darker, richer tones. In a larger kitchen or a game room, a dark gray, brown or dramatic black surface can add style and elegance to your interior.

The colors you select will affect a room's atmosphere and character. If you're decorating a professional office, a black or charcoal quartz countertop can give your decor a sense of dignity and stability. In a master bathroom, a rich gold or beige creates a look of luxury. The colors of quartz countertops may be variegated with flecks or swirls of various colors that give your countertops the natural appearance of stone.

Most manufacturers come out with new color series on a regular basis. Although the latest trends may be appealing, choose a color that will stand the test of time to get the most value.

QUARTZ IN KITCHENS AND BATHROOMS

Quartz is a non-porous material that does not require a sealant to protect the surface against dirt, moisture or germs. The polymers used to manufacture quartz make the surfaces extremely sturdy and durable. In the kitchen, quartz countertops are resistant to ordinary contact with metal, ceramic, glass or other materials commonly used in cookware. However, quartz countertops should not be scraped with metal tools. When you're cutting food, use a cutting board rather than cutting or slicing directly onto a quartz surface.

In the kitchen, protecting food from exposure to bacteria is a big concern. Quartz countertops are non-porous, meaning that these surfaces are continuous and smooth and do not have any tiny openings in the surface. Unlike wood and some forms of stone, quartz will not absorb water or other liquids. Bacteria have no place to grow on a quartz surface, as long as it's wiped clean after preparing food. Use a cutting board made of marble or another non porous material to avoid scratching your countertops.

Germs tend to collect in bathrooms as well as kitchens. The moisture and warmth that gather in the bathroom make it a breeding ground for bacteria, mold and mildew. A sink or vanity topped with quartz offers protection against bacterial growth as well as longevity and beauty. With regular cleaning, quartz countertops keep bathrooms sanitary by discouraging the growth of bacteria, mold and mildew. When cleaning quartz countertops, do not use bleach or other harsh or abrasive cleansers. Bleach may discolor or damage a quartz counter.

ONE **QUARTZ®** FAQ

FINAL CONSIDERATIONS

When you're shopping for quartz countertops, you'll soon find that you have many choices in style and color. Because quartz countertops are man-made, this material can be manufactured in nearly any color. You can choose from a wide range of countertop edge treatments, from traditional rounded or cornered styles to more dramatic looks.

The cost and performance of quartz countertops increases their appeal to homeowners who are looking for resilience and aesthetic value at a competitive price to other alternatives. As you search for quartz countertops, look for a reliable provider with a reputation for quality craftsmanship. Because the supplier you choose may also install the product, it's important to review the quality of the company's labor as well as the quality of its products before you make this important investment.

WHAT MAINTENANCE IS REQUIRED FOR QUARTZ COUNTERTOPS?

Low maintenance requirements make quartz countertops appealing to many homeowners. Quartz countertops are manufactured with a combination of hard quartz crystals and durable resin polymers that make them extremely resilient. In addition, the leading manufacturers provide a 10 to 15 year limited warranty that covers manufacturer's defects. Routine care and cleaning is very simple, and with basic precautions to prevent stains, dents or scratches, safe quartz countertops can lend beauty and a sense of permanence to a home for decades.

Manufacturer's warranties will not cover damages caused by the owner's use of the product unless damage is linked to an error made by the company. Your quartz countertops must be installed by a professional contractor in order to be covered by the warranty, in most cases. Follow the manufacturer's specific recommendations for maintaining your new countertops to get the maximum value from this investment.

ROUTINE CARE AND CLEANING

With the right care, quartz countertops can lend aesthetic appeal to your kitchen, bathroom or office for years. Quartz can be cleaned easily with a mild detergent, water and a soft cloth or paper towel. Abrasive cleansers or harsh scouring pads and cleansers that contain bleach should not be used with quartz. Engineered stone surfaces do not require polishing to keep them shiny and smooth, but they should be cleaned gently to maintain their distinctive shine.

A rounded plastic knife should be used to remove dried foods or liquids on a quartz surface. Dried paint or grease can be gently scraped away with a plastic knife. Avoid using metal knives and utensils directly on the countertop, as metal may scratch the quartz.

Grease from cooking is a concern in many kitchens. To remove grease from your quartz countertops, use a product recommended by your manufacturer. Harsh cleansers should not be used to remove grease or other cooking stains. Gently scrape away hardened grease with a plastic knife before applying cleanser.

PREVENTING STAINS AND SCRATCHES

While quartz countertops are resistant to scratches, scuffs, dents, stains and burns, these surfaces are not damage-proof. Homeowners must take care to avoid exposing quartz countertops to permanent inks, markers or dyes, as these substances may not be removable. If a countertop is marked by a permanent marker or dye, rinse the area with water as soon as possible, then apply a cleansing product approved by the manufacturer if the stain is still visible. Clean the area again with water after applying the cleanser.

Turpentine and other paint stripping products may damage or discolor a quartz surface. To be on the safe side, avoid exposing quartz to any strong chemicals or solvents unless your manufacturer recommends them for use in removing stubborn stains or hardened grease. If exposure to a potentially harmful chemical solvent occurs, clean the area with water immediately.

Quartz countertops can be damaged by direct exposure to heat. When cooking, use trivets or heating pads to guard the countertop surface against direct exposure to hot cookware or coffee pots. Although quartz is resistant to stains from juice, wine, coffee and other food substances, it is best to wipe up spills immediately to prevent possible stains. When chopping vegetables, slicing bread or preparing other foods with sharp utensils, use a cutting board to prevent scratches.

Very little maintenance is required for quartz countertops. This engineered product does not require sealants, and its non-porous surface makes it a durable, sanitary option for kitchens or bathrooms. To ensure that you get the most life from your countertops and that your warranty covers any unexpected damages, follow the manufacturer's instructions for care and quartz countertop maintenance.

PROTECTING QUARTZ SURFACES

Quartz countertops can stand up to a lot of wear and tear, but they shouldn't be exposed to excessive impact or harsh chemicals. In the kitchen, use hot pads or trivets on your countertops to prevent hot skillets or pots from making contact with quartz surfaces. In the bathroom, curling irons and other heated appliances shouldn't be left sitting on sinks or vanities.

Although quartz is non porous and resists stains, liquid spills should be wiped up promptly. Coffee, wine, vinegar, lemon juice and other liquids should not be allowed to sit on a quartz countertop for long periods of time. If permanent dye or ink is spilled on the counter, rinse the area promptly with water, then use a cleanser approved by the manufacturer for removing permanent stains. If you need to scrape dried food or paint or hardened grease off a quartz countertop, use a rounded plastic utensil, like a putty knife.

To get the maximum use from this investment, choose quartz countertops that are covered by a warranty. A manufacturer's warranty will replace or repair a countertop if it shows evidence of a manufacturer's defect. With a reliable warranty and proper care, quartz is a safe countertop material.

PHOTOGRAPHY INDEX

COVER PHOTO

Independence Calacatta on the countertop.

PAGES 3-4 (LEFT TO RIGHT)

West Village Series Broadway Black on the countertop.

West Village Series Astor Grey on the countertop & backsplash.

West Village Series Barclay Tan on the countertop.

PAGE 5-6 (LEFT TO RIGHT)

Noble Grey on the countertop.

Patriotic Calacatta on the countertop.

PAGE 11-12 (LEFT TO RIGHT)

Avenue White on the countertop.

Valor White on the counter and backsplash.

PAGE 17-18 (LEFT TO RIGHT)

Carrara Aura on the bottom counter block.

Broadway Black on the top counter block.

PAGES 21-22 (LEFT TO RIGHT)

White Ice on the countertop.

Chipped Ice on the countertop.

ML-010_CT-001-DA

daltile®

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To view the complete collection of Daltile® products and information, visit our website at **daltile.com.**
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Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-010_CT-001-JG

Real Living Decor Package

Issue Date: Nov 23, 2022
Revision Date:

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	JG Edelen
Model	EHS-836
Dimensions	Refer to Design Guideline Drawings
Color	Goldfield
Finish	Polished Straight Edge
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Finish	Polished Straight Edge
Notes	Refer to drawings for edge profile Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

Label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

AREAS

Hub
On Us
Buffet

ALTERNATE MANUFACTURER 2

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 3

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 4

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

Flex
Fitness Center
Employee Areas
Public Restrooms
Hydration Station

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-010_CT-001-MG

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Mgroup
Model	UltraCera
Dimensions	2cm
Color	Kachine Peak - 3007
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Notes	Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

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MANUFACTURER

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 2

Vendor Name: Belstone

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 3

Vendor Name: Designer Tile & Stone
Contact Name: Timi Mustapha
Phone: 301.325.1981
Email: timi@designertilestone.com

ALTERNATE MANUFACTURER 4

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

Public Restrooms
Elevator Lobby
Hydration Station

ML-010_CT-001-MG

KACHINA PEAK- 30(

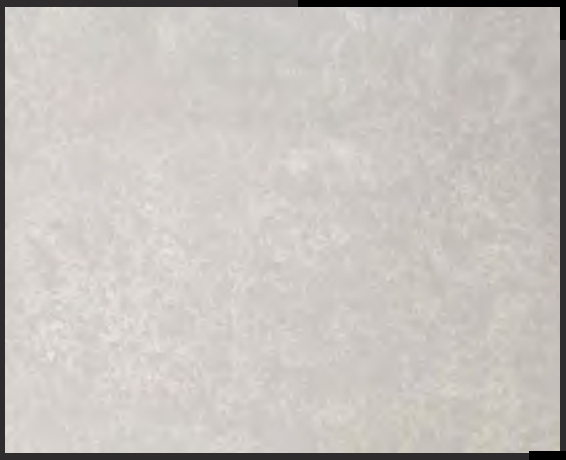
GROUP

ULTRACERA®
NextGeneration Composite Ecosurface

TECHNICAL SPECIFICATIOI

COMPRESSIVE STRENGTH (DRY): (ASTM C17(17) 256 Mp
DENSITY: (ASTM C9 18 2400) kg/m
WATER ABSORPTION: (ASTM C9 18) 0.03
THICKNESS: Standard 2cm or 3cm. Custom Availab
ABRASION RESISTANCE: (ASTM C241-15) 4
MOHS HARDNESS: (EN 15771) Averages
STAIN RESISTANCE: (ANSI Z124.6-07) Pa
CHEMICAL RESISTANCE: (ASTM C650) Not Affecte
FLEXURAL STRENGTH (DRY): (ASTM C88(14) 48.5Mp
THERMAL SHOCK RESISTANCE: (ASTM C484) No Defe
MODULUS OF RUPTURE: (ASTM C99) 3
FINISH: Polished Standard (level 6000 availabl
EDGE: Eased Standard—Fully Customizable Fabricatic
FIRE RATING: (ASTM E84) Class

KACHINA PEA



*SAMPLE IMAGE FOR REFERENCE ONL

APPLICATIO

Vanity Top
Kitchen Top
Window S
Desk Top
Dresser Top
Threshol
Wall Claddir

NOTI

Patent Pendir
0% Acrylic Solid Surfac
Non-Silica Based Produ
For More Information On What UltraCera® Is, And What It Is Not: Please Visit UltraCeraTops.co
Herein Are Subject To Change Without Notice Due To Constant Product And Engineering Improvement

MGROUP
MSHOWER MSTONE MTERIORS Gainwell International QUIETLOK ULTRACERA

MERIDIEN HOUSE | 203 NORTH LEWIS STREET| LAGRANGE, GA 30240 US

ULTRACERA®
NextGeneration Composite Ecosurface

REV. DATE 03-06-202

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-010_CT-001-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Wilsonart International, Inc.
Model	Q4007
Dimensions	3/4" Thick
Color	Duomo
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Fire/Smoke Rating	ASTM E84 Class 1 (NFPA Class A) FS-25 or less.
Structural Performance	Mohs Hardness Scale: 6 to 6.5. Density: Not less than 2 g/cm3 when tested per ASTM C97.
Thermal Performance	Thermal shock: Pass 5 cycles, tested per ASTM C484.
Best Practices	UL Greenguard certified
Quality Standards	NSF/ANSI 51 Certified. Stain resistance: Passes ANSI Z124.6. Water absorption: Maximum 0.04 percent, tested per ASTM C97. Chemical resistance: Not Affected when tested per ASTM C650.
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	N
Thickness	3/4"
Finish	Polished
Warranty	One (1) year minimum warranty against defects in materials and workmanship. Commercial Lifetime warranty
Notes	Refer to drawings for edge profile. Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

1981; timi@designertilestone.com;
www.designertilestone.com

SPECIAL INSTRUCTIONS

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MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

Vendor Name: JG EDELEN CO INC
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ALTERNATE MANUFACTURER 3

Vendor Name: Designer Tile & Stone
Contact Name: Timi Mustapha
Phone: 301.325.1981
Email: timi@designertilestone.com

ALTERNATE MANUFACTURER 4

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Public Restrooms
Elevator Lobby
Hydration Station

TECHNICAL DATA
Wilsonart® Quartz

Wilsonart
2501 Wilsonart Drive
P.O. Box 6110
Temple, TX 76503-6110

1. Distributor

Wilsonart LLC
2501 Wilsonart Drive
P.O. Box 6110
Temple, Texas 76503-6110
Toll-Free: 800-433-3222
Website: www.wilsonart.com

2. Product Descriptions

Product Composition

Wilsonart® Quartz is manufactured with up to 93 percent high quality natural quartz crystals, high quality polyester binders, and proprietary coloring agents that are homogeneous, with uniform color throughout their thickness.

Basic Limitations

Wilsonart® Quartz is designed for interior use only, ideal for residential and commercial applications. Wilsonart Quartz is a solid, non-porous, highly durable surface and resistant to scratching, staining, and water absorption and is virtually maintenance free.

Fabrication

Refer to the Wilsonart Quartz Fabrication Manual or contact a Wilsonart® Quartz Fabricator or Distributor for details.

Colors and Finishes

Wilsonart® Quartz has created a wide array of colors. Wilsonart Quartz is available in a polished finish.
Glossometer reading: >45

Sheet Dimensions:

	Wilsonart® Quartz Standard Size
Available Sizes	120” (306 cm) x 55” (140 cm), 120” (306 cm) x 63” (160 cm), 126” (320 cm) x 63” (160 cm), 130” (330 cm) x 65” (166 cm)
Thickness	Product Type 062 = 0.79" (2 cm) ± 0.060"(0.15 cm)
Thickness	Product Type 063 = 1.18" (3 cm) ± 0.060"(0.15 cm)
Approximate Weight	Product Type 062 = 10 lbs./ft^2 (2 cm)
Approximate Weight	Product Type 063 = 15 lbs./ft^2 (3 cm)

* Please consult Wilsonart® Quartz Design Library on www.wilsonart.com for available slab sizes by pattern

Physical Properties

Test Description	**Typical Results**	**Test**
Flexural Strength (psi)	>6,000	ASTM D 790
	31 - 75	EN14617-2
Thermal Expansion Coefficient	16 x 10^{-6} - 20.8 x 10^{-6*}	EN14617-11
Impact Resistance	3.4 – 7.35	EN14617-9
Stain Resistance	No Effect	EN14617-10
High Temperature Heat Resistance	No Effect to Slight Effect	ISO 4586
Chemical Resistance (acids and bases)	C4	EN14617-10
Abrasion Resistance	>100	ASTM C501
	23.6 – 27.5	EN14617-4

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Density (g/cm^3)	>2.1	ASTM C97
Compressive Strength (One Axis – Dry) (psi)	>20,000	ASTM C170
Moisture Absorption	<0.03	ASTM C97
	<0.03	EN14617-1
Freeze and Thaw Resistance	0.999	EN14617-5
Fire Behavior	Class 1/A Rating	ASTM E 84

**Test results vary slightly depending on pattern.*
The information contained in this section is based on technical data which Wilsonart LLC believes to be reliable, and is intended for use by persons having knowledge of this technical area at their own discretion.

Certifications
Wilsonart® Quartz is UL GREENGUARD Standard and Gold Standard Certified for low chemical emissions.
NSF 51 Food Zone and FDA food contact compliant.
Wilsonart Quartz is Kosher certified under the Kashruth Division of the Orthodox Union.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Quartz per ISO 4586-2 Method 31 (B)
No effect was exhibited except as noted (* or **) on the following:

1. Beckart Environmental (Stabilized Chlorine Dioxide Mixed with Water at 3000ppm)
2. Benefect® *
3. Claire® Germicidal Cleaner (Country Fresh Scent) **
4. Claire® Disinfectant Spray Q (Country Fresh Scent) **
5. Clean Republic – All Purpose Everyday Cleaner (Hypochlorous Acid – 0.003% Solution)
6. Clorox® Anywhere® Hard Surface Sanitizing Spray *
7. Clorox® Clean-Up (Cleaner & Bleach)
8. Clorox® Disinfecting Bleach w/6% Sodium Hypochlorite (24:1/Water:Bleach)
9. Clorox® Disinfecting Spray
10. Clorox® Disinfecting Wipes
11. Clorox Healthcare® Bleach Germicidal Cleaner *
12. Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant *
13. Clorox Healthcare® Fuzion® Cleaner Disinfectant *
14. Clorox Healthcare® VersaSure® Cleaner Disinfectant Wipes
15. Clorox® Total 360 Disinfectant Cleaner
16. Diversey™ Expose® II 256 *
17. Diversey™ Oxivir 1 *
18. Diversey™ Oxivir Tb Wipes *
19. Diversey™ Stride® Floral Neutral Cleaner
20. Diversey™ Virex® II 256 *
21. Fabuloso® Complete (Multi-Purpose Cleaner)
22. Lysol® Professional Disinfectant Spray
23. Microban® 24 Hour (Multi-Purpose Cleaner)
24. PDI Sani-Prime® Germicidal Spray
25. PDI Super Sani-Cloth® Germicidal Disposable Wipes
26. PURELL® Advanced Hand Sanitizer Gel *
27. Purell® Food Service Surface Sanitizer *
28. Purell® Professional Surface Disinfectant *
29. Purell® Healthcare Surface Disinfectant *
30. Simple Green® Concentrated (All-Purpose Cleaner)
31. Spic and Span® Everyday (Antibacterial Cleaner)

Test procedure: Listed materials were placed in contact with Wilsonart® Quartz surface under 1" (25.4mm) diameter watch cover glass for 16 hours duration prior to evaluation for effect. The branded cleaners and sanitizers listed above were cleaned with water only.

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* Causes slight change of gloss or color.
** Causes slight damage, with degree of damage proportionate to length of exposure and concentration.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Quartz per BIFMA HCF 8.1-2014 (Section 6 / Modified)
No effect was exhibited except as noted (* or **) on the following:

1. Beckart Environmental, Inc. (Stabilized Chlorine Dioxide Mixed with Water at 3000ppm)
2. Benefect®
3. Claire® Germicidal Cleaner (Country Fresh Scent)
4. Claire® Disinfectant Spray Q (Country Fresh Scent)
5. Clean Republic – All Purpose Everyday Cleaner (Hypochlorous Acid – 0.003% Solution)
6. Clorox® Anywhere® Hard Surface Sanitizing Spray
7. Clorox® Clean-Up (Cleaner & Bleach)
8. Clorox® Disinfecting Bleach w/6% Sodium Hypochlorite (24:1/Water:Bleach)
9. Clorox® Disinfecting Spray
10. Clorox® Disinfecting Wipes
11. Clorox Healthcare® Bleach Germicidal Cleaner
12. Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant *
13. Clorox Healthcare® Fuzion® Cleaner Disinfectant
14. Clorox Healthcare® VersaSure® Cleaner Disinfectant Wipes
15. Clorox® Total 360 Disinfectant Cleaner
16. Diversey™ Expose II 256
17. Diversey™ Oxivir 1 *
18. Diversey™ Stride® Floral Neutral Cleaner
19. Diversey™ Tb Wipes *
20. Diversey™ Virex II 256
21. Fabuloso® Complete (Multi-Purpose Cleaner)
22. Lysol® Professional Disinfectant Spray
23. Microban® 24 Hour (Multi-Purpose Cleaner)
24. PDI Sani-Prime® Germicidal Spray
25. PDI Super Sani-Cloth® Germicidal Disposable Wipes
26. PURELL® Advanced Hand Sanitizer Gel
27. Purell® Food Service Surface Sanitizer
28. Purell® Professional Surface Disinfectant
29. Purell® Healthcare Surface Disinfectant
30. Simple Green® Concentrated (All-Purpose Cleaner)
31. Spic and Span® Everyday (Antibacterial Cleaner)

Test procedure: Listed reagent materials were placed in contact with Wilsonart® Quartz surface with a one-inch square 100% cotton cloth completely saturated and covered with a 2” (50.8mm) diameter watch cover glass for 15 minute duration. The reagents listed above were removed with clean cloth and the area was then cleaned with clean cloth and distilled water only. The surface area was allowed to dry for 1-hour prior to evaluation for effect.
* Causes slight change of gloss or color.
** Causes slight damage, with degree of damage proportionate to length of exposure and concentration.

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3. Care and Maintenance

4. Warranty

5. Customer Service
   For samples, literature, questions, technical assistance, or warranty information, please contact our toll-free Hotline at (800) 433-3222, Monday through Friday, 8 am – 5 pm CST, or visit our website at www.wilsonart.com.

Quartz Tech Data
Revised: July 9, 2020
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Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-010_LA-001-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Plastic Laminate
Item Type	Type 107 General Purpose (HGS) Laminate
Description	General purpose laminate product
Manufacturer	Wilsonart
Model	#15504-31
Dimensions	0.045" Plus Minus 0.005" Thickness, Standard Sheet Widths 36", 48", 60" x Standard Sheet Lengths 96", 120", 144"
Color	Charcoal
Finish	31 Traceless
Material Composition	Melamine impregnated deccorative surface papers combined with fire retardant phenolic treated kraft paper
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI 3. A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Charcoal 15504-31
Warranty	1 Year
Notes	Recommended substrates for laminates are Particleboard, Medium Density Fiberboard (MDF) or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates. Refer to Design Guide Project Master, Section 12 32 16 for Casework and 12 36 23 for Countertops.

SPECIAL INSTRUCTIONS

All substrates should be sanded smooth, and should be clean and free of oil or grease, and uniform in thickness.

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

AREAS

Welcome Desk
On Us
Buffet

ALTERNATE MANUFACTURER 2	Flex Fitness Center Employee Areas Elevator Lobby Entrance Vestibule
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

TECHNICAL DATA
Wilsonart® Laminate
Basic Types 107, 335, 350

Wilsonart®
ENGINEERED SURFACES

2501 Wilsonart Dr
PO Box 6110
Temple, TX 76503-6110

1. Manufacturer

Wilsonart LLC
2501 Wilsonart Drive
P.O. Box 6110
Temple, Texas 76503-6110
Phone: (254) 207-7000; (800) 433-3222
Fax: (254) 207-2384
Web Site: www.wilsonart.com

2. Product Description

Recommended Uses

Wilsonart® Laminate, types 107, 335, and 350, is suitable for use on fine quality residential and contract furniture, fixtures and casework, and also for architectural application on columns, wainscoting, valances, cornices, interior doors and divider systems.

- **General Purpose (HGS) Type 107** is most frequently used for work surfaces on counters, islands, vanities, desks and tables. Typical vertical uses include surfacing for wall panels, teller cages and the front panels of workstations, such as those in hospitals, airports and restaurants. Type 107 is produced for both horizontal and vertical interior applications where the surface must be functional, durable and decorative.
- **Vertical Surface (VGP) Type 335** is the usual choice to surface cabinet walls, doors and drawer panels. It often appears on the vertical surfaces of desks, restaurants booths and maître d' stations, and as architectural cladding. Type 335 is intended for vertical applications where a functional, durable, decorative surface must absorb somewhat less impact than a comparable horizontal surface. VGP surfaces may be postformed to achieve radius edges.
- **Postforming (HGP) Type 350** adds the decorative capability of a soft edge to any typical laminate use. Common applications of post forming laminates are formed edges for counters, desktops, cabinet doors and drawer panels. Type 350 is intended for use on vertical and horizontal interior surfaces where it is necessary or desirable to roll the laminate on a simple radius over the edge of the substrate. This eliminates seams and leaves an attractive surface.

Product Composition

Decorative surface papers impregnated with melamine resins are pressed over Kraft paper core sheets impregnated with phenolic resin. These sheets are then bonded at pressures greater than 1000 pounds per square inch at temperatures approaching 300°F (149°C). Finished sheets are trimmed, and the backs are sanded to facilitate bonding.

Basic Limitations

Wilsonart Laminate is for interior use only and is not recommended for direct application to plaster, concrete walls, or gypsum wallboard. It is not structural material and must be bonded to a suitable substrate.

Do not subject Wilsonart Laminate to extremes in humidity, temperatures higher than 275°F (135°C) for substantial periods of time, or intense, continuous, direct sunlight.

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Patterns & Colors
Available in the full range of Wilsonart solid colors, stones, marbles, woodgrains, leathers and patterns. See all patterns and colors at www.wilsonart.com. Please see actual sample before specifying.

Finishes – Confirm finish availability on individual designs by going to www.wilsonart.com

- #01 High Gloss - Premium
  A mirror sheen finish, which gives a smooth, brilliant appearance. #01-High Gloss finish also features AEON™™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and can be used for horizontal applications such as countertops and light-to-medium commercial applications. Excellent for vertical applications and carries a premium upcharge.
  Nominal Glossometer Reading = 110
- #07 Textured Gloss - Premium
  A fine textured finish with a sheen level indicative of a waxed wood, polished stone, or other moderately reflective materials. #07 finish features AEON™™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 42
- #12 SoftGrain - Premium
  A dense wood grain structure that is low gloss and soft to the touch. Subtle highlights of reflectivity randomly occur within the embossed grains, creating a sophisticated raw wood look. #12 finish features AEON™™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 8
- #16 Casual Rustic - Premium
  A woodgrain texture with a blend of grain variations ranging from linear to subtle movement with random, irregular features. The overall low gloss surface is accented with higher sheen woodgrain ticking and random highlights. #16 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 6
- #18 Linearity - Premium
  A directional texture running the length of the sheet, having a narrow, random and matte-gloss linear quality. It is complementary to linear wood-grains, and linear patterns (such as the “Satin” series), and provides dimension and visual movement to solid colors. #18 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 18
- #19 Leno Weave – Premium
  Random intersecting horizontal and vertical lines create a geometric weave with a matte-gloss finish. Recommended for horizontal and vertical applications. #19 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 15
- #21 Soft Silk – Premium
  A smooth, ultra-matte finish with a silky, soft touch. This minimalist finish gives the surface a genuine stone feel. Recommended for horizontal and vertical applications. #21 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge,
  Nominal Glossometer Reading = 8
- #22 Antique - Premium
  A mixture of varying low gloss features combined with organic movement, indicative of the surface of an aged stone or an antique metal. Recommended for horizontal and vertical

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applications. Antique features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
Nominal Glossometer Reading = 9

- #28 Gloss Line - Premium
  A linear woodgrain texture with varied widths of narrow grain structures in an alternating mix of matte and gloss surfaces areas. Recommended for horizontal and vertical applications. Gloss Line features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 5
- #35 Mirage-Ultra Premium
  Subtle variations in matte and gloss finish connect to nature's own finishes: rough and weathered, smooth and polished. Wilsonart HD premium pricing. Recommended for horizontal and vertical applications.
  Nominal Gloss Reading = 50
- #38 Fine Velvet Texture
  A smooth textured finish with moderate reflective value.
  Nominal Glossometer Reading = 14
- #52 Quarry - Premium
  Premium finish emulating the "pitted" look of polished natural stone. Recommended for horizontal and vertical applications. #52 features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 55
- #55 Glaze-Ultra Premium
  A layering of matte features over a semi-gloss glaze, creates this timeworn effect. Wilsonart HD premium pricing. Recommended for horizontal and vertical application.
  Nominal Gloss Reading = 25
- #57 Aligned Oak – HD Premium
  Authentic realism is brought to the surfaces using synchronized texture as each elegantly aged oak design exhibits the natural dimension and feel or real world. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 7
- #60 Matte
  Textured finish with a moderate reflective quality. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 10
- #78 FineGrain - Premium
  The FineGrain premium finish features the polish and luxe of a real wood veneer, with a subtle, narrow grain structure that runs the length of the sheet. #78 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium.
  Nominal Glossometer Reading = 38

NOTE: Nominal Glossometer readings are made at a 60° angle of incidence.

Finish Availability: Not all finishes are available in all patterns and colors. Some finish options have limited size availability. Please check with your Wilsonart representative or consult the pattern availability lookup on our website at www.wilsonart.com, to verify size availability by finish type.

Standard Sheet Widths

36"	48"	60"
914mm	1219mm	1524mm

Standard Sheet Lengths

96"	120"	144"
2438mm	3048mm	3658mm

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NOTE: Not all sizes are available from stock; contact your Wilsonart representative for details on local availability. Minimums apply to non-standard designs and finishes in sizes other than 48"x96" and 60"x144". Please check with your Wilsonart representative.

Thickness and Weight

Description	107	335	350
Thickness	0.045" ± 0.005" (1.14mm ± 0.13mm)	0.028" + 0.001 - 0.004" (0.71mm + 0.03 - 0.10mm)	0.036" ± 0.005" (0.91mm ± 0.13mm)
Weight per square foot	0.322#	0.186#	0.260#

3. Technical Data

Physical Properties of General Purpose Laminates

ISO 4586 Test	Typical Wilsonart Type 107	ISO 4586-3 HGS
Thickness	**0.045" ± 0.005" (1.14mm ± 0.13mm)**	N/A
Appearance	**N/A**	N/A
Light Resistance	**Slight effect**	Slight Effect
Cleanability (cycles)	**10**	10
Stain Resistance Reagents 1-10 Reagents 11-15	 **No effect** **Slight effect**	 No effect Moderate effect
Boiling Water Resistance	**Slight Effect (Gloss)** **No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
High Temperature Resistance	**Slight effect**	Slight Effect (Gloss) No Effect (Other Finishes)
Impact Resistance	**65" (1651mm)**	31.5" (800mm)
Radiant Heat Resistance	**210 seconds**	≥ 200 sec.
Dimensional Stability Machine Direction Cross Direction	 **0.3%** **0.7%**	 1.1% (max.) 1.4% (max.)
Surface Wear Resistance (cycles)	**Meets or Exceeds 400**	350 (min.)
Formability	**Not applicable**	Not applicable
Blistering	**Not applicable**	Not applicable

Physical Properties of Vertical Surface Laminates

ISO 4586 Test	Typical Wilsonart Type 335	ISO 4586-3 VGP
Thickness	**0.028" + 0.001 - 0.004" (0.7mm + 0.03 - 0.10mm)**	N/A
Appearance	**N/A**	N/A
Light Resistance	**Slight effect**	Slight effect
Cleanability (cycles)	**10**	20 (max.)
Stain Resistance Reagents 1-10 Reagents 11-15	 **No effect** **Slight effect**	 No effect Moderate effect

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Boiling Water Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
High Temperature Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
Impact Resistance	**40" (1016mm)**	23.5" (600mm)
Radiant Heat Resistance	**200 seconds**	≥ 200 sec.
Dimensional Stability Machine Direction Cross Direction	**0.5% 0.8%**	1.1% (max.) 1.4% (max.)
Surface Wear Resistance (cycles)	**Meets or Exceeds 400**	350 (min.)
Formability	**5/16" radius (7.93mm)**	7/16" radius (11mm) 9/16" radius(14.7mm)
Blistering	**45 seconds**	≥ 40 seconds

*Radius for face is actually the radius of the form around which the laminate is postformed. The radius for back is actually the radius to which the decorative face is postformed.

Physical Properties of Postforming Laminate

ISO 4586 Test	**Typical Wilsonart Type 350**	**ISO 4586-3 HGP**
Thickness	**0.036" ± 0.005" (0.91mm ± 0.13mm)**	0.039" ± 0.005" (1mm ± 0.12mm)
Appearance	**N/A**	N/A
Light Resistance	**Slight effect**	Slight effect
Cleanability **(cycles)**	**10**	20
Stain Resistance Reagents 1-10 Reagents 11-15	**No effect Slight effect**	No effect Moderate effect
Boiling Water Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
High Temperature Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
Impact Resistance	**55" (1397mm)**	31.5" (800mm)
Radiant Heat Resistance	**205 seconds**	≥ 200 sec.
Dimensional Stability Machine Direction Cross Direction	**0.5% 0.8%**	1.1% (max.) 1.4% (max.)
Surface Wear Resistance (cycles)	**Meets or Exceeds 400**	350 (min.)
Formability*	***5/16" face (7.93mm) *3/8" back (9.52mm)**	*9/16" face (14.27mm) *3/4" back (19.05mm)
Blistering	**65 seconds**	≥ 40 seconds

*Radius for face is actually the radius of the form around which the laminate is postformed. The radius for back is actually the radius to which the decorative face is postformed.

Typical Fire Test Data

High-pressure laminates are subject to Flame Spread and Smoke Developed standards in structures where codes establish such conditions.

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Test data to determine compliance with these codes are obtained by the Steiner Tunnel Test method of the American Society for Testing Materials (ASTM-E-84, Standard Test Method for Surface Burning Characteristics of Building Materials). Tests were conducted in accordance with test method and mounting procedure as described in paragraph X1.7.2 of the test method. This procedure is cataloged by Underwriters Laboratories, Inc. as UL 723.
Here is typical data for Wilsonart laminates, averaged from two specific tests:

Typical Flame Spread and Smoke Developed Properties

Product Type	Test Condition	Flame Spread	Smoke Developed
General Purpose Type 107	Unbonded	50	45
Vertical Surface Type 335	Unbonded	45	40
Postforming Type 350	Unbonded	60	35
General Purpose Type 107	Bonded with contact adhesive to particleboard substrate; 3/8"	40	100
Vertical Surface Type 335	Bonded with contact adhesive to particleboard substrate; 3/8"	40	155
Postforming Type 350	Bonded with contact adhesive to particleboard substrate; 3/8"	50	140

When you wish to specify decorative laminate for a Class I or A fire rating, please refer to the Fire-Rated Laminate Tech Data.

Model Code Designations used to determine flame spread classification

Flame Spread Classification (Max. Rating)	International (IBC)	Life Safety (NFPA 101)
25	A	A
75	B	B
200	C	C

RE: Architectural Woodwork Quality Standard, 8th Edition, Version 1.0, - 2003

All Model Codes regulate the generation of smoke by interior finish material. In all cases they specify a maximum smoke development rating of 450.

Codes and Certifications

General Standards
Wilsonart Laminates, types 107, 335 and 350, conform to the voluntary standards of the American National Standards Institute, for thickness, performance properties and appearance. Wilsonart Laminates 107,335 and 350 meet or exceed the International Standards Organization specifications as found in ISO 4586, titled "High-Pressure Decorative Laminate (HPDL) – Sheets Based on Thermosetting Resins – Part I: specifications."

Specific Product Standards
U.S. Federal Specification L-P 508H, April 9, 1977, "Plastic Sheets, Laminated, Decorative and Non-decorative." Spells out criteria for decorative laminates for federal installations. Wilsonart 107, 335 and 350 laminates comply.

NSF International (NSF) #35 "Laminated Plastic for Surfacing for Food Service Equipment." All solid colors and printed patterns in Basic Types 107, 335 and 350, comply.

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U.S. Federal Register, August 9, 1984, Housing and Urban Development Mobile Home Construction and Safety Standard, (24CFR) 3280.203. General Purpose Type 107 and Vertical Surface Type 335 comply.

U.S. Federal Test Method, Federal Aviation Regulation, DOT, Part 25.853, Airworthiness Standards: Transport Category Airplane (Interior Finish). Vertical Surface Type 335 and Postforming Type 350 comply with parts A and C.

U.S. Federal Motor Vehicle Safety Standard (FMVSS) 302, "Flammability of Interior Materials." Basic Types 107, 335 and 350 comply.

U.S. Military Standard MIL-P-17171E (SHIPS)/Plastic Laminate. General Purpose Type 107 complies.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Laminate
No effect was exhibited except as noted (* or **) on the following:

1. Clorox Healthcare Bleach Germicidal Cleaner *
2. Clorox Healthcare Versa Sure Cleaner Disinfectant Wipes
3. Oxivir TB
4. Oxivir 1
5. Virex II 256
6. Benefect
7. PDI Super Sani-Cloth Germicidal Disposable Wipes
8. PDI Sani-Prime Germicidal Spray
9. Expose II 256
10. Stride Floral Neutral Cleaner *
11. PURELL Advanced Instant Hand Sanitizer *

Test procedure: Listed materials were placed in contact with Wilsonart® Laminate surface under 1" (25.4mm) diameter watch cover glass for 16 hours duration prior to evaluation for effect. The branded cleaners and sanitizers listed above were cleaned with water only.

* *Causes slight change of gloss or color.*
** *Causes slight damage, with degree of damage proportionate to length of exposure and concentration.*

4. <u>Installation: Fabrication and Assembly Recommendations</u>

Fabrication should follow approved methods. Assembled pieces should meet the specifications of KCMA (Kitchen Cabinetmakers Manufacturers Association), ANSI A-161.2-1998 (revised), and "Architectural Woodwork Quality Standards, Guide Specifications and Quality Certification Program" guidelines of the Architectural Woodwork Institute where applicable.

Wilsonart laminates must be bonded to a substrate of reliable quality, such as particleboard, medium density fiberboard or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates. Basic Types laminate may not be used as structural members.

Bond with adhesives and follow the techniques recommended by the adhesive manufacturer. Recommended adhesives are permanent types, such as urea and polyvinyl acetate (PVA), and contact types. Wilsonart adhesives are recommended for most bonding conditions.

To avoid stress cracking, do not use square-cut inside corners. All inside corners should have a minimum of 1/8" (3.175mm) radius and all edges should be routed smooth.

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Drill oversized holes for screws or bolts. Screws or bolts should be slightly countersunk into the face side of a laminate-clad substrate.
Take care to ensure an appropriate acclimation between the laminate and the substrate prior to fabrication. The face and backing laminates and the substrate should be conditioned in the same environment for 48 hours before fabrication.
Recommended conditioning temperature is about 75°F (24°C). Laminates should be conditioned at 45% to 55% relative humidity.

With postforming machinery, Wilsonart 335 and 350 will postform at a nominal sheet temperature range of 325°F to 338°F (163°C to 170°C) in 20 ± 5 seconds.

Carbide-tipped saw and router blades should be used for cutting. High tool speed and low feed speed are advisable. Cutting blades should be kept sharp. Use a hold-down to prevent any vibration.

5. **Warranty**

6. **Maintenance**

7. **Technical Services**

For samples, literature, questions or technical assistance, please contact our toll-free Hotline at (800) 433-3222, Monday through Friday, 8 am – 5 pm, CST.

Specification Form:

Surface shall be Wilsonart® Laminate, produced by Wilsonart LLC, Temple, Texas 76503-6110

Type: Specify 107, 335 or 350

Surface
Color Number: _____ Color Name: _____

Finish
Number: _____ Name: _____

Edge Trim
Color Number: _____ Color Name: _____

Adhesive
Name: _____ Grade/Type: _____
Brand: Wilsonart® Adhesive

Wilsonart® Laminate Technical Data
Basic Types 107, 335, 350
Revised: September 12, 2019
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Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-010_LA-002-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Plastic Laminate
Item Type	Type 107 General Purpose (HGS) Laminate
Description	General purpose laminate product
Manufacturer	Wilsonart
Model	#7850-12
Dimensions	0.045" Plus Minus 0.005" Thickness, Standard Sheet Widths 36", 48", 60" x Standard Sheet Lengths 96", 120", 144"
Color	Beigewood
Finish	SoftGrain
Material Composition	Melamine impregnated deccorative surface papers combined with fire retardant phenolic treated kraft paper
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023 - Interior Architectural Woodwork
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Beigewood 7850-12
Warranty	1 Year
Notes	Recommended substrates for laminates are Particleboard, Medium Density Fiberboard (MDF) or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates.

SPECIAL INSTRUCTIONS

1. Run grain direction vertically unless noted otherwise.
2. PVC Edgebanding:
a. Exposed Ends: Grade VGS plastic laminate or minimum 0.030-inch thick PVC edge banding. Color to match exposed faces.
b. Semi-exposed Ends; Grade VGS plastic laminate or minimum 0.030-inch thick PVC edge banding. Color to match exposed faces.
3. Melamine at all vertical surfaces/HPL at all horizontal surfaces
4. Elevator Interior Cab: Materials shall comply with NEMA LD-3
a. Fire-Retardant Treated Particleboard Panels : Minimum ½-inch thick backup for plastic laminate veneered panels, provided with suitable anti-warp backing; to meet ASTM E84 Class “A” rating with flame-spread rating of 25 or less.

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-010_LA-002-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk
In-A-Pinch
Connection Center
Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Public Restrooms
Elevator Lobby
Administration
Lobby
Breakfast

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-010_LA-006-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Plastic Laminate
Item Type	Thermally Fused Laminate (TFL)
Description	Thermally Fused Melamine
Manufacturer	Wilsonart
Model	N/A
Dimensions	Standard panels are 49 and 61 inches. Standard panel lenth is 97 inches.
Color	Gray 1500-60
Finish	Matte
Material Composition	Laminate Composition: Melamine saturated decorative layers thermally fused to both core face surfaces with heat and pressure. Stain resistant surface with wear and scratch resistance.
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023 - Interior Architectural Woodwork
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Thermally Fused Laminate/1500-60 Gray
Warranty	1 Year
Notes	Panel Core Material: Composite panel product composed primarily of cellulosic materials and a bonding system, resulting in a durable and dimensionally stable substrate suitable for decorative laminate overlays. Panel core material can be particleboard or medium density fiberboard.

SPECIAL INSTRUCTIONS

All substrates should be sanded smooth, and should be clean and free of oil or grease, and uniform in thickness.

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

AREAS

Welcome Desk
Hub
On Us
Buffet
Flex

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

ALTERNATE MANUFACTURER 3	Fitness Center Employee Areas Elevator Lobby Administration Lobby
ALTERNATE MANUFACTURER 4	

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-010_MH-003-GR

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Concealed Hinges
Item Type	Hinges
Description	Concealed Hinges for Cabinet Doors
Manufacturer	Grass America
Model	Tiomos 110 Overlay, Half Overlay or Inset
Finish	Nickel Plated
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Screw/Nail	As recommended by Manufacturer
Finish	US15
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.
Notes	Use soft close hinges. https://tinyurl.com/2ubsjany

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Grass America
Contact Name:
Phone: 800.334.3512
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Elevator Lobby
Administration

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-010_MH-009-HA

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Magnetic Pressure Catch
Item Type	Magnetic Pressure Catch
Description	Magnetic Pressure Catch & Strike Plate
Manufacturer	Hafele
Model	245.75.310 / 246.36.390
Finish	Black / Bronzed
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Assembly Description	ML-007
Screw/Nail	As recommended by Manufacturer
Finish	Black / Bronzed
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Hafele America Co
Contact Name: Ty Lefever
Phone: (815) 315-3410
Email: ty.lefever@hafele.us

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Hub
On Us
Buffet
Fitness Center

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-010_MH-010-KV

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Shelf Supports Pins & Bussings
Item Type	Shelf Supports Pins & Bussings
Description	Shelf Supports Pins & Bussings (Exposed 5mm)
Manufacturer	KV
Model	326 Grommets w/ 330 Round Shelf Pins
Finish	Anochrome
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Screw/Nail	As recommended by Manufacturer
Finish	Anochrome
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: KV
Contact Name: Customer Service
Phone: 1(800)-253-1561
Email: customer.service@kv.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

In-A-Pinch
Fitness Center

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-010_MH-011-BW

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Soiled Towel Ring (Countertop Mtd)
Item Type	Soiled Towel Ring (Countertop Mtd)
Description	Circular Towel Chute for Mounting in Countertops
Manufacturer	Bobrick
Model	B-532
Finish	Satin Finish Stainless Steel
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Assembly Description	ML-007
Screw/Nail	As recommended by Manufacturer
Finish	Satin Finish Stainless Steel
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Bobrick
Contact Name: Scott Liss
Phone: (704) 405-0667
Email: scottl@repsouth.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

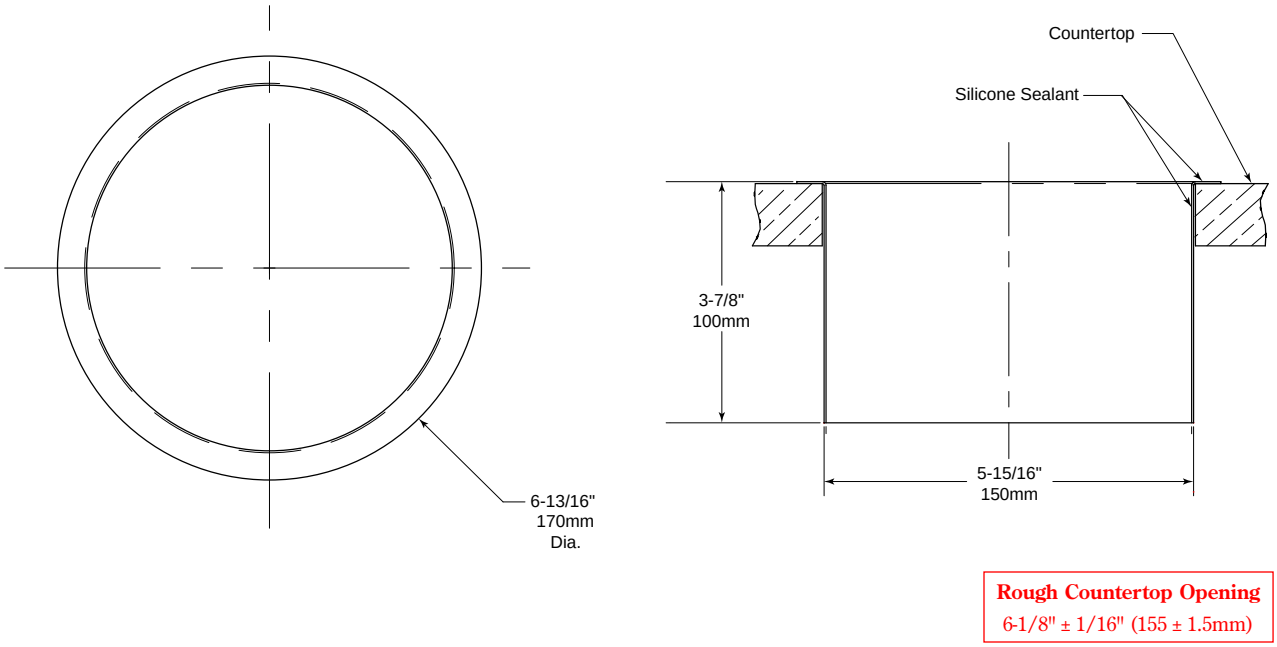
On Us
Fitness Center

BOBRICK

Technical Data

CIRCULAR WASTE CHUTE FOR MOUNTING IN COUNTERTOPS

B-532



Rough Countertop Opening
6-1/8" ± 1/16" (155 ± 1.5mm)

MATERIALS:

Circular Waste Chute — Type-300, 22-gauge (0.8mm) stainless steel. Exposed surfaces have satin finish.

INSTALLATION:

Unit is designed for installation in 6-1/8" ± 1/16" (155 ± 1.5mm) diameter hole in any countertop. To install unit permanently in place, cut hole in countertop. Fill in underside of waste chute lip and around portion of waste chute body which protrudes down into mounting hole with silicone sealant (not furnished). Install unit into countertop hole. Once unit is in place, wipe off any excess glue with a clean rag.

SPECIFICATION:

Circular waste chute for mounting in countertops shall be type-300 stainless steel with 5-7/8" (150mm) inside diameter, flat lip and satin finish on exposed surfaces. Waste chute opening shall provide access to deposit waste into waste receptacle (not furnished) placed under the countertop.

Circular Waste Chute For Mounting In Countertops shall be Model B-532 of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.

The illustrations and descriptions herein are applicable to production as of the date of this Technical Data Sheet.
The manufacturer reserves the right to, and does from time to time, make changes and improvements in designs and dimensions.

Revised 6/30/15 Printed in U.S.A.
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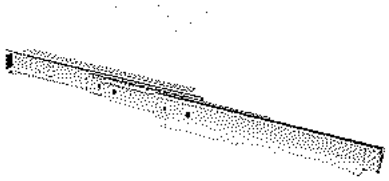
Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-010_MH-019-ACU

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:



Item Name	Millwork Hardware
Item Type	Shelf Slides
Description	Undermount Shelf Slide Non-Disconnect Over Travel
Manufacturer	Accuride
Model	301-2590
Finish	Bright electro-zinc (C)
CSI #	12 32 16 - Manufactured Plastic Laminate Clad Casework
Omniclass #	22-12 32 16 - Manufactured Plastic Laminate Clad Casework
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Accessories	#8 pan head or round head screws
Part of an Assembly	Y
Screw/Nail	As recommended by Manufacturer
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.

SPECIAL INSTRUCTIONS

At shelf slides for large drawers, verify potential loading and adjust slide type to accommodate loads.

MANUFACTURER

Vendor Name: Accuride International
Contact Name:
Phone: 562.903.0200
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk
Connection Center
Flex
Fitness Center

Accuride®

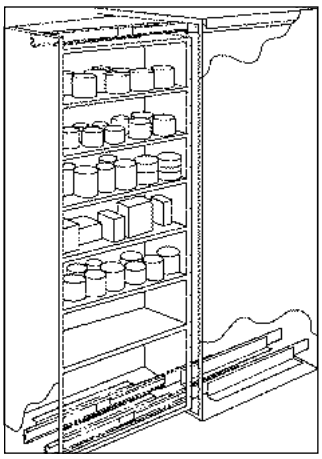
MODEL 301-2590

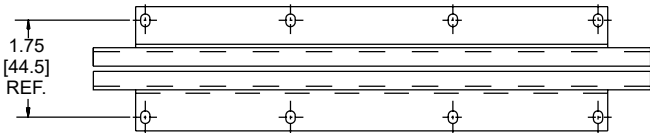
Undermount Shelf Slide
Non-Disconnect
Over Travel

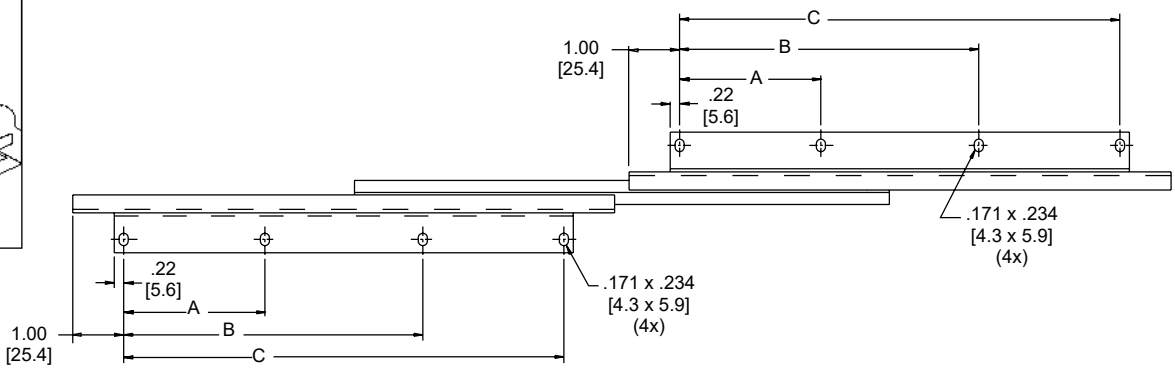
Applications: Pull-out storage shelves, kitchen pull-out pantries, and entertainment centers. Battery trays, storage bins, and generators.

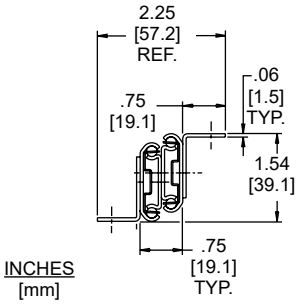
301-2590
QUICK REFERENCE

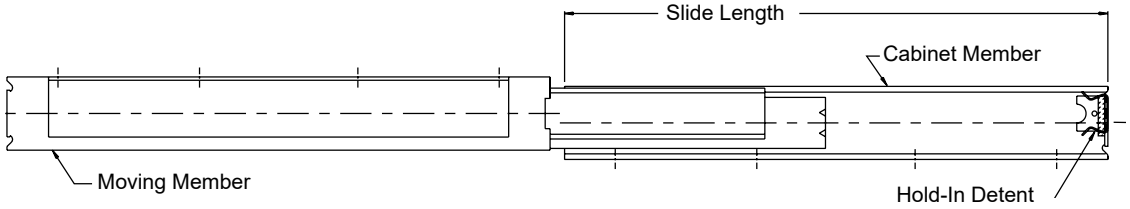
Side Space: .75" [19.1 mm] slide only
2.25" [57.2 mm] with brackets
Length: 12"–28" [305 mm–711 mm]
Overall slide dimensions: .50" x 1.62"
Load rating: Up to 155 lb. [70 kg.]*











Finish	Bright electro-zinc (C) or black zinc (CB) plating
Length	12"–28" [305 mm–711 mm]
Height	1.54" [39.1 mm]
Side Space	.75" [19.1 mm] slide only 2.25" [57.2 mm] with brackets
Load	Up to 155 lbs [70 kg]* Capacity
Travel	Slide length plus .83" [21.1 mm]
Mounting	Bracket/undermount
Hardware	#8 pan head or round head screws
Features	Hold-in detent, silenced open and closed, slide is handed

* Load rating based on a 16" wide shelf cycled 50,000 times.

Part Number	Slide Length	Slide Travel	Load Rating lb. [kg] per pair*	A	B	C
301-2590-12	12.00 [305]	12.83 [325.9]	155 [70]	4.00 [101.6]	6.00 [152.4]	10.00 [254.0]
301-2590-14	14.00 [356]	14.83 [376.7]	148 [67]	4.00 [101.6]	8.00 [203.2]	12.00 [304.8]
301-2590-16	16.00 [406]	16.83 [427.5]	140 [64]	4.00 [101.6]	10.00 [254.0]	14.00 [355.6]
301-2590-18	18.00 [457]	18.83 [478.3]	130 [59]	4.00 [101.6]	12.00 [304.8]	16.00 [406.4]
301-2590-20	20.00 [508]	20.83 [529.1]	122 [55]	7.00 [177.8]	11.00 [279.4]	18.00 [457.2]
301-2590-22	22.00 [559]	22.83 [579.9]	113 [51]	7.00 [177.8]	13.00 [330.2]	20.00 [508.0]
301-2590-24	24.00 [610]	24.83 [630.7]	104 [47]	7.00 [177.8]	15.00 [381.0]	22.00 [558.8]
301-2590-26	26.00 [660]	26.83 [681.5]	95 [43]	7.00 [177.8]	17.00 [431.8]	24.00 [609.6]
301-2590-28	28.00 [711]	28.83 [732.3]	85 [39]	7.00 [177.8]	19.00 [482.6]	26.00 [660.4]

1. Mark a line at least 1/4" [6.4 mm] in from the right side of the cabinet opening and parallel to the cabinet side.
2. Locate a point on this line 1.00" [25.4 mm] back from the desired front of the slide.
3. Using #8 pan or round head screws, mount the cabinet member bracket through the first hole at this point.

   NOTE: For maximum strength, ensure that the hold-in detent spring is installed inside the cabinet.
4. Mount the left hand slide similarly, locating the screw centerline of the cabinet member bracket at least 1/4" [6.4 mm] in from the left side of the opening.
5. Keeping the right and left hand slides parallel, install the remainder of the cabinet member screws.

   NOTE: When using soft materials such as particle board, replace rear cabinet mounting screws with through bolts.
6. With slides extended, center the shelf and drive the screws up through the moving member brackets into the bottom of the shelf.

   NOTE: If the unit is mounted too close to the floor reverse the procedure above and install the moving member screws first.

Slide Ordering Instructions

Complete your slide order for Accuride model 301-2590 by specifying the following:

20 Pair	C	301-2590	-16	D
Total Required Slides				
	Slide Finish			
		Slide Model Number		
			Slide Length	
				Optional Polybag Packaging

Packaging

Distributor (D) Pack: All lengths are packaged 5 pair per box. Polybag includes one pair of slides and mounting screws.

Bulk Pack: Slides only. Left hand slides and right hand slides are packaged in separate boxes.

Lengths 12"–18"	20 each per box
Lengths 20"–28"	10 each per box

Specifications

Slide members and ball retainers: Cold rolled steel
Ball bearings: Carburized steel

RoHS compliant

NOTE: Specifications, materials, prices, terms, and delivery are subject to change without notice.

Accuride®

ACCURIDE INTERNATIONAL INC.
12311 Shoemaker Avenue
Santa Fe Springs, CA 90670
TEL (562) 903-0200
FAX (562) 903-0208
www.accuride.com

Manufacturing, Engineering, and Sales
United States • Germany • Japan • Mexico • United Kingdom • China

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Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-010_MH-020-TK

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Cabinet Pulls
Item Type	Door & Drawer Edge Pull
Description	Square Bar Pull
Manufacturer	Top Knobs
Model	Asbury M1838
Dimensions	12"L Center to Center
Finish	Brushed Satin Nickel
CSI #	12 32 16 - Manufactured Plastic Laminate Clad Casework
Omniclass #	22-12 32 16 - Manufactured Plastic Laminate Clad Casework
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Top Knobs
Contact Name: Customer Service
Phone: 800-499-9095
Email: CustomerService@TopKnobs.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Fitness Center

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-010_PL-904-HW

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Hydration Station
Item Type	Electric sensor water dispenser
Description	Touch-free electric sensor water dispenser With carbon block filter with lifecycle control. 3-15/16"D x 15"W x 30-1/4"H / Semi-Recessed
Manufacturer	Haws
Model	2000SN - Bottle Filler with Lifecycle Control
Dimensions	Refer to attachment
Material Composition	Stainless Steel & ABS plastic
Global Specification	Y
CSI #	221000 - Plumbing Piping*
Omniclass #	22-221000
Quality Standards	Meets NSF/ANSI Standard 61, Section 9, NSF/ANSI Standards 42 & 53, NSF/ANSI 372 and CSA Standard B483.1.
Part of an Assembly	N

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Haws Corporation
Contact Name: Laura Winkler
Phone: (775) 359-4712
Email: laura.winkler@nhyates.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Fitness Center
Elevator Lobby
Lobby
Hydration Station

model 2000SN

Recessed Wall-Mount Bottle Filling Station

FEATURES & BENEFITS

QUALITY CONTROL

The Haws bottle filling station is pre-built and fully water and pressure tested to ensure no leaks and proper function for reduced installation time and added peace of mind.

SERVICING & SECURITY

Durable ABS plastic front panel allows simple access to internal components. 30 second time-out prevents unwanted use. Hidden lock and hinges discourages vandals.

ADVANCED FILTRATION

2,500-gallon (9463 L) capacity, electronic lifecycle control filter cartridge will shut off water flow when capacity is reached to ensure fresh, filtered water with every activation. Filter replacement indicator light will flash yellow when filter life is at 10% and will flash red when replacement is necessary. Preparing to replace filter is important when the filter light flashes yellow.

DURABLE FINISH

#4 satin stainless steel back panel can be easily cleaned and maintained while also resisting corrosion.

SENSOR OPERATED

Electric sensor allows for tough-free hygienic operation, eliminating the need for manual activation.

OPTIONS

- ☐ Remote Drinking Fountain Water chiller: Model HCR8, 8 gph (30.3 L) remote water chiller provides instantaneous cooling to meet a continuous demand for chilled water.
- ☐ 2000 Series Mounting Frame: Model MTGFR.HSC, galvanized steel mounting frame with grille for the 2000 series bottle filling stations.

For more information, visit www.hawsco.com or call (888) 640-4297.

SPECIFICATIONS

Model 2000SN Hydration By Haws™ water dispenser is a semi-recessed, wall-mounted wheel chair accessible bottle or cup filling station constructed of durable ABS plastic and 16 gauge, Type 304 Stainless Steel with a satin finish. It features an electric sensor for touch-free hygienic operation and a 30-second timeout preventing unwanted use, laminar flow to prevent splashing, and .5 gpm (1.9 L) flow rate for quick fill-up. 2,500-gallon (9464 L) carbon block filter reduces chlorine (taste and odor) and lead, and removes 99.99% of cysts. The mounting frame is of heavy gauge, galvanized steel. 110 volt, 60Hz, and .1 amp draw when in use. Tailpiece is 1-1/4" (32 mm) O.D. Provision for trap (not included) must be made in or behind wall. Model 2000SN has no logo for a clean, aesthetically pleasing look.

APPLICATIONS

Perfect for either public or private indoor settings, the Hydration By Haws™ bottle filling station is a great fit in areas where aesthetics are important to the overall appeal of the architecture. Specifically, this type of semi-recessed wall mounted bottle filling station is ideal for office buildings, airports, schools, manufacturing facilities and municipalities.Model 2000SN meets the Americans with Disabilities Act when mounted at the correct height. Haws manufactures drinking fountains and electric water coolers to be lead-free by all known definitions including NSF/ANSI Standard 61, Section 9, NSF/ANSI Standards 42 & 53, NSF/ANSI 372 and CSA Standard B483.1. Product is compliant to California Health and Safety Code 116875 (AB 1953), California Proposition 65 and the Federal Safe Drinking Water Act. Model 2000S is certified to the Standard for Water Treatment Appliances (UL979).

DISCLAIMER: Continued product improvements make specifications subject to change without notice. Check www.hawsco.com for the latest product information and updates.

INSTALLATION GUIDE

1455 Kleppe Lane ◆Sparks, NV 89431-6467 ◆(888) 909-4297
◆ website: www.Hawsco.com

No. 0510000663 (2)

Model 2000S/2000SN
Bottle Filler with Lifecycle Control

NOTE: A Class A ground-fault circuit interrupter (GFCI) shall be installed in the branch-circuit supplying power to this unit.

CAUTION! Prior to making any electrical connections, verify with a voltmeter that power from the service panel is **off.**

SHOULD YOU EXPERIENCE DIFFICULTY WITH THE INSTALLATION OF THIS MODEL, OR REQUIRE REPLACEMENT PARTS, PLEASE CALL:

TECHNICAL SUPPORT:
1-800-766-5612

HOURS OF OPERATION: MON-THURS 7:00a.m. - 4:30p.m PT, FRI 7:00a.m.- 11:00a.m. PT

QUICK START REFERENCE

PARTS LIST: 1 bottle filler, 1 filter cartridge, 1 plastic drain basin, 1 brass waste bend, 1 waste nut, 1 rubber waste washer, 1 hex key, 2 drain basin screws, 2 drain basin screw washers.

RECOMMENDED TOOLS: Phillips screwdrivers, level, slip joint pliers.

REQUIRED PARTS (NOT SUPPLIED): Qty. 6 – 10 #6 sheet metal or wood screws (depending on construction of wall studs), 1/2” screwdriver stop, 3/8” tubing (to be used for water supply inlet), 1-1/4” trap, qty. 3 wire connectors.

PRODUCT INSTALLATION: When installing this product, local, state or federal codes should be adhered to. This unit is certified for indoor use only.

SUPPLY LINE: Minimum recommended line size is 1/2" IPS with 30-90 PSI (2-6 ATM) flowing pressure; supply water is to be cold water supply. Intended for municipal water only.

PLUMBING CONNECTIONS: Inlet is 3/8” O.D. push-in type fitting. Waste bend is 1-1/4” O.D. pipe; an acceptable trap must be used after waste bend.

ELECTRICAL CONNECTIONS: 115VAC, 60HZ, approx. 0.14A. Unit wired directly to incoming line (stripped leads provided).

RATED SERVICE FLOW: 0.5 GPM (2725L/day)
OPERATING TEMPERATURE: 35–100˚F (1.7–37.8˚C)
OPERATING PRESSURE: 30-90 PSI
FILTER CAPACITY: 2500 gallons (9460L) or 1 year
REPLACEMENT FILTER CARTRIDGE: Electronic Lifecycle Control Filter Model 6423

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INSTALLATION PROCEDURE

WARNING: Make certain power is disconnected before installation to reduce risk of electrical shock.

WARNING: Filter is not intended to withstand operating pressures greater than 100 PSI (6.8 ATM). If inlet pressure is greater than this, filter must be protected with a pressure regulator.

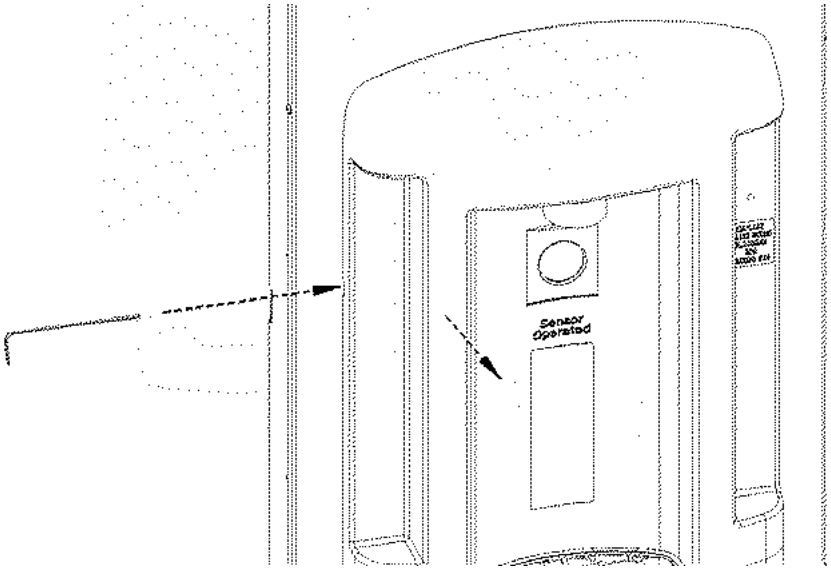
NOTES:

1. **This unit is certified for indoor use only.**
2. **For all plastic push-in type fitting connections, only connect NSF-61 copper or plastic tubing. Stainless steel or glass tubing is not recommended. The following assembly instructions must be followed to ensure a watertight connection:**
   - **a. Cut tubing square and clean.**
   - **b. Mark from end of tube the length of insertion (See table below).**
   - **c. Push tube into the fitting until it bottoms out.**
   - **d. To remove, depress collet and pull tubing out.**

Tube Sizes	O.D. Tolerance	Insertion Depth
1/4”	±.005”	11/16”
3/8”	±.005”	3/4”
1/2”	±.005”	7/8”

3. **Use NSF-61 approved pipe joint sealant on all threaded water connections.**
4. **Do not use with water that is microbiologically unsafe or unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.**
5. **Use the cardboard inserts from the box to support the unit while preparing for installation by placing unit face down on inserts.**

Step 1: To open the unit, slide the supplied hex key into the notch in the left-hand side of the hinged upper plastic panel and press the key firmly in that same direction. This will disengage the internal spring latch. Simultaneously pull open the hinged panel (see Step 1 Diagram). Take care not to damage the stainless steel panel or the spring latch in this process.

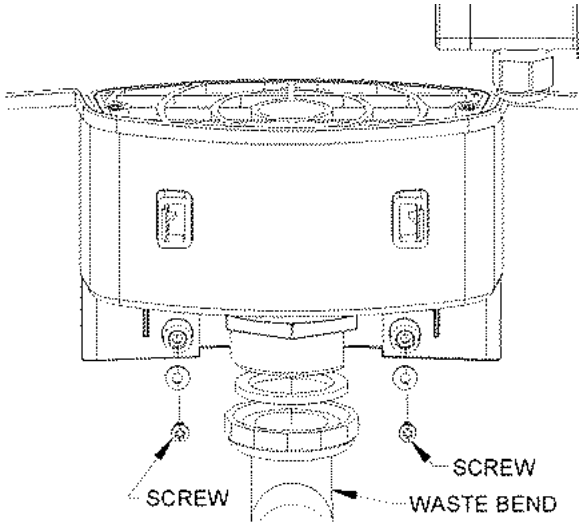


Step 1 Diagram

Step 2: Unscrew the 4 side-mounted panel screws on the outside of the bottle filler using the

supplied hex key, and remove the mounting frame from the bottle filler (see Step 2 Diagram).

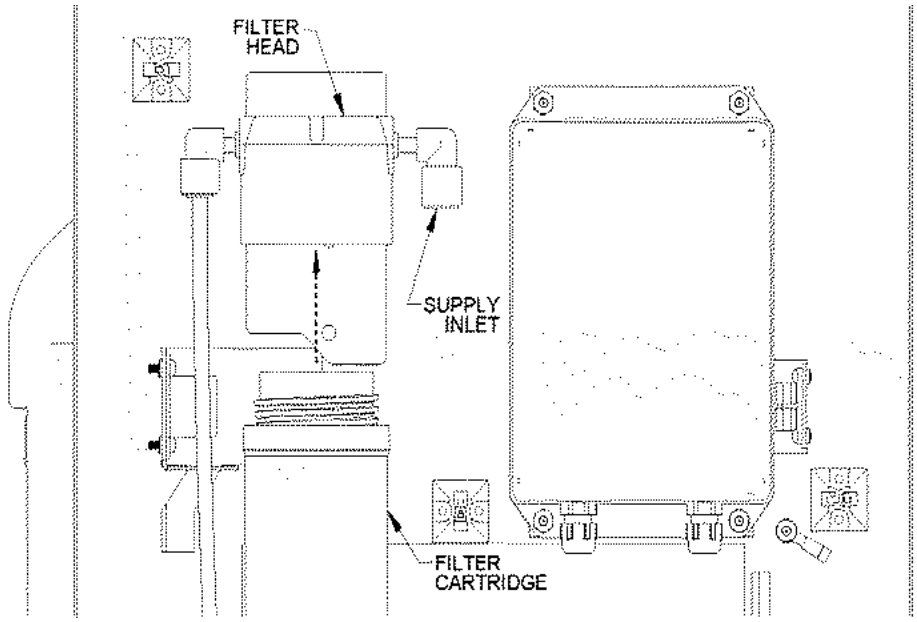
Step 3: Use the 2 washers and the 2 screws supplied to attach drain basin to unit as shown in Step 3 diagram (other components removed for clarity).
Install waste bend with nut and rubber washer as shown (see Step 3 Diagram).



Step 3 Diagram
(Back View)

Step 2 Diagram

Step 4: Firmly screw filter cartridge into filter head (see Step 4 Diagram). NOTE: Bottle filler will work only if a filter cartridge is installed and its wiring is plugged in (see Step 9).

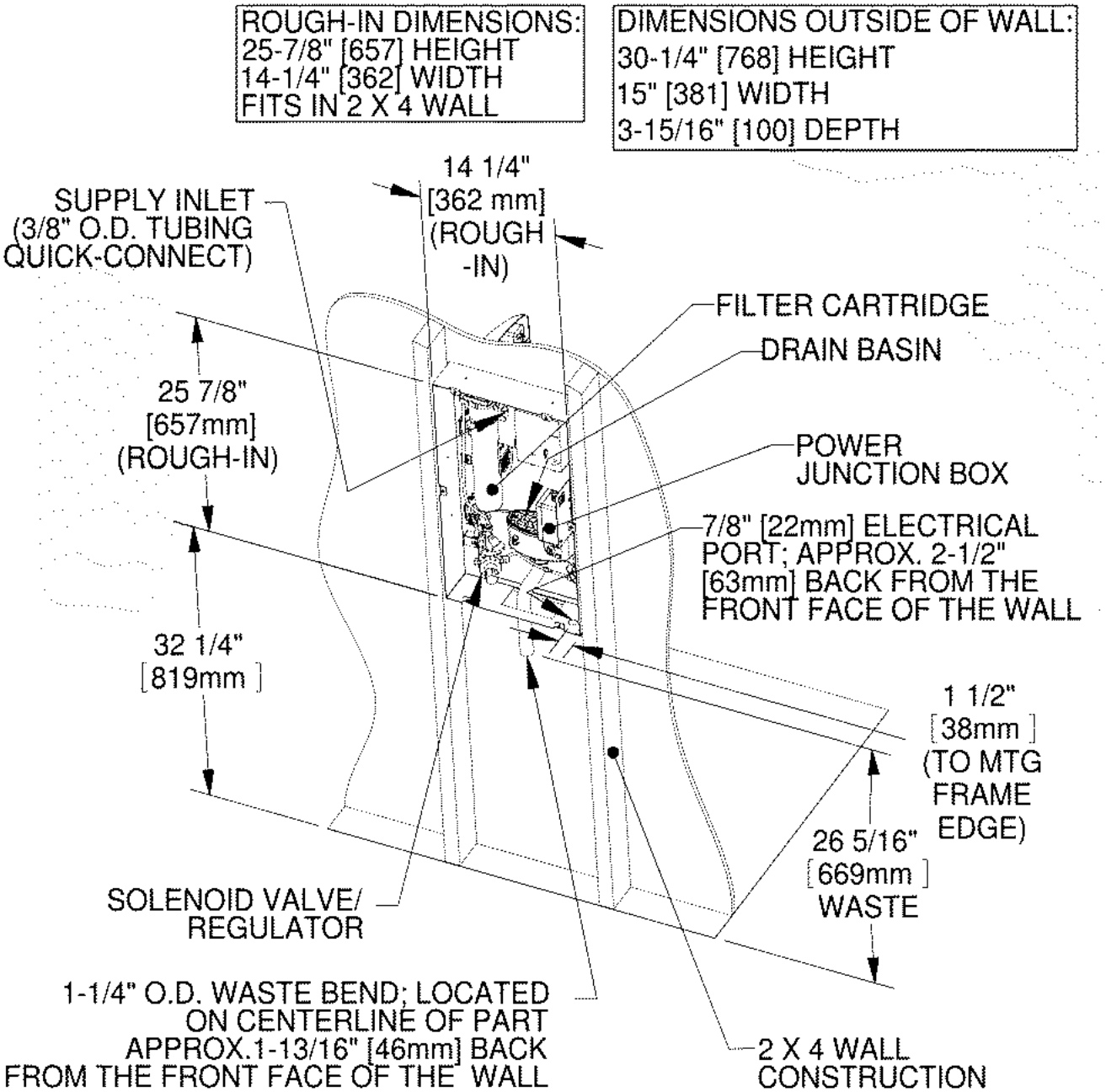


Step 5: Create a wall opening for the unit as shown in Step 5 Diagram – hold rough-in dimensions to within 1/8". The bottle filler is designed to fit between two normally spaced 2 X 4 studs (16" center-to-center).
Install waste line, supply line, and electrical lines in locations shown. The supply line should be brought up through the rectangular waste cutout in the bottom of the unit. Double-check waste, supply, and electrical line locations.
Install a 1/2" IPS supply screwdriver stop (not supplied) into the water supply line where it will be readily accessible.

NOTE: A suitable trap must be used in conjunction with the waste. This trap should be positioned in a location where it can be accessed and removed (it may be helpful to use a wall-mounted access panel).

NOTE: When installing this unit, all pertinent local, state, or federal codes should be adhered to.

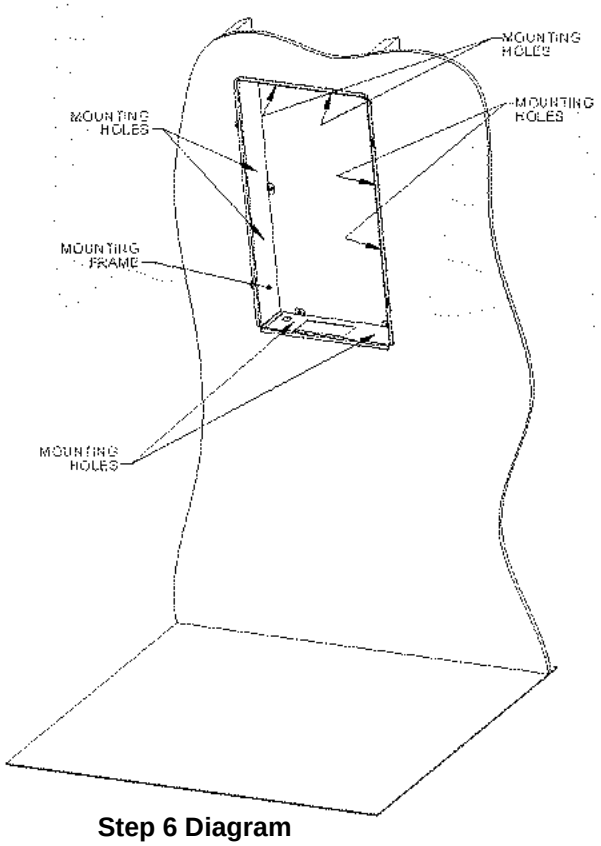
Bottle filler (rear cover removed) viewed from behind wall



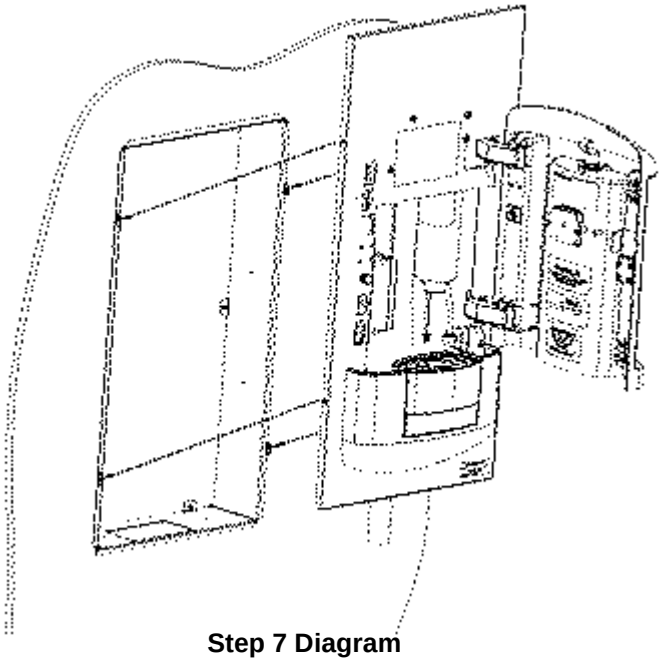
Step 5 Diagram

Step 6: Place the mounting frame into its opening such that it sits flush against the wall. Use some appropriate #6 screws (between 4 & 8 as required; not supplied) to secure the frame into the wall; notice that mounting holes are provided in the top, bottom, and sides of the mounting frame (see Step 6 Diagram).

Use a level to verify that the mounting frame is level horizontally and vertically; this will help to assure proper drainage and water flow that is properly aligned.



Step 6 Diagram

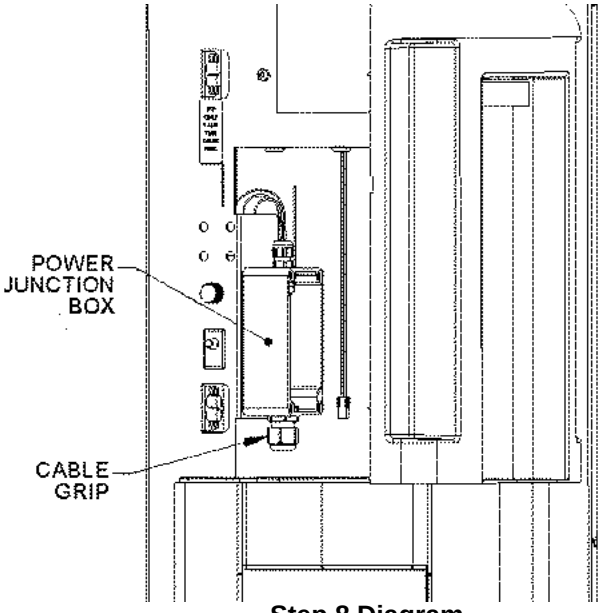


Step 7 Diagram

Step 7 Diagram

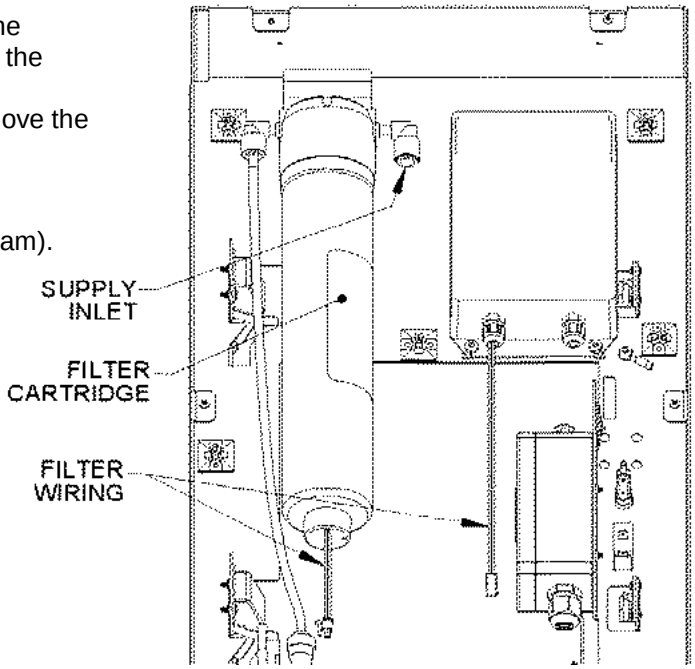
Step 7:
Place the bottle filler onto its mounting frame and make the connection between the bottle filler waste and the plumbed-in waste line.
Secure the bottle filler to the mounting frame using the 4 screws removed in Step 2 (see Step 7 Diagram).

Step 8: Open the power junction box; run supply power wiring through the bottom cable grip. Connect supply power to lead (black), neutral (white), and ground (green) wires inside the box (stripped leads provided) (see Step 8 Diagram). Replace cover.



Step 8 Diagram

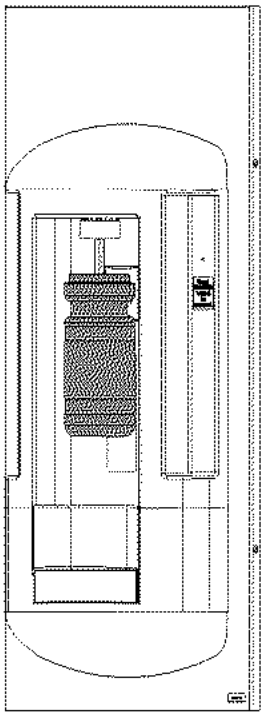
Step 9: Run 3/8" tubing (not supplied) between the screwdriver stop (installed in Step 5) and the bottle filler's supply inlet elbow in the filter head (it may help to temporarily remove the filter cartridge – see Step 9 Diagram). Connect the wiring coming off of the filter cartridge to the wiring coming out of the circuit board enclosure (see Step 9 Diagram).



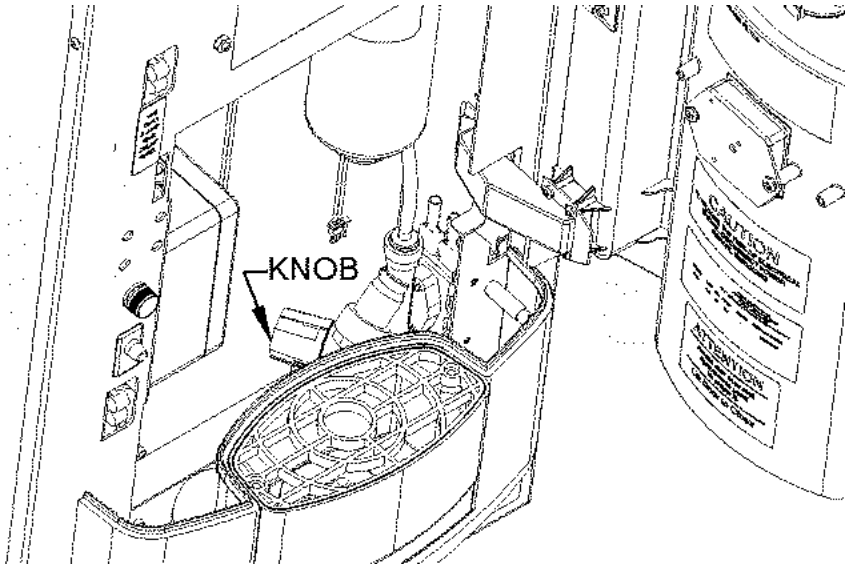
Step 9 Diagram (Back View)

Step 10: Open the screwdriver stop **wide open** and check for leaks. Close the hinged upper panel and provide power to the bottle filler.

Step 11: Activate the bottle filler by placing a bottle or cup in front of the sensor (see Step 11 Diagram A). If water does not dispense, see the Troubleshooting Guide in the Owner's Manual. The pressure regulator may need to be adjusted to better complement the input pressure at the installation site (see Step 11 Diagram B below). To do so, pull out the adjustment knob and rotate as needed (clockwise from the front of the unit decreases flow); push knob in when desired flow is achieved. * Flow rate is factory set to the maximum flow rate for reduced water consumption.



Step 11 Diagram A



Step 11 Diagram B

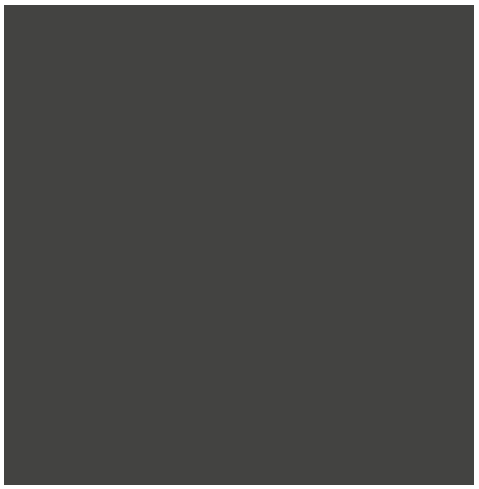
Step 12: **Approximately five gallons** of water must be run through the system after the unit is installed in order to remove the loose carbon particles from the filter cartridge and any air bubbles from the system (both of these are normal occurrences after a filter change). Check the system for leaks. Place hex key in a secure location.

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-010_PTW-006-SW

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:



Item Name	Paint - Wall
Item Type	Interior Water-based Acrylic Latex Paint
Description	Interior Gypsum Board Wall Paint
Manufacturer	Sherwin Williams
Model	ProMar 200 ZeroVOC Interior Latex (B20 Series)
Color	SW7069 Iron Ore
Finish	Eg-Shel
CSI #	099000 - Painting
Omniclass #	22-099000
Best Practices	Low-VOC, UL Greenguard Certified
Quality Standards	Interior paint: Comply with Green Seal GS-11; MPI Architectural Painting Specification Manual; 40 CFR, Part 59, Subpart D 2001, National Volatile Organic Compound Emission Standards for Architectural Coatings
Eco-Feature(s) *as per manufacturer	Formulated without lead, mercury or chromates.
Product Type	ProMar 200 ZeroVOC Interior Latex (B20W12651)
Finish	Eg-Shel
Lead Time	Standard lead times are 3-5 days from receipt of purchase order. Lead time should be confirmed by the manufacturer.
Warranty	Limited Lifetime

SPECIAL INSTRUCTIONS

Primer, undercoat, block filler, finish coat(s) are to be compatible and of the same manufacturer. All primers and undercoats are to be tinted to 50% lighter than the selected and approved finish coat color. All finish coats are to be tinted 25% darker than the primer coat until approved finish coat color is achieved. When the color schedule calls for the use of DEEP TONES (interior and/or exterior), it is the responsibility of the painting contractor to utilize the appropriate Deep Base Primers as manufactured by the painting company for use on the substrate for which they are intended.
Required Wall Finish Levels:
All walls to receive VWC are to have a Level 3 (minimum) Gypsum Board Finish.
All walls to receive Paint (or light to medium weight wall covering) are to have a Level 4 Gypsum Board Finish. All walls to receive Gloss, Enamel Paint, or Murals
to have a Level 5 Gypsum Board Finish.

MANUFACTURER

Vendor Name: Sherwin Williams
Contact Name: Matt Wessel
Phone: (216) 515-7925
Email: mwessel@sherwin.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

AREAS

Fitness Center
Reception
Corridors
Elevator Lobby

ALTERNATE MANUFACTURER 4	

101.83A

ProMar® 200 Zero V.O.C.
Interior Latex Eg-Shel

B20-2600 Series

CHARACTERISTICS

ProMar 200 Zero V.O.C. Interior Latex Eg-Shel is a durable, professional quality, interior vinyl acrylic finish for use on walls, ceilings, and trim of primed plaster, wallboard, wood, masonry, and primed metal.

Color: Most Colors

To optimize hide and color development, always use the recommended P-Shade primer

Coverage: 350 - 400 sq. ft. per gallon @ 4 mils wet; 1.7 mils dry

Drying Time, @ 77°F, 50% RH:

Touch:	1 Hour
Recoat:	4 Hours

Drying and recoat times are temperature, humidity, and film thickness dependent

Finish: 15-20 units @ 85°
5+ units @60°

Tinting with CCE only:

Base:	oz. per gallon	Strength:
High Ref White	0-6	SherColor
Extra White	0-7	SherColor
Deep Base	4-12	SherColor
Ultradeep Base	10-12	SherColor
Real Red	0-12	SherColor
Bright Yellow	0-12	SherColor
Dover White		do not tint

Extra White B20W12651
(may vary by color)

V.O.C. (less exempt solvents):
less than 50 grams per litre; 0.42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids: 42 ± 2%

Weight Solids: 54 ± 2%

Weight per Gallon: 10.82 lbs

Flash Point: N/A

Vehicle Type: Vinyl Acrylic

Shelf Life: 36 months unopened

WVP Perms (US): 54.19 grains/(hr ft2 in Hg)

Anti-microbial
This product contains agents which inhibit the growth of mold and mildew on the surface of this paint film.

COMPLIANCE

As of 08/10/2020, Complies with:

OTC	Yes
OTC Phase II	Yes
SCAQMD	Yes
CARB	Yes
CARB SCM 2007	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	Yes
MIR-Product Lens Certified	Yes
MPI®	Yes

APPLICATION

Apply at temperatures above 50°F.
No reduction needed.

Brush:

Use a nylon-polyester brush.

Roller:

Use a 3/8 to 3/4 inch nap synthetic cover.

For specific brushes and rollers, please refer to our Brush and Roller Guide on sherwin-williams.com

Spray—Airless

Pressure	2000 p.s.i.
Tip	.017-.021 inch

APPLICATION TIPS

Make sure product is completely agitated (mechanically or manually) before use.

Priming and application of two coats at the recommended film thickness can help where hiding of a previous coating or application to new drywall is a factor.

Using the same method of application and batch to touch up with as that originally used will help improve touch up.

When original application was by spray, preconditioning of touch up paint by running it through the spray tip will help touch up appearance.

SPECIFICATIONS

Block:
1 coat ConFlex Block Filler*
2 coats ProMar 200 Zero V.O.C. Interior Latex

Drywall:
1 coat ProMar 200 Zero V.O.C. Latex Primer
2 coats ProMar 200 Zero V.O.C. Interior Latex

Masonry:
1 coat Loxon Concrete & Masonry Primer*
2 coats ProMar 200 Zero V.O.C. Interior Latex

Plaster:
1 coat Loxon Concrete & Masonry Primer*
2 coats ProMar 200 Zero V.O.C. Interior Latex

Wood:
1 coat Premium Wall & Wood Primer*
2 coats ProMar 200 Zero V.O.C. Interior Latex

*These primers contain less than 50 grams per litre V.O.C.

Other primers may be appropriate.

When repainting involves a drastic color change, a coat of primer will improve the hiding performance of the topcoat color.

continued on back

ProMar® 200 Zero V.O.C.
Interior Latex Eg-Shel

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (**NIOSH** approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer-sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Caulking:

Gaps between walls, ceilings, crown moldings, and other interior trim can be filled with the appropriate caulk after priming the surface.

Drywall:

Fill cracks and holes with patching paste/ spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust.

Masonry, Concrete, Cement, Block:

All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces can be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer.

SURFACE PREPARATION

Mildew:

Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

Plaster:

Bare plaster must be cured and hard. Textured, soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with clear water and allow to dry.

Wood:

Sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth.

CAUTIONS

For interior use only.
Protect from freezing.
Non-photochemically reactive.

Before using, carefully read **CAUTIONS on label**

CRYSTALLINE SILICA Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (**NIOSH** approved) or leave the area. Adequate ventilation required when sanding or abrading the dried film. If adequate ventilation cannot be provided wear an approved particulate respirator (**NIOSH** approved). Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.** Abrading or sanding of the dry film may release crystalline silica which has been shown to cause lung damage and cancer under long term exposure. WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

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CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS.

Employee Breakroom Kitchenette_ML-011

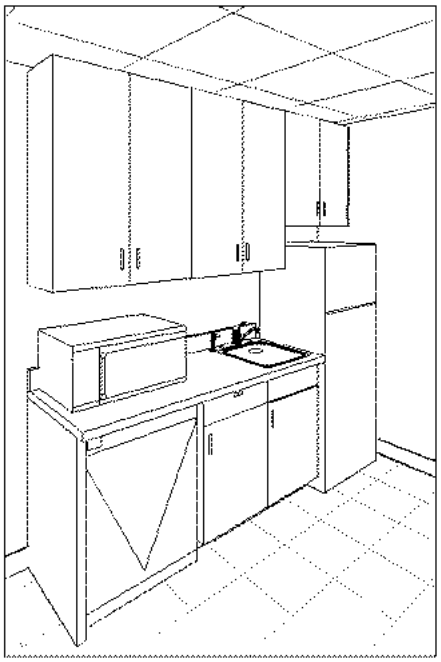
Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-011

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Employee Breakroom Kitchenette Millwork
Item Type	Public Millwork
Description	Plastic Laminate Clad Custom Millwork consisting of plumbing, cabinets, drawers, shelves, and countertops.
Manufacturer	R.B. Woodcraft, J. Suss Industries; MGroup; MillRock Casework
Model	Not Applicable
Dimensions	Refer to Design Guideline Drawings
Color	Refer to Design Guideline Drawings and Building Product Manual
Finish	Refer to Design Guideline Drawings and Building Product Manual
Material Composition	Cabinet to Door Interface shall be Frameless, Flush (Full) Overlay. Grain direction to be horizontal on doors, drawer fronts, knee space panels, aprons & end panels.
CSI #	12 32 16 - Manufactured Plastic Laminate Clad Casework
Omniclass #	22-12 32 16 - Manufactured Plastic Laminate Clad Casework
Grade	Lumber shall be in accordance with the AWS Grade specified for the product being fabricated. Moisture content shall be 6% to 12% for boards up to 2-inches nominal thickness, and shall not exceed 19% for thicker pieces.
Classification	Particle Board: ANSI A208.1, Mat-Formed Particle Board, Grade 1-M-2, with minimum density of 45 pcf. Internal bond of 60 psi, and minimum screw holding capacity of 225 lb. on faces and 200 lb. on edges. Hardboard: ANSI A135.4, Class 1, tempered. E. MDF: ANSI A208.2, Grade 130.
Acoustical Performance	Door & Drawer bumpers to be placed on all cabinet doors and drawers.
Best Practices	Use products with no urea-formaldehyde resins. Use adhesives with Low VOC content.
Quality Standards	Architectural Woodwork Standards (AWS)
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	N
Design & Construction	See attached specifications. All listed millwork must be manufactured in accordance with the attached specifications.
Lighting	Not Applicable
Plastic Laminate	Refer to Specifications
Millwork Hardware	Refer to Specifications

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date: **Nov 23, 2022**

Pattern/ Color	Refer to drawings for finishes. Review and approval of finish samples required prior to manufacturing.
Fabric Wrapped Panels	Not Applicable
Lead Time	TBD
Notes	1. Public Space Casework: Interior face of exposed cabinet units shall be Thermoset Decorative Overlay (melamine), to match door fronts as shown in the Design Guideline Drawings. a. Exposed & Semi-Exposed ends: Grade VGS plastic laminate or minimum 1mm thick PVC edge banding. Color to match exposed faces. b. Interior unexposed face of units that are likely to become wet should be constructed of polyester overlaid plywood cabinet liner materials: Cabinet Liner Industrial Panel by Olympic Panel Products, LLC or approved substitution. 2. Top and Bottom Rails; and Sub-toe Boards: Not less than 3/4-inch particleboard faced with Grade VGS plastic laminate to match door and drawer fronts. Machine ends for wood-dowel or mechanical dowel fasteners to receive top, bottom, and back. Base ends to extend to floor. Finish exposed ends to match doors and doors and drawer fronts. 3. Unexposed Ends: Not less than 3/4-inch tempered hardboard; finished with Thermoset Decorative Overlay (Melamine). Attach to front frame in same manner as exposed ends. 4. Back Panels: Not less than 1/4-inch tempered hardboard or MDF; finished with Thermoset Decorative Overlay (Melamine). 5. Doors 48 Inches or Less in Height: 3/4 inch thick, Particle Board cores. Front faces to be Grade VGS plastic laminate overlay, and back faces to be Thermoset Decorative Overlay (melamine). Provide stop silencers at the top and bottom of all hinged doors. 6. Shelving (within cabinetry): Not less than 3/4" particle board with Thermoset Decorative Overlay (melamine) to match cabinet interior, PVC edge banding; adjustable at least every 1-1/2 inch; clear plastic [seismic] shelf clip pressed into 5mm holes bored in cabinet side. Fabricate base shelf to half depth. Exposed Fixed Shelving Units: Front faces to be Grade VGS plastic laminate overlay. 7. Filler Strips: Provide as needed to close spaces between cabinets and walls, ceilings, and indicated equipment. Fabricate from same material and with same finish as cabinets. Oversize for field cutting to suit field conditions and assure continuous enclosure of open spaces. Provide raw (unfinished) cleats at blind corners and appliance openings as required to support countertops, minimum 3/4-inch x 1-1/2 inch x

8 foot length, to be field cut and fit by the installer.
8. Base Cabinet Units:
a. Base Cabinet Top Frames: 3/4-inch solid wood with mortise and tenon or doweled connections, glued and pinned or screwed. Base Cabinet Stretchers: 3/4-by-4-1/2-inch plywood, Particle Board, or MDF strips or solid-wood boards at front and back of cabinet, glued and pinned or screwed.
b. Base Cabinet Stretchers may be provided as an option to base cabinet top frames.
c. Bottoms: Not less than 1/2-inch hardwood plywood faced with Thermoset Decorative Overlay (Melamine) to match door and drawer fronts, fully supported by and secured in rabbets in end panels, front frame, and back bottom rail.
d. Corner Blocks: Glued and fastened in each of four top corners to maintain cabinet squareness and rigidity.
9. Drawers:
a. Provide box-type construction with sub-front and back joined with glued dovetail or rabbeted into sides and secured with glue and mechanical fasteners. Clear coat all exposed surfaces. Match color of sides and bottoms with drawer fronts.
b. Drawer Fronts: 3/4-inch-thick, Particle Board cores. Front faces to be Grade VGS plastic laminate overlay, and back faces to be Thermoset Decorative Overlay (melamine).
c. Drawer Sides Sub-fronts, and Backs: Not less than 1/2-inch hardwood dovetail construction or 3/4-inch thick Particle Board faced with Thermoset Decorative Overlay (melamine). Provide PVC edge banding to match finish of fronts.
d. Exposed fronts fastened to Sub-fronts with mounting screws from interior of body.
e. Drawer bottom of not less than 1/4-inch thick plywood faced with Thermoset Decorative Panel overlay (melamine), set into rabbets in back, sides, and sub-fronts.
10. Wall Cabinet Units:
a. Tops and Bottoms: Not less than 1/2-inch hardwood plywood faced with Thermoset Decorative Overlay (Melamine) to match door and drawer fronts, fully supported by and secured in rabbets in end panels, front frame, and back rail.

SPECIAL INSTRUCTIONS

Architect / General Contractor to coordinate millwork with equipment sizes and requirements, to include appliances, plumbing fixtures, lighting, power/data etc.

MANUFACTURER	AREAS
Vendor Name: RB Woodcraft Inc	Employee Areas

Contact Name: Drew Brooks
Phone: (315) 474-2429
Email: drewbrooks@rbwoodcraft.com

ALTERNATE MANUFACTURER 2

Vendor Name: J Suss Industry
Contact Name: Liane Alexander
Phone: (866) 769-5666
Email: liane@jsuss.com

ALTERNATE MANUFACTURER 3

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 4

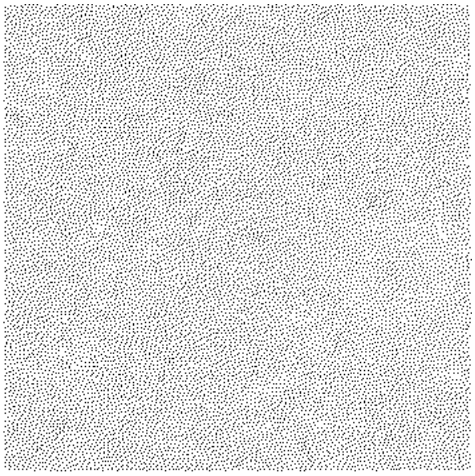
Vendor Name: Millrock
Contact Name: Jared Jaudon
Phone: (540) 437-3458
Email: jjaudon@millrock.com

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-011_CT-001-BS

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Belstone
Model	Dodi
Dimensions	Refer to Design Guideline Drawings
Color	Demitasse
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Notes	Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 2

Vendor Name: MGroup
Contact Name: Drew Murray

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Public Restrooms

Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 3

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

ALTERNATE MANUFACTURER 4

Vendor Name: Daltile
Contact Name: Morgan Stephenson
Phone: (214) 309-4531
Email: morgan.stephenson@daltile.com

Elevator Lobby
Hydration Station

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-011_CT-001-DA

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Daltile
Model	One-Quartz
Dimensions	Refer to Design Guideline Drawings
Color	QQ20-Aspen Gray
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Thickness	2cm Unless Otherwise Noted. Refer to Details Eased Edge.
Notes	Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

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Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: Daltile
Contact Name: Morgan Stephenson
Phone: (214) 309-4531
Email: morgan.stephenson@daltile.com

AREAS

Hub
On Us
Buffet

ALTERNATE MANUFACTURER 2

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 3

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 4

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

Flex
Fitness Center
Employee Areas
Public Restrooms
Hydration Station
Lobby

WALL | COUNTERTOPS

ONE QUARTZ SURFACES®

daltile®

ONE QUARTZ SURFACES®

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SLAB

USAGE

FLOOR

WALL

COUNTERTOP

SHOWER FLOOR

EXTERIOR FLOOR

STEPWISE

TRU-EDGE

SPECIAL FEATURES

MADE IN THE U.S.A.

LARGE FORMAT

MOSAIC/ DECO

ENCAUSTIC

TERRAZZO

PAVER

CUSTOMIZE

FLEXFIT™

Q

LOW HIGH

SEE CHARTS FOR FULL PRODUCT DETAILS

*MADE IN THE USA WITH IMPORTED MATERIAL.

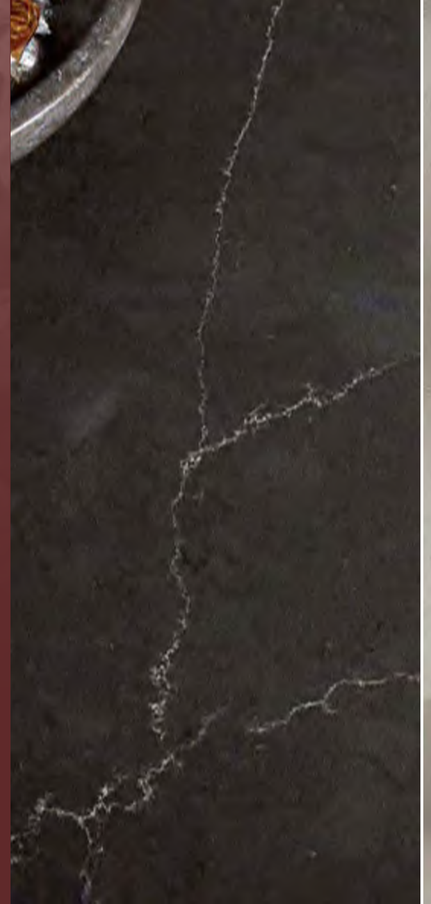
FROM NATURE CHIC – TO CITY SLEEK

With the ONE Quartz Surfaces® assortment, we've brought together the beauty of quartz and modern technology to create new and exciting possibilities. ONE Quartz Surfaces® gives you more design choices for your next project. The low maintenance and durability of ONE Quartz Surfaces® countertops make it perfect for any application, commercial or residential. Functional yet chic, that's what ONE Quartz Surfaces® is all about.

AVAILABLE IN:

Within these unique series, you'll have more selection than ever before.

- Marble Look
- Stone Look
- Concrete Look
- Monochromatic Look



ML-01_CT-001-DA

MARBLE LOOK

Dazzle in design with charming details which embody the luxury of the finest marble. Create drama with striking vein patterns, or infuse tranquility with subtle marbling. This look allows you to create elegant styles with outstanding durability.

Made in the USA with imported material.

ML-01_CT-001-DA

RUSHMORE OQ41

FREEDOM CALACATTA OQ42

WASHINGTON OQ43

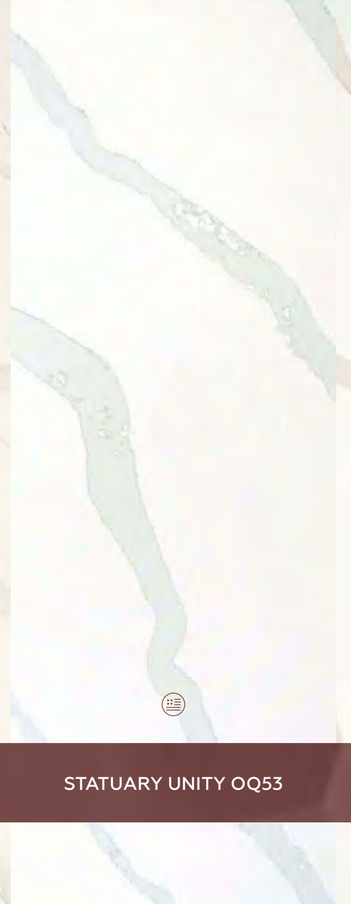
LIBERTY CALACATTA OQ44

LIBERTY GOLD OQ45

PATRIOCTIC CALACATTA OQ47

ML-011_CT-001-DA

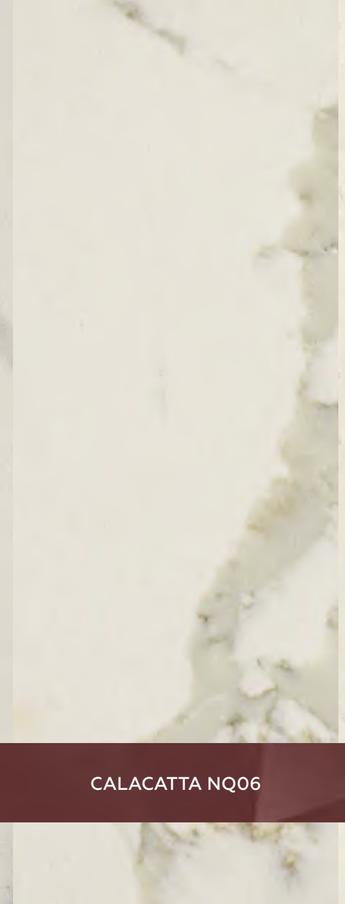
INDEPENDENCE CALACATTA OQ48



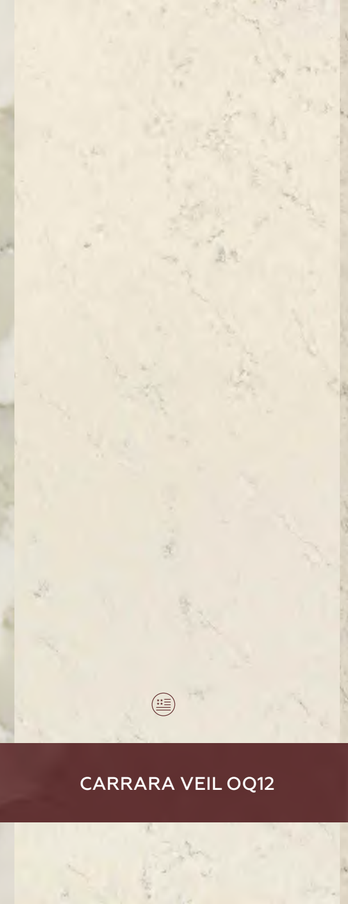
STATUARY UNITY OQ53

STATUARY GLORY OQ52

WHITE STATUARY NQ12



CALACATTA NQ06



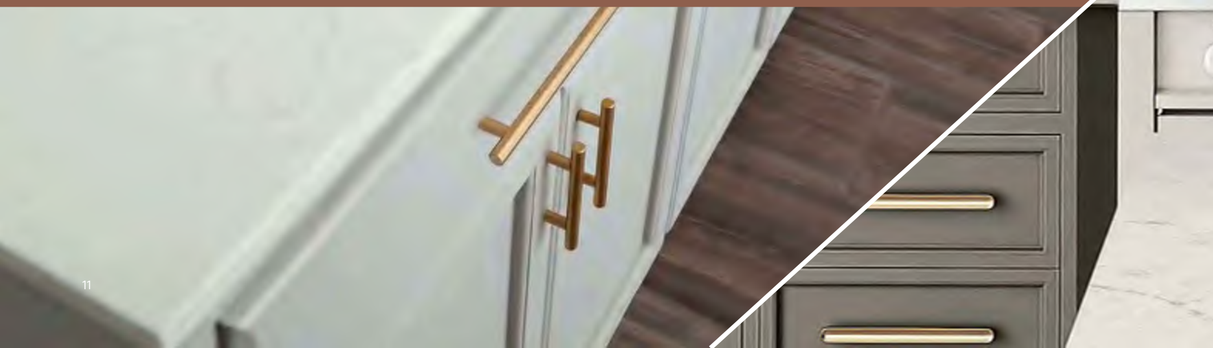
CARRARA VEIL OQ12

CARRARA AURA OQ09

BROADWAY BLACK OQ03
Also stocked in Leather finish

STONE LOOK

Enjoy the opulent beauty of stone with the benefits of extraordinary endurance. From travertine and limestone visuals, the many color choices are versatile for any design. Increase the style in your space with a majestic stone look.

Made in the USA with imported material.

VALOR WHITE OQ55

CAPITOL BEIGE OQ57

NOBLE GREY OQ56

ARCHES OQ33

NIAGARA OQ32

ROCKY MOUNTAIN OQ34

GOLDEN GATE OQ37

JASMINE WHITE OQ27

ML-011_CT-001-DA

KODIAK OQ21

ASPEN GREY OQ20

WHITE SAND NQ97

ALMONDINE NQ36

EQUINOX OQ23

AVENUE WHITE OQ01
Also stocked in Leather finish

ALPINE WINTER OQ19

RIVERBANK NQ93

CONCRETE LOOK

Concrete features organic natural looks, bustling with city style and sophistication. Add an urban chic feel with looks that closely mimic the essence of poured concrete, while the smooth matte finish adds a touch of refinement.

Made in the USA with imported material.

ML-011_CT-001-DA

ML-01_CT-001-DA

LINCOLN WHITE NQ59

ASH GREY NQ69
Also stocked in Honed finish

CABRINI GREY NQ51

MERCER GREY NQ52

LUDLOW TAN NQ55

COLUMBUS BROWN NQ56

CONCRETE GREY NQ87

MONOCHROMATIC LOOK

Infuse your space with the raw beauty of a monochromatic look. Choose from a speckled look with flecks of character or subdued solids for a more contemporary space. From the purest white to the blackest black, the opportunities are endless.

Made in the USA with imported material.

CHIPPED ICE NQ91

MORNING FROST NQ30

WOVEN WOOL NQ09

SIMPLY WHITE NQ76
ONE Quartz Basics

SIMPLY GREY OQ30
ONE Quartz Basics

SIMPLY BEIGE OQ29
ONE Quartz Basics

ML-011_CT-001-DA

WHITE ICE NQ90

FRESH LINENS NQ66

EVENING GREY NQ43

BRUSHED FLANNEL NQ60

MESA DUNE NQ89

METEOR SHOWER NQ25

PRODUCT **INFORMATION**

PRODUCT INFORMATION

Finishes	Actual Size		Thickness
	DOMESTIC COLORS	IMPORTED COLORS	
Polished	135-7/8" x 78-3/4" (345 cm x 200 cm)	Please reach out to local stone center for size details on all sourced products. Slab sizes vary.	1-1/4" (3 cm) & 3/4" (2 cm)

Custom slab finishes in semi-polished, honed and leather are available by special order.
Not all colors available in alternative finishes. Please contact your local slab center for availability.

			RESISTANCE						
	PRICE	STYLE	CHIPS	HEAT	STAIN	SCRATCHES	SEALING REQUIRED	MAINTENANCE	PROS
ONE QUARTZ SURFACES®	$$$	•••	•••	•••	•••	•••	NO	NO	Highly stain resistant Excellent for undermount sinks Engineered, so has consistent look Tons of colors to choose from

••• EXCELLENT
•• GOOD
• FAIR

Fifteen Year Limited Warranty, visit daltile.com for complete warranty details.♦

♦Sourced SKUS

Twenty Five Year Commercial Limited Warranty, visit daltile.com for complete warranty details.

Lifetime Residential Limited Warranty, visit daltile.com for complete warranty details.*

*Made in the U.S.A. with imported material.

MADE IN THE USA WITH IMPORTED MATERIAL.

To See Approved Colors, Please Check The Below Link:
info.nsf.org/Certified/Food/Listings.asp?Company=C0536133&Standard=051

PRODUCT **INFORMATION**

INSTALLATION

Grout Joint Recommendation	Shade Variation
Tile : 1/16"	Medium (V2)

APPLICATIONS

	Target DCOF wet	Suitable
Dry & Level – Interior Floor	N/A	
Wet & Level – Interior Floor	≥ 0.42	
Shower Floors (Residential or Light Commercial)	≥ 0.42	
Exterior Floor Applications (including pool decking & other wet areas with minimal footwear)	≥ 0.60	
Ramps & Inclines	≥ 0.65	
Walls/Backsplashes	N/A	✓
Countertops	N/A	✓
Pool Linings	N/A	

ONE Quartz Surfaces do not meet minimum coefficient of friction thresholds recommended by safety standard-setting organizations. Water, oil, grease, etc., create slippery conditions. Floor applications with exposure to these conditions require extra caution in product selection.

Quartz not suitable for exterior applications due to small resin content. The sun will etch the material.

SLAB PERFORMANCE CHARACTERISTICS

	Test Method	Average Result*
Abrasion Wear Index	ASTM C501	≥ 135
Bulk Specific Gravity	ASTM C97	≤ 2500 kg / cubic meter
Chemical Resistance	ASTM C650	Resistant to typical household cleaners
Coefficient of Thermal Expansion	ASTM C531	≤ 4.0 • 10^{-5} °C^{-1}
Flexural Strength	ASTM C880	≥ 35 MPa
Water Absorption	ASTM C97	≤ 0.10%
Scratch Resistance (Mohs Hardness)	ASTM C1895	≥ 5
Stain Resistance	ANSI Z124.6	Pass
Thermal Shock Resistance	ASTM C484	Pass – No Effect

* Custom testing results by color are available upon request.

NOTES

ONE Quartz Surfaces products are nonporous, reducing the potential for bacteria growth, resist common food stains and are stronger than natural granite.

ONE Quartz Surfaces products are virtually maintenance free.

ONE Quartz Surfaces products contain natural quartz stone providing consistent color and visual movement. A wide range of color options allow for more design freedom.

ONE Quartz Surfaces products have a durable, scratch-resistant surface.

ONE Quartz Surfaces products are heat and scorch-resistant under normal cooking conditions (use of a trivet is recommended for longer or extreme heat exposure).

Visit daltile.com/countertops-product-category/one-quartz for additional polished, semi-polished, honed and leather finish details.

Twenty-Five year limited warranty. Visit daltile.com/countertops-product-category/one-quartz or details.

Fifteen-year limited warranty on imported materials.
Visit daltile.com/countertops-product-category/one-quartz for details.

White thin-set or mortar is recommended for the lighter colors of ONE Quartz Surfaces tiles.

WARNING: This product can expose you to chemicals known to the State of California to cause cancer, including crystalline Silica (airborne particles of respirable size) in dust created if the product is dry cut/ground/polished or pulverized during fabrication/installation/removal. For more information, go to www.P65Warnings.ca.gov.

For information refer to "Factors to Consider" at daltile.com/Factors.

DIMENSIONAL **STONE**

QUARTZ TAKES ON A WHOLE NEW DIMENSION

Our Dimensional team offers complete cut to size projects imported directly to the jobsite. Brought to you by the experts at Daltile®.

FORGET ONE-SIZE-FITS-ALL.

Or shape, for that matter. Our Dimensional program offers procurement, fabrication, and delivery for any project-all executed to your specifications.

Our team will help you identify exactly what you need to bring your vision to reality. Acting as a dedicated project manager, they'll walk you through every step, from inception to completion. Ask about our quantity survey, shop drawing and cutting ticket services!

LEAVE YOUR LIMITS BEHIND.

In addition to our standard product offering, we can also match most any color pallet. The experts at Daltile won't hesitate to make sure your project takes shape with complete coordination and precision.

STEP-BY-STEP

CUSTOM CUT TO YOUR SPECS. ON YOUR TERMS.

- We provide a digital take-off to identify the project scope, which includes materials, size, quantity, and edge treatment.
- You'll receive samples and pricing - we'll also provide support during the bid process to help determine the right material for the right location.
- Then you'll review CAD-generated shop tickets for confirmation that your goals are achieved.
- Now, your stone can be fabricated, delivered on time, within sequence, and ready to install.
- Each project is reviewed by an independent Daltile inspector. They ensure that color, size, calibration, and packaging meets your requirements prior to shipment.

LET US HANDLE ALL THE DETAILS

Contact your local Daltile Architectural Representative, Sales Representative or visit daltile.com to get started.

TECHNICAL **DATA**

QUALITY QUARTZ SURFACE

Test Items	Test Methods	Result
Absorption by Weight	ASTM C97/C97M-09	0.06%
Density	ASTM C97/C97M-09	148 lbs/ft^3
Abrasion Resistance	ASTM C241/C241M-13	47
Flexural Strength	ASTM C880/C880M-09	"dry" 34.9 Mpa "wet" 37.5 Mpa
Compressive Strength	ASTM C170/C170M-14	"dry" 192 Mpa "wet" 185 Mpa
Breaking Strength	ASTM C 648-09	5100 N
Thermal Expansion	ASTM C531-00(2012)	30.9 × 10^{-6}/°C
Chemical Resistance	ASTM C650-04(2009)	Not Affected
Abrasion Wear Index	ASTM C501-84(2009)	Wear Index: 136

TECHNICAL SPECIFICATION

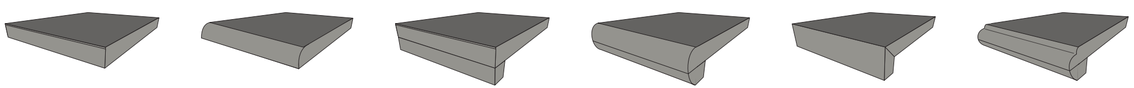
Quartz is one of nature's hardest minerals. Our surfaces are composed of 93% quartz, and are therefore designed to last.

In a unique Daltile process, we take the innate strength of quartz and combine it with numerous polymers and dashes of pigments. The result: A range of durable and beautiful quartz surfaces in a wide variety of colors and finishes.

100% Engineered Stone | **Non Porous** | **Easy to Clean** | **Low Maintenance** | **Shock Resistant** | **Stain Resistant** * | **Scratch Resistant** | **Everlasting Sheen** | **Modern Collection of Colors**

* Only West Village Series

EDGES FOR QUARTZ



EASED
Traditional Edge

DEMI BULLNOSE
Added Movement

LAMINATED
Economically Bold

BULLNOSE LAMINATED
Safe and Modern

MITERED
Seamless Depth

OGEE LAMINATED
Elegance in Curves

ONE **QUARTZ®** FAQ

QUARTZ IS A VERSATILE, DURABLE MATERIAL THAT'S AVAILABLE IN A WIDE RANGE OF COLORS AND STYLES. Also known as engineered stone, quartz is made from a combination of resin and natural quartz crystals. The natural crystals in quartz countertops make each surface unique, while resin gives the material its durability and resistance to everyday wear and tear. Because quartz is a man-made product, this material can be tinted and shaped in a wide variety of ways. Unique colors, edge treatments, inlays and other style accents add to the aesthetic appeal of this product.

In general, engineered stone is less expensive than naturally sourced materials after installation, sealing and maintenance are considered. The exceptional strength, durability and aesthetic appeal of quartz make this product a popular alternative to granite, a stone known for its lasting beauty. In addition, quartz is remarkably easy to maintain.

IS QUARTZ A SAFE COUNTERTOP MATERIAL?

Quartz, or engineered stone, is highly resistant to the routine wear and tear of daily life. Because quartz is made from a tough combination of natural crystals and resin, this product is very durable and long lasting. Quartz is a safe material for bathroom, kitchen or office countertops, but standard precautions must be taken to protect this man-made material from damage and prevent fading of your quartz countertop colors.

Although quartz countertops are resistant to scratches, dents, scuffs, burns and stains, these surfaces can be damaged when exposed to heat or to certain chemicals or tools. Gentle cleaning with a mild detergent and water is all that's required to maintain these surfaces. To keep your quartz countertops safe from damage, take care not to expose them to harsh chemicals, permanent dyes or inks, abrasive cleansers, direct heat or knives and other metal tools.

WHAT COLORS DO QUARTZ COUNTERTOPS COME IN?

Quartz countertops come in a broad spectrum of colors and patterns, from cool pastels to rich, dark tones. Quartz is a man-made material that combines the strength and durability of resin with distinctive of natural quartz crystals. This material can be tinted in a nearly unlimited range of shades to match any interior color scheme. Whether you're decorating a kitchen in warm earth tones or remodeling a bathroom with pink and white surfaces, you can find a shade that complements your decor and any living space.

QUARTZ COLORS AND TREATMENTS

Quartz is an extremely versatile material, which can be tinted, treated or shaped to accommodate almost any homeowner's tastes. When you're shopping for quartz countertops, choosing the perfect color may be challenging. With so many different shades to choose from, it can be difficult to make a decision with confidence. A knowledgeable provider should be able to help you with this stage of the process by giving you a comprehensive overview of your choices and making suggestions for shades that will complement your design.

When it comes to designing a quartz countertop, you aren't limited to traditional, squared edge treatments. There are a number of different edge treatments to choose from, with beveled or rounded styles. Inlays add a touch of elegance to a countertop surface by accenting the contours of the counter. These unique treatments take a countertop a step beyond the ordinary and give your kitchen or bathroom an extra touch of style.

CHOOSING COLORS FOR YOUR COUNTERTOPS

The color of your quartz countertops can make a big difference in the visual dimensions of your kitchen or bathroom. Light colors will create a sense of space, enlarging the room visually. If you have a small kitchen or bath, quartz countertops in white, cream, beige or gray may be preferable to darker, richer tones. In a larger kitchen or a game room, a dark gray, brown or dramatic black surface can add style and elegance to your interior.

The colors you select will affect a room's atmosphere and character. If you're decorating a professional office, a black or charcoal quartz countertop can give your decor a sense of dignity and stability. In a master bathroom, a rich gold or beige creates a look of luxury. The colors of quartz countertops may be variegated with flecks or swirls of various colors that give your countertops the natural appearance of stone.

Most manufacturers come out with new color series on a regular basis. Although the latest trends may be appealing, choose a color that will stand the test of time to get the most value.

QUARTZ IN KITCHENS AND BATHROOMS

Quartz is a non-porous material that does not require a sealant to protect the surface against dirt, moisture or germs. The polymers used to manufacture quartz make the surfaces extremely sturdy and durable. In the kitchen, quartz countertops are resistant to ordinary contact with metal, ceramic, glass or other materials commonly used in cookware. However, quartz countertops should not be scraped with metal tools. When you're cutting food, use a cutting board rather than cutting or slicing directly onto a quartz surface.

In the kitchen, protecting food from exposure to bacteria is a big concern. Quartz countertops are non-porous, meaning that these surfaces are continuous and smooth and do not have any tiny openings in the surface. Unlike wood and some forms of stone, quartz will not absorb water or other liquids. Bacteria have no place to grow on a quartz surface, as long as it's wiped clean after preparing food. Use a cutting board made of marble or another non porous material to avoid scratching your countertops.

Germs tend to collect in bathrooms as well as kitchens. The moisture and warmth that gather in the bathroom make it a breeding ground for bacteria, mold and mildew. A sink or vanity topped with quartz offers protection against bacterial growth as well as longevity and beauty. With regular cleaning, quartz countertops keep bathrooms sanitary by discouraging the growth of bacteria, mold and mildew. When cleaning quartz countertops, do not use bleach or other harsh or abrasive cleansers. Bleach may discolor or damage a quartz counter.

ONE **QUARTZ®** FAQ

FINAL CONSIDERATIONS

When you're shopping for quartz countertops, you'll soon find that you have many choices in style and color. Because quartz countertops are man-made, this material can be manufactured in nearly any color. You can choose from a wide range of countertop edge treatments, from traditional rounded or cornered styles to more dramatic looks.

The cost and performance of quartz countertops increases their appeal to homeowners who are looking for resilience and aesthetic value at a competitive price to other alternatives. As you search for quartz countertops, look for a reliable provider with a reputation for quality craftsmanship. Because the supplier you choose may also install the product, it's important to review the quality of the company's labor as well as the quality of its products before you make this important investment.

WHAT MAINTENANCE IS REQUIRED FOR QUARTZ COUNTERTOPS?

Low maintenance requirements make quartz countertops appealing to many homeowners. Quartz countertops are manufactured with a combination of hard quartz crystals and durable resin polymers that make them extremely resilient. In addition, the leading manufacturers provide a 10 to 15 year limited warranty that covers manufacturer's defects. Routine care and cleaning is very simple, and with basic precautions to prevent stains, dents or scratches, safe quartz countertops can lend beauty and a sense of permanence to a home for decades.

Manufacturer's warranties will not cover damages caused by the owner's use of the product unless damage is linked to an error made by the company. Your quartz countertops must be installed by a professional contractor in order to be covered by the warranty, in most cases. Follow the manufacturer's specific recommendations for maintaining your new countertops to get the maximum value from this investment.

ROUTINE CARE AND CLEANING

With the right care, quartz countertops can lend aesthetic appeal to your kitchen, bathroom or office for years. Quartz can be cleaned easily with a mild detergent, water and a soft cloth or paper towel. Abrasive cleansers or harsh scouring pads and cleansers that contain bleach should not be used with quartz. Engineered stone surfaces do not require polishing to keep them shiny and smooth, but they should be cleaned gently to maintain their distinctive shine.

A rounded plastic knife should be used to remove dried foods or liquids on a quartz surface. Dried paint or grease can be gently scraped away with a plastic knife. Avoid using metal knives and utensils directly on the countertop, as metal may scratch the quartz.

Grease from cooking is a concern in many kitchens. To remove grease from your quartz countertops, use a product recommended by your manufacturer. Harsh cleansers should not be used to remove grease or other cooking stains. Gently scrape away hardened grease with a plastic knife before applying cleanser.

PREVENTING STAINS AND SCRATCHES

While quartz countertops are resistant to scratches, scuffs, dents, stains and burns, these surfaces are not damage-proof. Homeowners must take care to avoid exposing quartz countertops to permanent inks, markers or dyes, as these substances may not be removable. If a countertop is marked by a permanent marker or dye, rinse the area with water as soon as possible, then apply a cleansing product approved by the manufacturer if the stain is still visible. Clean the area again with water after applying the cleanser.

Turpentine and other paint stripping products may damage or discolor a quartz surface. To be on the safe side, avoid exposing quartz to any strong chemicals or solvents unless your manufacturer recommends them for use in removing stubborn stains or hardened grease. If exposure to a potentially harmful chemical solvent occurs, clean the area with water immediately.

Quartz countertops can be damaged by direct exposure to heat. When cooking, use trivets or heating pads to guard the countertop surface against direct exposure to hot cookware or coffee pots. Although quartz is resistant to stains from juice, wine, coffee and other food substances, it is best to wipe up spills immediately to prevent possible stains. When chopping vegetables, slicing bread or preparing other foods with sharp utensils, use a cutting board to prevent scratches.

Very little maintenance is required for quartz countertops. This engineered product does not require sealants, and its non-porous surface makes it a durable, sanitary option for kitchens or bathrooms. To ensure that you get the most life from your countertops and that your warranty covers any unexpected damages, follow the manufacturer's instructions for care and quartz countertop maintenance.

PROTECTING QUARTZ SURFACES

Quartz countertops can stand up to a lot of wear and tear, but they shouldn't be exposed to excessive impact or harsh chemicals. In the kitchen, use hot pads or trivets on your countertops to prevent hot skillets or pots from making contact with quartz surfaces. In the bathroom, curling irons and other heated appliances shouldn't be left sitting on sinks or vanities.

Although quartz is non porous and resists stains, liquid spills should be wiped up promptly. Coffee, wine, vinegar, lemon juice and other liquids should not be allowed to sit on a quartz countertop for long periods of time. If permanent dye or ink is spilled on the counter, rinse the area promptly with water, then use a cleanser approved by the manufacturer for removing permanent stains. If you need to scrape dried food or paint or hardened grease off a quartz countertop, use a rounded plastic utensil, like a putty knife.

To get the maximum use from this investment, choose quartz countertops that are covered by a warranty. A manufacturer's warranty will replace or repair a countertop if it shows evidence of a manufacturer's defect. With a reliable warranty and proper care, quartz is a safe countertop material.

PHOTOGRAPHY INDEX

COVER PHOTO

Independence Calacatta on the countertop.

PAGES 3-4 (LEFT TO RIGHT)

West Village Series Broadway Black on the countertop.

West Village Series Astor Grey on the countertop & backsplash.

West Village Series Barclay Tan on the countertop.

PAGE 5-6 (LEFT TO RIGHT)

Noble Grey on the countertop.

Patriotic Calacatta on the countertop.

PAGE 11-12 (LEFT TO RIGHT)

Avenue White on the countertop.

Valor White on the counter and backsplash.

PAGE 17-18 (LEFT TO RIGHT)

Carrara Aura on the bottom counter block.

Broadway Black on the top counter block.

PAGES 21-22 (LEFT TO RIGHT)

White Ice on the countertop.

Chipped Ice on the countertop.

daltile®

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To view the complete collection of Daltile® products and information, visit our website at **daltile.com.**
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Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-011_CT-001-JG

Real Living Decor Package

Issue Date: Nov 23, 2022
Revision Date:

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	JG Edelen
Model	EHS-836
Dimensions	Refer to Design Guideline Drawings
Color	Goldfield
Finish	Polished Straight Edge
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Finish	Polished Straight Edge
Notes	Refer to drawings for edge profile Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

Label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

AREAS

Hub
On Us
Buffet

Real Living Decor Package

Issue Date: Nov 23, 2022
Revision Date:

ALTERNATE MANUFACTURER 2

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 3

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 4

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
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Flex
Fitness Center
Employee Areas
Public Restrooms
Hydration Station

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-011_CT-001-MG

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Mgroup
Model	UltraCera
Dimensions	2cm
Color	Kachine Peak - 3007
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Notes	Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
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ALTERNATE MANUFACTURER 2

Vendor Name: Belstone

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

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ALTERNATE MANUFACTURER 4

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

Public Restrooms
Elevator Lobby
Hydration Station

KACHINA PEAK- 30(

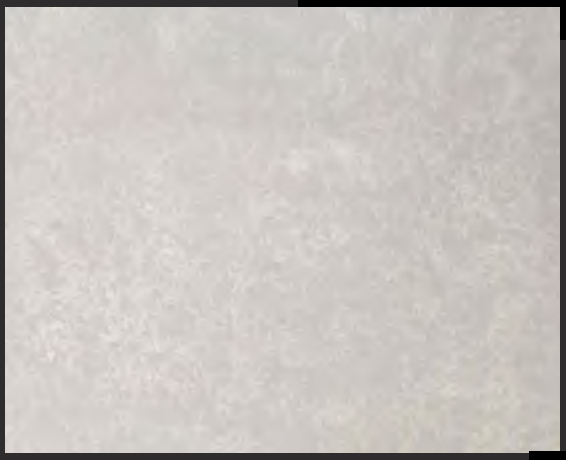
GROUP

ULTRACERA®
NextGeneration Composite Ecosurface

TECHNICAL SPECIFICATIOI

COMPRESSIVE STRENGTH (DRY): (ASTM C17(17) 256 Mp
DENSITY: (ASTM C9 18 2400) kg/m
WATER ABSORPTION: (ASTM C9 18) 0.03
THICKNESS: Standard 2cm or 3cm. Custom Availab
ABRASION RESISTANCE: (ASTM C241-15) 4
MOHS HARDNESS: (EN 15771) Averages
STAIN RESISTANCE: (ANSI Z124.6-07) Pa
CHEMICAL RESISTANCE: (ASTM C650) Not Affecte
FLEXURAL STRENGTH (DRY): (ASTM C88(14) 48.5Mp
THERMAL SHOCK RESISTANCE: (ASTM C484) No Defe
MODULUS OF RUPTURE: (ASTM C99) 3
FINISH: Polished Standard (level 6000 availabl
EDGE: Eased Standard—Fully Customizable Fabricatic
FIRE RATING: (ASTM E84) Class

KACHINA PEA



*SAMPLE IMAGE FOR REFERENCE ONL

APPLICATIO

Vanity Top
Kitchen Top
Window S
Desk Top
Dresser Top
Threshol
Wall Claddir

NOTI

Patent Pendir
0% Acrylic Solid Surfac
Non-Silica Based Produ
For More Information On What UltraCera® Is, And What It Is Not: Please Visit UltraCeraTops.co
Herein Are Subject To Change Without Notice Due To Constant Product And Engineering Improvement

MGROUP
MSHOWER MSTONE MTERIORS Gainwell International QUIETLOK ULTRACERA

MERIDIEN HOUSE | 203 NORTH LEWIS STREET| LAGRANGE, GA 30240 US

ULTRACERA®
NextGeneration Composite Ecosurface

REV. DATE 03-06-202

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-011_CT-001-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Wilsonart International, Inc.
Model	Q4007
Dimensions	3/4" Thick
Color	Duomo
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Fire/Smoke Rating	ASTM E84 Class 1 (NFPA Class A) FS-25 or less.
Structural Performance	Mohs Hardness Scale: 6 to 6.5. Density: Not less than 2 g/cm3 when tested per ASTM C97.
Thermal Performance	Thermal shock: Pass 5 cycles, tested per ASTM C484.
Best Practices	UL Greenguard certified
Quality Standards	NSF/ANSI 51 Certified. Stain resistance: Passes ANSI Z124.6. Water absorption: Maximum 0.04 percent, tested per ASTM C97. Chemical resistance: Not Affected when tested per ASTM C650.
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	N
Thickness	3/4"
Finish	Polished
Warranty	One (1) year minimum warranty against defects in materials and workmanship. Commercial Lifetime warranty
Notes	Refer to drawings for edge profile. Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-

1981; timi@designertilestone.com;
www.designertilestone.com

SPECIAL INSTRUCTIONS

Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2'-0" apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

Vendor Name: JG EDELEN CO INC
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ALTERNATE MANUFACTURER 3

Vendor Name: Designer Tile & Stone
Contact Name: Timi Mustapha
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Email: timi@designertilestone.com

ALTERNATE MANUFACTURER 4

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Public Restrooms
Elevator Lobby
Hydration Station

TECHNICAL DATA
Wilsonart® Quartz

Wilsonart
2501 Wilsonart Drive
P.O. Box 6110
Temple, TX 76503-6110

1. Distributor

Wilsonart LLC
2501 Wilsonart Drive
P.O. Box 6110
Temple, Texas 76503-6110
Toll-Free: 800-433-3222
Website: www.wilsonart.com

2. Product Descriptions

Product Composition

Wilsonart® Quartz is manufactured with up to 93 percent high quality natural quartz crystals, high quality polyester binders, and proprietary coloring agents that are homogeneous, with uniform color throughout their thickness.

Basic Limitations

Wilsonart® Quartz is designed for interior use only, ideal for residential and commercial applications. Wilsonart Quartz is a solid, non-porous, highly durable surface and resistant to scratching, staining, and water absorption and is virtually maintenance free.

Fabrication

Refer to the Wilsonart Quartz Fabrication Manual or contact a Wilsonart® Quartz Fabricator or Distributor for details.

Colors and Finishes

Wilsonart® Quartz has created a wide array of colors. Wilsonart Quartz is available in a polished finish.
Glossometer reading: >45

Sheet Dimensions:

	Wilsonart® Quartz Standard Size
Available Sizes	120” (306 cm) x 55” (140 cm), 120” (306 cm) x 63” (160 cm), 126” (320 cm) x 63” (160 cm), 130” (330 cm) x 65” (166 cm)
Thickness	Product Type 062 = 0.79" (2 cm) ± 0.060"(0.15 cm)
Thickness	Product Type 063 = 1.18" (3 cm) ± 0.060"(0.15 cm)
Approximate Weight	Product Type 062 = 10 lbs./ft^2 (2 cm)
Approximate Weight	Product Type 063 = 15 lbs./ft^2 (3 cm)

* Please consult Wilsonart® Quartz Design Library on www.wilsonart.com for available slab sizes by pattern

Physical Properties

Test Description	**Typical Results**	**Test**
Flexural Strength (psi)	>6,000	ASTM D 790
	31 - 75	EN14617-2
Thermal Expansion Coefficient	16 x 10^{-6} - 20.8 x 10^{-6*}	EN14617-11
Impact Resistance	3.4 – 7.35	EN14617-9
Stain Resistance	No Effect	EN14617-10
High Temperature Heat Resistance	No Effect to Slight Effect	ISO 4586
Chemical Resistance (acids and bases)	C4	EN14617-10
Abrasion Resistance	>100	ASTM C501
	23.6 – 27.5	EN14617-4

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Density (g/cm^3)	>2.1	ASTM C97
Compressive Strength (One Axis – Dry) (psi)	>20,000	ASTM C170
Moisture Absorption	<0.03	ASTM C97
	<0.03	EN14617-1
Freeze and Thaw Resistance	0.999	EN14617-5
Fire Behavior	Class 1/A Rating	ASTM E 84

**Test results vary slightly depending on pattern.*
The information contained in this section is based on technical data which Wilsonart LLC believes to be reliable, and is intended for use by persons having knowledge of this technical area at their own discretion.

Certifications
Wilsonart® Quartz is UL GREENGUARD Standard and Gold Standard Certified for low chemical emissions.
NSF 51 Food Zone and FDA food contact compliant.
Wilsonart Quartz is Kosher certified under the Kashruth Division of the Orthodox Union.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Quartz per ISO 4586-2 Method 31 (B)
No effect was exhibited except as noted (* or **) on the following:

1. Beckart Environmental (Stabilized Chlorine Dioxide Mixed with Water at 3000ppm)
2. Benefect® *
3. Claire® Germicidal Cleaner (Country Fresh Scent) **
4. Claire® Disinfectant Spray Q (Country Fresh Scent) **
5. Clean Republic – All Purpose Everyday Cleaner (Hypochlorous Acid – 0.003% Solution)
6. Clorox® Anywhere® Hard Surface Sanitizing Spray *
7. Clorox® Clean-Up (Cleaner & Bleach)
8. Clorox® Disinfecting Bleach w/6% Sodium Hypochlorite (24:1/Water:Bleach)
9. Clorox® Disinfecting Spray
10. Clorox® Disinfecting Wipes
11. Clorox Healthcare® Bleach Germicidal Cleaner *
12. Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant *
13. Clorox Healthcare® Fuzion® Cleaner Disinfectant *
14. Clorox Healthcare® VersaSure® Cleaner Disinfectant Wipes
15. Clorox® Total 360 Disinfectant Cleaner
16. Diversey™ Expose® II 256 *
17. Diversey™ Oxivir 1 *
18. Diversey™ Oxivir Tb Wipes *
19. Diversey™ Stride® Floral Neutral Cleaner
20. Diversey™ Virex® II 256 *
21. Fabuloso® Complete (Multi-Purpose Cleaner)
22. Lysol® Professional Disinfectant Spray
23. Microban® 24 Hour (Multi-Purpose Cleaner)
24. PDI Sani-Prime® Germicidal Spray
25. PDI Super Sani-Cloth® Germicidal Disposable Wipes
26. PURELL® Advanced Hand Sanitizer Gel *
27. Purell® Food Service Surface Sanitizer *
28. Purell® Professional Surface Disinfectant *
29. Purell® Healthcare Surface Disinfectant *
30. Simple Green® Concentrated (All-Purpose Cleaner)
31. Spic and Span® Everyday (Antibacterial Cleaner)

Test procedure: Listed materials were placed in contact with Wilsonart® Quartz surface under 1" (25.4mm) diameter watch cover glass for 16 hours duration prior to evaluation for effect. The branded cleaners and sanitizers listed above were cleaned with water only.

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* Causes slight change of gloss or color.
** Causes slight damage, with degree of damage proportionate to length of exposure and concentration.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Quartz per BIFMA HCF 8.1-2014 (Section 6 / Modified)
No effect was exhibited except as noted (* or **) on the following:

1. Beckart Environmental, Inc. (Stabilized Chlorine Dioxide Mixed with Water at 3000ppm)
2. Benefect®
3. Claire® Germicidal Cleaner (Country Fresh Scent)
4. Claire® Disinfectant Spray Q (Country Fresh Scent)
5. Clean Republic – All Purpose Everyday Cleaner (Hypochlorous Acid – 0.003% Solution)
6. Clorox® Anywhere® Hard Surface Sanitizing Spray
7. Clorox® Clean-Up (Cleaner & Bleach)
8. Clorox® Disinfecting Bleach w/6% Sodium Hypochlorite (24:1/Water:Bleach)
9. Clorox® Disinfecting Spray
10. Clorox® Disinfecting Wipes
11. Clorox Healthcare® Bleach Germicidal Cleaner
12. Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant *
13. Clorox Healthcare® Fuzion® Cleaner Disinfectant
14. Clorox Healthcare® VersaSure® Cleaner Disinfectant Wipes
15. Clorox® Total 360 Disinfectant Cleaner
16. Diversey™ Expose II 256
17. Diversey™ Oxivir 1 *
18. Diversey™ Stride® Floral Neutral Cleaner
19. Diversey™ Tb Wipes *
20. Diversey™ Virex II 256
21. Fabuloso® Complete (Multi-Purpose Cleaner)
22. Lysol® Professional Disinfectant Spray
23. Microban® 24 Hour (Multi-Purpose Cleaner)
24. PDI Sani-Prime® Germicidal Spray
25. PDI Super Sani-Cloth® Germicidal Disposable Wipes
26. PURELL® Advanced Hand Sanitizer Gel
27. Purell® Food Service Surface Sanitizer
28. Purell® Professional Surface Disinfectant
29. Purell® Healthcare Surface Disinfectant
30. Simple Green® Concentrated (All-Purpose Cleaner)
31. Spic and Span® Everyday (Antibacterial Cleaner)

Test procedure: Listed reagent materials were placed in contact with Wilsonart® Quartz surface with a one-inch square 100% cotton cloth completely saturated and covered with a 2” (50.8mm) diameter watch cover glass for 15 minute duration. The reagents listed above were removed with clean cloth and the area was then cleaned with clean cloth and distilled water only. The surface area was allowed to dry for 1-hour prior to evaluation for effect.
* Causes slight change of gloss or color.
** Causes slight damage, with degree of damage proportionate to length of exposure and concentration.

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3. Care and Maintenance

4. Warranty

5. **Customer Service**
   For samples, literature, questions, technical assistance, or warranty information, please contact our toll-free Hotline at (800) 433-3222, Monday through Friday, 8 am – 5 pm CST, or visit our website at www.wilsonart.com.

Quartz Tech Data
Revised: July 9, 2020
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Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-011_LA-001-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Plastic Laminate
Item Type	Type 107 General Purpose (HGS) Laminate
Description	General purpose laminate product
Manufacturer	Wilsonart
Model	#15504-31
Dimensions	0.045" Plus Minus 0.005" Thickness, Standard Sheet Widths 36", 48", 60" x Standard Sheet Lengths 96", 120", 144"
Color	Charcoal
Finish	31 Traceless
Material Composition	Melamine impregnated deccorative surface papers combined with fire retardant phenolic treated kraft paper
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI 3. A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Charcoal 15504-31
Warranty	1 Year
Notes	Recommended substrates for laminates are Particleboard, Medium Density Fiberboard (MDF) or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates. Refer to Design Guide Project Master, Section 12 32 16 for Casework and 12 36 23 for Countertops.

SPECIAL INSTRUCTIONS

All substrates should be sanded smooth, and should be clean and free of oil or grease, and uniform in thickness.

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

AREAS

Welcome Desk
On Us
Buffet

ALTERNATE MANUFACTURER 2	Flex Fitness Center Employee Areas Elevator Lobby Entrance Vestibule
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

TECHNICAL DATA
Wilsonart® Laminate
Basic Types 107, 335, 350

Wilsonart®
ENGINEERED SURFACES

2501 Wilsonart Dr
PO Box 6110
Temple, TX 76503-6110

1. Manufacturer

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P.O. Box 6110
Temple, Texas 76503-6110
Phone: (254) 207-7000; (800) 433-3222
Fax: (254) 207-2384
Web Site: www.wilsonart.com

2. Product Description

Recommended Uses

Wilsonart® Laminate, types 107, 335, and 350, is suitable for use on fine quality residential and contract furniture, fixtures and casework, and also for architectural application on columns, wainscoting, valances, cornices, interior doors and divider systems.

- **General Purpose (HGS) Type 107** is most frequently used for work surfaces on counters, islands, vanities, desks and tables. Typical vertical uses include surfacing for wall panels, teller cages and the front panels of workstations, such as those in hospitals, airports and restaurants. Type 107 is produced for both horizontal and vertical interior applications where the surface must be functional, durable and decorative.
- **Vertical Surface (VGP) Type 335** is the usual choice to surface cabinet walls, doors and drawer panels. It often appears on the vertical surfaces of desks, restaurants booths and maître d' stations, and as architectural cladding. Type 335 is intended for vertical applications where a functional, durable, decorative surface must absorb somewhat less impact than a comparable horizontal surface. VGP surfaces may be postformed to achieve radius edges.
- **Postforming (HGP) Type 350** adds the decorative capability of a soft edge to any typical laminate use. Common applications of post forming laminates are formed edges for counters, desktops, cabinet doors and drawer panels. Type 350 is intended for use on vertical and horizontal interior surfaces where it is necessary or desirable to roll the laminate on a simple radius over the edge of the substrate. This eliminates seams and leaves an attractive surface.

Product Composition

Decorative surface papers impregnated with melamine resins are pressed over Kraft paper core sheets impregnated with phenolic resin. These sheets are then bonded at pressures greater than 1000 pounds per square inch at temperatures approaching 300°F (149°C). Finished sheets are trimmed, and the backs are sanded to facilitate bonding.

Basic Limitations

Wilsonart Laminate is for interior use only and is not recommended for direct application to plaster, concrete walls, or gypsum wallboard. It is not structural material and must be bonded to a suitable substrate.

Do not subject Wilsonart Laminate to extremes in humidity, temperatures higher than 275°F (135°C) for substantial periods of time, or intense, continuous, direct sunlight.

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Patterns & Colors
Available in the full range of Wilsonart solid colors, stones, marbles, woodgrains, leathers and patterns. See all patterns and colors at www.wilsonart.com. Please see actual sample before specifying.

Finishes – Confirm finish availability on individual designs by going to www.wilsonart.com

- #01 High Gloss - Premium
  A mirror sheen finish, which gives a smooth, brilliant appearance. #01-High Gloss finish also features AEON™™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and can be used for horizontal applications such as countertops and light-to-medium commercial applications. Excellent for vertical applications and carries a premium upcharge.
  Nominal Glossometer Reading = 110
- #07 Textured Gloss - Premium
  A fine textured finish with a sheen level indicative of a waxed wood, polished stone, or other moderately reflective materials. #07 finish features AEON™™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 42
- #12 SoftGrain - Premium
  A dense wood grain structure that is low gloss and soft to the touch. Subtle highlights of reflectivity randomly occur within the embossed grains, creating a sophisticated raw wood look. #12 finish features AEON™™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 8
- #16 Casual Rustic - Premium
  A woodgrain texture with a blend of grain variations ranging from linear to subtle movement with random, irregular features. The overall low gloss surface is accented with higher sheen woodgrain ticking and random highlights. #16 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 6
- #18 Linearity - Premium
  A directional texture running the length of the sheet, having a narrow, random and matte-gloss linear quality. It is complementary to linear wood-grains, and linear patterns (such as the “Satin” series), and provides dimension and visual movement to solid colors. #18 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 18
- #19 Leno Weave – Premium
  Random intersecting horizontal and vertical lines create a geometric weave with a matte-gloss finish. Recommended for horizontal and vertical applications. #19 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 15
- #21 Soft Silk – Premium
  A smooth, ultra-matte finish with a silky, soft touch. This minimalist finish gives the surface a genuine stone feel. Recommended for horizontal and vertical applications. #21 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge,
  Nominal Glossometer Reading = 8
- #22 Antique - Premium
  A mixture of varying low gloss features combined with organic movement, indicative of the surface of an aged stone or an antique metal. Recommended for horizontal and vertical

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applications. Antique features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
Nominal Glossometer Reading = 9

- #28 Gloss Line - Premium
  A linear woodgrain texture with varied widths of narrow grain structures in an alternating mix of matte and gloss surfaces areas. Recommended for horizontal and vertical applications. Gloss Line features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 5
- #35 Mirage-Ultra Premium
  Subtle variations in matte and gloss finish connect to nature's own finishes: rough and weathered, smooth and polished. Wilsonart HD premium pricing. Recommended for horizontal and vertical applications.
  Nominal Gloss Reading = 50
- #38 Fine Velvet Texture
  A smooth textured finish with moderate reflective value.
  Nominal Glossometer Reading = 14
- #52 Quarry - Premium
  Premium finish emulating the "pitted" look of polished natural stone. Recommended for horizontal and vertical applications. #52 features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 55
- #55 Glaze-Ultra Premium
  A layering of matte features over a semi-gloss glaze, creates this timeworn effect. Wilsonart HD premium pricing. Recommended for horizontal and vertical application.
  Nominal Gloss Reading = 25
- #57 Aligned Oak – HD Premium
  Authentic realism is brought to the surfaces using synchronized texture as each elegantly aged oak design exhibits the natural dimension and feel or real world. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 7
- #60 Matte
  Textured finish with a moderate reflective quality. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 10
- #78 FineGrain - Premium
  The FineGrain premium finish features the polish and luxe of a real wood veneer, with a subtle, narrow grain structure that runs the length of the sheet. #78 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium.
  Nominal Glossometer Reading = 38

NOTE: Nominal Glossometer readings are made at a 60° angle of incidence.

Finish Availability: Not all finishes are available in all patterns and colors. Some finish options have limited size availability. Please check with your Wilsonart representative or consult the pattern availability lookup on our website at www.wilsonart.com, to verify size availability by finish type.

Standard Sheet Widths

36"	48"	60"
914mm	1219mm	1524mm

Standard Sheet Lengths

96"	120"	144"
2438mm	3048mm	3658mm

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NOTE: Not all sizes are available from stock; contact your Wilsonart representative for details on local availability. Minimums apply to non-standard designs and finishes in sizes other than 48"x96" and 60"x144". Please check with your Wilsonart representative.

Thickness and Weight

Description	107	335	350
Thickness	0.045" ± 0.005" (1.14mm ± 0.13mm)	0.028" + 0.001 - 0.004" (0.71mm + 0.03 - 0.10mm)	0.036" ± 0.005" (0.91mm ± 0.13mm)
Weight per square foot	0.322#	0.186#	0.260#

3. Technical Data

Physical Properties of General Purpose Laminates

ISO 4586 Test	Typical Wilsonart Type 107	ISO 4586-3 HGS
Thickness	**0.045" ± 0.005" (1.14mm ± 0.13mm)**	N/A
Appearance	**N/A**	N/A
Light Resistance	**Slight effect**	Slight Effect
Cleanability (cycles)	**10**	10
Stain Resistance Reagents 1-10 Reagents 11-15	 **No effect** **Slight effect**	 No effect Moderate effect
Boiling Water Resistance	**Slight Effect (Gloss)** **No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
High Temperature Resistance	**Slight effect**	Slight Effect (Gloss) No Effect (Other Finishes)
Impact Resistance	**65" (1651mm)**	31.5" (800mm)
Radiant Heat Resistance	**210 seconds**	≥ 200 sec.
Dimensional Stability Machine Direction Cross Direction	 **0.3%** **0.7%**	 1.1% (max.) 1.4% (max.)
Surface Wear Resistance (cycles)	**Meets or Exceeds 400**	350 (min.)
Formability	**Not applicable**	Not applicable
Blistering	**Not applicable**	Not applicable

Physical Properties of Vertical Surface Laminates

ISO 4586 Test	Typical Wilsonart Type 335	ISO 4586-3 VGP
Thickness	**0.028" + 0.001 - 0.004" (0.7mm + 0.03 - 0.10mm)**	N/A
Appearance	**N/A**	N/A
Light Resistance	**Slight effect**	Slight effect
Cleanability (cycles)	**10**	20 (max.)
Stain Resistance Reagents 1-10 Reagents 11-15	 **No effect** **Slight effect**	 No effect Moderate effect

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Boiling Water Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
High Temperature Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
Impact Resistance	**40" (1016mm)**	23.5" (600mm)
Radiant Heat Resistance	**200 seconds**	≥ 200 sec.
Dimensional Stability Machine Direction Cross Direction	**0.5% 0.8%**	1.1% (max.) 1.4% (max.)
Surface Wear Resistance (cycles)	**Meets or Exceeds 400**	350 (min.)
Formability	**5/16" radius (7.93mm)**	7/16" radius (11mm) 9/16" radius(14.7mm)
Blistering	**45 seconds**	≥ 40 seconds

*Radius for face is actually the radius of the form around which the laminate is postformed. The radius for back is actually the radius to which the decorative face is postformed.

Physical Properties of Postforming Laminate

ISO 4586 Test	**Typical Wilsonart Type 350**	**ISO 4586-3 HGP**
Thickness	**0.036" ± 0.005" (0.91mm ± 0.13mm)**	0.039" ± 0.005" (1mm ± 0.12mm)
Appearance	**N/A**	N/A
Light Resistance	**Slight effect**	Slight effect
Cleanability **(cycles)**	**10**	20
Stain Resistance Reagents 1-10 Reagents 11-15	**No effect Slight effect**	No effect Moderate effect
Boiling Water Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
High Temperature Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
Impact Resistance	**55" (1397mm)**	31.5" (800mm)
Radiant Heat Resistance	**205 seconds**	≥ 200 sec.
Dimensional Stability Machine Direction Cross Direction	**0.5% 0.8%**	1.1% (max.) 1.4% (max.)
Surface Wear Resistance (cycles)	**Meets or Exceeds 400**	350 (min.)
Formability*	***5/16" face (7.93mm) *3/8" back (9.52mm)**	*9/16" face (14.27mm) *3/4" back (19.05mm)
Blistering	**65 seconds**	≥ 40 seconds

*Radius for face is actually the radius of the form around which the laminate is postformed. The radius for back is actually the radius to which the decorative face is postformed.

Typical Fire Test Data

High-pressure laminates are subject to Flame Spread and Smoke Developed standards in structures where codes establish such conditions.

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Test data to determine compliance with these codes are obtained by the Steiner Tunnel Test method of the American Society for Testing Materials (ASTM-E-84, Standard Test Method for Surface Burning Characteristics of Building Materials). Tests were conducted in accordance with test method and mounting procedure as described in paragraph X1.7.2 of the test method. This procedure is cataloged by Underwriters Laboratories, Inc. as UL 723.
Here is typical data for Wilsonart laminates, averaged from two specific tests:

Typical Flame Spread and Smoke Developed Properties

Product Type	Test Condition	Flame Spread	Smoke Developed
General Purpose Type 107	Unbonded	50	45
Vertical Surface Type 335	Unbonded	45	40
Postforming Type 350	Unbonded	60	35
General Purpose Type 107	Bonded with contact adhesive to particleboard substrate; 3/8"	40	100
Vertical Surface Type 335	Bonded with contact adhesive to particleboard substrate; 3/8"	40	155
Postforming Type 350	Bonded with contact adhesive to particleboard substrate; 3/8"	50	140

When you wish to specify decorative laminate for a Class I or A fire rating, please refer to the Fire-Rated Laminate Tech Data.

Model Code Designations used to determine flame spread classification

Flame Spread Classification (Max. Rating)	International (IBC)	Life Safety (NFPA 101)
25	A	A
75	B	B
200	C	C

RE: Architectural Woodwork Quality Standard, 8th Edition, Version 1.0, - 2003

All Model Codes regulate the generation of smoke by interior finish material. In all cases they specify a maximum smoke development rating of 450.

Codes and Certifications

General Standards
Wilsonart Laminates, types 107, 335 and 350, conform to the voluntary standards of the American National Standards Institute, for thickness, performance properties and appearance. Wilsonart Laminates 107,335 and 350 meet or exceed the International Standards Organization specifications as found in ISO 4586, titled "High-Pressure Decorative Laminate (HPDL) – Sheets Based on Thermosetting Resins – Part I: specifications."

Specific Product Standards
U.S. Federal Specification L-P 508H, April 9, 1977, "Plastic Sheets, Laminated, Decorative and Non-decorative." Spells out criteria for decorative laminates for federal installations. Wilsonart 107, 335 and 350 laminates comply.

NSF International (NSF) #35 "Laminated Plastic for Surfacing for Food Service Equipment." All solid colors and printed patterns in Basic Types 107, 335 and 350, comply.

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U.S. Federal Register, August 9, 1984, Housing and Urban Development Mobile Home Construction and Safety Standard, (24CFR) 3280.203. General Purpose Type 107 and Vertical Surface Type 335 comply.

U.S. Federal Test Method, Federal Aviation Regulation, DOT, Part 25.853, Airworthiness Standards: Transport Category Airplane (Interior Finish). Vertical Surface Type 335 and Postforming Type 350 comply with parts A and C.

U.S. Federal Motor Vehicle Safety Standard (FMVSS) 302, "Flammability of Interior Materials." Basic Types 107, 335 and 350 comply.

U.S. Military Standard MIL-P-17171E (SHIPS)/Plastic Laminate. General Purpose Type 107 complies.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Laminate
No effect was exhibited except as noted (* or **) on the following:

1. Clorox Healthcare Bleach Germicidal Cleaner *
2. Clorox Healthcare Versa Sure Cleaner Disinfectant Wipes
3. Oxivir TB
4. Oxivir 1
5. Virex II 256
6. Benefect
7. PDI Super Sani-Cloth Germicidal Disposable Wipes
8. PDI Sani-Prime Germicidal Spray
9. Expose II 256
10. Stride Floral Neutral Cleaner *
11. PURELL Advanced Instant Hand Sanitizer *

Test procedure: Listed materials were placed in contact with Wilsonart® Laminate surface under 1" (25.4mm) diameter watch cover glass for 16 hours duration prior to evaluation for effect. The branded cleaners and sanitizers listed above were cleaned with water only.

* *Causes slight change of gloss or color.*
** *Causes slight damage, with degree of damage proportionate to length of exposure and concentration.*

4. <u>Installation: Fabrication and Assembly Recommendations</u>

Fabrication should follow approved methods. Assembled pieces should meet the specifications of KCMA (Kitchen Cabinetmakers Manufacturers Association), ANSI A-161.2-1998 (revised), and "Architectural Woodwork Quality Standards, Guide Specifications and Quality Certification Program" guidelines of the Architectural Woodwork Institute where applicable.

Wilsonart laminates must be bonded to a substrate of reliable quality, such as particleboard, medium density fiberboard or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates. Basic Types laminate may not be used as structural members.

Bond with adhesives and follow the techniques recommended by the adhesive manufacturer. Recommended adhesives are permanent types, such as urea and polyvinyl acetate (PVA), and contact types. Wilsonart adhesives are recommended for most bonding conditions.

To avoid stress cracking, do not use square-cut inside corners. All inside corners should have a minimum of 1/8" (3.175mm) radius and all edges should be routed smooth.

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Drill oversized holes for screws or bolts. Screws or bolts should be slightly countersunk into the face side of a laminate-clad substrate.
Take care to ensure an appropriate acclimation between the laminate and the substrate prior to fabrication. The face and backing laminates and the substrate should be conditioned in the same environment for 48 hours before fabrication.
Recommended conditioning temperature is about 75°F (24°C). Laminates should be conditioned at 45% to 55% relative humidity.

With postforming machinery, Wilsonart 335 and 350 will postform at a nominal sheet temperature range of 325°F to 338°F (163°C to 170°C) in 20 ± 5 seconds.

Carbide-tipped saw and router blades should be used for cutting. High tool speed and low feed speed are advisable. Cutting blades should be kept sharp. Use a hold-down to prevent any vibration.

5. **Warranty**

6. **Maintenance**

7. **Technical Services**

For samples, literature, questions or technical assistance, please contact our toll-free Hotline at (800) 433-3222, Monday through Friday, 8 am – 5 pm, CST.

Specification Form:

Surface shall be Wilsonart® Laminate, produced by Wilsonart LLC, Temple, Texas 76503-6110

Type: Specify 107, 335 or 350

Surface
Color Number: _____ Color Name: _____

Finish
Number: _____ Name: _____

Edge Trim
Color Number: _____ Color Name: _____

Adhesive
Name: _____ Grade/Type: _____
Brand: Wilsonart® Adhesive

Wilsonart® Laminate Technical Data
Basic Types 107, 335, 350
Revised: September 12, 2019
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Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-011_LA-002-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Plastic Laminate
Item Type	Type 107 General Purpose (HGS) Laminate
Description	General purpose laminate product
Manufacturer	Wilsonart
Model	#7850-12
Dimensions	0.045" Plus Minus 0.005" Thickness, Standard Sheet Widths 36", 48", 60" x Standard Sheet Lengths 96", 120", 144"
Color	Beigewood
Finish	SoftGrain
Material Composition	Melamine impregnated deccorative surface papers combined with fire retardant phenolic treated kraft paper
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023 - Interior Architectural Woodwork
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Beigewood 7850-12
Warranty	1 Year
Notes	Recommended substrates for laminates are Particleboard, Medium Density Fiberboard (MDF) or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates.

SPECIAL INSTRUCTIONS

1. Run grain direction vertically unless noted otherwise.
2. PVC Edgebanding:
a. Exposed Ends: Grade VGS plastic laminate or minimum 0.030-inch thick PVC edge banding. Color to match exposed faces.
b. Semi-exposed Ends; Grade VGS plastic laminate or minimum 0.030-inch thick PVC edge banding. Color to match exposed faces.
3. Melamine at all vertical surfaces/HPL at all horizontal surfaces
4. Elevator Interior Cab: Materials shall comply with NEMA LD-3
a. Fire-Retardant Treated Particleboard Panels : Minimum ½-inch thick backup for plastic laminate veneered panels, provided with suitable anti-warp backing; to meet ASTM E84 Class “A” rating with flame-spread rating of 25 or less.

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-011_LA-002-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk
In-A-Pinch
Connection Center
Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Public Restrooms
Elevator Lobby
Administration
Lobby
Breakfast

Towneplace Suites by Marriott
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New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-011_LA-006-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Plastic Laminate
Item Type	Thermally Fused Laminate (TFL)
Description	Thermally Fused Melamine
Manufacturer	Wilsonart
Model	N/A
Dimensions	Standard panels are 49 and 61 inches. Standard panel lenth is 97 inches.
Color	Gray 1500-60
Finish	Matte
Material Composition	Laminate Composition: Melamine saturated decorative layers thermally fused to both core face surfaces with heat and pressure. Stain resistant surface with wear and scratch resistance.
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023 - Interior Architectural Woodwork
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Thermally Fused Laminate/1500-60 Gray
Warranty	1 Year
Notes	Panel Core Material: Composite panel product composed primarily of cellulosic materials and a bonding system, resulting in a durable and dimensionally stable substrate suitable for decorative laminate overlays. Panel core material can be particleboard or medium density fiberboard.

SPECIAL INSTRUCTIONS

All substrates should be sanded smooth, and should be clean and free of oil or grease, and uniform in thickness.

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

AREAS

Welcome Desk
Hub
On Us
Buffet
Flex

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

ALTERNATE MANUFACTURER 3	Fitness Center Employee Areas Elevator Lobby Administration Lobby
ALTERNATE MANUFACTURER 4	

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-011_MH-003-GR

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Concealed Hinges
Item Type	Hinges
Description	Concealed Hinges for Cabinet Doors
Manufacturer	Grass America
Model	Tiomos 110 Overlay, Half Overlay or Inset
Finish	Nickel Plated
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Screw/Nail	As recommended by Manufacturer
Finish	US15
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.
Notes	Use soft close hinges. https://tinyurl.com/2ubsjany

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Grass America
Contact Name:
Phone: 800.334.3512
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Elevator Lobby
Administration

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-011_MH-005-KV

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Shelf Supports Pins & Bussings
Item Type	Shelf Supports
Description	Shelf Supports (non-exposed 5mm)
Manufacturer	KV
Model	345
Dimensions	5/16"
Finish	Nickel Plated (NP)
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Screw/Nail	As recommended by Manufacturer
Finish	Nickel Plated (NP)
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: KV
Contact Name: Customer Service
Phone: 1(800)-253-1561
Email: customer.service@kv.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Connection Center
Hub
On Us
Buffet
Flex
Employee Areas
Elevator Lobby
Administration

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-011_MH-021-EP

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Cabinet Pulls
Item Type	Cabinet Pull
Description	Wire Pull Essentials Collection
Manufacturer	Hafele
Model	116.07.443
Dimensions	5"
Finish	Chrome plated, satin-finish
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Screw/Nail	As recommended by Manufacturer
Finish	Satin Chrome
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Limited Lifetime Warranty
Notes	https://tinyurl.com/4xf3phww

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Hafele America Co
Contact Name: Ty Lefever
Phone: (815) 315-3410
Email: ty.lefever@hafele.us

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Employee Areas
Administration

Public Restroom Vanities_ML-012

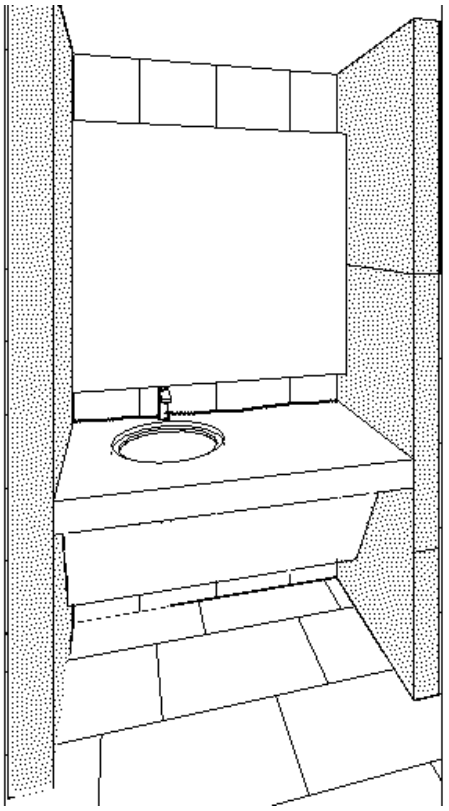
Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-012

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Public Restroom Vanity Millwork
Item Type	Public Millwork
Description	Plastic Laminate Clad Custom Millwork consisting of plumbing, panels, and countertops.
Manufacturer	R.B. Woodcraft, J. Suss Industries; MGroup; MillRock Casework
Model	Not Applicable
Dimensions	Refer to Design Guideline Drawings
Color	Refer to Design Guideline Drawings and Building Product Manual
Finish	Refer to Design Guideline Drawings and Building Product Manual
Material Composition	Cabinet to Door Interface shall be Frameless, Flush (Full) Overlay. Grain direction to be horizontal on doors, drawer fronts, knee space panels, aprons & end panels.
CSI #	12 32 16 - Manufactured Plastic Laminate Clad Casework
Omniclass #	22-12 32 16 - Manufactured Plastic Laminate Clad Casework
Grade	Lumber shall be in accordance with the AWS Grade specified for the product being fabricated. Moisture content shall be 6% to 12% for boards up to 2-inches nominal thickness, and shall not exceed 19% for thicker pieces.
Classification	Particle Board: ANSI A208.1, Mat-Formed Particle Board, Grade 1-M-2, with minimum density of 45 pcf. Internal bond of 60 psi, and minimum screw holding capacity of 225 lb. on faces and 200 lb. on edges. Hardboard: ANSI A135.4, Class 1, tempered. E. MDF: ANSI A208.2, Grade 130.
Acoustical Performance	Door & Drawer bumpers to be placed on all cabinet doors and drawers.
Best Practices	Use products with no urea-formaldehyde resins. Use adhesives with Low VOC content.
Quality Standards	Architectural Woodwork Standards (AWS)
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	N
Design & Construction	See attached specifications. All listed millwork must be manufactured in accordance with the attached specifications.
Lighting	Not Applicable
Plastic Laminate	Refer to Specifications
Millwork Hardware	Refer to Specifications
Pattern/ Color	Refer to drawings for finishes. Review and approval

	of finish samples required prior to manufacturing.
Fabric Wrapped Panels	Not Applicable
Lead Time	TBD
Notes	1. Public Space Casework: Interior face of exposed cabinet units shall be Thermoset Decorative Overlay (melamine), to match door fronts as shown in the Design Guideline Drawings. a. Exposed & Semi-Exposed ends: Grade VGS plastic laminate or minimum 1mm thick PVC edge banding. Color to match exposed faces. b. Interior unexposed face of units that are likely to become wet should be constructed of polyester overlaid plywood cabinet liner materials: Cabinet Liner Industrial Panel by Olympic Panel Products, LLC or approved substitution. 2. Top and Bottom Rails; and Sub-toe Boards: Not less than 3/4-inch particleboard faced with Grade VGS plastic laminate to match door and drawer fronts. Machine ends for wood-dowel or mechanical dowel fasteners to receive top, bottom, and back. Base ends to extend to floor. Finish exposed ends to match doors and doors and drawer fronts. 3. Unexposed Ends: Not less than 3/4-inch tempered hardboard; finished with Thermoset Decorative Overlay (Melamine). Attach to front frame in same manner as exposed ends. 4. Back Panels: Not less than 1/4-inch tempered hardboard or MDF; finished with Thermoset Decorative Overlay (Melamine). a. Cut out of the back panel to be included to facilitate plumbing connections. Cut out at bottom panel center also to be included for potential plumbing access. Millwork must be constructed to allow this without impacting core structure & strength. 5. Front Panel to have a slight reveal. Panel to be removable, for maintenance purposes. Panel should not be able to be removed or opened by guests. No visible screws. Recommend 4 roller catch and 2 latches. Hardware must be Stainless steel or non-rusting material. 6. Filler Strips: Provide as needed to close spaces between cabinets and walls, ceilings, and indicated equipment. Fabricate from same material and with same finish as cabinets. Oversize for field cutting to suit field conditions and assure continuous enclosure of open spaces. Provide raw (unfinished) cleats at blind corners and appliance openings as required to support countertops, minimum 3/4-inch x 1-1/2 inch x 8 foot length, to be field cut and fit by the installer.

SPECIAL INSTRUCTIONS

Architect / General Contractor to coordinate millwork with equipment sizes and requirements, to include plumbing fixtures,

toilet accessories, mirrors, lighting, power etc.

MANUFACTURER

Vendor Name: RB Woodcraft Inc
Contact Name: Drew Brooks
Phone: (315) 474-2429
Email: drewbrooks@rbwoodcraft.com

ALTERNATE MANUFACTURER 2

Vendor Name: J Suss Industry
Contact Name: Liane Alexander
Phone: (866) 769-5666
Email: liane@jsuss.com

ALTERNATE MANUFACTURER 3

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 4

Vendor Name: Millrock
Contact Name: Jared Jaudon
Phone: (540) 437-3458
Email: jjaudon@millrock.com

AREAS

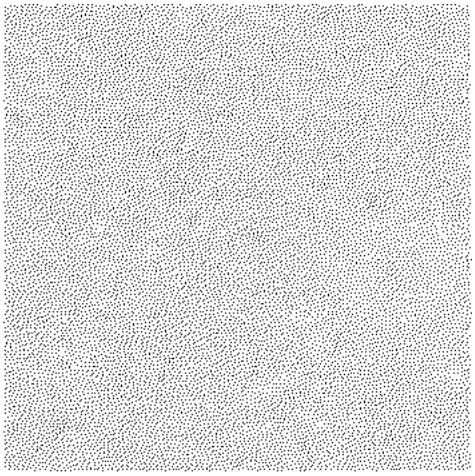
Public Restrooms

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-012_CT-001-BS

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Belstone
Model	Dodi
Dimensions	Refer to Design Guideline Drawings
Color	Demitasse
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Notes	Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 2

Vendor Name: MGroup
Contact Name: Drew Murray

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Public Restrooms

Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 3

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

ALTERNATE MANUFACTURER 4

Vendor Name: Daltile
Contact Name: Morgan Stephenson
Phone: (214) 309-4531
Email: morgan.stephenson@daltile.com

Elevator Lobby
Hydration Station

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-012_CT-001-DA

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Daltile
Model	One-Quartz
Dimensions	Refer to Design Guideline Drawings
Color	QQ20-Aspen Gray
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Thickness	2cm Unless Otherwise Noted. Refer to Details Eased Edge.
Notes	Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

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MANUFACTURER

Vendor Name: Daltile
Contact Name: Morgan Stephenson
Phone: (214) 309-4531
Email: morgan.stephenson@daltile.com

AREAS

Hub
On Us
Buffet

ALTERNATE MANUFACTURER 2

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 3

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 4

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

Flex
Fitness Center
Employee Areas
Public Restrooms
Hydration Station
Lobby

WALL | COUNTERTOPS

ONE QUARTZ SURFACES®

daltile®

ONE QUARTZ SURFACES®

TABLE OF CONTENTS

5	MARBLE LOOK
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17	CONCRETE LOOK
21	MONOCHROMATIC LOOK
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SLAB

USAGE

FLOOR

WALL

COUNTERTOP

SHOWER FLOOR

EXTERIOR FLOOR

STEPWISE

TRU-EDGE

MADE IN THE U.S.A.

LARGE FORMAT

MOSAIC/ DECO

ENCAUSTIC

TERRAZZO

PAVER

CUSTOMIZE

FLEXFIT™

Q

LOW HIGH

SEE CHARTS FOR FULL PRODUCT DETAILS

SPECIAL FEATURES

*MADE IN THE USA WITH IMPORTED MATERIAL.

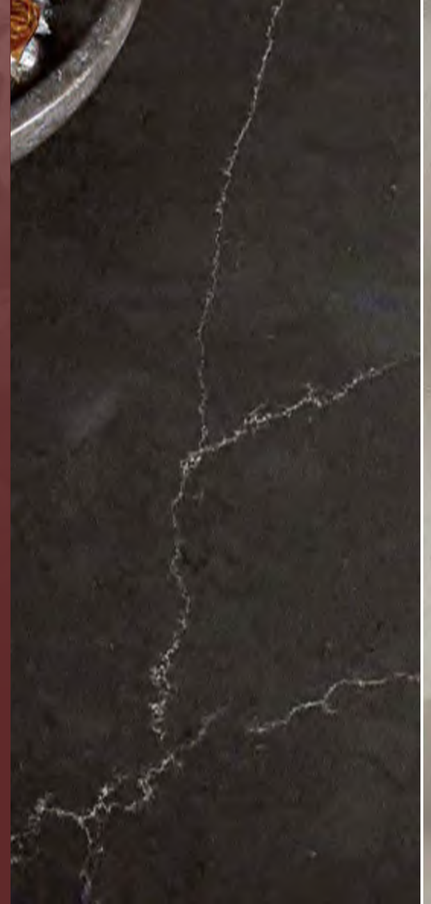
FROM NATURE CHIC – TO CITY SLEEK

With the ONE Quartz Surfaces® assortment, we've brought together the beauty of quartz and modern technology to create new and exciting possibilities. ONE Quartz Surfaces® gives you more design choices for your next project. The low maintenance and durability of ONE Quartz Surfaces® countertops make it perfect for any application, commercial or residential. Functional yet chic, that's what ONE Quartz Surfaces® is all about.

AVAILABLE IN:

Within these unique series, you'll have more selection than ever before.

- Marble Look
- Stone Look
- Concrete Look
- Monochromatic Look



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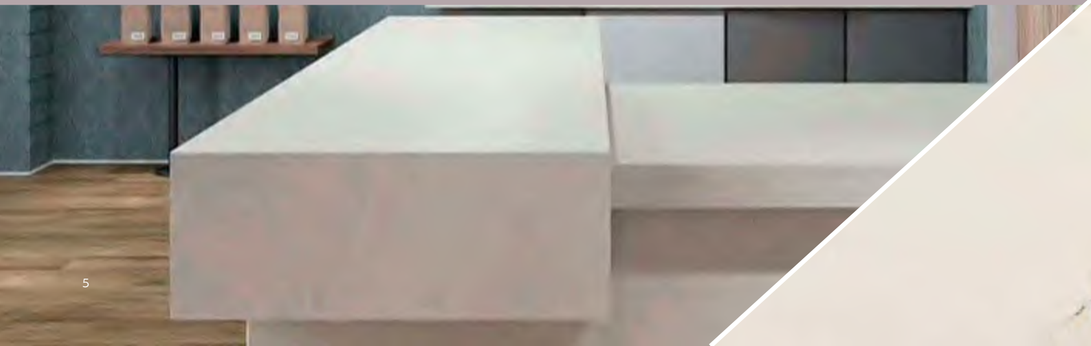
MARBLE LOOK

Dazzle in design with charming details which embody the luxury of the finest marble. Create drama with striking vein patterns, or infuse tranquility with subtle marbling. This look allows you to create elegant styles with outstanding durability.

Made in the USA with imported material.



ML-012_CT-001-DA

RUSHMORE OQ41

FREEDOM CALACATTA OQ42

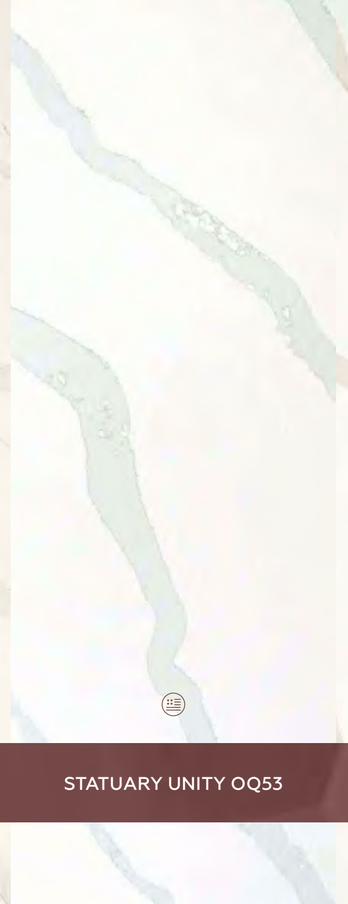
WASHINGTON OQ43

LIBERTY CALACATTA OQ44

LIBERTY GOLD OQ45

PATRIOCTIC CALACATTA OQ47

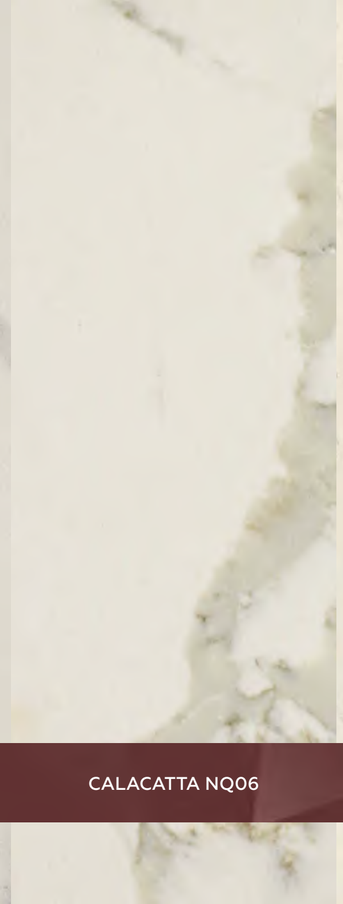
INDEPENDENCE CALACATTA OQ48



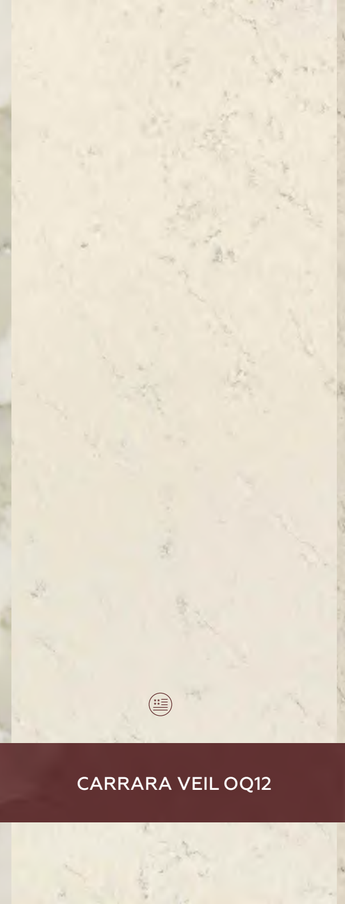
STATUARY UNITY OQ53

STATUARY GLORY OQ52

WHITE STATUARY NQ12

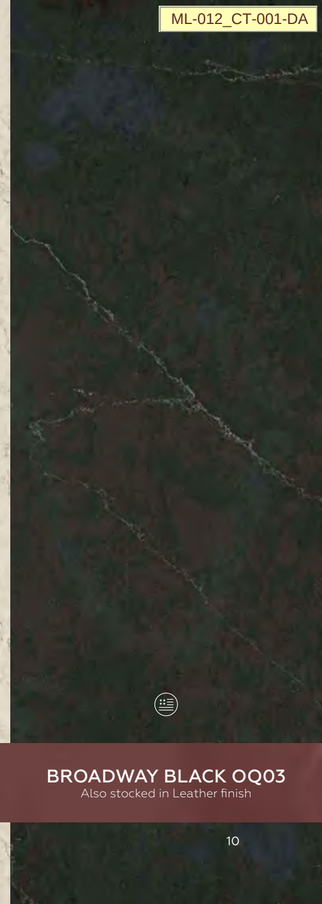


CALACATTA NQ06



CARRARA VEIL OQ12

CARRARA AURA OQ09



BROADWAY BLACK OQ03
Also stocked in Leather finish

STONE LOOK

Enjoy the opulent beauty of stone with the benefits of extraordinary endurance. From travertine and limestone visuals, the many color choices are versatile for any design. Increase the style in your space with a majestic stone look.

Made in the USA with imported material.

VALOR WHITE OQ55

CAPITOL BEIGE OQ57

NOBLE GREY OQ56

ARCHES OQ33

NIAGARA OQ32

ROCKY MOUNTAIN OQ34

GOLDEN GATE OQ37

JASMINE WHITE OQ27

KODIAK OQ21

ASPEN GREY OQ20

WHITE SAND NQ97

ALMONDINE NQ36

EQUINOX OQ23

AVENUE WHITE OQ01
Also stocked in Leather finish

ALPINE WINTER OQ19

RIVERBANK NQ93

CONCRETE LOOK

Concrete features organic natural looks, bustling with city style and sophistication. Add an urban chic feel with looks that closely mimic the essence of poured concrete, while the smooth matte finish adds a touch of refinement.

Made in the USA with imported material.

ML-012_CT-001-DA

ML-012_CT-001-DA

LINCOLN WHITE NQ59

ASH GREY NQ69
Also stocked in Honed finish

CABRINI GREY NQ51

MERCER GREY NQ52

LUDLOW TAN NQ55

COLUMBUS BROWN NQ56

CONCRETE GREY NQ87

MONOCHROMATIC LOOK

Infuse your space with the raw beauty of a monochromatic look. Choose from a speckled look with flecks of character or subdued solids for a more contemporary space. From the purest white to the blackest black, the opportunities are endless.

Made in the USA with imported material.

CHIPPED ICE NQ91

MORNING FROST NQ30

WOVEN WOOL NQ09

SIMPLY WHITE NQ76
ONE Quartz Basics

SIMPLY GREY OQ30
ONE Quartz Basics

SIMPLY BEIGE OQ29
ONE Quartz Basics

WHITE ICE NQ90

FRESH LINENS NQ66

EVENING GREY NQ43

BRUSHED FLANNEL NQ60

MESA DUNE NQ89

METEOR SHOWER NQ25

PRODUCT **INFORMATION**

PRODUCT INFORMATION

Finishes	Actual Size		Thickness
	DOMESTIC COLORS	IMPORTED COLORS	
Polished	135-7/8" x 78-3/4" (345 cm x 200 cm)	Please reach out to local stone center for size details on all sourced products. Slab sizes vary.	1-1/4" (3 cm) & 3/4" (2 cm)

Custom slab finishes in semi-polished, honed and leather are available by special order.

Not all colors available in alternative finishes. Please contact your local slab center for availability.

			RESISTANCE						
	PRICE	STYLE	CHIPS	HEAT	STAIN	SCRATCHES	SEALING REQUIRED	MAINTENANCE	PROS
ONE QUARTZ SURFACES®	$$$	•••	•••	•••	•••	•••	NO	NO	Highly stain resistant Excellent for undermount sinks Engineered, so has consistent look Tons of colors to choose from

••• EXCELLENT
•• GOOD
• FAIR

Fifteen Year Limited Warranty, visit daltile.com for complete warranty details.♦

♦Sourced SKUS

Twenty Five Year Commercial Limited Warranty, visit daltile.com for complete warranty details.

Lifetime Residential Limited Warranty, visit daltile.com for complete warranty details.*

*Made in the U.S.A. with imported material.

MADE IN THE USA WITH IMPORTED MATERIAL.

To See Approved Colors, Please Check The Below Link:
info.nsf.org/Certified/Food/Listings.asp?Company=C0536133&Standard=051

PRODUCT **INFORMATION**

INSTALLATION

Grout Joint Recommendation	Shade Variation
Tile : 1/16"	Medium (V2)

APPLICATIONS

	Target DCOF wet	Suitable
Dry & Level – Interior Floor	N/A	
Wet & Level – Interior Floor	≥ 0.42	
Shower Floors (Residential or Light Commercial)	≥ 0.42	
Exterior Floor Applications (including pool decking & other wet areas with minimal footwear)	≥ 0.60	
Ramps & Inclines	≥ 0.65	
Walls/Backsplashes	N/A	✓
Countertops	N/A	✓
Pool Linings	N/A	

ONE Quartz Surfaces do not meet minimum coefficient of friction thresholds recommended by safety standard-setting organizations. Water, oil, grease, etc., create slippery conditions. Floor applications with exposure to these conditions require extra caution in product selection.

Quartz not suitable for exterior applications due to small resin content. The sun will etch the material.

SLAB PERFORMANCE CHARACTERISTICS

	Test Method	Average Result*
Abrasion Wear Index	ASTM C501	≥ 135
Bulk Specific Gravity	ASTM C97	≤ 2500 kg / cubic meter
Chemical Resistance	ASTM C650	Resistant to typical household cleaners
Coefficient of Thermal Expansion	ASTM C531	≤ 4.0 • 10^{-5} °C^{-1}
Flexural Strength	ASTM C880	≥ 35 MPa
Water Absorption	ASTM C97	≤ 0.10%
Scratch Resistance (Mohs Hardness)	ASTM C1895	≥ 5
Stain Resistance	ANSI Z124.6	Pass
Thermal Shock Resistance	ASTM C484	Pass – No Effect

* Custom testing results by color are available upon request.

NOTES

ONE Quartz Surfaces products are nonporous, reducing the potential for bacteria growth, resist common food stains and are stronger than natural granite.

ONE Quartz Surfaces products are virtually maintenance free.

ONE Quartz Surfaces products contain natural quartz stone providing consistent color and visual movement. A wide range of color options allow for more design freedom.

ONE Quartz Surfaces products have a durable, scratch-resistant surface.

ONE Quartz Surfaces products are heat and scorch-resistant under normal cooking conditions (use of a trivet is recommended for longer or extreme heat exposure).

Visit daltile.com/countertops-product-category/one-quartz for additional polished, semi-polished, honed and leather finish details.

Twenty-Five year limited warranty. Visit daltile.com/countertops-product-category/one-quartz or details.

Fifteen-year limited warranty on imported materials.
Visit daltile.com/countertops-product-category/one-quartz for details.

White thin-set or mortar is recommended for the lighter colors of ONE Quartz Surfaces tiles.

WARNING: This product can expose you to chemicals known to the State of California to cause cancer, including crystalline Silica (airborne particles of respirable size) in dust created if the product is dry cut/ground/polished or pulverized during fabrication/installation/removal. For more information, go to www.P65Warnings.ca.gov.

For information refer to "Factors to Consider" at daltile.com/Factors.

DIMENSIONAL **STONE**

QUARTZ TAKES ON A WHOLE NEW DIMENSION

Our Dimensional team offers complete cut to size projects imported directly to the jobsite. Brought to you by the experts at Daltile®.

FORGET ONE-SIZE-FITS-ALL.

Or shape, for that matter. Our Dimensional program offers procurement, fabrication, and delivery for any project-all executed to your specifications.

Our team will help you identify exactly what you need to bring your vision to reality. Acting as a dedicated project manager, they'll walk you through every step, from inception to completion. Ask about our quantity survey, shop drawing and cutting ticket services!

LEAVE YOUR LIMITS BEHIND.

In addition to our standard product offering, we can also match most any color pallet. The experts at Daltile won't hesitate to make sure your project takes shape with complete coordination and precision.

STEP-BY-STEP

CUSTOM CUT TO YOUR SPECS. ON YOUR TERMS.

- We provide a digital take-off to identify the project scope, which includes materials, size, quantity, and edge treatment.
- You'll receive samples and pricing - we'll also provide support during the bid process to help determine the right material for the right location.
- Then you'll review CAD-generated shop tickets for confirmation that your goals are achieved.
- Now, your stone can be fabricated, delivered on time, within sequence, and ready to install.
- Each project is reviewed by an independent Daltile inspector. They ensure that color, size, calibration, and packaging meets your requirements prior to shipment.

LET US HANDLE ALL THE DETAILS

Contact your local Daltile Architectural Representative, Sales Representative or visit daltile.com to get started.

TECHNICAL **DATA**

QUALITY QUARTZ SURFACE

Test Items	Test Methods	Result
Absorption by Weight	ASTM C97/C97M-09	0.06%
Density	ASTM C97/C97M-09	148 lbs/ft^3
Abrasion Resistance	ASTM C241/C241M-13	47
Flexural Strength	ASTM C880/C880M-09	"dry" 34.9 Mpa "wet" 37.5 Mpa
Compressive Strength	ASTM C170/C170M-14	"dry" 192 Mpa "wet" 185 Mpa
Breaking Strength	ASTM C 648-09	5100 N
Thermal Expansion	ASTM C531-00(2012)	30.9 × 10^{-6}/°C
Chemical Resistance	ASTM C650-04(2009)	Not Affected
Abrasion Wear Index	ASTM C501-84(2009)	Wear Index: 136

TECHNICAL SPECIFICATION

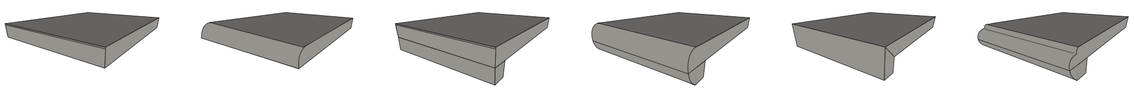
Quartz is one of nature's hardest minerals. Our surfaces are composed of 93% quartz, and are therefore designed to last.

In a unique Daltile process, we take the innate strength of quartz and combine it with numerous polymers and dashes of pigments. The result: A range of durable and beautiful quartz surfaces in a wide variety of colors and finishes.

100% Engineered Stone | **Non Porous** | **Easy to Clean** | **Low Maintenance** | **Shock Resistant** | **Stain Resistant** * | **Scratch Resistant** | **Everlasting Sheen** | **Modern Collection of Colors**

* Only West Village Series

EDGES FOR QUARTZ



EASED
Traditional Edge

DEMI BULLNOSE
Added Movement

LAMINATED
Economically Bold

BULLNOSE LAMINATED
Safe and Modern

MITERED
Seamless Depth

OGEE LAMINATED
Elegance in Curves

ONE **QUARTZ®** FAQ

QUARTZ IS A VERSATILE, DURABLE MATERIAL THAT'S AVAILABLE IN A WIDE RANGE OF COLORS AND STYLES. Also known as engineered stone, quartz is made from a combination of resin and natural quartz crystals. The natural crystals in quartz countertops make each surface unique, while resin gives the material its durability and resistance to everyday wear and tear. Because quartz is a man-made product, this material can be tinted and shaped in a wide variety of ways. Unique colors, edge treatments, inlays and other style accents add to the aesthetic appeal of this product.

In general, engineered stone is less expensive than naturally sourced materials after installation, sealing and maintenance are considered. The exceptional strength, durability and aesthetic appeal of quartz make this product a popular alternative to granite, a stone known for its lasting beauty. In addition, quartz is remarkably easy to maintain.

IS QUARTZ A SAFE COUNTERTOP MATERIAL?

Quartz, or engineered stone, is highly resistant to the routine wear and tear of daily life. Because quartz is made from a tough combination of natural crystals and resin, this product is very durable and long lasting. Quartz is a safe material for bathroom, kitchen or office countertops, but standard precautions must be taken to protect this man-made material from damage and prevent fading of your quartz countertop colors.

Although quartz countertops are resistant to scratches, dents, scuffs, burns and stains, these surfaces can be damaged when exposed to heat or to certain chemicals or tools. Gentle cleaning with a mild detergent and water is all that's required to maintain these surfaces. To keep your quartz countertops safe from damage, take care not to expose them to harsh chemicals, permanent dyes or inks, abrasive cleansers, direct heat or knives and other metal tools.

WHAT COLORS DO QUARTZ COUNTERTOPS COME IN?

Quartz countertops come in a broad spectrum of colors and patterns, from cool pastels to rich, dark tones. Quartz is a man-made material that combines the strength and durability of resin with distinctive of natural quartz crystals. This material can be tinted in a nearly unlimited range of shades to match any interior color scheme. Whether you're decorating a kitchen in warm earth tones or remodeling a bathroom with pink and white surfaces, you can find a shade that complements your decor and any living space.

QUARTZ COLORS AND TREATMENTS

Quartz is an extremely versatile material, which can be tinted, treated or shaped to accommodate almost any homeowner's tastes. When you're shopping for quartz countertops, choosing the perfect color may be challenging. With so many different shades to choose from, it can be difficult to make a decision with confidence. A knowledgeable provider should be able to help you with this stage of the process by giving you a comprehensive overview of your choices and making suggestions for shades that will complement your design.

When it comes to designing a quartz countertop, you aren't limited to traditional, squared edge treatments. There are a number of different edge treatments to choose from, with beveled or rounded styles. Inlays add a touch of elegance to a countertop surface by accenting the contours of the counter. These unique treatments take a countertop a step beyond the ordinary and give your kitchen or bathroom an extra touch of style.

CHOOSING COLORS FOR YOUR COUNTERTOPS

The color of your quartz countertops can make a big difference in the visual dimensions of your kitchen or bathroom. Light colors will create a sense of space, enlarging the room visually. If you have a small kitchen or bath, quartz countertops in white, cream, beige or gray may be preferable to darker, richer tones. In a larger kitchen or a game room, a dark gray, brown or dramatic black surface can add style and elegance to your interior.

The colors you select will affect a room's atmosphere and character. If you're decorating a professional office, a black or charcoal quartz countertop can give your decor a sense of dignity and stability. In a master bathroom, a rich gold or beige creates a look of luxury. The colors of quartz countertops may be variegated with flecks or swirls of various colors that give your countertops the natural appearance of stone.

Most manufacturers come out with new color series on a regular basis. Although the latest trends may be appealing, choose a color that will stand the test of time to get the most value.

QUARTZ IN KITCHENS AND BATHROOMS

Quartz is a non-porous material that does not require a sealant to protect the surface against dirt, moisture or germs. The polymers used to manufacture quartz make the surfaces extremely sturdy and durable. In the kitchen, quartz countertops are resistant to ordinary contact with metal, ceramic, glass or other materials commonly used in cookware. However, quartz countertops should not be scraped with metal tools. When you're cutting food, use a cutting board rather than cutting or slicing directly onto a quartz surface.

In the kitchen, protecting food from exposure to bacteria is a big concern. Quartz countertops are non-porous, meaning that these surfaces are continuous and smooth and do not have any tiny openings in the surface. Unlike wood and some forms of stone, quartz will not absorb water or other liquids. Bacteria have no place to grow on a quartz surface, as long as it's wiped clean after preparing food. Use a cutting board made of marble or another non porous material to avoid scratching your countertops.

Germs tend to collect in bathrooms as well as kitchens. The moisture and warmth that gather in the bathroom make it a breeding ground for bacteria, mold and mildew. A sink or vanity topped with quartz offers protection against bacterial growth as well as longevity and beauty. With regular cleaning, quartz countertops keep bathrooms sanitary by discouraging the growth of bacteria, mold and mildew. When cleaning quartz countertops, do not use bleach or other harsh or abrasive cleansers. Bleach may discolor or damage a quartz counter.

ONE **QUARTZ®** FAQ

FINAL CONSIDERATIONS

When you're shopping for quartz countertops, you'll soon find that you have many choices in style and color. Because quartz countertops are man-made, this material can be manufactured in nearly any color. You can choose from a wide range of countertop edge treatments, from traditional rounded or cornered styles to more dramatic looks.

The cost and performance of quartz countertops increases their appeal to homeowners who are looking for resilience and aesthetic value at a competitive price to other alternatives. As you search for quartz countertops, look for a reliable provider with a reputation for quality craftsmanship. Because the supplier you choose may also install the product, it's important to review the quality of the company's labor as well as the quality of its products before you make this important investment.

WHAT MAINTENANCE IS REQUIRED FOR QUARTZ COUNTERTOPS?

Low maintenance requirements make quartz countertops appealing to many homeowners. Quartz countertops are manufactured with a combination of hard quartz crystals and durable resin polymers that make them extremely resilient. In addition, the leading manufacturers provide a 10 to 15 year limited warranty that covers manufacturer's defects. Routine care and cleaning is very simple, and with basic precautions to prevent stains, dents or scratches, safe quartz countertops can lend beauty and a sense of permanence to a home for decades.

Manufacturer's warranties will not cover damages caused by the owner's use of the product unless damage is linked to an error made by the company. Your quartz countertops must be installed by a professional contractor in order to be covered by the warranty, in most cases. Follow the manufacturer's specific recommendations for maintaining your new countertops to get the maximum value from this investment.

ROUTINE CARE AND CLEANING

With the right care, quartz countertops can lend aesthetic appeal to your kitchen, bathroom or office for years. Quartz can be cleaned easily with a mild detergent, water and a soft cloth or paper towel. Abrasive cleansers or harsh scouring pads and cleansers that contain bleach should not be used with quartz. Engineered stone surfaces do not require polishing to keep them shiny and smooth, but they should be cleaned gently to maintain their distinctive shine.

A rounded plastic knife should be used to remove dried foods or liquids on a quartz surface. Dried paint or grease can be gently scraped away with a plastic knife. Avoid using metal knives and utensils directly on the countertop, as metal may scratch the quartz.

Grease from cooking is a concern in many kitchens. To remove grease from your quartz countertops, use a product recommended by your manufacturer. Harsh cleansers should not be used to remove grease or other cooking stains. Gently scrape away hardened grease with a plastic knife before applying cleanser.

PREVENTING STAINS AND SCRATCHES

While quartz countertops are resistant to scratches, scuffs, dents, stains and burns, these surfaces are not damage-proof. Homeowners must take care to avoid exposing quartz countertops to permanent inks, markers or dyes, as these substances may not be removable. If a countertop is marked by a permanent marker or dye, rinse the area with water as soon as possible, then apply a cleansing product approved by the manufacturer if the stain is still visible. Clean the area again with water after applying the cleanser.

Turpentine and other paint stripping products may damage or discolor a quartz surface. To be on the safe side, avoid exposing quartz to any strong chemicals or solvents unless your manufacturer recommends them for use in removing stubborn stains or hardened grease. If exposure to a potentially harmful chemical solvent occurs, clean the area with water immediately.

Quartz countertops can be damaged by direct exposure to heat. When cooking, use trivets or heating pads to guard the countertop surface against direct exposure to hot cookware or coffee pots. Although quartz is resistant to stains from juice, wine, coffee and other food substances, it is best to wipe up spills immediately to prevent possible stains. When chopping vegetables, slicing bread or preparing other foods with sharp utensils, use a cutting board to prevent scratches.

Very little maintenance is required for quartz countertops. This engineered product does not require sealants, and its non-porous surface makes it a durable, sanitary option for kitchens or bathrooms. To ensure that you get the most life from your countertops and that your warranty covers any unexpected damages, follow the manufacturer's instructions for care and quartz countertop maintenance.

PROTECTING QUARTZ SURFACES

Quartz countertops can stand up to a lot of wear and tear, but they shouldn't be exposed to excessive impact or harsh chemicals. In the kitchen, use hot pads or trivets on your countertops to prevent hot skillets or pots from making contact with quartz surfaces. In the bathroom, curling irons and other heated appliances shouldn't be left sitting on sinks or vanities.

Although quartz is non porous and resists stains, liquid spills should be wiped up promptly. Coffee, wine, vinegar, lemon juice and other liquids should not be allowed to sit on a quartz countertop for long periods of time. If permanent dye or ink is spilled on the counter, rinse the area promptly with water, then use a cleanser approved by the manufacturer for removing permanent stains. If you need to scrape dried food or paint or hardened grease off a quartz countertop, use a rounded plastic utensil, like a putty knife.

To get the maximum use from this investment, choose quartz countertops that are covered by a warranty. A manufacturer's warranty will replace or repair a countertop if it shows evidence of a manufacturer's defect. With a reliable warranty and proper care, quartz is a safe countertop material.

PHOTOGRAPHY INDEX

COVER PHOTO

Independence Calacatta on the countertop.

PAGES 3-4 (LEFT TO RIGHT)

West Village Series Broadway Black on the countertop.

West Village Series Astor Grey on the countertop & backsplash.

West Village Series Barclay Tan on the countertop.

PAGE 5-6 (LEFT TO RIGHT)

Noble Grey on the countertop.

Patriotic Calacatta on the countertop.

PAGE 11-12 (LEFT TO RIGHT)

Avenue White on the countertop.

Valor White on the counter and backsplash.

PAGE 17-18 (LEFT TO RIGHT)

Carrara Aura on the bottom counter block.

Broadway Black on the top counter block.

PAGES 21-22 (LEFT TO RIGHT)

White Ice on the countertop.

Chipped Ice on the countertop.

Daltile | 7834 C.F. Hawn Freeway | Dallas, Texas 75217 | 214.398.1411 | 800.933.TILE
To view the complete collection of Daltile® products and information, visit our website at **daltile.com.**
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Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-012_CT-001-JG

Real Living Decor Package

Issue Date: Nov 23, 2022
Revision Date:

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	JG Edelen
Model	EHS-836
Dimensions	Refer to Design Guideline Drawings
Color	Goldfield
Finish	Polished Straight Edge
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Finish	Polished Straight Edge
Notes	Refer to drawings for edge profile Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

Label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

AREAS

Hub
On Us
Buffet

Real Living Decor Package

Issue Date: Nov 23, 2022
Revision Date:

ALTERNATE MANUFACTURER 2

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 3

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 4

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

Flex
Fitness Center
Employee Areas
Public Restrooms
Hydration Station

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-012_CT-001-MG

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Mgroup
Model	UltraCera
Dimensions	2cm
Color	Kachine Peak - 3007
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Notes	Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
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ALTERNATE MANUFACTURER 2

Vendor Name: Belstone

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Contact Name: Jared Holdridge
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ALTERNATE MANUFACTURER 3

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Contact Name: Timi Mustapha
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Email: timi@designertilestone.com

ALTERNATE MANUFACTURER 4

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

Public Restrooms
Elevator Lobby
Hydration Station

KACHINA PEAK- 30(

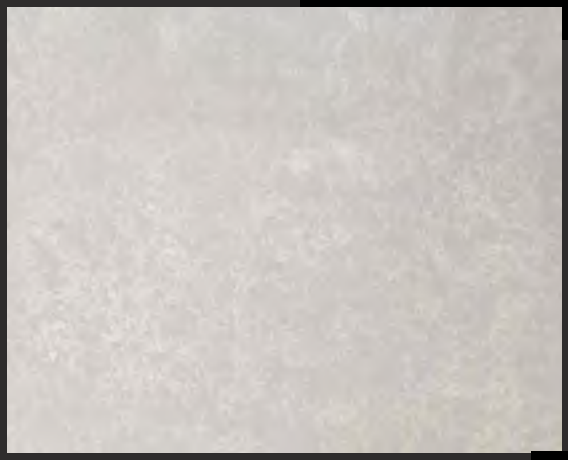
GROUP

ULTRACERA®
NextGeneration Composite Ecosurface

TECHNICAL SPECIFICATIOI

COMPRESSIVE STRENGTH (DRY): (ASTM C17(17) 256 Mp
DENSITY: (ASTM C9 18 2400) kg/m
WATER ABSORPTION: (ASTM C9 18) 0.03
THICKNESS: Standard 2cm or 3cm. Custom Availab
ABRASION RESISTANCE: (ASTM C241-15) 4
MOHS HARDNESS: (EN 15771) Averages
STAIN RESISTANCE: (ANSI Z124.6-07) Pa
CHEMICAL RESISTANCE: (ASTM C650) Not Affecte
FLEXURAL STRENGTH (DRY): (ASTM C88(14) 48.5Mp
THERMAL SHOCK RESISTANCE: (ASTM C484) No Defe
MODULUS OF RUPTURE: (ASTM C99) 3
FINISH: Polished Standard (level 6000 availabl
EDGE: Eased Standard—Fully Customizable Fabricatic
FIRE RATING: (ASTM E84) Class

KACHINA PEA



*SAMPLE IMAGE FOR REFERENCE ONL

APPLICATIO

Vanity Top
Kitchen Top
Window S
Desk Top
Dresser Top
Threshol
Wall Claddir

NOTI

Patent Pendir
0% Acrylic Solid Surfac
Non-Silica Based Produ
For More Information On What UltraCera® Is, And What It Is Not: Please Visit UltraCeraTops.co
Herein Are Subject To Change Without Notice Due To Constant Product And Engineering Improvement

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-012_CT-001-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Wilsonart International, Inc.
Model	Q4007
Dimensions	3/4" Thick
Color	Duomo
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Fire/Smoke Rating	ASTM E84 Class 1 (NFPA Class A) FS-25 or less.
Structural Performance	Mohs Hardness Scale: 6 to 6.5. Density: Not less than 2 g/cm3 when tested per ASTM C97.
Thermal Performance	Thermal shock: Pass 5 cycles, tested per ASTM C484.
Best Practices	UL Greenguard certified
Quality Standards	NSF/ANSI 51 Certified. Stain resistance: Passes ANSI Z124.6. Water absorption: Maximum 0.04 percent, tested per ASTM C97. Chemical resistance: Not Affected when tested per ASTM C650.
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	N
Thickness	3/4"
Finish	Polished
Warranty	One (1) year minimum warranty against defects in materials and workmanship. Commercial Lifetime warranty
Notes	Refer to drawings for edge profile. Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date: **Nov 23, 2022**

1981; timi@designertilestone.com;
www.designertilestone.com

SPECIAL INSTRUCTIONS

Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2'-0" apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

Vendor Name: JG EDELEN CO INC
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ALTERNATE MANUFACTURER 3

Vendor Name: Designer Tile & Stone
Contact Name: Timi Mustapha
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Email: timi@designertilestone.com

ALTERNATE MANUFACTURER 4

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Public Restrooms
Elevator Lobby
Hydration Station

TECHNICAL DATA
Wilsonart® Quartz

Wilsonart
2501 Wilsonart Drive
P.O. Box 6110
Temple, TX 76503-6110

1. Distributor

Wilsonart LLC
2501 Wilsonart Drive
P.O. Box 6110
Temple, Texas 76503-6110
Toll-Free: 800-433-3222
Website: www.wilsonart.com

2. Product Descriptions

Product Composition

Wilsonart® Quartz is manufactured with up to 93 percent high quality natural quartz crystals, high quality polyester binders, and proprietary coloring agents that are homogeneous, with uniform color throughout their thickness.

Basic Limitations

Wilsonart® Quartz is designed for interior use only, ideal for residential and commercial applications. Wilsonart Quartz is a solid, non-porous, highly durable surface and resistant to scratching, staining, and water absorption and is virtually maintenance free.

Fabrication

Refer to the Wilsonart Quartz Fabrication Manual or contact a Wilsonart® Quartz Fabricator or Distributor for details.

Colors and Finishes

Wilsonart® Quartz has created a wide array of colors. Wilsonart Quartz is available in a polished finish.
Glossometer reading: >45

Sheet Dimensions:

	Wilsonart® Quartz Standard Size
Available Sizes	120” (306 cm) x 55” (140 cm), 120” (306 cm) x 63” (160 cm), 126” (320 cm) x 63” (160 cm), 130” (330 cm) x 65” (166 cm)
Thickness	Product Type 062 = 0.79" (2 cm) ± 0.060"(0.15 cm)
Thickness	Product Type 063 = 1.18" (3 cm) ± 0.060"(0.15 cm)
Approximate Weight	Product Type 062 = 10 lbs./ft^2 (2 cm)
Approximate Weight	Product Type 063 = 15 lbs./ft^2 (3 cm)

* Please consult Wilsonart® Quartz Design Library on www.wilsonart.com for available slab sizes by pattern

Physical Properties

Test Description	**Typical Results**	**Test**
Flexural Strength (psi)	>6,000	ASTM D 790
	31 - 75	EN14617-2
Thermal Expansion Coefficient	16 x 10^{-6} - 20.8 x 10^{-6*}	EN14617-11
Impact Resistance	3.4 – 7.35	EN14617-9
Stain Resistance	No Effect	EN14617-10
High Temperature Heat Resistance	No Effect to Slight Effect	ISO 4586
Chemical Resistance (acids and bases)	C4	EN14617-10
Abrasion Resistance	>100	ASTM C501
	23.6 – 27.5	EN14617-4

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Density (g/cm^3)	>2.1	ASTM C97
Compressive Strength (One Axis – Dry) (psi)	>20,000	ASTM C170
Moisture Absorption	<0.03	ASTM C97
	<0.03	EN14617-1
Freeze and Thaw Resistance	0.999	EN14617-5
Fire Behavior	Class 1/A Rating	ASTM E 84

**Test results vary slightly depending on pattern.*
The information contained in this section is based on technical data which Wilsonart LLC believes to be reliable, and is intended for use by persons having knowledge of this technical area at their own discretion.

Certifications
Wilsonart® Quartz is UL GREENGUARD Standard and Gold Standard Certified for low chemical emissions.
NSF 51 Food Zone and FDA food contact compliant.
Wilsonart Quartz is Kosher certified under the Kashruth Division of the Orthodox Union.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Quartz per ISO 4586-2 Method 31 (B)
No effect was exhibited except as noted (* or **) on the following:

1. Beckart Environmental (Stabilized Chlorine Dioxide Mixed with Water at 3000ppm)
2. Benefect® *
3. Claire® Germicidal Cleaner (Country Fresh Scent) **
4. Claire® Disinfectant Spray Q (Country Fresh Scent) **
5. Clean Republic – All Purpose Everyday Cleaner (Hypochlorous Acid – 0.003% Solution)
6. Clorox® Anywhere® Hard Surface Sanitizing Spray *
7. Clorox® Clean-Up (Cleaner & Bleach)
8. Clorox® Disinfecting Bleach w/6% Sodium Hypochlorite (24:1/Water:Bleach)
9. Clorox® Disinfecting Spray
10. Clorox® Disinfecting Wipes
11. Clorox Healthcare® Bleach Germicidal Cleaner *
12. Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant *
13. Clorox Healthcare® Fuzion® Cleaner Disinfectant *
14. Clorox Healthcare® VersaSure® Cleaner Disinfectant Wipes
15. Clorox® Total 360 Disinfectant Cleaner
16. Diversey™ Expose® II 256 *
17. Diversey™ Oxivir 1 *
18. Diversey™ Oxivir Tb Wipes *
19. Diversey™ Stride® Floral Neutral Cleaner
20. Diversey™ Virex® II 256 *
21. Fabuloso® Complete (Multi-Purpose Cleaner)
22. Lysol® Professional Disinfectant Spray
23. Microban® 24 Hour (Multi-Purpose Cleaner)
24. PDI Sani-Prime® Germicidal Spray
25. PDI Super Sani-Cloth® Germicidal Disposable Wipes
26. PURELL® Advanced Hand Sanitizer Gel *
27. Purell® Food Service Surface Sanitizer *
28. Purell® Professional Surface Disinfectant *
29. Purell® Healthcare Surface Disinfectant *
30. Simple Green® Concentrated (All-Purpose Cleaner)
31. Spic and Span® Everyday (Antibacterial Cleaner)

Test procedure: Listed materials were placed in contact with Wilsonart® Quartz surface under 1" (25.4mm) diameter watch cover glass for 16 hours duration prior to evaluation for effect. The branded cleaners and sanitizers listed above were cleaned with water only.

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* Causes slight change of gloss or color.
** Causes slight damage, with degree of damage proportionate to length of exposure and concentration.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Quartz per BIFMA HCF 8.1-2014 (Section 6 / Modified)
No effect was exhibited except as noted (* or **) on the following:

1. Beckart Environmental, Inc. (Stabilized Chlorine Dioxide Mixed with Water at 3000ppm)
2. Benefect®
3. Claire® Germicidal Cleaner (Country Fresh Scent)
4. Claire® Disinfectant Spray Q (Country Fresh Scent)
5. Clean Republic – All Purpose Everyday Cleaner (Hypochlorous Acid – 0.003% Solution)
6. Clorox® Anywhere® Hard Surface Sanitizing Spray
7. Clorox® Clean-Up (Cleaner & Bleach)
8. Clorox® Disinfecting Bleach w/6% Sodium Hypochlorite (24:1/Water:Bleach)
9. Clorox® Disinfecting Spray
10. Clorox® Disinfecting Wipes
11. Clorox Healthcare® Bleach Germicidal Cleaner
12. Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant *
13. Clorox Healthcare® Fuzion® Cleaner Disinfectant
14. Clorox Healthcare® VersaSure® Cleaner Disinfectant Wipes
15. Clorox® Total 360 Disinfectant Cleaner
16. Diversey™ Expose II 256
17. Diversey™ Oxivir 1 *
18. Diversey™ Stride® Floral Neutral Cleaner
19. Diversey™ Tb Wipes *
20. Diversey™ Virex II 256
21. Fabuloso® Complete (Multi-Purpose Cleaner)
22. Lysol® Professional Disinfectant Spray
23. Microban® 24 Hour (Multi-Purpose Cleaner)
24. PDI Sani-Prime® Germicidal Spray
25. PDI Super Sani-Cloth® Germicidal Disposable Wipes
26. PURELL® Advanced Hand Sanitizer Gel
27. Purell® Food Service Surface Sanitizer
28. Purell® Professional Surface Disinfectant
29. Purell® Healthcare Surface Disinfectant
30. Simple Green® Concentrated (All-Purpose Cleaner)
31. Spic and Span® Everyday (Antibacterial Cleaner)

Test procedure: Listed reagent materials were placed in contact with Wilsonart® Quartz surface with a one-inch square 100% cotton cloth completely saturated and covered with a 2” (50.8mm) diameter watch cover glass for 15 minute duration. The reagents listed above were removed with clean cloth and the area was then cleaned with clean cloth and distilled water only. The surface area was allowed to dry for 1-hour prior to evaluation for effect.
* Causes slight change of gloss or color.
** Causes slight damage, with degree of damage proportionate to length of exposure and concentration.

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3. Care and Maintenance

4. Warranty

5. Customer Service
   For samples, literature, questions, technical assistance, or warranty information, please contact our toll-free Hotline at (800) 433-3222, Monday through Friday, 8 am – 5 pm CST, or visit our website at www.wilsonart.com.

Quartz Tech Data
Revised: July 9, 2020
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Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-012_LA-002-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Plastic Laminate
Item Type	Type 107 General Purpose (HGS) Laminate
Description	General purpose laminate product
Manufacturer	Wilsonart
Model	#7850-12
Dimensions	0.045" Plus Minus 0.005" Thickness, Standard Sheet Widths 36", 48", 60" x Standard Sheet Lengths 96", 120", 144"
Color	Beigewood
Finish	SoftGrain
Material Composition	Melamine impregnated deccorative surface papers combined with fire retardant phenolic treated kraft paper
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023 - Interior Architectural Woodwork
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Beigewood 7850-12
Warranty	1 Year
Notes	Recommended substrates for laminates are Particleboard, Medium Density Fiberboard (MDF) or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates.

SPECIAL INSTRUCTIONS

1. Run grain direction vertically unless noted otherwise.
2. PVC Edgebanding:
a. Exposed Ends: Grade VGS plastic laminate or minimum 0.030-inch thick PVC edge banding. Color to match exposed faces.
b. Semi-exposed Ends; Grade VGS plastic laminate or minimum 0.030-inch thick PVC edge banding. Color to match exposed faces.
3. Melamine at all vertical surfaces/HPL at all horizontal surfaces
4. Elevator Interior Cab: Materials shall comply with NEMA LD-3
a. Fire-Retardant Treated Particleboard Panels : Minimum ½-inch thick backup for plastic laminate veneered panels, provided with suitable anti-warp backing; to meet ASTM E84 Class “A” rating with flame-spread rating of 25 or less.

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-012_LA-002-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk
In-A-Pinch
Connection Center
Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Public Restrooms
Elevator Lobby
Administration
Lobby
Breakfast

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-012_MR-001

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Mirror
Item Type	Frameless Mirror
Description	Polished Glass Mirror, frame less
Manufacturer	Acceptable Glazing Manufacturer
Model	Per Specified Manufacturer
Dimensions	Thickness: 1/4"; Refer to Design Guideline Drawings for mirror size.
Finish	Clear
CSI #	088300 - Mirrors
Omniclass #	22 - 088300 - Mirrors
Accessibility Compliance	At a minimum, comply with accessibility regulations and standards of the country where the project is located. If governing accessibility regulations and standards do not exist, comply with the criteria as outlined by the U.S. ADA Standards for persons with disabilities.
Thickness	1/4"
Lead Time	Verify with manufacturer at time of purchase.
Warranty	To Be Verified with Manufacturer

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS
Edge: Ground Smooth with satin chrome continuous bottom and top channel.

MANUFACTURER	AREAS
ALTERNATE MANUFACTURER 2	Lobby Fitness Center
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Workroom Desk_Storage_ML-013

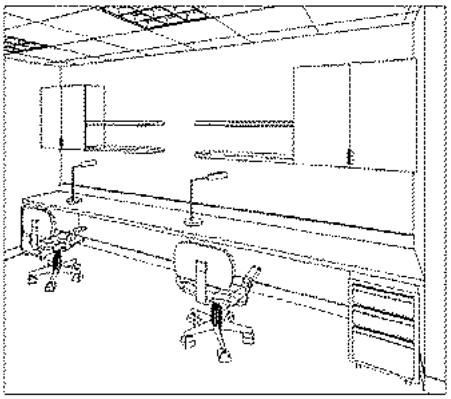
Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-013

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Administration Workroom Casework
Item Type	Adminstrative Millwork
Description	Plastic Laminate Clad Custom Millwork consisting of cabinets, shelves, and countertops.
Manufacturer	R.B. Woodcraft, J. Suss Industries, MGroup; MillRock Casework
Model	Not Applicable
Dimensions	Refer to Design Guideline Drawings
Color	Refer to Design Guideline Drawings and Building Product Manual
Finish	Refer to Design Guideline Drawings and Building Product Manual
Material Composition	Cabinet to Door Interface shall be Frameless, Flush (Full) Overlay. Grain direction to be horizontal on doors, drawer fronts, knee space panels, aprons & end panels.
CSI #	12 32 16 - Manufactured Plastic Laminate Clad Casework
Omniclass #	22-12 32 16 - Manufactured Plastic Laminate Clad Casework
Grade	Lumber shall be in accordance with the AWS Grade specified for the product being fabricated. Moisture content shall be 6% to 12% for boards up to 2-inches nominal thickness, and shall not exceed 19% for thicker pieces.
Classification	Particle Board: ANSI A208.1, Mat-Formed Particle Board, Grade 1-M-2, with minimum density of 45 pcf. Internal bond of 60 psi, and minimum screw holding capacity of 225 lb. on faces and 200 lb. on edges. Hardboard: ANSI A135.4, Class 1, tempered. E. MDF: ANSI A208.2, Grade 130.
Acoustical Performance	Door & Drawer bumpers to be placed on all cabinet doors and drawers.
Best Practices	Use products with no urea-formaldehyde resins. Use adhesives with Low VOC content.
Quality Standards	Architectural Woodwork Standards (AWS)
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	N
Design & Construction	See attached specifications. All listed millwork must be manufactured in accordance with the attached specifications.
Lighting	Not Applicable
Plastic Laminate	Refer to Specifications within Building Product Manual
Millwork Hardware	Refer to Specifications within Building Product

	Manual
Pattern/ Color	Refer to drawings for finishes. Review and approval of finish samples required prior to manufacturing.
Fabric Wrapped Panels	Not Applicable
Lead Time	TBD
Notes	1. Public Space Casework: Interior face of exposed cabinet units shall be Thermoset Decorative Overlay (melamine), to match door fronts as shown in the Design Guideline Drawings. a. Exposed & Semi-Exposed ends: Grade VGS plastic laminate or minimum 1mm thick PVC edge banding. Color to match exposed faces. 2. Top and Bottom Rails; and Sub-toe Boards: Not less than 3/4-inch particleboard faced with Grade VGS plastic laminate to match door and drawer fronts. Machine ends for wood-dowel or mechanical dowel fasteners to receive top, bottom, and back. Base ends to extend to floor. Finish exposed ends to match doors and doors and drawer fronts. 3. Unexposed Ends: Not less than 3/4-inch tempered hardboard; finished with Thermoset Decorative Overlay (Melamine). Attach to front frame in same manner as exposed ends. 4. Back Panels: Not less than 1/4-inch tempered hardboard or MDF; finished with Thermoset Decorative Overlay (Melamine). 5. Doors 48 Inches or Less in Height: 3/4 inch thick, Particle Board cores. Front faces to be Grade VGS plastic laminate overlay, and back faces to be Thermoset Decorative Overlay (melamine). Provide stop silencers at the top and bottom of all hinged doors. 6. Shelving (within cabinetry): Not less than 3/4" particle board with Thermoset Decorative Overlay (melamine) to match cabinet interior, PVC edge banding; adjustable at least every 1-1/2 inch; clear plastic [seismic] shelf clip pressed into 5mm holes bored in cabinet side. Fabricate base shelf to half depth. Exposed Fixed Shelving Units: Front faces to be Grade VGS plastic laminate overlay. 7. Filler Strips: Provide as needed to close spaces between cabinets and walls, ceilings, and indicated equipment. Fabricate from same material and with same finish as cabinets. Oversize for field cutting to suit field conditions and assure continuous enclosure of open spaces. Provide raw (unfinished) cleats at blind corners and appliance openings as required to support countertops, minimum 3/4-inch x 1-1/2 inch x 8 foot length, to be field cut and fit by the installer. 8. Base Cabinet Units: a. Base Cabinet Top Frames: 3/4-inch solid wood with mortise and tenon or doweled connections, glued

and pinned or screwed. Base Cabinet Stretchers: 3/4-by-4-1/2-inch plywood, Particle Board, or MDF strips or solid-wood boards at front and back of cabinet, glued and pinned or screwed.
b. Base Cabinet Stretchers may be provided as an option to base cabinet top frames.
c. Bottoms: Not less than 1/2-inch hardwood plywood faced with Thermoset Decorative Overlay (Melamine) to match door and drawer fronts, fully supported by and secured in rabbets in end panels, front frame, and back bottom rail.
d. Corner Blocks: Glued and fastened in each of four top corners to maintain cabinet squareness and rigidity.
9. Wall Cabinet Units:
a. Tops and Bottoms: Not less than 1/2-inch hardwood plywood faced with Thermoset Decorative Overlay (Melamine) to match door and drawer fronts, fully supported by and secured in rabbets in end panels, front frame, and back rail.

SPECIAL INSTRUCTIONS

Architect / General Contractor to coordinate millwork with power/data, etc.

MANUFACTURER

Vendor Name: RB Woodcraft Inc
Contact Name: Drew Brooks
Phone: (315) 474-2429
Email: drewbrooks@rbwoodcraft.com

ALTERNATE MANUFACTURER 2

Vendor Name: J Suss Industry
Contact Name: Liane Alexander
Phone: (866) 769-5666
Email: liane@jsuss.com

ALTERNATE MANUFACTURER 3

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 4

Vendor Name: Millrock
Contact Name: Jared Jaudon
Phone: (540) 437-3458
Email: jjaudon@millrock.com

AREAS

Administration

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-013_LA-002-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Plastic Laminate
Item Type	Type 107 General Purpose (HGS) Laminate
Description	General purpose laminate product
Manufacturer	Wilsonart
Model	#7850-12
Dimensions	0.045" Plus Minus 0.005" Thickness, Standard Sheet Widths 36", 48", 60" x Standard Sheet Lengths 96", 120", 144"
Color	Beigewood
Finish	SoftGrain
Material Composition	Melamine impregnated deccorative surface papers combined with fire retardant phenolic treated kraft paper
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023 - Interior Architectural Woodwork
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Beigewood 7850-12
Warranty	1 Year
Notes	Recommended substrates for laminates are Particleboard, Medium Density Fiberboard (MDF) or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates.

SPECIAL INSTRUCTIONS

1. Run grain direction vertically unless noted otherwise.
2. PVC Edgebanding:
a. Exposed Ends: Grade VGS plastic laminate or minimum 0.030-inch thick PVC edge banding. Color to match exposed faces.
b. Semi-exposed Ends; Grade VGS plastic laminate or minimum 0.030-inch thick PVC edge banding. Color to match exposed faces.
3. Melamine at all vertical surfaces/HPL at all horizontal surfaces
4. Elevator Interior Cab: Materials shall comply with NEMA LD-3
a. Fire-Retardant Treated Particleboard Panels : Minimum ½-inch thick backup for plastic laminate veneered panels, provided with suitable anti-warp backing; to meet ASTM E84 Class “A” rating with flame-spread rating of 25 or less.

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-013_LA-002-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk
In-A-Pinch
Connection Center
Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Public Restrooms
Elevator Lobby
Administration
Lobby
Breakfast

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-013_LA-006-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Plastic Laminate
Item Type	Thermally Fused Laminate (TFL)
Description	Thermally Fused Melamine
Manufacturer	Wilsonart
Model	N/A
Dimensions	Standard panels are 49 and 61 inches. Standard panel lenth is 97 inches.
Color	Gray 1500-60
Finish	Matte
Material Composition	Laminate Composition: Melamine saturated decorative layers thermally fused to both core face surfaces with heat and pressure. Stain resistant surface with wear and scratch resistance.
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023 - Interior Architectural Woodwork
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Thermally Fused Laminate/1500-60 Gray
Warranty	1 Year
Notes	Panel Core Material: Composite panel product composed primarily of cellulosic materials and a bonding system, resulting in a durable and dimensionally stable substrate suitable for decorative laminate overlays. Panel core material can be particleboard or medium density fiberboard.

SPECIAL INSTRUCTIONS

All substrates should be sanded smooth, and should be clean and free of oil or grease, and uniform in thickness.

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

AREAS

Welcome Desk
Hub
On Us
Buffet
Flex

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

ALTERNATE MANUFACTURER 3	Fitness Center Employee Areas Elevator Lobby Administration Lobby
ALTERNATE MANUFACTURER 4	

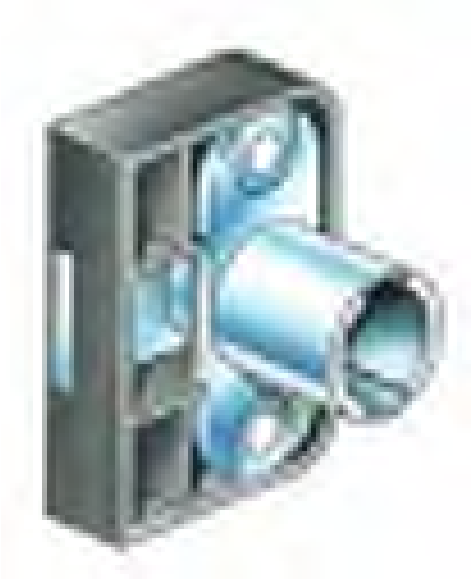
Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-013_MH-002-CX

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Door Locks
Item Type	Locks
Description	Cabinet Lock for Doors
Manufacturer	CompX-Timberline
Model	290 Series
Finish	Satin Nickel
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Screw/Nail	As recommended by Manufacturer
Finish	US15
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.
Notes	Use C700LP-15 Plugs https://tinyurl.com/2s3jxrad



SPECIAL INSTRUCTIONS

All locks in the same component to be on the same key, unless noted otherwise. Other millwork items on the hotel property with locks shall be keyed separately. Ensure master key is different at each hotel in the system.

MANUFACTURER

Vendor Name: CompX-Timberline
Contact Name:
Phone: 847.752.2600
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk
Hub
On Us
Buffet
Elevator Lobby
Administration

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-013_MH-003-GR

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Concealed Hinges
Item Type	Hinges
Description	Concealed Hinges for Cabinet Doors
Manufacturer	Grass America
Model	Tiomos 110 Overlay, Half Overlay or Inset
Finish	Nickel Plated
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Screw/Nail	As recommended by Manufacturer
Finish	US15
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.
Notes	Use soft close hinges. https://tinyurl.com/2ubsjany

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Grass America
Contact Name:
Phone: 800.334.3512
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Elevator Lobby
Administration

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-013_MH-005-KV

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Shelf Supports Pins & Bussings
Item Type	Shelf Supports
Description	Shelf Supports (non-exposed 5mm)
Manufacturer	KV
Model	345
Dimensions	5/16"
Finish	Nickel Plated (NP)
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Screw/Nail	As recommended by Manufacturer
Finish	Nickel Plated (NP)
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: KV
Contact Name: Customer Service
Phone: 1(800)-253-1561
Email: customer.service@kv.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Connection Center
Hub
On Us
Buffet
Flex
Employee Areas
Elevator Lobby
Administration

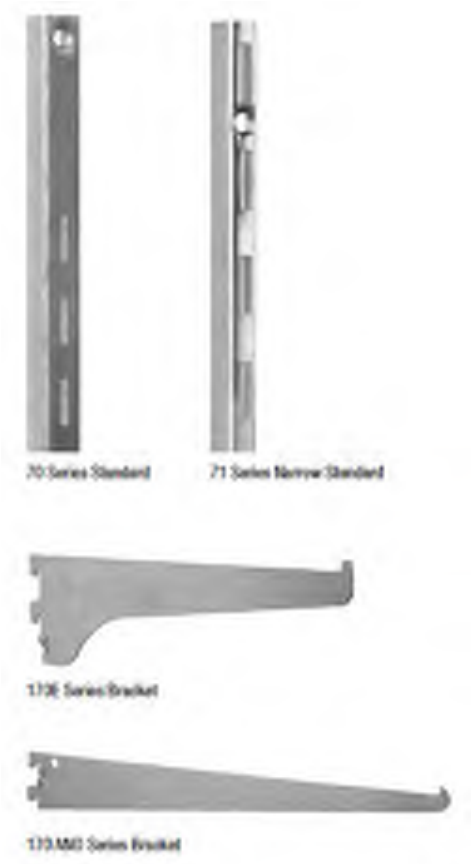
Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-013_MH-013-KV

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Millwork Bracket System Hardware
Item Type	Steel Standards & Brackets
Description	Regular Duty Single Slot Bracket & Standard System
Manufacturer	Knape & Vogt
Model	70™/71™ Series Standard & 170™ Series Bracket System
Dimensions	Coordinate with Design Guideline Drawings
Color	NA
Finish	Anochrome (ANO)
Material Composition	13-, 14- and 16-gauge steel
CSI #	123216 - Manufactured Plastic Laminate Clad Casework
Omniclass #	22-12 32 16 - Manufactured Plastic Laminate Clad Casework
Grade	BHMA Grade 2 Compliant
Quality Standards	ANSI/ BHMA A156.9
Accessories	Recommended fasteners (#6 head and #8 body x 1-1/2" screws)
Warranty	Limited Lifetime Warranty: This warranty covers defects in materials and workmanship which occur during normal use, and the remedy is limited to repair or replacement of defective products
Notes	Brackets should be mounted directly to wall studs



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: KV
Contact Name: Customer Service
Phone: 1(800)-253-1561
Email: customer.service@kv.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Administration

Regular-Duty
Up to 220 lbs./pair*
Single Slot Design
Adjustable in 1" increments

70™/71™ Series Standard & 170™ Series Bracket System

Applications Economy priced brackets ideal for garages, basements, workshops or anywhere shelving is needed.

Load Rating Varies per size*, BHMA Grade 2 Compliant*

Mounting Wall

Material 13-, 14- and 16-gauge steel

Finishes Economy Zinc (E), Anochrome (ANO): Long-lasting, corrosion resistant finishes

Features Standards can be mounted to any type of wall. Brackets are vertically adjustable in 1" increments.

70 Series Standards

- Dimensions: 5/8" wide x 13/32" deep x selected length
- 16-gauge galvanized steel construction
- Made in the USA
- Available from open stock

71 Series Narrow Standards

- Dimensions: 5/16" wide x 13/32" deep x selected length
- 13-gauge steel construction
- Made in the USA
- Available from open stock

170 Series Brackets

- Designed to be used with the KV 70 or 71 Series Standards
- 14-gauge steel construction (170 ANO) and 16-gauge galvanized steel construction (170 E)
- Vertically adjustable in 1" increments
- Made in the USA
- Available from open stock

* Contact KV Customer Service for information.

70 Series Standard

71 Series Narrow Standard

170E Series Bracket

170 ANO Series Bracket

70 Series Standards

Standard Pack (10/carton. UPC code applied.)	
Size	**Economy Zinc (E)**
24"	P70 E 24
36"	P70 E 36
48"	P70 E 48
72"	P70 E 72

71 Series Narrow Standards

Standard Pack (10/pack)	
Size	**Anochrome (ANO)**
48"	71 ANO 48
60"	71 ANO 60
72"	71 ANO 72
96"	71 ANO 96

170E Series Brackets

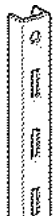
Standard Pack (50/carton. No UPC label)	
Size	**Economy Zinc (E)**
8"	170E 8
10"	170E 10
12"	170E 12

170 ANO Series Brackets

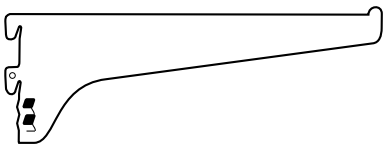
Standard Pack (10/box. No UPC label)	
Size	**Anochrome (ANO)**
10"	170 ANO 10
12"	170 ANO 12
14"	170 ANO 14

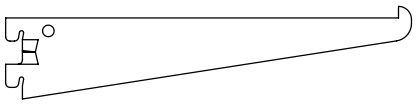
Non-stock item – minimum order quantities and additional lead time may apply.

70™ /71™ Series Standard & 170™ Series Bracket System


70 Series Standard

71 Series Narrow Standard


170E Series Bracket


170 ANO Series Bracket

1. Product Name

70/71 Series Wall Standard. 170 Series Adjustable Bracket. For adjustable shelving in light industrial, commercial, and residential applications.

2. Manufacturer

Knape & Vogt® Manufacturing Company
2700 Oak Industrial Dr. NE, Grand Rapids, MI USA 49505-6026
616.459.3311 | www.kv.com

3. Product Description

Basic Use: 70/71 Series Wall Standards and 170 Series Adjustable Brackets are manufactured for storage and display applications in retail stores, grocery stores, light warehouses, light industrial, repair garages, maintenance storage, business office storage, and residential storage. 70/71 Series Wall Standards mount to most wall types. 170 Series Adjustable Brackets are fully adjustable in 1" increments.
Recommended screws (1-1/2" long with a #8 body and #6 head) are available in bulk bags (50 per bag) and bulk cartons (6,000 per carton). Screws and anchors are available in display pack cartons (20 bags per carton) and warehouse pack cartons (50 bags per carton).

Composition and Materials:
- 70 (E) Series Standards: 16-gauge galvanized steel
- 71 (ANO) Series Standards: 13-gauge cold-rolled steel
- 170 (E) Series Brackets: 16-gauge galvanized steel
- 170 (ANO) Series Brackets: 14-gauge cold rolled steel

Sizes:
- 70 Series Standards: 5/8" wide x 13/32" deep with 1" slot adjustment
- 71 Series Standards: 5/16" wide x 13/32" deep with 1" slot adjustment

Stock Lengths:
- 70 Series: 24", 36", 48", 72"
- 71 Series: 48", 60", 72", 84", 96"
- 170 (E and ANO) Series Brackets: Used for shelf depths of 8", 10", 12", 14" (some depths not available in some finishes)

Finishes: Zinc (galvanized steel) or Anochrome (electro-plated steel)

4. Technical Data

Applicable Standards: Standards and brackets are tested to meet or exceed the ANSI performance standards as established by BHMA.

These load limits are intended to be used as general guidelines only, and no warranty — expressed or implied — is made by Knape & Vogt.

Results were obtained by laboratory testing in accordance with ANSI/ BHMA A156.9-2003 performance standard. (Load ratings based on brackets being mounted on 16" centers. Wider spacing will result in reduced load capacity.) Actual use conditions will typically result in lower load capacity than laboratory conditions.

Representative testing in a fully configured application is the only way to assure proper performance, durability, and safety. Contact KV for verification testing service of your specific application.

The aforementioned shelf support load limit is intended as a guide only and not as a warranty. Actual load bearing capabilities depend upon the type of cabinet/wall material and use of appropriate shelf standard mounting fasteners, installation technique, shelf standard spacing, shelf size and construction.

Environmental Considerations:

Environment: Excessive humidity, salts, or other chemical agents can corrode the finish and attack metal or plastic components.

Fastening: Inadequate or incorrect fasteners can result in the standards pulling loose and causing damage.

Alignment: Improper standard and bracket alignment can result in a system that is ineffective and unsafe.

5. Installation

For maximum loading capacity, brackets should be mounted directly to wall studs, which are generally found at 16" intervals. (If standards will not be mounted to studs, use appropriate wall anchors).

Use the recommended fasteners (#6 head and #8 body x 1-1/2" screws) in all holes to properly secure the standard. Prior to drilling all holes, check to be sure that the standard is vertically level.

Place the bracket into the standard slots. Using a hammer handle or screwdriver handle, tap lightly near the bracket's base. The bracket will snap into place.

6. Availability and Cost

Availability: Knape & Vogt (KV) products are available from stocking distributors and through KV Representatives worldwide.

Cost: Current pricing is available from area KV Representatives. Please call for the nearest representative at: 800.253.1561.

7. Warranty

Limited Lifetime Warranty: Knape & Vogt offers its standard Limited Lifetime Warranty to the initial purchaser of commercial products. This warranty covers defects in materials and workmanship which occur during normal use, and the remedy is limited to repair or replacement of defective products, at KV's option. Certain types of defects and damage are excluded from warranty coverage, costs and expenses are not covered, and additional restrictions apply. A copy of the Limited Lifetime Warranty, with all warranty details, limitations and disclaimers, is available on the Customer Care Connection location at www.kv.com or from KV Customer Service, 2700 Oak Industrial Drive, Grand Rapids, MI 49505, 800.253.1561.

8. Maintenance

70/71 Series Wall Standards and 170 Series Adjustable Brackets require no maintenance. Inspect for proper fit periodically and adjust when necessary. Replace as required or recommended by application.

9. Technical Services

Knape & Vogt and area representatives can assist with any application. For further information, or for the name of the representative nearest you, please call Knape & Vogt Customer Service: 800.253.1561 or visit our website at: www.kv.com.

10. Filing Systems

Additional product information, data sheets, application sheets, and a full catalog are available upon request from Knape & Vogt.

KNAPE & VOGT
2700 Oak Industrial Dr. NE
Grand Rapids, MI 49505-6026 USA
1.800.253.1561 | 616.459.3311
Fax: 877.636.3290
www.kv.com

BHMA Knape & Vogt shelving products follow the ANSI testing standards established by BHMA.

This and other KV literature is available for download at www.kv.com > Resource Library
Knape & Vogt reserves the right to change product specifications at any time without notice and without incurring responsibility for existing units. This information conforms to editorial style prescribed by The Construction Specifications Institute.
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Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-013_MH-021-EP

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Cabinet Pulls
Item Type	Cabinet Pull
Description	Wire Pull Essentials Collection
Manufacturer	Hafele
Model	116.07.443
Dimensions	5"
Finish	Chrome plated, satin-finish
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Screw/Nail	As recommended by Manufacturer
Finish	Satin Chrome
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Limited Lifetime Warranty
Notes	https://tinyurl.com/4xf3phww

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Hafele America Co
Contact Name: Ty Lefever
Phone: (815) 315-3410
Email: ty.lefever@hafele.us

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Employee Areas
Administration

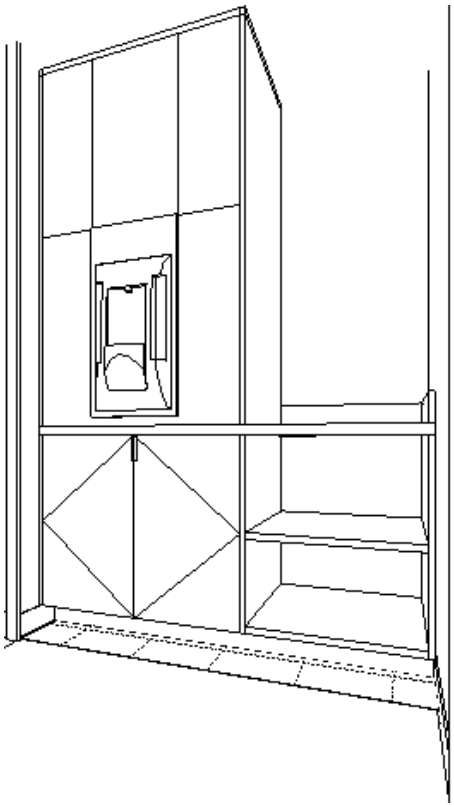
Hydration Stations at Upper Floors_ML-014

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-014

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:



Item Name	Hydration Station
Item Type	Upper Floor Elevator Lobby Millwork
Description	Plastic Laminate Clad Custom Millwork that houses hydration equipment. Consists of cabinets, shelves and countertops.
Manufacturer	R.B. Woodcraft, J. Suss Industries; MGroup; MillRock Casework
Model	Not Applicable
Dimensions	Refer to Design Guideline Drawings
Color	Refer to Design Guideline Drawings and Building Product Manual
Finish	Refer to Design Guideline Drawings and Building Product Manual
Material Composition	Cabinet to Door Interface shall be Frameless, Flush (Full) Overlay. Grain direction to be horizontal on doors, drawer fronts, knee space panels, aprons & end panels.
CSI #	12 32 16 - Manufactured Plastic Laminate Clad Casework
Omniclass #	22-12 32 16 - Manufactured Plastic Laminate Clad Casework
Grade	Lumber shall be in accordance with the AWS Grade specified for the product being fabricated. Moisture content shall be 6% to 12% for boards up to 2-inches nominal thickness, and shall not exceed 19% for thicker pieces.
Classification	Particle Board: ANSI A208.1, Mat-Formed Particle Board, Grade 1-M-2, with minimum density of 45 pcf. Internal bond of 60 psi, and minimum screw holding capacity of 225 lb. on faces and 200 lb. on edges. Hardboard: ANSI A135.4, Class 1, tempered. E. MDF: ANSI A208.2, Grade 130.
Acoustical Performance	Door & Drawer bumpers to be placed on all cabinet doors and drawers.
Best Practices	Use products with no urea-formaldehyde resins. Use adhesives with Low VOC content.
Quality Standards	Architectural Woodwork Standards (AWS)
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	N
Design & Construction	See attached specifications. All listed millwork must be manufactured in accordance with the attached specifications.
Lighting	Not Applicable
Plastic Laminate	Refer to Specifications within Building Product Manual

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Millwork Hardware	Refer to Specifications within Building Product Manual
Pattern/ Color	Refer to drawings for finishes. Review and approval of finish samples required prior to manufacturing.
Fabric Wrapped Panels	Not Applicable
Lead Time	TBD
Notes	1. Public Space Casework: Interior face of exposed cabinet units shall be Thermoset Decorative Overlay (melamine), to match door fronts as shown in the Design Guideline Drawings. a. Exposed & Semi-Exposed ends: Grade VGS plastic laminate or minimum 1mm thick PVC edge banding. Color to match exposed faces. b. Interior unexposed face of units that are likely to become wet should be constructed of polyester overlaid plywood cabinet liner materials: Cabinet Liner Industrial Panel by Olympic Panel Products, LLC or approved substitution. 2. Top and Bottom Rails; and Sub-toe Boards: Not less than 3/4-inch particleboard faced with Grade VGS plastic laminate to match door and drawer fronts. Machine ends for wood-dowel or mechanical dowel fasteners to receive top, bottom, and back. Base ends to extend to floor. Finish exposed ends to match doors and doors and drawer fronts. 3. Unexposed Ends: Not less than 3/4-inch tempered hardboard; finished with Thermoset Decorative Overlay (Melamine). Attach to front frame in same manner as exposed ends. 4. Back Panels: Not less than 1/4-inch tempered hardboard or MDF; finished with Thermoset Decorative Overlay (Melamine). 5. Doors 48 Inches or Less in Height: 3/4 inch thick, Particle Board cores. Front faces to be Grade VGS plastic laminate overlay, and back faces to be Thermoset Decorative Overlay (melamine). Provide stop silencers at the top and bottom of all hinged doors. 6. Shelving (within cabinetry): Not less than 3/4" particle board with Thermoset Decorative Overlay (melamine) to match cabinet interior, PVC edge banding; adjustable at least every 1-1/2 inch; clear plastic [seismic] shelf clip pressed into 5mm holes bored in cabinet side. Fabricate base shelf to half depth. Exposed Fixed Shelving Units: Front faces to be Grade VGS plastic laminate overlay. 7. Filler Strips: Provide as needed to close spaces between cabinets and walls, ceilings, and indicated equipment. Fabricate from same material and with same finish as cabinets. Oversize for field cutting to suit field conditions and assure continuous enclosure of open spaces. Provide raw (unfinished) cleats at

blind corners and appliance openings as required to support countertops, minimum 3/4-inch x 1-1/2 inch x 8 foot length, to be field cut and fit by the installer.
8. Base Cabinet Units:
a. Base Cabinet Top Frames: 3/4-inch solid wood with mortise and tenon or doweled connections, glued and pinned or screwed. Base Cabinet Stretchers: 3/4-by-4-1/2-inch plywood, Particle Board, or MDF strips or solid-wood boards at front and back of cabinet, glued and pinned or screwed.
b. Base Cabinet Stretchers may be provided as an option to base cabinet top frames.
c. Bottoms: Not less than 1/2-inch hardwood plywood faced with Thermoset Decorative Overlay (Melamine) to match door and drawer fronts, fully supported by and secured in rabbets in end panels, front frame, and back bottom rail.
d. Corner Blocks: Glued and fastened in each of four top corners to maintain cabinet squareness and rigidity.
9. Wall Cabinet Units:
a. Tops and Bottoms: Not less than 1/2-inch hardwood plywood faced with Thermoset Decorative Overlay (Melamine) to match door and drawer fronts, fully supported by and secured in rabbets in end panels, front frame, and back rail.

SPECIAL INSTRUCTIONS

Architect / General Contractor to coordinate millwork with equipment sizes and requirements, to include hydration equipment, power/data, etc.
Mount pulls vertically.

MANUFACTURER

Vendor Name: RB Woodcraft Inc
Contact Name: Drew Brooks
Phone: (315) 474-2429
Email: drewbrooks@rbwoodcraft.com

ALTERNATE MANUFACTURER 2

Vendor Name: J Suss Industry
Contact Name: Liane Alexander
Phone: (866) 769-5666
Email: liane@jsuss.com

ALTERNATE MANUFACTURER 3

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 4

Vendor Name: Millrock

AREAS

Elevator Lobby

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-014

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

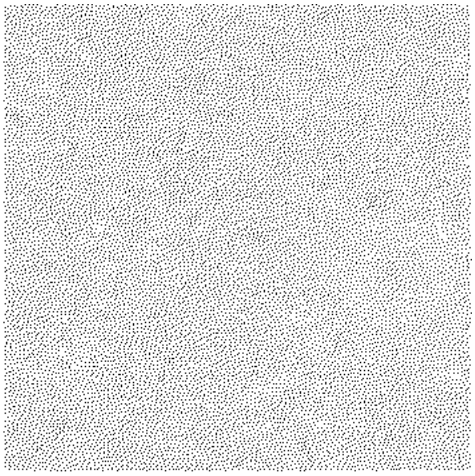
Contact Name: Jared Jaudon
Phone: (540) 437-3458
Email: jjaudon@millrock.com

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-014_CT-001-BS

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Belstone
Model	Dodi
Dimensions	Refer to Design Guideline Drawings
Color	Demitasse
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Notes	Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 2

Vendor Name: MGroup
Contact Name: Drew Murray

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Public Restrooms

Phone: (706) 302-5590 Email: drew.murray@mgroupcorp.com	Elevator Lobby Hydration Station
ALTERNATE MANUFACTURER 3 Vendor Name: JG EDELEN CO INC Contact Name: Kelly Smith Phone: (410) 918-1200 Email: ksmith@jgedelen.com	
ALTERNATE MANUFACTURER 4 Vendor Name: Daltile Contact Name: Morgan Stephenson Phone: (214) 309-4531 Email: morgan.stephenson@daltile.com	

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-014_CT-001-DA

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Daltile
Model	One-Quartz
Dimensions	Refer to Design Guideline Drawings
Color	QQ20-Aspen Gray
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Thickness	2cm Unless Otherwise Noted. Refer to Details Eased Edge.
Notes	Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

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MANUFACTURER

Vendor Name: Daltile
Contact Name: Morgan Stephenson
Phone: (214) 309-4531
Email: morgan.stephenson@daltile.com

AREAS

Hub
On Us
Buffet

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

ALTERNATE MANUFACTURER 2

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 3

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 4

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

Flex
Fitness Center
Employee Areas
Public Restrooms
Hydration Station
Lobby

ML-014_CT-001-DA

WALL | COUNTERTOPS

ONE QUARTZ SURFACES®

daltile®

ONE QUARTZ SURFACES®

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5	MARBLE LOOK
11	STONE LOOK
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21	MONOCHROMATIC LOOK
27	PRODUCT INFORMATION

SLAB

USAGE

FLOOR

WALL

COUNTERTOP

SHOWER FLOOR

EXTERIOR FLOOR

SPECIAL FEATURES

STEPWISE

TRU-EDGE

MADE IN THE U.S.A.

LARGE FORMAT

MOSAIC/ DECO

ENCAUSTIC

TERRAZZO

PAVER

CUSTOMIZE

FLEXFIT™

Q

LOW HIGH

SEE CHARTS FOR FULL PRODUCT DETAILS

*MADE IN THE USA WITH IMPORTED MATERIAL.

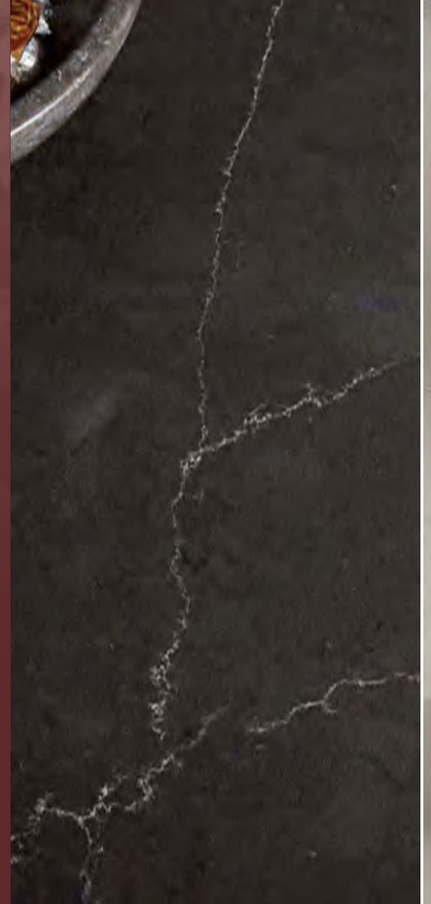
FROM NATURE CHIC – TO CITY SLEEK

With the ONE Quartz Surfaces® assortment, we've brought together the beauty of quartz and modern technology to create new and exciting possibilities. ONE Quartz Surfaces® gives you more design choices for your next project. The low maintenance and durability of ONE Quartz Surfaces® countertops make it perfect for any application, commercial or residential. Functional yet chic, that's what ONE Quartz Surfaces® is all about.

AVAILABLE IN:

Within these unique series, you'll have more selection than ever before.

- Marble Look
- Stone Look
- Concrete Look
- Monochromatic Look



ML-014_CT-001-DA

MARBLE LOOK

Dazzle in design with charming details which embody the luxury of the finest marble. Create drama with striking vein patterns, or infuse tranquility with subtle marbling. This look allows you to create elegant styles with outstanding durability.

Made in the USA with imported material.

ML-014_CT-001-DA

RUSHMORE OQ41

FREEDOM CALACATTA OQ42

WASHINGTON OQ43

LIBERTY CALACATTA OQ44

LIBERTY GOLD OQ45

PATRIOCTIC CALACATTA OQ47

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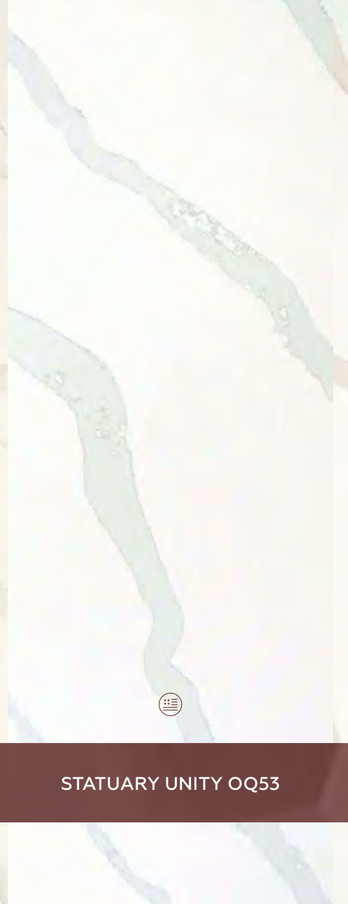
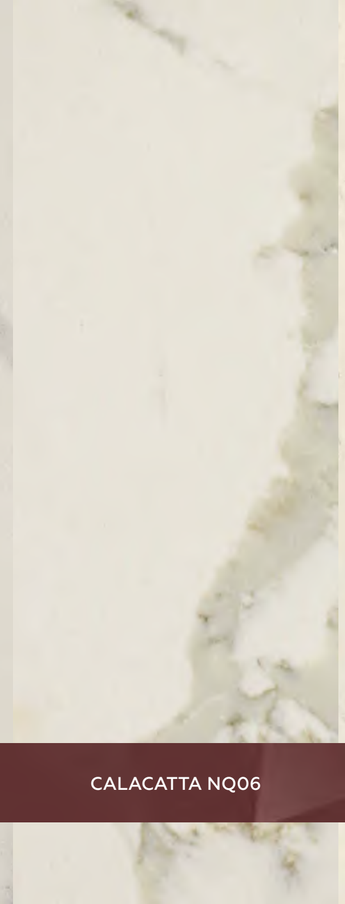
INDEPENDENCE CALACATTA OQ48



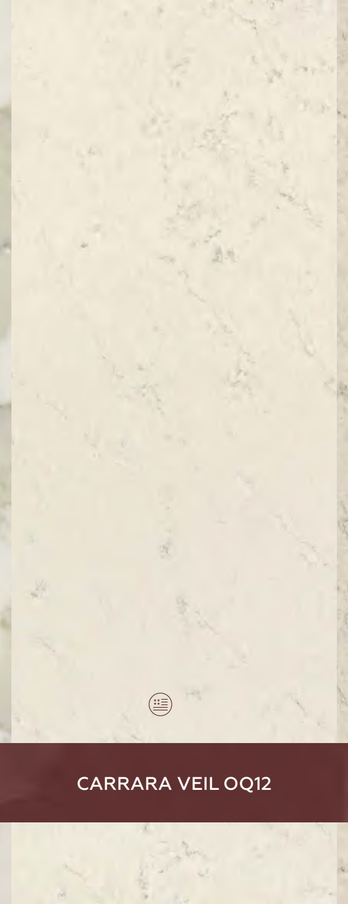
STATUARY UNITY OQ53

STATUARY GLORY OQ52

WHITE STATUARY NQ12

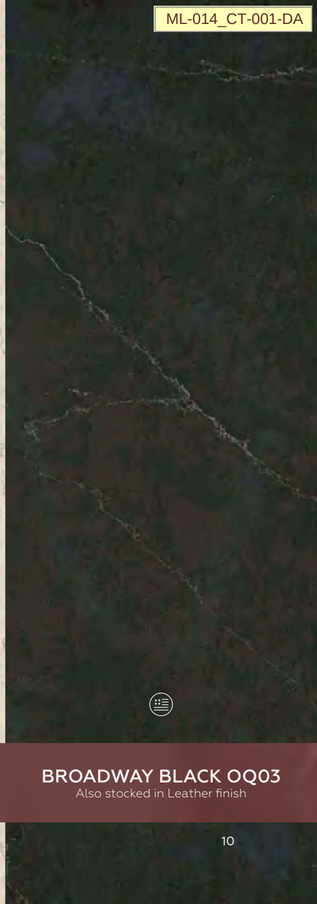


CALACATTA NQ06



CARRARA VEIL OQ12

CARRARA AURA OQ09



BROADWAY BLACK OQ03
Also stocked in Leather finish

STONE LOOK

Enjoy the opulent beauty of stone with the benefits of extraordinary endurance. From travertine and limestone visuals, the many color choices are versatile for any design. Increase the style in your space with a majestic stone look.

Made in the USA with imported material.

VALOR WHITE OQ55

CAPITOL BEIGE OQ57

NOBLE GREY OQ56

ARCHES OQ33

NIAGARA OQ32

ROCKY MOUNTAIN OQ34

GOLDEN GATE OQ37

JASMINE WHITE OQ27

ML-014_CT-001-DA

KODIAK OQ21

ASPEN GREY OQ20

WHITE SAND NQ97

ALMONDINE NQ36

EQUINOX OQ23

AVENUE WHITE OQ01
Also stocked in Leather finish

ALPINE WINTER OQ19

RIVERBANK NQ93

ML-014_CT-001-DA

CONCRETE LOOK

Concrete features organic natural looks, bustling with city style and sophistication. Add an urban chic feel with looks that closely mimic the essence of poured concrete, while the smooth matte finish adds a touch of refinement.

Made in the USA with imported material.

ML-014_CT-001-DA

LINCOLN WHITE NQ59

ASH GREY NQ69
Also stocked in Honed finish

CABRINI GREY NQ51

MERCER GREY NQ52

LUDLOW TAN NQ55

COLUMBUS BROWN NQ56

CONCRETE GREY NQ87

MONOCHROMATIC LOOK

Infuse your space with the raw beauty of a monochromatic look. Choose from a speckled look with flecks of character or subdued solids for a more contemporary space. From the purest white to the blackest black, the opportunities are endless.

Made in the USA with imported material.

ML-014_CT-001-DA

CHIPPED ICE NQ91

MORNING FROST NQ30

WOVEN WOOL NQ09

SIMPLY WHITE NQ76
ONE Quartz Basics

SIMPLY GREY OQ30
ONE Quartz Basics

SIMPLY BEIGE OQ29
ONE Quartz Basics

ML-014_CT-001-DA

WHITE ICE NQ90

FRESH LINENS NQ66

EVENING GREY NQ43

BRUSHED FLANNEL NQ60

MESA DUNE NQ89

METEOR SHOWER NQ25

PRODUCT **INFORMATION**

PRODUCT INFORMATION

Finishes	Actual Size		Thickness
	DOMESTIC COLORS 135-7/8" x 78-3/4" (345 cm x 200 cm)	IMPORTED COLORS Please reach out to local stone center for size details on all sourced products. Slab sizes vary.	
Polished			1-1/4" (3 cm) & 3/4" (2 cm)

Custom slab finishes in semi-polished, honed and leather are available by special order.

Not all colors available in alternative finishes. Please contact your local slab center for availability.

			RESISTANCE						
	PRICE	STYLE	CHIPS	HEAT	STAIN	SCRATCHES	SEALING REQUIRED	MAINTENANCE	PROS
ONE QUARTZ SURFACES®	$$$	•••	•••	•••	•••	•••	NO	NO	Highly stain resistant Excellent for undermount sinks Engineered, so has consistent look Tons of colors to choose from

••• EXCELLENT
•• GOOD
• FAIR

Fifteen Year Limited Warranty, visit daltile.com for complete warranty details.♦

♦Sourced SKUS

Twenty Five Year Commercial Limited Warranty, visit daltile.com for complete warranty details.

Lifetime Residential Limited Warranty, visit daltile.com for complete warranty details.*

*Made in the U.S.A. with imported material.

MADE IN THE USA WITH IMPORTED MATERIAL.

To See Approved Colors, Please Check The Below Link:
info.nsf.org/Certified/Food/Listings.asp?Company=C0536133&Standard=051

PRODUCT **INFORMATION**

INSTALLATION

Grout Joint Recommendation	Shade Variation
Tile : 1/16"	Medium (V2)

APPLICATIONS

	Target DCOF wet	Suitable
Dry & Level – Interior Floor	N/A	
Wet & Level – Interior Floor	≥ 0.42	
Shower Floors (Residential or Light Commercial)	≥ 0.42	
Exterior Floor Applications (including pool decking & other wet areas with minimal footwear)	≥ 0.60	
Ramps & Inclines	≥ 0.65	
Walls/Backsplashes	N/A	✓
Countertops	N/A	✓
Pool Linings	N/A	

ONE Quartz Surfaces do not meet minimum coefficient of friction thresholds recommended by safety standard-setting organizations. Water, oil, grease, etc., create slippery conditions. Floor applications with exposure to these conditions require extra caution in product selection.

Quartz not suitable for exterior applications due to small resin content. The sun will etch the material.

SLAB PERFORMANCE CHARACTERISTICS

	Test Method	Average Result*
Abrasion Wear Index	ASTM C501	≥ 135
Bulk Specific Gravity	ASTM C97	≤ 2500 kg / cubic meter
Chemical Resistance	ASTM C650	Resistant to typical household cleaners
Coefficient of Thermal Expansion	ASTM C531	≤ 4.0 • 10^{-5} °C^{-1}
Flexural Strength	ASTM C880	≥ 35 MPa
Water Absorption	ASTM C97	≤ 0.10%
Scratch Resistance (Mohs Hardness)	ASTM C1895	≥ 5
Stain Resistance	ANSI Z124.6	Pass
Thermal Shock Resistance	ASTM C484	Pass – No Effect

* Custom testing results by color are available upon request.

NOTES

ONE Quartz Surfaces products are nonporous, reducing the potential for bacteria growth, resist common food stains and are stronger than natural granite.

ONE Quartz Surfaces products are virtually maintenance free.

ONE Quartz Surfaces products contain natural quartz stone providing consistent color and visual movement. A wide range of color options allow for more design freedom.

ONE Quartz Surfaces products have a durable, scratch-resistant surface.

ONE Quartz Surfaces products are heat and scorch-resistant under normal cooking conditions (use of a trivet is recommended for longer or extreme heat exposure).

Visit daltile.com/countertops-product-category/one-quartz for additional polished, semi-polished, honed and leather finish details.

Twenty-Five year limited warranty. Visit daltile.com/countertops-product-category/one-quartz or details.

Fifteen-year limited warranty on imported materials.
Visit daltile.com/countertops-product-category/one-quartz for details.

White thin-set or mortar is recommended for the lighter colors of ONE Quartz Surfaces tiles.

WARNING: This product can expose you to chemicals known to the State of California to cause cancer, including crystalline Silica (airborne particles of respirable size) in dust created if the product is dry cut/ground/polished or pulverized during fabrication/installation/removal. For more information, go to www.P65Warnings.ca.gov.

For information refer to "Factors to Consider" at daltile.com/Factors.

DIMENSIONAL **STONE**

QUARTZ TAKES ON A WHOLE NEW DIMENSION

Our Dimensional team offers complete cut to size projects imported directly to the jobsite. Brought to you by the experts at Daltile®.

FORGET ONE-SIZE-FITS-ALL.

Or shape, for that matter. Our Dimensional program offers procurement, fabrication, and delivery for any project-all executed to your specifications.

Our team will help you identify exactly what you need to bring your vision to reality. Acting as a dedicated project manager, they'll walk you through every step, from inception to completion. Ask about our quantity survey, shop drawing and cutting ticket services!

LEAVE YOUR LIMITS BEHIND.

In addition to our standard product offering, we can also match most any color pallet. The experts at Daltile won't hesitate to make sure your project takes shape with complete coordination and precision.

STEP-BY-STEP

CUSTOM CUT TO YOUR SPECS. ON YOUR TERMS.

- We provide a digital take-off to identify the project scope, which includes materials, size, quantity, and edge treatment.
- You'll receive samples and pricing - we'll also provide support during the bid process to help determine the right material for the right location.
- Then you'll review CAD-generated shop tickets for confirmation that your goals are achieved.
- Now, your stone can be fabricated, delivered on time, within sequence, and ready to install.
- Each project is reviewed by an independent Daltile inspector. They ensure that color, size, calibration, and packaging meets your requirements prior to shipment.

LET US HANDLE ALL THE DETAILS

Contact your local Daltile Architectural Representative, Sales Representative or visit daltile.com to get started.

TECHNICAL **DATA**

QUALITY QUARTZ SURFACE

Test Items	Test Methods	Result
Absorption by Weight	ASTM C97/C97M-09	0.06%
Density	ASTM C97/C97M-09	148 lbs/ft^3
Abrasion Resistance	ASTM C241/C241M-13	47
Flexural Strength	ASTM C880/C880M-09	"dry" 34.9 Mpa "wet" 37.5 Mpa
Compressive Strength	ASTM C170/C170M-14	"dry" 192 Mpa "wet" 185 Mpa
Breaking Strength	ASTM C 648-09	5100 N
Thermal Expansion	ASTM C531-00(2012)	30.9 × 10^{-6}/°C
Chemical Resistance	ASTM C650-04(2009)	Not Affected
Abrasion Wear Index	ASTM C501-84(2009)	Wear Index: 136

TECHNICAL SPECIFICATION

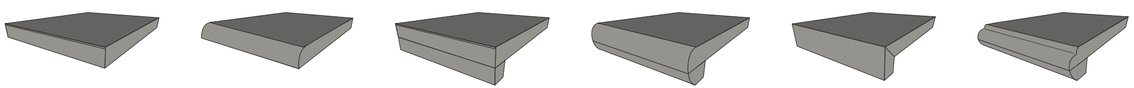
Quartz is one of nature's hardest minerals. Our surfaces are composed of 93% quartz, and are therefore designed to last.

In a unique Daltile process, we take the innate strength of quartz and combine it with numerous polymers and dashes of pigments. The result: A range of durable and beautiful quartz surfaces in a wide variety of colors and finishes.

100% Engineered Stone | **Non Porous** | **Easy to Clean** | **Low Maintenance** | **Shock Resistant** | **Stain Resistant** * | **Scratch Resistant** | **Everlasting Sheen** | **Modern Collection of Colors**

* Only West Village Series

EDGES FOR QUARTZ



EASED
Traditional Edge

DEMI BULLNOSE
Added Movement

LAMINATED
Economically Bold

BULLNOSE LAMINATED
Safe and Modern

MITERED
Seamless Depth

OGEE LAMINATED
Elegance in Curves

ONE **QUARTZ®** FAQ

QUARTZ IS A VERSATILE, DURABLE MATERIAL THAT'S AVAILABLE IN A WIDE RANGE OF COLORS AND STYLES. Also known as engineered stone, quartz is made from a combination of resin and natural quartz crystals. The natural crystals in quartz countertops make each surface unique, while resin gives the material its durability and resistance to everyday wear and tear. Because quartz is a man-made product, this material can be tinted and shaped in a wide variety of ways. Unique colors, edge treatments, inlays and other style accents add to the aesthetic appeal of this product.

In general, engineered stone is less expensive than naturally sourced materials after installation, sealing and maintenance are considered. The exceptional strength, durability and aesthetic appeal of quartz make this product a popular alternative to granite, a stone known for its lasting beauty. In addition, quartz is remarkably easy to maintain.

IS QUARTZ A SAFE COUNTERTOP MATERIAL?

Quartz, or engineered stone, is highly resistant to the routine wear and tear of daily life. Because quartz is made from a tough combination of natural crystals and resin, this product is very durable and long lasting. Quartz is a safe material for bathroom, kitchen or office countertops, but standard precautions must be taken to protect this man-made material from damage and prevent fading of your quartz countertop colors.

Although quartz countertops are resistant to scratches, dents, scuffs, burns and stains, these surfaces can be damaged when exposed to heat or to certain chemicals or tools. Gentle cleaning with a mild detergent and water is all that's required to maintain these surfaces. To keep your quartz countertops safe from damage, take care not to expose them to harsh chemicals, permanent dyes or inks, abrasive cleansers, direct heat or knives and other metal tools.

WHAT COLORS DO QUARTZ COUNTERTOPS COME IN?

Quartz countertops come in a broad spectrum of colors and patterns, from cool pastels to rich, dark tones. Quartz is a man-made material that combines the strength and durability of resin with distinctive of natural quartz crystals. This material can be tinted in a nearly unlimited range of shades to match any interior color scheme. Whether you're decorating a kitchen in warm earth tones or remodeling a bathroom with pink and white surfaces, you can find a shade that complements your decor and any living space.

QUARTZ COLORS AND TREATMENTS

Quartz is an extremely versatile material, which can be tinted, treated or shaped to accommodate almost any homeowner's tastes. When you're shopping for quartz countertops, choosing the perfect color may be challenging. With so many different shades to choose from, it can be difficult to make a decision with confidence. A knowledgeable provider should be able to help you with this stage of the process by giving you a comprehensive overview of your choices and making suggestions for shades that will complement your design.

When it comes to designing a quartz countertop, you aren't limited to traditional, squared edge treatments. There are a number of different edge treatments to choose from, with beveled or rounded styles. Inlays add a touch of elegance to a countertop surface by accenting the contours of the counter. These unique treatments take a countertop a step beyond the ordinary and give your kitchen or bathroom an extra touch of style.

CHOOSING COLORS FOR YOUR COUNTERTOPS

The color of your quartz countertops can make a big difference in the visual dimensions of your kitchen or bathroom. Light colors will create a sense of space, enlarging the room visually. If you have a small kitchen or bath, quartz countertops in white, cream, beige or gray may be preferable to darker, richer tones. In a larger kitchen or a game room, a dark gray, brown or dramatic black surface can add style and elegance to your interior.

The colors you select will affect a room's atmosphere and character. If you're decorating a professional office, a black or charcoal quartz countertop can give your decor a sense of dignity and stability. In a master bathroom, a rich gold or beige creates a look of luxury. The colors of quartz countertops may be variegated with flecks or swirls of various colors that give your countertops the natural appearance of stone.

Most manufacturers come out with new color series on a regular basis. Although the latest trends may be appealing, choose a color that will stand the test of time to get the most value.

QUARTZ IN KITCHENS AND BATHROOMS

Quartz is a non-porous material that does not require a sealant to protect the surface against dirt, moisture or germs. The polymers used to manufacture quartz make the surfaces extremely sturdy and durable. In the kitchen, quartz countertops are resistant to ordinary contact with metal, ceramic, glass or other materials commonly used in cookware. However, quartz countertops should not be scraped with metal tools. When you're cutting food, use a cutting board rather than cutting or slicing directly onto a quartz surface.

In the kitchen, protecting food from exposure to bacteria is a big concern. Quartz countertops are non-porous, meaning that these surfaces are continuous and smooth and do not have any tiny openings in the surface. Unlike wood and some forms of stone, quartz will not absorb water or other liquids. Bacteria have no place to grow on a quartz surface, as long as it's wiped clean after preparing food. Use a cutting board made of marble or another non porous material to avoid scratching your countertops.

Germs tend to collect in bathrooms as well as kitchens. The moisture and warmth that gather in the bathroom make it a breeding ground for bacteria, mold and mildew. A sink or vanity topped with quartz offers protection against bacterial growth as well as longevity and beauty. With regular cleaning, quartz countertops keep bathrooms sanitary by discouraging the growth of bacteria, mold and mildew. When cleaning quartz countertops, do not use bleach or other harsh or abrasive cleansers. Bleach may discolor or damage a quartz counter.

ONE **QUARTZ®** FAQ

FINAL CONSIDERATIONS

When you're shopping for quartz countertops, you'll soon find that you have many choices in style and color. Because quartz countertops are man-made, this material can be manufactured in nearly any color. You can choose from a wide range of countertop edge treatments, from traditional rounded or cornered styles to more dramatic looks.

The cost and performance of quartz countertops increases their appeal to homeowners who are looking for resilience and aesthetic value at a competitive price to other alternatives. As you search for quartz countertops, look for a reliable provider with a reputation for quality craftsmanship. Because the supplier you choose may also install the product, it's important to review the quality of the company's labor as well as the quality of its products before you make this important investment.

WHAT MAINTENANCE IS REQUIRED FOR QUARTZ COUNTERTOPS?

Low maintenance requirements make quartz countertops appealing to many homeowners. Quartz countertops are manufactured with a combination of hard quartz crystals and durable resin polymers that make them extremely resilient. In addition, the leading manufacturers provide a 10 to 15 year limited warranty that covers manufacturer's defects. Routine care and cleaning is very simple, and with basic precautions to prevent stains, dents or scratches, safe quartz countertops can lend beauty and a sense of permanence to a home for decades.

Manufacturer's warranties will not cover damages caused by the owner's use of the product unless damage is linked to an error made by the company. Your quartz countertops must be installed by a professional contractor in order to be covered by the warranty, in most cases. Follow the manufacturer's specific recommendations for maintaining your new countertops to get the maximum value from this investment.

ROUTINE CARE AND CLEANING

With the right care, quartz countertops can lend aesthetic appeal to your kitchen, bathroom or office for years. Quartz can be cleaned easily with a mild detergent, water and a soft cloth or paper towel. Abrasive cleansers or harsh scouring pads and cleansers that contain bleach should not be used with quartz. Engineered stone surfaces do not require polishing to keep them shiny and smooth, but they should be cleaned gently to maintain their distinctive shine.

A rounded plastic knife should be used to remove dried foods or liquids on a quartz surface. Dried paint or grease can be gently scraped away with a plastic knife. Avoid using metal knives and utensils directly on the countertop, as metal may scratch the quartz.

Grease from cooking is a concern in many kitchens. To remove grease from your quartz countertops, use a product recommended by your manufacturer. Harsh cleansers should not be used to remove grease or other cooking stains. Gently scrape away hardened grease with a plastic knife before applying cleanser.

PREVENTING STAINS AND SCRATCHES

While quartz countertops are resistant to scratches, scuffs, dents, stains and burns, these surfaces are not damage-proof. Homeowners must take care to avoid exposing quartz countertops to permanent inks, markers or dyes, as these substances may not be removable. If a countertop is marked by a permanent marker or dye, rinse the area with water as soon as possible, then apply a cleansing product approved by the manufacturer if the stain is still visible. Clean the area again with water after applying the cleanser.

Turpentine and other paint stripping products may damage or discolor a quartz surface. To be on the safe side, avoid exposing quartz to any strong chemicals or solvents unless your manufacturer recommends them for use in removing stubborn stains or hardened grease. If exposure to a potentially harmful chemical solvent occurs, clean the area with water immediately.

Quartz countertops can be damaged by direct exposure to heat. When cooking, use trivets or heating pads to guard the countertop surface against direct exposure to hot cookware or coffee pots. Although quartz is resistant to stains from juice, wine, coffee and other food substances, it is best to wipe up spills immediately to prevent possible stains. When chopping vegetables, slicing bread or preparing other foods with sharp utensils, use a cutting board to prevent scratches.

Very little maintenance is required for quartz countertops. This engineered product does not require sealants, and its non-porous surface makes it a durable, sanitary option for kitchens or bathrooms. To ensure that you get the most life from your countertops and that your warranty covers any unexpected damages, follow the manufacturer's instructions for care and quartz countertop maintenance.

PROTECTING QUARTZ SURFACES

Quartz countertops can stand up to a lot of wear and tear, but they shouldn't be exposed to excessive impact or harsh chemicals. In the kitchen, use hot pads or trivets on your countertops to prevent hot skillets or pots from making contact with quartz surfaces. In the bathroom, curling irons and other heated appliances shouldn't be left sitting on sinks or vanities.

Although quartz is non porous and resists stains, liquid spills should be wiped up promptly. Coffee, wine, vinegar, lemon juice and other liquids should not be allowed to sit on a quartz countertop for long periods of time. If permanent dye or ink is spilled on the counter, rinse the area promptly with water, then use a cleanser approved by the manufacturer for removing permanent stains. If you need to scrape dried food or paint or hardened grease off a quartz countertop, use a rounded plastic utensil, like a putty knife.

To get the maximum use from this investment, choose quartz countertops that are covered by a warranty. A manufacturer's warranty will replace or repair a countertop if it shows evidence of a manufacturer's defect. With a reliable warranty and proper care, quartz is a safe countertop material.

PHOTOGRAPHY INDEX

COVER PHOTO

Independence Calacatta on the countertop.

PAGES 3-4 (LEFT TO RIGHT)

West Village Series Broadway Black on the countertop.

West Village Series Astor Grey on the countertop & backsplash.

West Village Series Barclay Tan on the countertop.

PAGE 5-6 (LEFT TO RIGHT)

Noble Grey on the countertop.

Patriotic Calacatta on the countertop.

PAGE 11-12 (LEFT TO RIGHT)

Avenue White on the countertop.

Valor White on the counter and backsplash.

PAGE 17-18 (LEFT TO RIGHT)

Carrara Aura on the bottom counter block.

Broadway Black on the top counter block.

PAGES 21-22 (LEFT TO RIGHT)

White Ice on the countertop.

Chipped Ice on the countertop.

Daltile | 7834 C.F. Hawn Freeway | Dallas, Texas 75217 | 214.398.1411 | 800.933.TILE
To view the complete collection of Daltile® products and information, visit our website at **daltile.com.**
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Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-014_CT-001-JG

Real Living Decor Package

Issue Date: Nov 23, 2022
Revision Date:

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	JG Edelen
Model	EHS-836
Dimensions	Refer to Design Guideline Drawings
Color	Goldfield
Finish	Polished Straight Edge
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Finish	Polished Straight Edge
Notes	Refer to drawings for edge profile Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

Label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

AREAS

Hub
On Us
Buffet

Real Living Decor Package

Issue Date: Nov 23, 2022
Revision Date:

ALTERNATE MANUFACTURER 2

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 3

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 4

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

Flex
Fitness Center
Employee Areas
Public Restrooms
Hydration Station

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-014_CT-001-MG

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Mgroup
Model	UltraCera
Dimensions	2cm
Color	Kachine Peak - 3007
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Notes	Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

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MANUFACTURER

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 2

Vendor Name: Belstone

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 3

Vendor Name: Designer Tile & Stone
Contact Name: Timi Mustapha
Phone: 301.325.1981
Email: timi@designertilestone.com

ALTERNATE MANUFACTURER 4

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

Public Restrooms
Elevator Lobby
Hydration Station

KACHINA PEAK- 30(

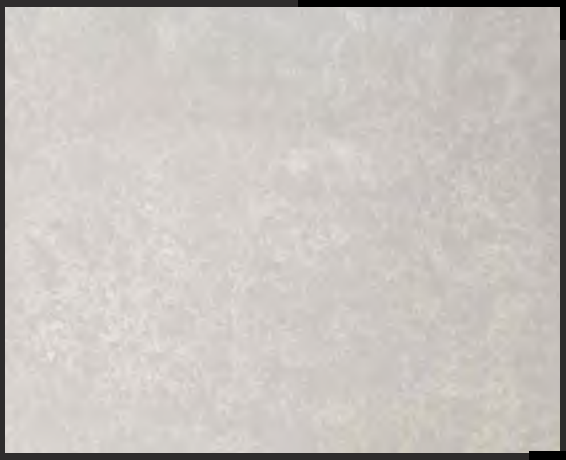
GROUP

ULTRACERA®
NextGeneration Composite Ecosurface

TECHNICAL SPECIFICATIOI

COMPRESSIVE STRENGTH (DRY): (ASTM C17(17) 256 Mp
DENSITY: (ASTM C9 18 2400) kg/m
WATER ABSORPTION: (ASTM C9 18) 0.03
THICKNESS: Standard 2cm or 3cm. Custom Availab
ABRASION RESISTANCE: (ASTM C241-15) 4
MOHS HARDNESS: (EN 15771) Averages
STAIN RESISTANCE: (ANSI Z124.6-07) Pa
CHEMICAL RESISTANCE: (ASTM C650) Not Affecte
FLEXURAL STRENGTH (DRY): (ASTM C88(14) 48.5Mp
THERMAL SHOCK RESISTANCE: (ASTM C484) No Defe
MODULUS OF RUPTURE: (ASTM C99) 3
FINISH: Polished Standard (level 6000 availabl
EDGE: Eased Standard—Fully Customizable Fabricatic
FIRE RATING: (ASTM E84) Class

KACHINA PEA



*SAMPLE IMAGE FOR REFERENCE ONL

APPLICATIO

Vanity Top
Kitchen Top
Window S
Desk Top
Dresser Top
Threshol
Wall Claddir

NOTI

Patent Pendir
0% Acrylic Solid Surfac
Non-Silica Based Produ
For More Information On What UltraCera® Is, And What It Is Not: Please Visit UltraCeraTops.co
Herein Are Subject To Change Without Notice Due To Constant Product And Engineering Improvement

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-014_CT-001-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Wilsonart International, Inc.
Model	Q4007
Dimensions	3/4" Thick
Color	Duomo
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Fire/Smoke Rating	ASTM E84 Class 1 (NFPA Class A) FS-25 or less.
Structural Performance	Mohs Hardness Scale: 6 to 6.5. Density: Not less than 2 g/cm3 when tested per ASTM C97.
Thermal Performance	Thermal shock: Pass 5 cycles, tested per ASTM C484.
Best Practices	UL Greenguard certified
Quality Standards	NSF/ANSI 51 Certified. Stain resistance: Passes ANSI Z124.6. Water absorption: Maximum 0.04 percent, tested per ASTM C97. Chemical resistance: Not Affected when tested per ASTM C650.
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	N
Thickness	3/4"
Finish	Polished
Warranty	One (1) year minimum warranty against defects in materials and workmanship. Commercial Lifetime warranty
Notes	Refer to drawings for edge profile. Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-

1981; timi@designertilestone.com;
www.designertilestone.com

SPECIAL INSTRUCTIONS

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MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

ALTERNATE MANUFACTURER 3

Vendor Name: Designer Tile & Stone
Contact Name: Timi Mustapha
Phone: 301.325.1981
Email: timi@designertilestone.com

ALTERNATE MANUFACTURER 4

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Public Restrooms
Elevator Lobby
Hydration Station

TECHNICAL DATA
Wilsonart® Quartz

Wilsonart
2501 Wilsonart Drive
P.O. Box 6110
Temple, TX 76503-6110

1. Distributor

Wilsonart LLC
2501 Wilsonart Drive
P.O. Box 6110
Temple, Texas 76503-6110
Toll-Free: 800-433-3222
Website: www.wilsonart.com

2. Product Descriptions

Product Composition

Wilsonart® Quartz is manufactured with up to 93 percent high quality natural quartz crystals, high quality polyester binders, and proprietary coloring agents that are homogeneous, with uniform color throughout their thickness.

Basic Limitations

Wilsonart® Quartz is designed for interior use only, ideal for residential and commercial applications. Wilsonart Quartz is a solid, non-porous, highly durable surface and resistant to scratching, staining, and water absorption and is virtually maintenance free.

Fabrication

Refer to the Wilsonart Quartz Fabrication Manual or contact a Wilsonart® Quartz Fabricator or Distributor for details.

Colors and Finishes

Wilsonart® Quartz has created a wide array of colors. Wilsonart Quartz is available in a polished finish.
Glossometer reading: >45

Sheet Dimensions:

	Wilsonart® Quartz Standard Size
Available Sizes	120” (306 cm) x 55” (140 cm), 120” (306 cm) x 63” (160 cm), 126” (320 cm) x 63” (160 cm), 130” (330 cm) x 65” (166 cm)
Thickness	Product Type 062 = 0.79" (2 cm) ± 0.060"(0.15 cm)
Thickness	Product Type 063 = 1.18" (3 cm) ± 0.060"(0.15 cm)
Approximate Weight	Product Type 062 = 10 lbs./ft^2 (2 cm)
Approximate Weight	Product Type 063 = 15 lbs./ft^2 (3 cm)

* Please consult Wilsonart® Quartz Design Library on www.wilsonart.com for available slab sizes by pattern

Physical Properties

Test Description	**Typical Results**	**Test**
Flexural Strength (psi)	>6,000	ASTM D 790
	31 - 75	EN14617-2
Thermal Expansion Coefficient	16 x 10^{-6} - 20.8 x 10^{-6*}	EN14617-11
Impact Resistance	3.4 – 7.35	EN14617-9
Stain Resistance	No Effect	EN14617-10
High Temperature Heat Resistance	No Effect to Slight Effect	ISO 4586
Chemical Resistance (acids and bases)	C4	EN14617-10
Abrasion Resistance	>100	ASTM C501
	23.6 – 27.5	EN14617-4

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Density (g/cm^3)	>2.1	ASTM C97
Compressive Strength (One Axis – Dry) (psi)	>20,000	ASTM C170
Moisture Absorption	<0.03	ASTM C97
	<0.03	EN14617-1
Freeze and Thaw Resistance	0.999	EN14617-5
Fire Behavior	Class 1/A Rating	ASTM E 84

**Test results vary slightly depending on pattern.*
The information contained in this section is based on technical data which Wilsonart LLC believes to be reliable, and is intended for use by persons having knowledge of this technical area at their own discretion.

Certifications
Wilsonart® Quartz is UL GREENGUARD Standard and Gold Standard Certified for low chemical emissions.
NSF 51 Food Zone and FDA food contact compliant.
Wilsonart Quartz is Kosher certified under the Kashruth Division of the Orthodox Union.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Quartz per ISO 4586-2 Method 31 (B)
No effect was exhibited except as noted (* or **) on the following:

1. Beckart Environmental (Stabilized Chlorine Dioxide Mixed with Water at 3000ppm)
2. Benefect® *
3. Claire® Germicidal Cleaner (Country Fresh Scent) **
4. Claire® Disinfectant Spray Q (Country Fresh Scent) **
5. Clean Republic – All Purpose Everyday Cleaner (Hypochlorous Acid – 0.003% Solution)
6. Clorox® Anywhere® Hard Surface Sanitizing Spray *
7. Clorox® Clean-Up (Cleaner & Bleach)
8. Clorox® Disinfecting Bleach w/6% Sodium Hypochlorite (24:1/Water:Bleach)
9. Clorox® Disinfecting Spray
10. Clorox® Disinfecting Wipes
11. Clorox Healthcare® Bleach Germicidal Cleaner *
12. Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant *
13. Clorox Healthcare® Fuzion® Cleaner Disinfectant *
14. Clorox Healthcare® VersaSure® Cleaner Disinfectant Wipes
15. Clorox® Total 360 Disinfectant Cleaner
16. Diversey™ Expose® II 256 *
17. Diversey™ Oxivir 1 *
18. Diversey™ Oxivir Tb Wipes *
19. Diversey™ Stride® Floral Neutral Cleaner
20. Diversey™ Virex® II 256 *
21. Fabuloso® Complete (Multi-Purpose Cleaner)
22. Lysol® Professional Disinfectant Spray
23. Microban® 24 Hour (Multi-Purpose Cleaner)
24. PDI Sani-Prime® Germicidal Spray
25. PDI Super Sani-Cloth® Germicidal Disposable Wipes
26. PURELL® Advanced Hand Sanitizer Gel *
27. Purell® Food Service Surface Sanitizer *
28. Purell® Professional Surface Disinfectant *
29. Purell® Healthcare Surface Disinfectant *
30. Simple Green® Concentrated (All-Purpose Cleaner)
31. Spic and Span® Everyday (Antibacterial Cleaner)

Test procedure: Listed materials were placed in contact with Wilsonart® Quartz surface under 1" (25.4mm) diameter watch cover glass for 16 hours duration prior to evaluation for effect. The branded cleaners and sanitizers listed above were cleaned with water only.

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* Causes slight change of gloss or color.
** Causes slight damage, with degree of damage proportionate to length of exposure and concentration.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Quartz per BIFMA HCF 8.1-2014 (Section 6 / Modified)
No effect was exhibited except as noted (* or **) on the following:

1. Beckart Environmental, Inc. (Stabilized Chlorine Dioxide Mixed with Water at 3000ppm)
2. Benefect®
3. Claire® Germicidal Cleaner (Country Fresh Scent)
4. Claire® Disinfectant Spray Q (Country Fresh Scent)
5. Clean Republic – All Purpose Everyday Cleaner (Hypochlorous Acid – 0.003% Solution)
6. Clorox® Anywhere® Hard Surface Sanitizing Spray
7. Clorox® Clean-Up (Cleaner & Bleach)
8. Clorox® Disinfecting Bleach w/6% Sodium Hypochlorite (24:1/Water:Bleach)
9. Clorox® Disinfecting Spray
10. Clorox® Disinfecting Wipes
11. Clorox Healthcare® Bleach Germicidal Cleaner
12. Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant *
13. Clorox Healthcare® Fuzion® Cleaner Disinfectant
14. Clorox Healthcare® VersaSure® Cleaner Disinfectant Wipes
15. Clorox® Total 360 Disinfectant Cleaner
16. Diversey™ Expose II 256
17. Diversey™ Oxivir 1 *
18. Diversey™ Stride® Floral Neutral Cleaner
19. Diversey™ Tb Wipes *
20. Diversey™ Virex II 256
21. Fabuloso® Complete (Multi-Purpose Cleaner)
22. Lysol® Professional Disinfectant Spray
23. Microban® 24 Hour (Multi-Purpose Cleaner)
24. PDI Sani-Prime® Germicidal Spray
25. PDI Super Sani-Cloth® Germicidal Disposable Wipes
26. PURELL® Advanced Hand Sanitizer Gel
27. Purell® Food Service Surface Sanitizer
28. Purell® Professional Surface Disinfectant
29. Purell® Healthcare Surface Disinfectant
30. Simple Green® Concentrated (All-Purpose Cleaner)
31. Spic and Span® Everyday (Antibacterial Cleaner)

Test procedure: Listed reagent materials were placed in contact with Wilsonart® Quartz surface with a one-inch square 100% cotton cloth completely saturated and covered with a 2” (50.8mm) diameter watch cover glass for 15 minute duration. The reagents listed above were removed with clean cloth and the area was then cleaned with clean cloth and distilled water only. The surface area was allowed to dry for 1-hour prior to evaluation for effect.
* Causes slight change of gloss or color.
** Causes slight damage, with degree of damage proportionate to length of exposure and concentration.

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3. Care and Maintenance

4. Warranty

5. **Customer Service**
   For samples, literature, questions, technical assistance, or warranty information, please contact our toll-free Hotline at (800) 433-3222, Monday through Friday, 8 am – 5 pm CST, or visit our website at www.wilsonart.com.

Quartz Tech Data
Revised: July 9, 2020
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Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-014_LA-001-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Plastic Laminate
Item Type	Type 107 General Purpose (HGS) Laminate
Description	General purpose laminate product
Manufacturer	Wilsonart
Model	#15504-31
Dimensions	0.045" Plus Minus 0.005" Thickness, Standard Sheet Widths 36", 48", 60" x Standard Sheet Lengths 96", 120", 144"
Color	Charcoal
Finish	31 Traceless
Material Composition	Melamine impregnated deccorative surface papers combined with fire retardant phenolic treated kraft paper
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI 3. A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Charcoal 15504-31
Warranty	1 Year
Notes	Recommended substrates for laminates are Particleboard, Medium Density Fiberboard (MDF) or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates. Refer to Design Guide Project Master, Section 12 32 16 for Casework and 12 36 23 for Countertops.

SPECIAL INSTRUCTIONS

All substrates should be sanded smooth, and should be clean and free of oil or grease, and uniform in thickness.

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

AREAS

Welcome Desk
On Us
Buffet

ALTERNATE MANUFACTURER 2	Flex Fitness Center Employee Areas Elevator Lobby Entrance Vestibule
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

TECHNICAL DATA
Wilsonart® Laminate
Basic Types 107, 335, 350

Wilsonart®
ENGINEERED SURFACES

2501 Wilsonart Dr
PO Box 6110
Temple, TX 76503-6110

1. Manufacturer

Wilsonart LLC
2501 Wilsonart Drive
P.O. Box 6110
Temple, Texas 76503-6110
Phone: (254) 207-7000; (800) 433-3222
Fax: (254) 207-2384
Web Site: www.wilsonart.com

2. Product Description

Recommended Uses

Wilsonart® Laminate, types 107, 335, and 350, is suitable for use on fine quality residential and contract furniture, fixtures and casework, and also for architectural application on columns, wainscoting, valances, cornices, interior doors and divider systems.

- **General Purpose (HGS) Type 107** is most frequently used for work surfaces on counters, islands, vanities, desks and tables. Typical vertical uses include surfacing for wall panels, teller cages and the front panels of workstations, such as those in hospitals, airports and restaurants. Type 107 is produced for both horizontal and vertical interior applications where the surface must be functional, durable and decorative.
- **Vertical Surface (VGP) Type 335** is the usual choice to surface cabinet walls, doors and drawer panels. It often appears on the vertical surfaces of desks, restaurants booths and maître d' stations, and as architectural cladding. Type 335 is intended for vertical applications where a functional, durable, decorative surface must absorb somewhat less impact than a comparable horizontal surface. VGP surfaces may be postformed to achieve radius edges.
- **Postforming (HGP) Type 350** adds the decorative capability of a soft edge to any typical laminate use. Common applications of post forming laminates are formed edges for counters, desktops, cabinet doors and drawer panels. Type 350 is intended for use on vertical and horizontal interior surfaces where it is necessary or desirable to roll the laminate on a simple radius over the edge of the substrate. This eliminates seams and leaves an attractive surface.

Product Composition

Decorative surface papers impregnated with melamine resins are pressed over Kraft paper core sheets impregnated with phenolic resin. These sheets are then bonded at pressures greater than 1000 pounds per square inch at temperatures approaching 300°F (149°C). Finished sheets are trimmed, and the backs are sanded to facilitate bonding.

Basic Limitations

Wilsonart Laminate is for interior use only and is not recommended for direct application to plaster, concrete walls, or gypsum wallboard. It is not structural material and must be bonded to a suitable substrate.

Do not subject Wilsonart Laminate to extremes in humidity, temperatures higher than 275°F (135°C) for substantial periods of time, or intense, continuous, direct sunlight.

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Patterns & Colors
Available in the full range of Wilsonart solid colors, stones, marbles, woodgrains, leathers and patterns. See all patterns and colors at www.wilsonart.com. Please see actual sample before specifying.

Finishes – Confirm finish availability on individual designs by going to www.wilsonart.com

- #01 High Gloss - Premium
  A mirror sheen finish, which gives a smooth, brilliant appearance. #01-High Gloss finish also features AEON™™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and can be used for horizontal applications such as countertops and light-to-medium commercial applications. Excellent for vertical applications and carries a premium upcharge.
  Nominal Glossometer Reading = 110
- #07 Textured Gloss - Premium
  A fine textured finish with a sheen level indicative of a waxed wood, polished stone, or other moderately reflective materials. #07 finish features AEON™™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 42
- #12 SoftGrain - Premium
  A dense wood grain structure that is low gloss and soft to the touch. Subtle highlights of reflectivity randomly occur within the embossed grains, creating a sophisticated raw wood look. #12 finish features AEON™™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 8
- #16 Casual Rustic - Premium
  A woodgrain texture with a blend of grain variations ranging from linear to subtle movement with random, irregular features. The overall low gloss surface is accented with higher sheen woodgrain ticking and random highlights. #16 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 6
- #18 Linearity - Premium
  A directional texture running the length of the sheet, having a narrow, random and matte-gloss linear quality. It is complementary to linear wood-grains, and linear patterns (such as the “Satin” series), and provides dimension and visual movement to solid colors. #18 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 18
- #19 Leno Weave – Premium
  Random intersecting horizontal and vertical lines create a geometric weave with a matte-gloss finish. Recommended for horizontal and vertical applications. #19 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 15
- #21 Soft Silk – Premium
  A smooth, ultra-matte finish with a silky, soft touch. This minimalist finish gives the surface a genuine stone feel. Recommended for horizontal and vertical applications. #21 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge,
  Nominal Glossometer Reading = 8
- #22 Antique - Premium
  A mixture of varying low gloss features combined with organic movement, indicative of the surface of an aged stone or an antique metal. Recommended for horizontal and vertical

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applications. Antique features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
Nominal Glossometer Reading = 9

- #28 Gloss Line - Premium
  A linear woodgrain texture with varied widths of narrow grain structures in an alternating mix of matte and gloss surfaces areas. Recommended for horizontal and vertical applications. Gloss Line features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 5
- #35 Mirage-Ultra Premium
  Subtle variations in matte and gloss finish connect to nature's own finishes: rough and weathered, smooth and polished. Wilsonart HD premium pricing. Recommended for horizontal and vertical applications.
  Nominal Gloss Reading = 50
- #38 Fine Velvet Texture
  A smooth textured finish with moderate reflective value.
  Nominal Glossometer Reading = 14
- #52 Quarry - Premium
  Premium finish emulating the "pitted" look of polished natural stone. Recommended for horizontal and vertical applications. #52 features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 55
- #55 Glaze-Ultra Premium
  A layering of matte features over a semi-gloss glaze, creates this timeworn effect. Wilsonart HD premium pricing. Recommended for horizontal and vertical application.
  Nominal Gloss Reading = 25
- #57 Aligned Oak – HD Premium
  Authentic realism is brought to the surfaces using synchronized texture as each elegantly aged oak design exhibits the natural dimension and feel or real world. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 7
- #60 Matte
  Textured finish with a moderate reflective quality. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 10
- #78 FineGrain - Premium
  The FineGrain premium finish features the polish and luxe of a real wood veneer, with a subtle, narrow grain structure that runs the length of the sheet. #78 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium.
  Nominal Glossometer Reading = 38

NOTE: Nominal Glossometer readings are made at a 60° angle of incidence.

Finish Availability: Not all finishes are available in all patterns and colors. Some finish options have limited size availability. Please check with your Wilsonart representative or consult the pattern availability lookup on our website at www.wilsonart.com, to verify size availability by finish type.

Standard Sheet Widths

36"	48"	60"
914mm	1219mm	1524mm

Standard Sheet Lengths

96"	120"	144"
2438mm	3048mm	3658mm

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NOTE: Not all sizes are available from stock; contact your Wilsonart representative for details on local availability. Minimums apply to non-standard designs and finishes in sizes other than 48"x96" and 60"x144". Please check with your Wilsonart representative.

Thickness and Weight

Description	107	335	350
Thickness	0.045" ± 0.005" (1.14mm ± 0.13mm)	0.028" + 0.001 - 0.004" (0.71mm + 0.03 - 0.10mm)	0.036" ± 0.005" (0.91mm ± 0.13mm)
Weight per square foot	0.322#	0.186#	0.260#

3. Technical Data

Physical Properties of General Purpose Laminates

ISO 4586 Test	Typical Wilsonart Type 107	ISO 4586-3 HGS
Thickness	**0.045" ± 0.005" (1.14mm ± 0.13mm)**	N/A
Appearance	**N/A**	N/A
Light Resistance	**Slight effect**	Slight Effect
Cleanability (cycles)	**10**	10
Stain Resistance Reagents 1-10 Reagents 11-15	 **No effect** **Slight effect**	 No effect Moderate effect
Boiling Water Resistance	**Slight Effect (Gloss)** **No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
High Temperature Resistance	**Slight effect**	Slight Effect (Gloss) No Effect (Other Finishes)
Impact Resistance	**65" (1651mm)**	31.5" (800mm)
Radiant Heat Resistance	**210 seconds**	≥ 200 sec.
Dimensional Stability Machine Direction Cross Direction	 **0.3%** **0.7%**	 1.1% (max.) 1.4% (max.)
Surface Wear Resistance (cycles)	**Meets or Exceeds 400**	350 (min.)
Formability	**Not applicable**	Not applicable
Blistering	**Not applicable**	Not applicable

Physical Properties of Vertical Surface Laminates

ISO 4586 Test	Typical Wilsonart Type 335	ISO 4586-3 VGP
Thickness	**0.028" + 0.001 - 0.004" (0.7mm + 0.03 - 0.10mm)**	N/A
Appearance	**N/A**	N/A
Light Resistance	**Slight effect**	Slight effect
Cleanability (cycles)	**10**	20 (max.)
Stain Resistance Reagents 1-10 Reagents 11-15	 **No effect** **Slight effect**	 No effect Moderate effect

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Boiling Water Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
High Temperature Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
Impact Resistance	**40" (1016mm)**	23.5" (600mm)
Radiant Heat Resistance	**200 seconds**	≥ 200 sec.
Dimensional Stability Machine Direction Cross Direction	**0.5% 0.8%**	1.1% (max.) 1.4% (max.)
Surface Wear Resistance (cycles)	**Meets or Exceeds 400**	350 (min.)
Formability	**5/16" radius (7.93mm)**	7/16" radius (11mm) 9/16" radius(14.7mm)
Blistering	**45 seconds**	≥ 40 seconds

*Radius for face is actually the radius of the form around which the laminate is postformed. The radius for back is actually the radius to which the decorative face is postformed.

Physical Properties of Postforming Laminate

ISO 4586 Test	**Typical Wilsonart Type 350**	**ISO 4586-3 HGP**
Thickness	**0.036" ± 0.005" (0.91mm ± 0.13mm)**	0.039" ± 0.005" (1mm ± 0.12mm)
Appearance	**N/A**	N/A
Light Resistance	**Slight effect**	Slight effect
Cleanability **(cycles)**	**10**	20
Stain Resistance Reagents 1-10 Reagents 11-15	**No effect Slight effect**	No effect Moderate effect
Boiling Water Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
High Temperature Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
Impact Resistance	**55" (1397mm)**	31.5" (800mm)
Radiant Heat Resistance	**205 seconds**	≥ 200 sec.
Dimensional Stability Machine Direction Cross Direction	**0.5% 0.8%**	1.1% (max.) 1.4% (max.)
Surface Wear Resistance (cycles)	**Meets or Exceeds 400**	350 (min.)
Formability*	***5/16" face (7.93mm) *3/8" back (9.52mm)**	*9/16" face (14.27mm) *3/4" back (19.05mm)
Blistering	**65 seconds**	≥ 40 seconds

*Radius for face is actually the radius of the form around which the laminate is postformed. The radius for back is actually the radius to which the decorative face is postformed.

Typical Fire Test Data

High-pressure laminates are subject to Flame Spread and Smoke Developed standards in structures where codes establish such conditions.

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Test data to determine compliance with these codes are obtained by the Steiner Tunnel Test method of the American Society for Testing Materials (ASTM-E-84, Standard Test Method for Surface Burning Characteristics of Building Materials). Tests were conducted in accordance with test method and mounting procedure as described in paragraph X1.7.2 of the test method. This procedure is cataloged by Underwriters Laboratories, Inc. as UL 723.
Here is typical data for Wilsonart laminates, averaged from two specific tests:

Typical Flame Spread and Smoke Developed Properties

Product Type	Test Condition	Flame Spread	Smoke Developed
General Purpose Type 107	Unbonded	50	45
Vertical Surface Type 335	Unbonded	45	40
Postforming Type 350	Unbonded	60	35
General Purpose Type 107	Bonded with contact adhesive to particleboard substrate; 3/8"	40	100
Vertical Surface Type 335	Bonded with contact adhesive to particleboard substrate; 3/8"	40	155
Postforming Type 350	Bonded with contact adhesive to particleboard substrate; 3/8"	50	140

When you wish to specify decorative laminate for a Class I or A fire rating, please refer to the Fire-Rated Laminate Tech Data.

Model Code Designations used to determine flame spread classification

Flame Spread Classification (Max. Rating)	International (IBC)	Life Safety (NFPA 101)
25	A	A
75	B	B
200	C	C

RE: Architectural Woodwork Quality Standard, 8th Edition, Version 1.0, - 2003

All Model Codes regulate the generation of smoke by interior finish material. In all cases they specify a maximum smoke development rating of 450.

Codes and Certifications

General Standards
Wilsonart Laminates, types 107, 335 and 350, conform to the voluntary standards of the American National Standards Institute, for thickness, performance properties and appearance. Wilsonart Laminates 107,335 and 350 meet or exceed the International Standards Organization specifications as found in ISO 4586, titled "High-Pressure Decorative Laminate (HPDL) – Sheets Based on Thermosetting Resins – Part I: specifications."

Specific Product Standards
U.S. Federal Specification L-P 508H, April 9, 1977, "Plastic Sheets, Laminated, Decorative and Non-decorative." Spells out criteria for decorative laminates for federal installations. Wilsonart 107, 335 and 350 laminates comply.

NSF International (NSF) #35 "Laminated Plastic for Surfacing for Food Service Equipment." All solid colors and printed patterns in Basic Types 107, 335 and 350, comply.

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U.S. Federal Register, August 9, 1984, Housing and Urban Development Mobile Home Construction and Safety Standard, (24CFR) 3280.203. General Purpose Type 107 and Vertical Surface Type 335 comply.

U.S. Federal Test Method, Federal Aviation Regulation, DOT, Part 25.853, Airworthiness Standards: Transport Category Airplane (Interior Finish). Vertical Surface Type 335 and Postforming Type 350 comply with parts A and C.

U.S. Federal Motor Vehicle Safety Standard (FMVSS) 302, "Flammability of Interior Materials." Basic Types 107, 335 and 350 comply.

U.S. Military Standard MIL-P-17171E (SHIPS)/Plastic Laminate. General Purpose Type 107 complies.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Laminate
No effect was exhibited except as noted (* or **) on the following:

1. Clorox Healthcare Bleach Germicidal Cleaner *
2. Clorox Healthcare Versa Sure Cleaner Disinfectant Wipes
3. Oxivir TB
4. Oxivir 1
5. Virex II 256
6. Benefect
7. PDI Super Sani-Cloth Germicidal Disposable Wipes
8. PDI Sani-Prime Germicidal Spray
9. Expose II 256
10. Stride Floral Neutral Cleaner *
11. PURELL Advanced Instant Hand Sanitizer *

Test procedure: Listed materials were placed in contact with Wilsonart® Laminate surface under 1" (25.4mm) diameter watch cover glass for 16 hours duration prior to evaluation for effect. The branded cleaners and sanitizers listed above were cleaned with water only.

* *Causes slight change of gloss or color.*
** *Causes slight damage, with degree of damage proportionate to length of exposure and concentration.*

4. <u>Installation: Fabrication and Assembly Recommendations</u>

Fabrication should follow approved methods. Assembled pieces should meet the specifications of KCMA (Kitchen Cabinetmakers Manufacturers Association), ANSI A-161.2-1998 (revised), and "Architectural Woodwork Quality Standards, Guide Specifications and Quality Certification Program" guidelines of the Architectural Woodwork Institute where applicable.

Wilsonart laminates must be bonded to a substrate of reliable quality, such as particleboard, medium density fiberboard or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates. Basic Types laminate may not be used as structural members.

Bond with adhesives and follow the techniques recommended by the adhesive manufacturer. Recommended adhesives are permanent types, such as urea and polyvinyl acetate (PVA), and contact types. Wilsonart adhesives are recommended for most bonding conditions.

To avoid stress cracking, do not use square-cut inside corners. All inside corners should have a minimum of 1/8" (3.175mm) radius and all edges should be routed smooth.

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Drill oversized holes for screws or bolts. Screws or bolts should be slightly countersunk into the face side of a laminate-clad substrate.
Take care to ensure an appropriate acclimation between the laminate and the substrate prior to fabrication. The face and backing laminates and the substrate should be conditioned in the same environment for 48 hours before fabrication.
Recommended conditioning temperature is about 75°F (24°C). Laminates should be conditioned at 45% to 55% relative humidity.

With postforming machinery, Wilsonart 335 and 350 will postform at a nominal sheet temperature range of 325°F to 338°F (163°C to 170°C) in 20 ± 5 seconds.

Carbide-tipped saw and router blades should be used for cutting. High tool speed and low feed speed are advisable. Cutting blades should be kept sharp. Use a hold-down to prevent any vibration.

5. **Warranty**

6. **Maintenance**

7. **Technical Services**

For samples, literature, questions or technical assistance, please contact our toll-free Hotline at (800) 433-3222, Monday through Friday, 8 am – 5 pm, CST.

Specification Form:

Surface shall be Wilsonart® Laminate, produced by Wilsonart LLC, Temple, Texas 76503-6110

Type: Specify 107, 335 or 350

Surface
Color Number: _____ Color Name: _____

Finish
Number: _____ Name: _____

Edge Trim
Color Number: _____ Color Name: _____

Adhesive
Name: _____ Grade/Type: _____
Brand: Wilsonart® Adhesive

Wilsonart® Laminate Technical Data
Basic Types 107, 335, 350
Revised: September 12, 2019
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Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-014_LA-002-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Plastic Laminate
Item Type	Type 107 General Purpose (HGS) Laminate
Description	General purpose laminate product
Manufacturer	Wilsonart
Model	#7850-12
Dimensions	0.045" Plus Minus 0.005" Thickness, Standard Sheet Widths 36", 48", 60" x Standard Sheet Lengths 96", 120", 144"
Color	Beigewood
Finish	SoftGrain
Material Composition	Melamine impregnated deccorative surface papers combined with fire retardant phenolic treated kraft paper
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023 - Interior Architectural Woodwork
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Beigewood 7850-12
Warranty	1 Year
Notes	Recommended substrates for laminates are Particleboard, Medium Density Fiberboard (MDF) or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates.

SPECIAL INSTRUCTIONS

1. Run grain direction vertically unless noted otherwise.
2. PVC Edgebanding:
a. Exposed Ends: Grade VGS plastic laminate or minimum 0.030-inch thick PVC edge banding. Color to match exposed faces.
b. Semi-exposed Ends; Grade VGS plastic laminate or minimum 0.030-inch thick PVC edge banding. Color to match exposed faces.
3. Melamine at all vertical surfaces/HPL at all horizontal surfaces
4. Elevator Interior Cab: Materials shall comply with NEMA LD-3
a. Fire-Retardant Treated Particleboard Panels : Minimum ½-inch thick backup for plastic laminate veneered panels, provided with suitable anti-warp backing; to meet ASTM E84 Class “A” rating with flame-spread rating of 25 or less.

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-014_LA-002-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk
In-A-Pinch
Connection Center
Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Public Restrooms
Elevator Lobby
Administration
Lobby
Breakfast

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-014_LA-006-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Plastic Laminate
Item Type	Thermally Fused Laminate (TFL)
Description	Thermally Fused Melamine
Manufacturer	Wilsonart
Model	N/A
Dimensions	Standard panels are 49 and 61 inches. Standard panel lenth is 97 inches.
Color	Gray 1500-60
Finish	Matte
Material Composition	Laminate Composition: Melamine saturated decorative layers thermally fused to both core face surfaces with heat and pressure. Stain resistant surface with wear and scratch resistance.
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023 - Interior Architectural Woodwork
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Thermally Fused Laminate/1500-60 Gray
Warranty	1 Year
Notes	Panel Core Material: Composite panel product composed primarily of cellulosic materials and a bonding system, resulting in a durable and dimensionally stable substrate suitable for decorative laminate overlays. Panel core material can be particleboard or medium density fiberboard.

SPECIAL INSTRUCTIONS

All substrates should be sanded smooth, and should be clean and free of oil or grease, and uniform in thickness.

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

AREAS

Welcome Desk
Hub
On Us
Buffet
Flex

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

ALTERNATE MANUFACTURER 3	Fitness Center Employee Areas Elevator Lobby Administration Lobby
ALTERNATE MANUFACTURER 4	

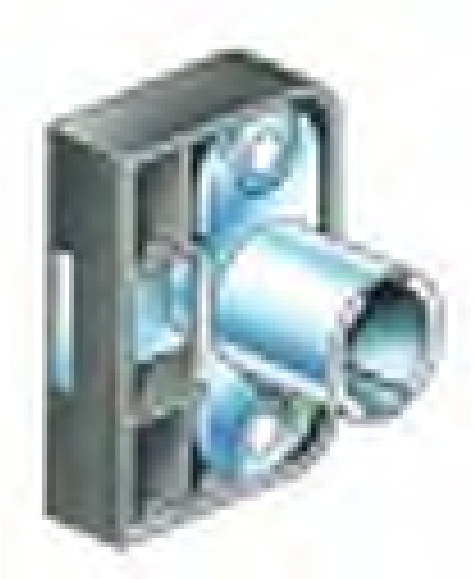
Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-014_MH-002-CX

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Door Locks
Item Type	Locks
Description	Cabinet Lock for Doors
Manufacturer	CompX-Timberline
Model	290 Series
Finish	Satin Nickel
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Screw/Nail	As recommended by Manufacturer
Finish	US15
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.
Notes	Use C700LP-15 Plugs https://tinyurl.com/2s3jxrad



SPECIAL INSTRUCTIONS

All locks in the same component to be on the same key, unless noted otherwise. Other millwork items on the hotel property with locks shall be keyed separately. Ensure master key is different at each hotel in the system.

MANUFACTURER

Vendor Name: CompX-Timberline
Contact Name:
Phone: 847.752.2600
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk
Hub
On Us
Buffet
Elevator Lobby
Administration

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-014_MH-003-GR

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Concealed Hinges
Item Type	Hinges
Description	Concealed Hinges for Cabinet Doors
Manufacturer	Grass America
Model	Tiomos 110 Overlay, Half Overlay or Inset
Finish	Nickel Plated
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Screw/Nail	As recommended by Manufacturer
Finish	US15
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.
Notes	Use soft close hinges. https://tinyurl.com/2ubsjany

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Grass America
Contact Name:
Phone: 800.334.3512
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Elevator Lobby
Administration

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-014_MH-005-KV

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Shelf Supports Pins & Bussings
Item Type	Shelf Supports
Description	Shelf Supports (non-exposed 5mm)
Manufacturer	KV
Model	345
Dimensions	5/16"
Finish	Nickel Plated (NP)
CSI #	12 32 16
Omniclass #	22-12 32 16
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Screw/Nail	As recommended by Manufacturer
Finish	Nickel Plated (NP)
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: KV
Contact Name: Customer Service
Phone: 1(800)-253-1561
Email: customer.service@kv.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Connection Center
Hub
On Us
Buffet
Flex
Employee Areas
Elevator Lobby
Administration

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-014_MH-017-JG

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Cabinet Pulls
Item Type	Door & Drawer Edge Pull
Description	Edge Pull
Manufacturer	J.G. Edelen Company, Inc
Model	Liberty Hardware P31675-SN-C Modern Edge Collection
Dimensions	7"L x 1-5/8"W x 1"H
Finish	Satin Nickel
Material Composition	Zinc Die Cast, solid sheet aluminum construction
CSI #	12 32 16 - Manufactured Plastic Laminate Clad Casework
Omniclass #	22-12 32 16 - Manufactured Plastic Laminate Clad Casework
Quality Standards	ANSI/BHMA A156.9 Cabinet Hardware
Accessibility Compliance	ANSI A117.1 current version, ADAAG
Part of an Assembly	Y
Lead Time	Standard lead times are 3-5 business days from receipt of purchase order. Lead time should be verified with manufacturer.
Warranty	Warranted one year from the date of purchase order.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk
Connection Center
Hub
Buffet
Flex
Elevator Lobby

Towneplace Suites by Marriott
MILLWORK
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ML-014_PL-904-HW

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Hydration Station
Item Type	Electric sensor water dispenser
Description	Touch-free electric sensor water dispenser With carbon block filter with lifecycle control. 3-15/16"D x 15"W x 30-1/4"H / Semi-Recessed
Manufacturer	Haws
Model	2000SN - Bottle Filler with Lifecycle Control
Dimensions	Refer to attachment
Material Composition	Stainless Steel & ABS plastic
Global Specification	Y
CSI #	221000 - Plumbing Piping*
Omniclass #	22-221000
Quality Standards	Meets NSF/ANSI Standard 61, Section 9, NSF/ANSI Standards 42 & 53, NSF/ANSI 372 and CSA Standard B483.1.
Part of an Assembly	N

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Haws Corporation
Contact Name: Laura Winkler
Phone: (775) 359-4712
Email: laura.winkler@nhyates.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Fitness Center
Elevator Lobby
Lobby
Hydration Station

model 2000SN

Recessed Wall-Mount Bottle Filling Station

FEATURES & BENEFITS

QUALITY CONTROL

The Haws bottle filling station is pre-built and fully water and pressure tested to ensure no leaks and proper function for reduced installation time and added peace of mind.

SERVICING & SECURITY

Durable ABS plastic front panel allows simple access to internal components. 30 second time-out prevents unwanted use. Hidden lock and hinges discourages vandals.

ADVANCED FILTRATION

2,500-gallon (9463 L) capacity, electronic lifecycle control filter cartridge will shut off water flow when capacity is reached to ensure fresh, filtered water with every activation. Filter replacement indicator light will flash yellow when filter life is at 10% and will flash red when replacement is necessary. Preparing to replace filter is important when the filter light flashes yellow.

DURABLE FINISH

#4 satin stainless steel back panel can be easily cleaned and maintained while also resisting corrosion.

SENSOR OPERATED

Electric sensor allows for tough-free hygienic operation, eliminating the need for manual activation.

OPTIONS

- ☐ Remote Drinking Fountain Water chiller: Model HCR8, 8 gph (30.3 L) remote water chiller provides instantaneous cooling to meet a continuous demand for chilled water.
- ☐ 2000 Series Mounting Frame: Model MTGFR.HSC, galvanized steel mounting frame with grille for the 2000 series bottle filling stations.

For more information, visit www.hawsco.com or call (888) 640-4297.

SPECIFICATIONS

Model 2000SN Hydration By Haws™ water dispenser is a semi-recessed, wall-mounted wheel chair accessible bottle or cup filling station constructed of durable ABS plastic and 16 gauge, Type 304 Stainless Steel with a satin finish. It features an electric sensor for touch-free hygienic operation and a 30-second timeout preventing unwanted use, laminar flow to prevent splashing, and .5 gpm (1.9 L) flow rate for quick fill-up. 2,500-gallon (9464 L) carbon block filter reduces chlorine (taste and odor) and lead, and removes 99.99% of cysts. The mounting frame is of heavy gauge, galvanized steel. 110 volt, 60Hz, and .1 amp draw when in use. Tailpiece is 1-1/4" (32 mm) O.D. Provision for trap (not included) must be made in or behind wall. Model 2000SN has no logo for a clean, aesthetically pleasing look.

APPLICATIONS

Perfect for either public or private indoor settings, the Hydration By Haws™ bottle filling station is a great fit in areas where aesthetics are important to the overall appeal of the architecture. Specifically, this type of semi-recessed wall mounted bottle filling station is ideal for office buildings, airports, schools, manufacturing facilities and municipalities.Model 2000SN meets the Americans with Disabilities Act when mounted at the correct height. Haws manufactures drinking fountains and electric water coolers to be lead-free by all known definitions including NSF/ANSI Standard 61, Section 9, NSF/ANSI Standards 42 & 53, NSF/ANSI 372 and CSA Standard B483.1. Product is compliant to California Health and Safety Code 116875 (AB 1953), California Proposition 65 and the Federal Safe Drinking Water Act. Model 2000S is certified to the Standard for Water Treatment Appliances (UL979).

DISCLAIMER: Continued product improvements make specifications subject to change without notice. Check www.hawsco.com for the latest product information and updates.

INSTALLATION GUIDE

1455 Kleppe Lane ◆Sparks, NV 89431-6467 ◆(888) 909-4297
◆ website: www.Hawsco.com

No. 0510000663 (2)

Model 2000S/2000SN
Bottle Filler with Lifecycle Control

NOTE: A Class A ground-fault circuit interrupter (GFCI) shall be installed in the branch-circuit supplying power to this unit.

CAUTION! Prior to making any electrical connections, verify with a voltmeter that power from the service panel is **off.**

SHOULD YOU EXPERIENCE DIFFICULTY WITH THE INSTALLATION OF THIS MODEL, OR REQUIRE REPLACEMENT PARTS, PLEASE CALL:

TECHNICAL SUPPORT:
1-800-766-5612

HOURS OF OPERATION: MON-THURS 7:00a.m. - 4:30p.m PT, FRI 7:00a.m.- 11:00a.m. PT

QUICK START REFERENCE

PARTS LIST: 1 bottle filler, 1 filter cartridge, 1 plastic drain basin, 1 brass waste bend, 1 waste nut, 1 rubber waste washer, 1 hex key, 2 drain basin screws, 2 drain basin screw washers.

RECOMMENDED TOOLS: Phillips screwdrivers, level, slip joint pliers.

REQUIRED PARTS (NOT SUPPLIED): Qty. 6 – 10 #6 sheet metal or wood screws (depending on construction of wall studs), 1/2” screwdriver stop, 3/8” tubing (to be used for water supply inlet), 1-1/4” trap, qty. 3 wire connectors.

PRODUCT INSTALLATION: When installing this product, local, state or federal codes should be adhered to. This unit is certified for indoor use only.

SUPPLY LINE: Minimum recommended line size is 1/2" IPS with 30-90 PSI (2-6 ATM) flowing pressure; supply water is to be cold water supply. Intended for municipal water only.

PLUMBING CONNECTIONS: Inlet is 3/8” O.D. push-in type fitting. Waste bend is 1-1/4” O.D. pipe; an acceptable trap must be used after waste bend.

ELECTRICAL CONNECTIONS: 115VAC, 60HZ, approx. 0.14A. Unit wired directly to incoming line (stripped leads provided).

RATED SERVICE FLOW: 0.5 GPM (2725L/day)
OPERATING TEMPERATURE: 35–100˚F (1.7–37.8˚C)
OPERATING PRESSURE: 30-90 PSI
FILTER CAPACITY: 2500 gallons (9460L) or 1 year
REPLACEMENT FILTER CARTRIDGE: Electronic Lifecycle Control Filter Model 6423

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INSTALLATION PROCEDURE

WARNING: Make certain power is disconnected before installation to reduce risk of electrical shock.

WARNING: Filter is not intended to withstand operating pressures greater than 100 PSI (6.8 ATM). If inlet pressure is greater than this, filter must be protected with a pressure regulator.

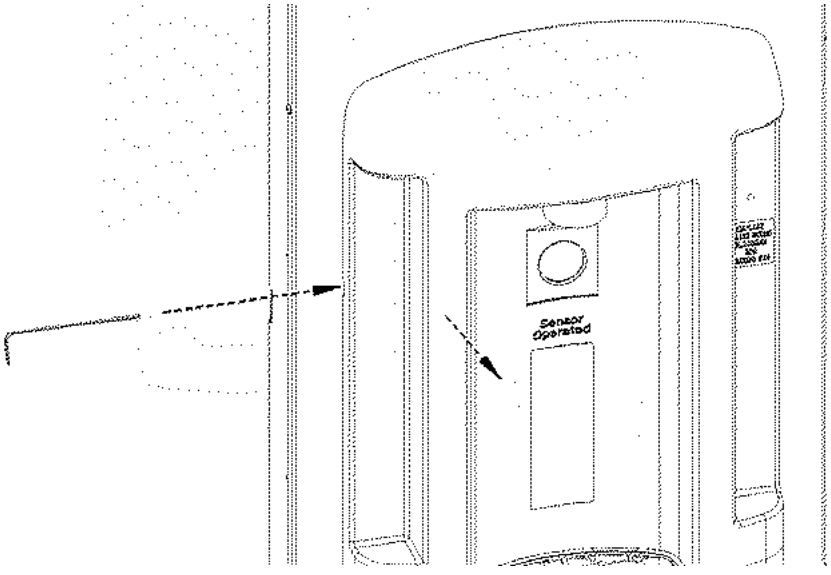
NOTES:

1. **This unit is certified for indoor use only.**
2. **For all plastic push-in type fitting connections, only connect NSF-61 copper or plastic tubing. Stainless steel or glass tubing is not recommended. The following assembly instructions must be followed to ensure a watertight connection:**
   - **a. Cut tubing square and clean.**
   - **b. Mark from end of tube the length of insertion (See table below).**
   - **c. Push tube into the fitting until it bottoms out.**
   - **d. To remove, depress collet and pull tubing out.**

Tube Sizes	O.D. Tolerance	Insertion Depth
1/4”	±.005”	11/16”
3/8”	±.005”	3/4”
1/2”	±.005”	7/8”

3. **Use NSF-61 approved pipe joint sealant on all threaded water connections.**
4. **Do not use with water that is microbiologically unsafe or unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.**
5. **Use the cardboard inserts from the box to support the unit while preparing for installation by placing unit face down on inserts.**

Step 1: To open the unit, slide the supplied hex key into the notch in the left-hand side of the hinged upper plastic panel and press the key firmly in that same direction. This will disengage the internal spring latch. Simultaneously pull open the hinged panel (see Step 1 Diagram). Take care not to damage the stainless steel panel or the spring latch in this process.

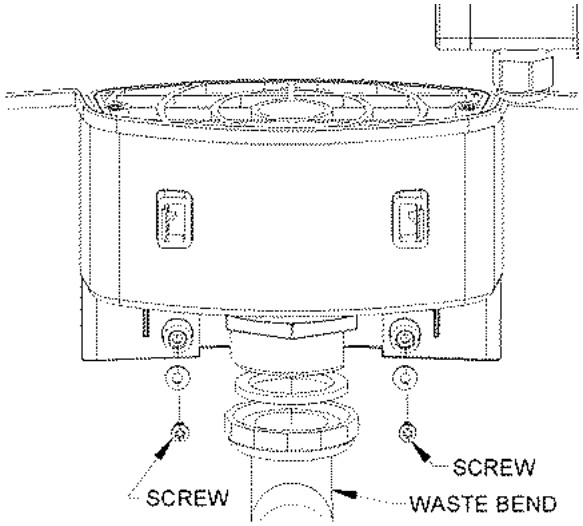


Step 1 Diagram

Step 2: Unscrew the 4 side-mounted panel screws on the outside of the bottle filler using the

supplied hex key, and remove the mounting frame from the bottle filler (see Step 2 Diagram).

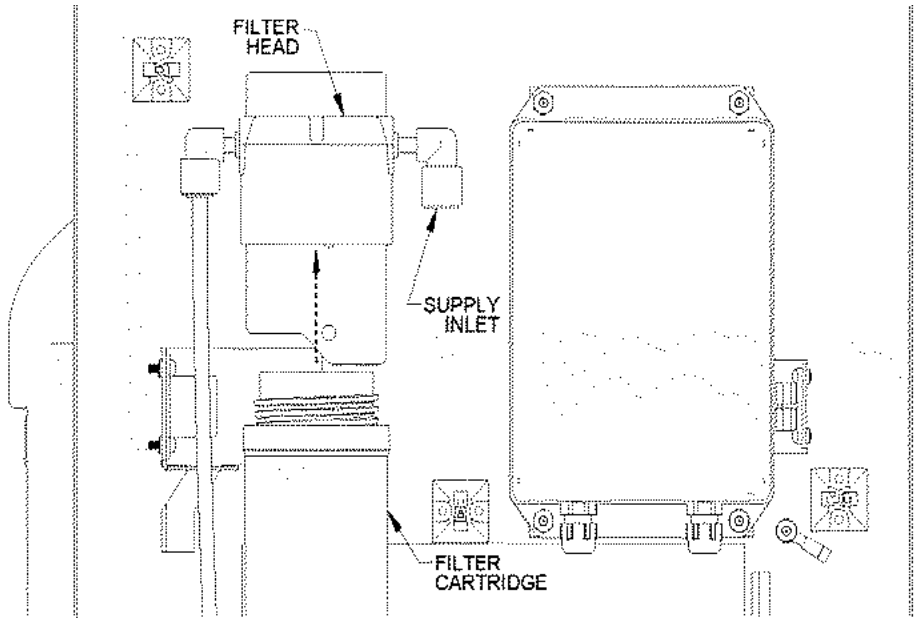
Step 3: Use the 2 washers and the 2 screws supplied to attach drain basin to unit as shown in Step 3 diagram (other components removed for clarity).
Install waste bend with nut and rubber washer as shown (see Step 3 Diagram).



Step 3 Diagram
(Back View)

Step 2 Diagram

Step 4: Firmly screw filter cartridge into filter head (see Step 4 Diagram). NOTE: Bottle filler will work only if a filter cartridge is installed and its wiring is plugged in (see Step 9).

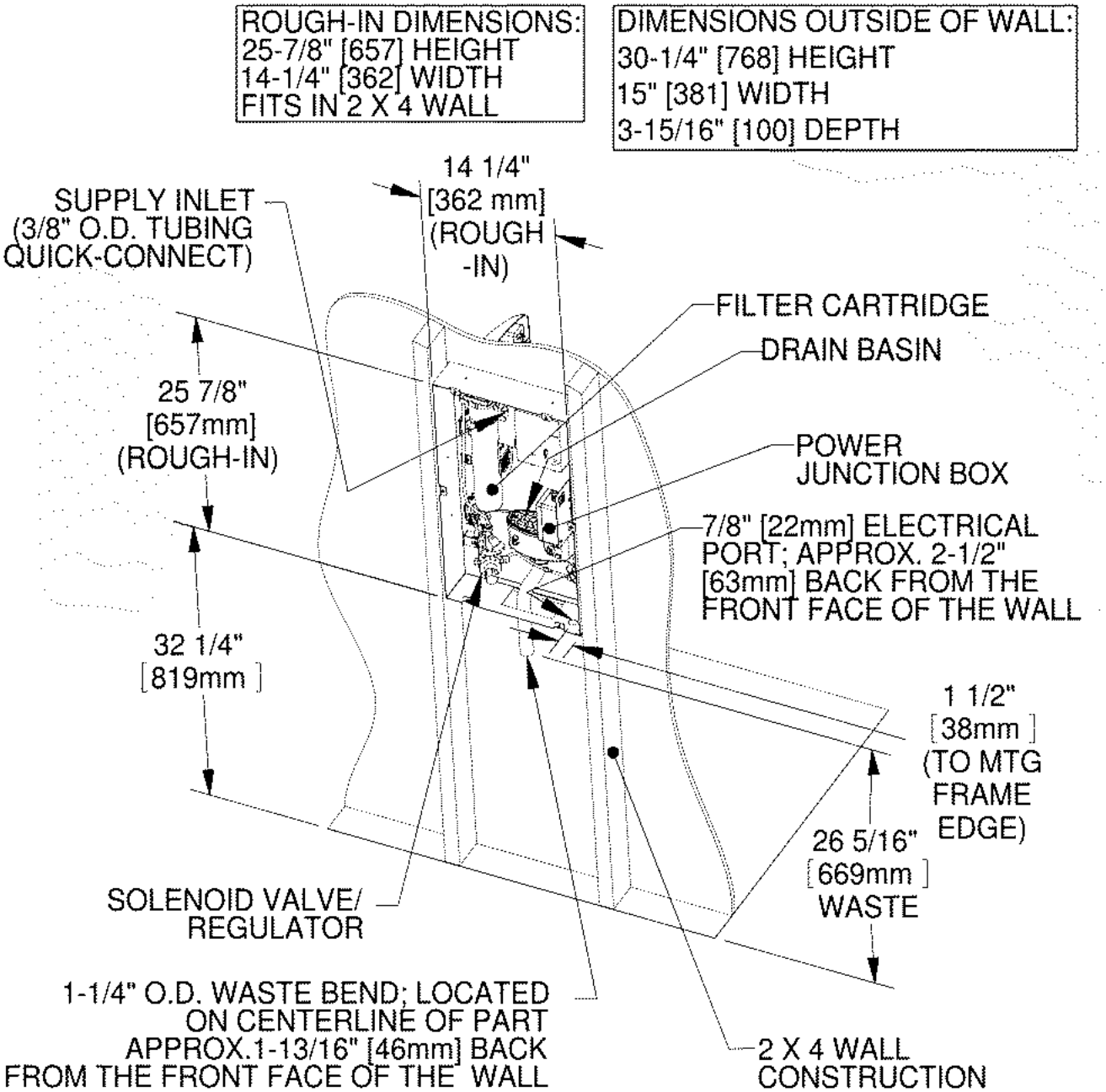


Step 5: Create a wall opening for the unit as shown in Step 5 Diagram – hold rough-in dimensions to within 1/8". The bottle filler is designed to fit between two normally spaced 2 X 4 studs (16" center-to-center).
Install waste line, supply line, and electrical lines in locations shown. The supply line should be brought up through the rectangular waste cutout in the bottom of the unit. Double-check waste, supply, and electrical line locations.
Install a 1/2" IPS supply screwdriver stop (not supplied) into the water supply line where it will be readily accessible.

NOTE: A suitable trap must be used in conjunction with the waste. This trap should be positioned in a location where it can be accessed and removed (it may be helpful to use a wall-mounted access panel).

NOTE: When installing this unit, all pertinent local, state, or federal codes should be adhered to.

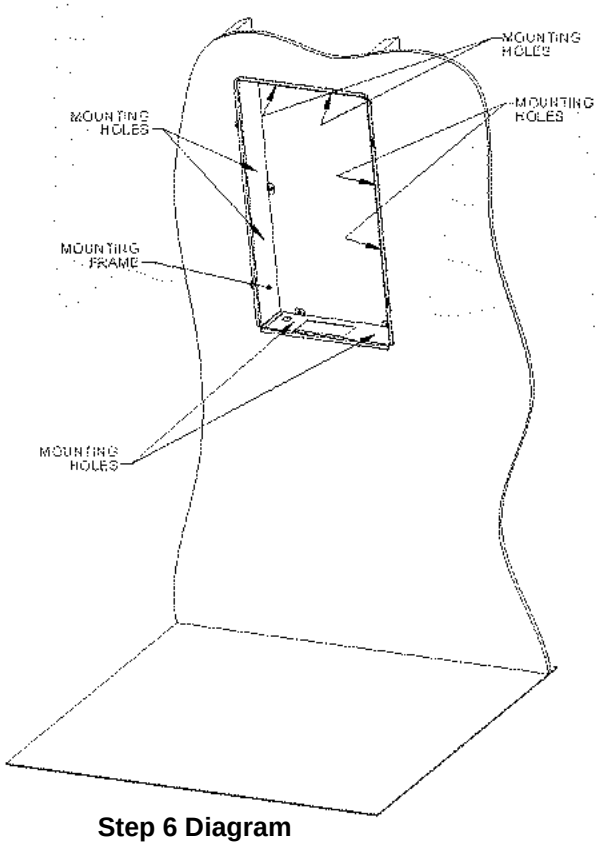
Bottle filler (rear cover removed) viewed from behind wall



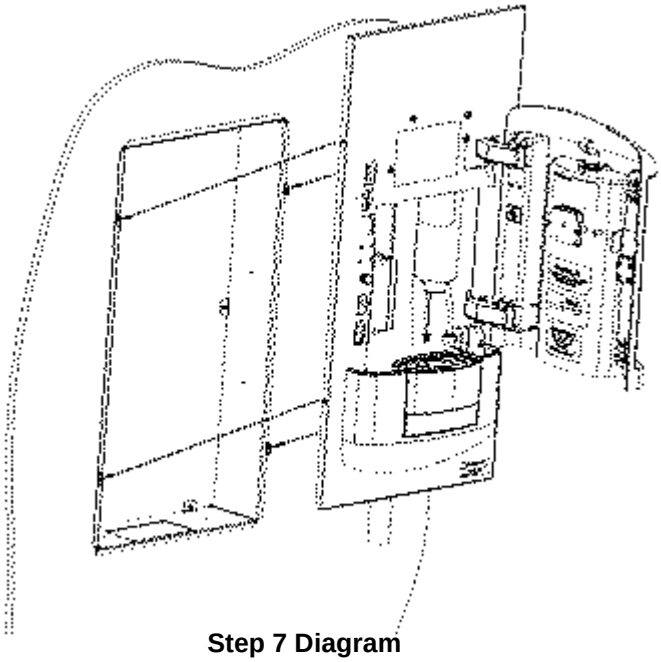
Step 5 Diagram

Step 6: Place the mounting frame into its opening such that it sits flush against the wall. Use some appropriate #6 screws (between 4 & 8 as required; not supplied) to secure the frame into the wall; notice that mounting holes are provided in the top, bottom, and sides of the mounting frame (see Step 6 Diagram).

Use a level to verify that the mounting frame is level horizontally and vertically; this will help to assure proper drainage and water flow that is properly aligned.



Step 6 Diagram

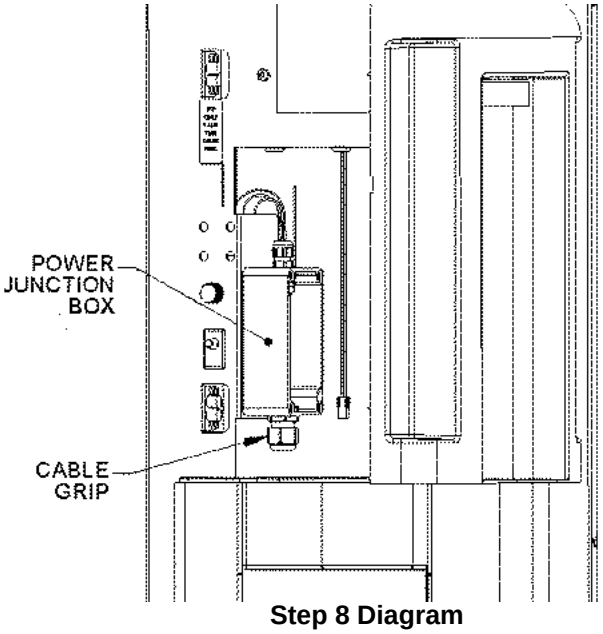


Step 7 Diagram

Step 7 Diagram

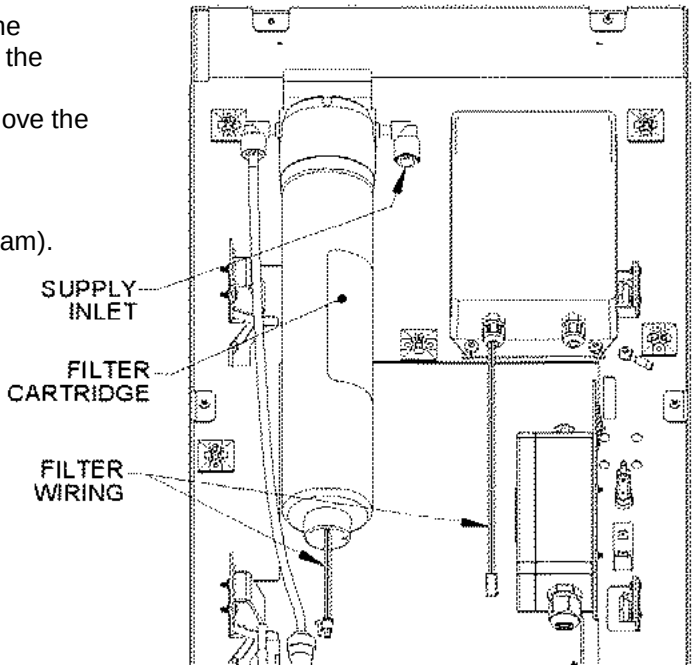
Step 7:
Place the bottle filler onto its mounting frame and make the connection between the bottle filler waste and the plumbed-in waste line.
Secure the bottle filler to the mounting frame using the 4 screws removed in Step 2 (see Step 7 Diagram).

Step 8: Open the power junction box; run supply power wiring through the bottom cable grip. Connect supply power to lead (black), neutral (white), and ground (green) wires inside the box (stripped leads provided) (see Step 8 Diagram). Replace cover.



Step 8 Diagram

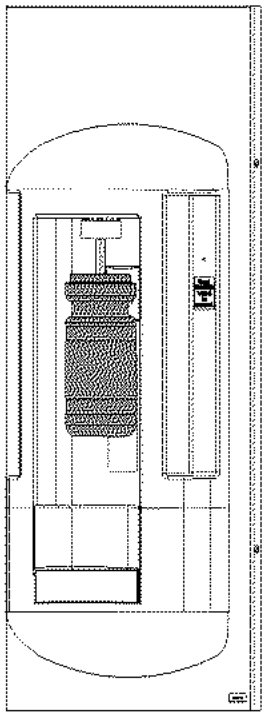
Step 9: Run 3/8" tubing (not supplied) between the screwdriver stop (installed in Step 5) and the bottle filler's supply inlet elbow in the filter head (it may help to temporarily remove the filter cartridge – see Step 9 Diagram). Connect the wiring coming off of the filter cartridge to the wiring coming out of the circuit board enclosure (see Step 9 Diagram).



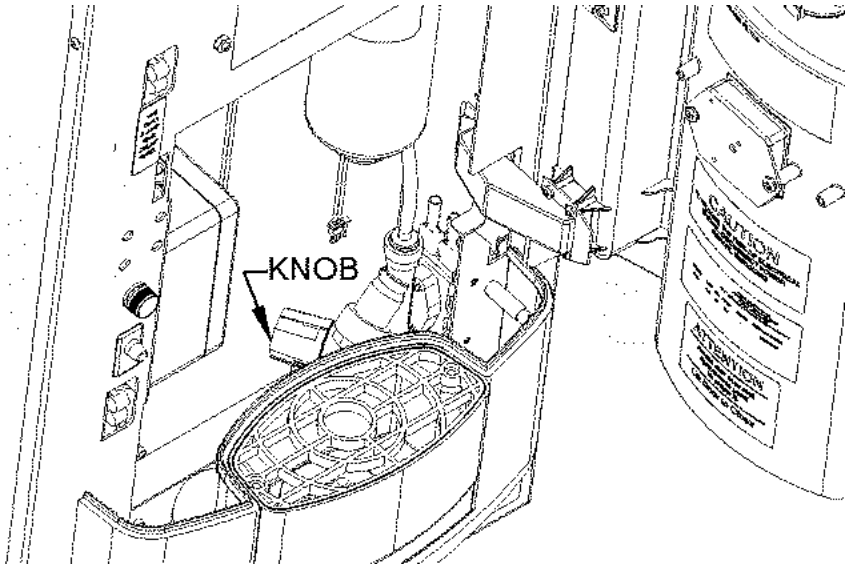
Step 9 Diagram (Back View)

Step 10: Open the screwdriver stop **wide open** and check for leaks. Close the hinged upper panel and provide power to the bottle filler.

Step 11: Activate the bottle filler by placing a bottle or cup in front of the sensor (see Step 11 Diagram A). If water does not dispense, see the Troubleshooting Guide in the Owner's Manual. The pressure regulator may need to be adjusted to better complement the input pressure at the installation site (see Step 11 Diagram B below). To do so, pull out the adjustment knob and rotate as needed (clockwise from the front of the unit decreases flow); push knob in when desired flow is achieved. * Flow rate is factory set to the maximum flow rate for reduced water consumption.



Step 11 Diagram A



Step 11 Diagram B

Step 12: **Approximately five gallons** of water must be run through the system after the unit is installed in order to remove the loose carbon particles from the filter cartridge and any air bubbles from the system (both of these are normal occurrences after a filter change). Check the system for leaks. Place hex key in a secure location.

ARCHITECTURAL LIGHTING

Architectural Lighting - Controls

Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALC-030-CL

Revision 1

Real Living Decor Package

Issue Date: Nov 23, 2022
Revision Date:

Item Name	Lighting Controls
Item Type	Master Dimming System
Description	Centralized Dimming System
Manufacturer	Cooper Lighting - WaveLinx Wired, Cooper Controls, iLumin
Model	Refer to Notes
Color	Controls - White
CSI #	260933 - Central Dimming Controls
Omniclass #	22 - 260933 - Central Dimming Controls
Notes	Master Dimming System Components: 1 Qty: WaveLinx Wired ILM-2200 DIN Rail based lighting control panels-Panel Size=Medium, Relay Circuits=24, #0-10V Outputs=24, # DALI Buses=0, Eth/Gwy-EG-2=0 1 Qty: WaveLinx Wireless GS308P-100NAS Unmanaged 4 port Netgear PoE switch 1 Qty: iLumin Plus TSE55-B 5.5" (140mm) LCD Color Touchscreen, Black 1 Qty: iLumin TSI-1-NA TSE Touchscreen Interface 1 Qty: Cooper Controls CUST-ENGRV-6BTNS 6 Small Button Requires Custom Text Order Form 1 Qty: iLumin CLS-6TSB-W-IR 6 Small buttons, White, IR

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 2

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

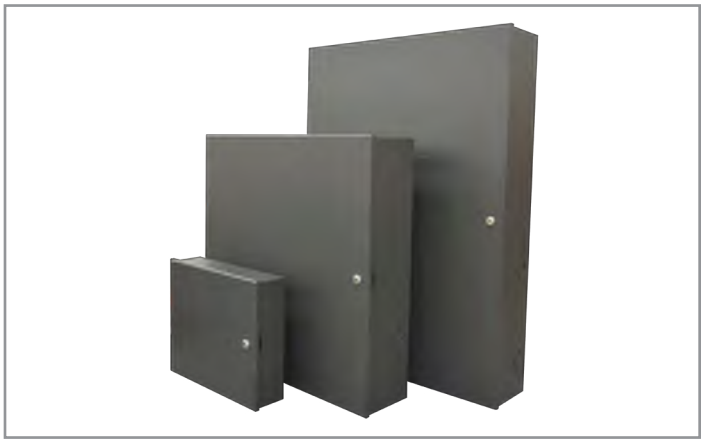
ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Administration
Mechanical, Plumbing & Electrical

Project		Catalog #	ILM-2200	Type	ALC-030
Prepared by		Notes		Date	



WaveLinx Wired

IL Area Controllers

WaveLinx Wired's most versatile and complete wired connected lighting system

Typical Applications

Office • Education • Healthcare • Hospitality • Retail • Industrial • Manufacturing • Outdoor

Interactive Menu

- Order Information page 2
- Additional Resources page 3
- Connected Systems page 5
- Product Warranty

Product Certification

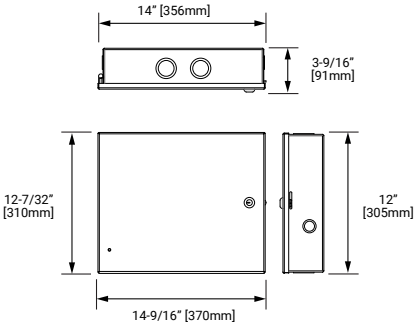
Product Features

WaveLinx Wired Local Bus · WaveLinx Wired 5-Wire Bus · Manual Dimmer · Manually Switched ON/OFF · Occupancy Sensor · Receptacle Control · Lumen Maintenance Control · Tuning Control · Scheduling · Demand Response · Daylighting Control · Outdoor Control

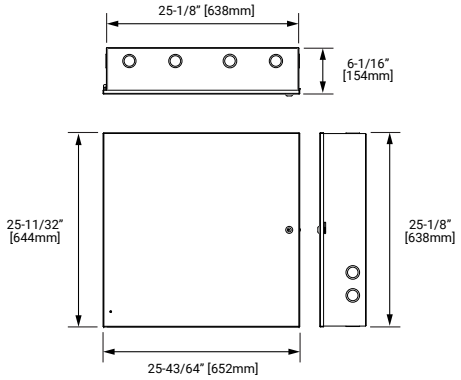
Top Product Features

- Occupancy and Vacancy Sensors
- Scheduling
- Daylighting
- DMX control
- A/V integration

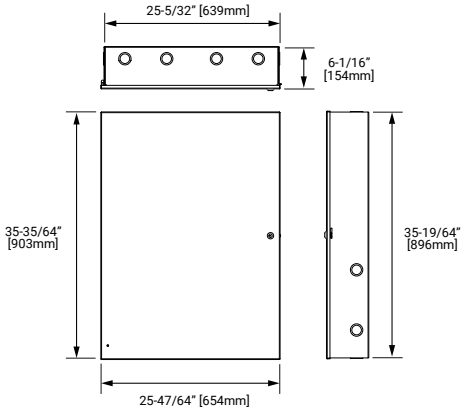
Dimensional and Mounting Details



Small panel configuration



Medium panel configuration



Large panel configuration

WaveLinx Wired Panel Series

Order Information

Catalog Number

Panel Size	Catalog No.	# Relay Circuits	# 0-10V Outputs	# of Local Buses	Ethernet Gateway (EG-2)
Small	**ILS-0010**	0	0	4	N/A
	ILS-1100	12	12	0	N/A
	ILS-0020	0	0	8	N/A
	ILS-2000	24	0	0	N/A
Medium	**ILM-2200**	24	24	0	0
	ILM-2201				1
	ILM-2110	24	12	4	0
	ILM-2111				1
	ILM-0040	0	0	16	0
	ILM-0041				1
	ILM-3000	36	0	0	0
	ILM-3001				1
	ILM-4000	48	0	0	0
	ILM-4001				1
Large	**ILL-3300**	36	36	0	0
	ILL-3301				1
	ILL-4400	48	48	0	0
	ILL-4401				1

NOTE: Custom configurations are available by entering a PDR. (Small area controller supports 2 modules, medium supports 4 modules, and large supports 8 modules)

Product Specifications

Key Features

- UL listed to all relevant standards (UL–916, UL 508A, cULus)
- Supports various ballast/driver types controllable by 0-10V
- Supports four WaveLinx Wired local buses per SCMD4 module
- Supports up to 48 switched outputs (based on selected configuration)
- Heavy duty 20A (@ 40C) relays used on all relay modules
- Capable of providing versatile solutions that include relays outputs, 0-10V outputs, DMX inputs and WaveLinx Wired local bus connections for controls inputs and luminaire level local control
- Capable of mixed load voltages (120/277 VAC 50/60Hz) based on proper spacing and wire insulation.
- Panel systems solutions include both normal and emergency power sources based on proper spacing and wire insulation
- Ethernet connectivity available (based on selected catalog number)
- DMX output available using SCD96 or SCDServer Pro network accessory
- Capable of meeting all latest energy codes (IECC, Title 24, ASHRAE)

Mechanical

Enclosure: NEMA 1, Surface Mount, lockable, Size: See Dimensions

Enclosure Size:

- Small: 14.56” W X 12.22” H X 3.56” D (369.8mm x 310.4mm x 90.4mm)
- Medium: 25.67” W X 25.34” H X 6.06” D (652mm x 643.6mm x 153.9mm)
- Large: 25.73” W X 35.54” H X 6.07” D (653.5mm x 902.7mm x 154.2mm)

Weight:

- Small: 10lbs (4.5 kg)
- Medium: 33lbs (15 kg)
- Large: 59lbs (26.7 kg)

Environment:

- **Operating temperature:** 35°F to 122°F (+2° C to +50° C)
- **Max Storage temperature:** 140°F (+60° C)
- **Relative humidity operating:** +5 to 95% non-condensing
- For indoor use only

Electrical

Supply: 120-277VAC ± 10% 50/60Hz, 5A Max

Maximum Load:

- **Switching Load:** 20A max. per relay, 192A max. total (SCMR1220 Module)
- **0-10V Load:** 50mA per channel (SCMH1200 Module)
- **Local buses:** 250mA per loop/bus (SCMD4 Module)

Protection Internal: 5A Circuit Breaker for incoming power

WaveLinx Wired Network: Use Belden 1502 or 1502P, WaveLinx Wired accessory LCCP or LCCNP or equal

Local Bus Wiring: 18-14AWG(depending on distance)

0-10V Wiring: 18-14AWG (depending on distance)

Standards/Ratings

- cULus Listed - Energy Management Equipment (UL916)
- Meets ASHRAE Standard 90.1 requirements
- Meets IECC 2015 requirements
- Meets CEC Title 24 requirements

Environmental Regulations:

- NEMA 1 Type 1

Warranty

Five year warranty standard

Overview

Cooper Lighting Solutions WaveLinx Wired area controllers are one single lighting control solution for all traditional wired control application needs. Designed to be the most scalable, simple, modular and feature rich, these DIN Rail based lighting area controllers are capable of handling energy management, code compliance, architectural lighting and individual addressable lighting applications, all from a single system.

The Cooper Lighting Solutions WaveLinx Wired IL area controllers are sold as a portfolio of feature rich lighting control panels that come in 11 different base configurations across three different enclosure sizes- small, medium and large. All configurations in medium and large size enclosures have the Ethernet Gateway (EG-2) available as an option. Each configuration and option combination has a unique catalog number (within the IL Series) for ease of ordering and identification.

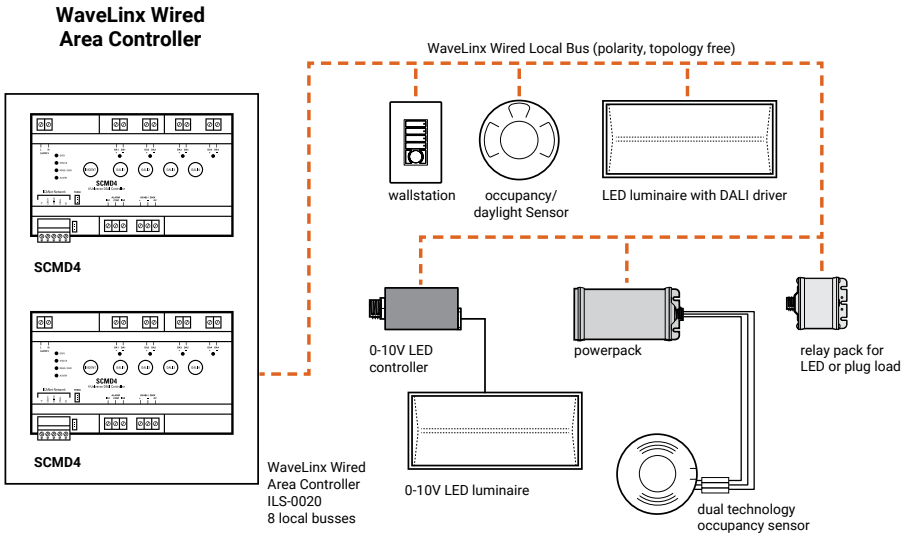
Depending upon the size of the job and the limitations of the electrical closet and/or equipment room spaces, the area controllers can be mixed and matched and networked together. Each area controller configuration is fully networkable via Cooper Lighting Solutions WaveLinx Wired network and commissioned via the Device Editor software package.

The WaveLinx Wired area controller series solution comes compatible with a full complement of Cooper Lighting Solutions existing portfolio of sensors and accessories. These can be configured with any of the IL Series area controller configurations to create a powerful lighting control solution that can perform a variety of functions such as:

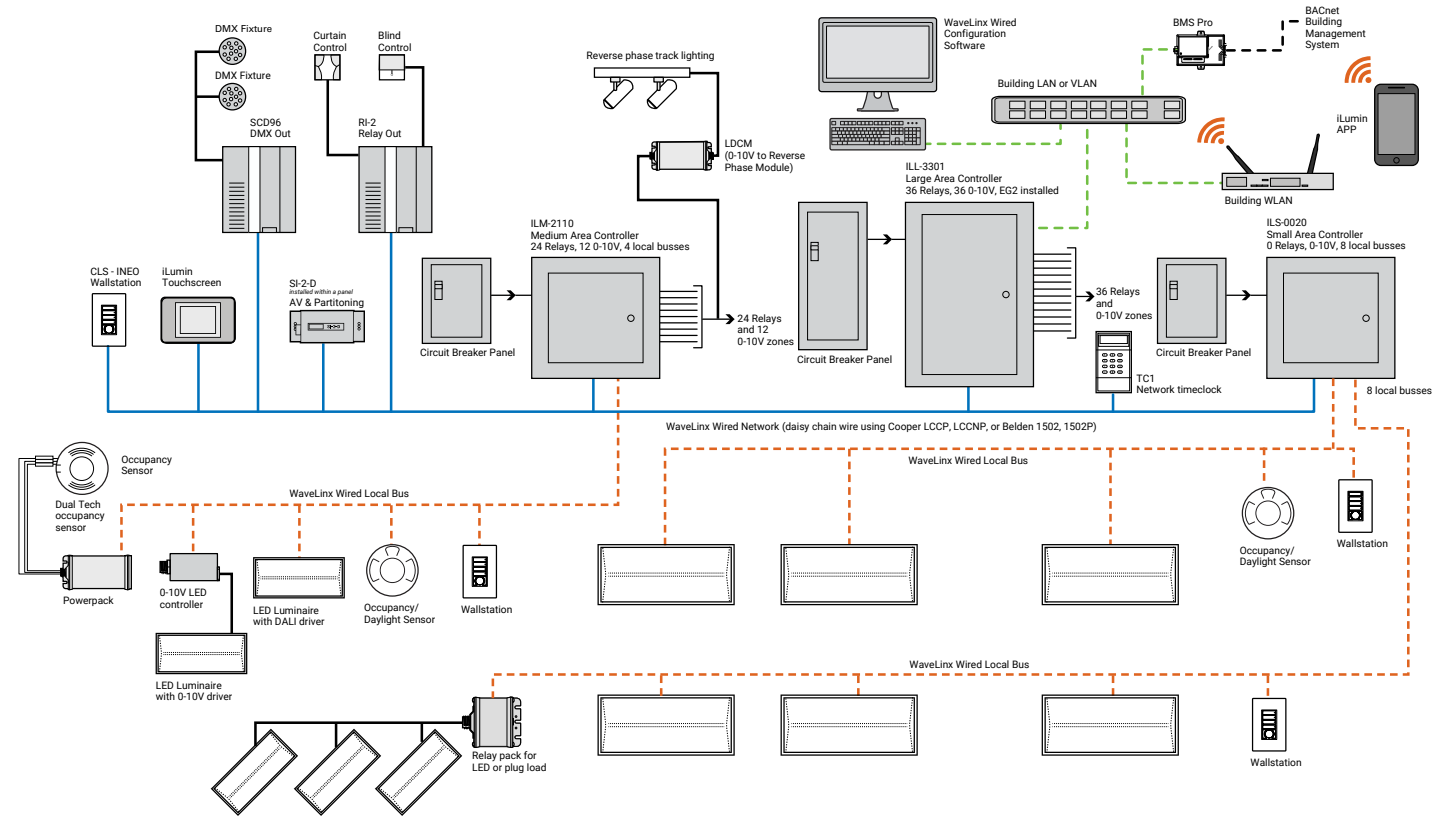
- Occupancy/Vacancy sensing
- Scheduling
- Daylight Harvesting
- Shade Control
- A/V Integration
- Standard/Custom partitioning
- DMX control
- BMS integration and more. Please refer to the design guide and product brochure for more details (see Additional Resources section).

System architecture

Simple WaveLinx Wired system



Complete WaveLinx Wired system



WaveLinx Wired Panel Series

Sample System Topology:

This diagram shows the main components of the WaveLinx Wireless and Wired Connected Lighting system.

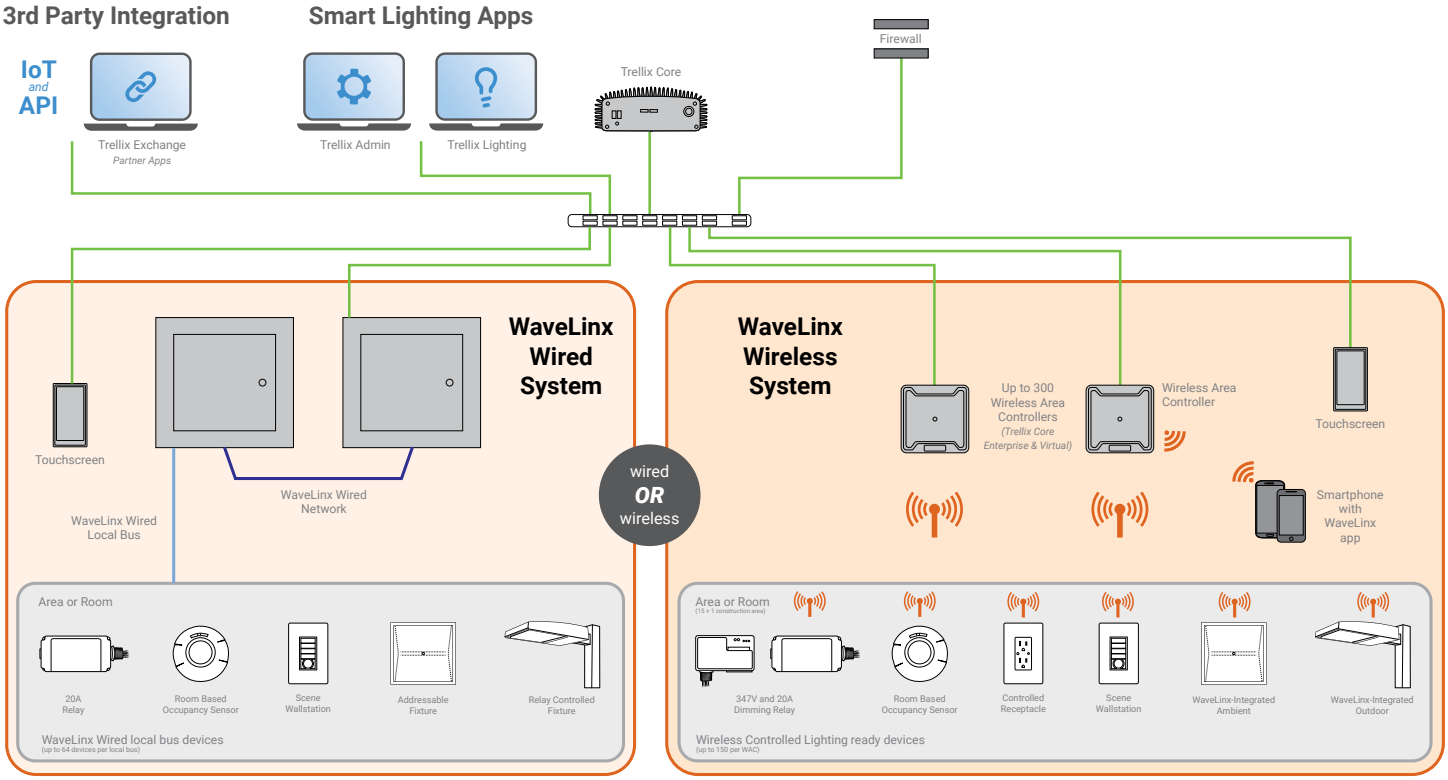
The **WaveLinx wireless system** communicates using wireless mesh technology based on the IEEE 802.15.4 standard. A PoE LAN connection for each Wireless Area Controller (WAC) is required for power and data access to the building lighting network.

The **WaveLinx wired system** controls the devices using relay, 0-10V, DALI methods. A CAN connection for each panel is required for data exchange between the panels. To communicate with the Trellix Core, the WaveLinx wired system requires an ethernet gateway. A LAN connection for each ethernet gateway (EG2) is required for data access to the building lighting network.

The Trellix Core, WaveLinx Area Controllers (WAC) and WaveLinx Ethernet Gateways (EG2) communicate with each other over the Ethernet network.

Please refer to the WaveLinx Wireless Network and IT Guidance Technical Guide and WaveLinx Wired Network and IT Guidance Technical Guide for more information.

View WaveLinx Network and IT Guidance Technical Guide



Control Systems

- Trellix
- WaveLinx Wireless
- WaveLinx Wired
- VividTune

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Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

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Specifications and dimensions subject to change without notice.

Project		Catalog #	GS308P-100NAS	Type	ALC-030
Prepared by		Notes		Date	

WaveLinx Wireless

GS308P-100NAS
Unmanaged network switch

The unmanaged switch provides power and data from a single Ethernet (CAT-5e) cable to devices such as WaveLinx Area Controller and WaveLinx Touchscreen

Typical Applications
Office • Education • Healthcare

Interactive Menu

- Order Information page 2
- Additional Resources page 3
- Connected Systems page 4
- Product Warranty

Product Certification

Part 15/Class A

IC RATED

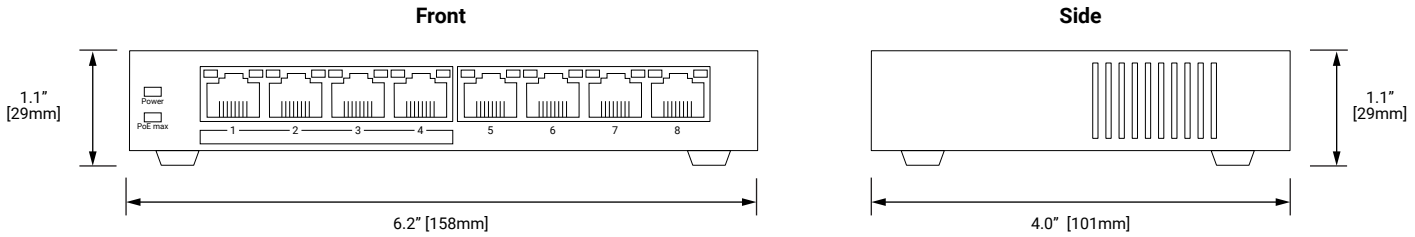
Product Features

PoE 802.3af

Top Product Features

- **802.3af Power Over Ethernet (PoE)** – Allowing the user to power up to four (4) WaveLinx Area Controller and/or WaveLinx Touchscreen
- **Auto-MDI/MDIX** – Eliminates the need for crossover cables
- **LED indicators** – Allowing user to easily set the status of each port
- **Fan-less design** – Ensuring silent operation of the switch
- **Plug-and-play** – No setup required

Dimensional Details



WaveLinx Wireless Unmanaged Network Switch

Order Information

Catalog Number

Catalog Number	Description
GS308P-100NAS	Netgear GS308P-100NAS POE Switch

Product Specifications

Key Features
- Unmanaged
- Auto-MDI/MDIX
- Fanless
- Plug-and-play

Mechanical
Size: 6.2" W x 4.0" D x 1.1" H (158mm x 101mm x 29mm)
Weight: 1.02 lbs (0.46 kg)
Environment:
- **Operating temperature:** 32°F to 104°F (0°C to 40°C)
- **Storage temperature:** -4°F to 158°F (-20°C to 70°C)
- **Operating/ Storage Humidity:** 90% maximum relative humidity (RH), non-condensing / 95% maximum relative humidity (RH), non-condensing
- For indoor use only

Mounting: Desktop or wall-mountable
Housing: Metal
Connector Type: Metal

Electrical
Power Consumption
- **DC Input/Power In:** 48V, 1.25A
- **Power Consumption (Max and Standby):** 60W/0.28W
- **Heat Dissipation (Max and Standby) (BUT/Hr):** 205.20 BTU/0.96 BTU

Hardware Specifications
LEDs
- **Per Port:** Speed, Link/Activity (Left), Ports 1-4: PoE Power (Right)
- **Per Device:** Power, PoE Max

Performance Specifications
- **Bandwidth (Non-Blocking):** 16 Gbps
- **Packet Buffer Memory (Dynamically shared across only used ports):** 192 KB
- **Jumbo Frame Support:** 9,720 bytes
- **Queue WRR (Weighted Round Robin):** 1:2:4:8
- **Forwarding Rate (using 64-byte packets):** 1,448,000 pps
- **Latency (using 64-byte packets):** < 3.0 µsec
- **MAC Address Table Size:** 4K
- **Auto MDI/MDI-X Cable Detection:** Yes
- **Auto-sensing Half/Full Duplex Switched Ports:** Yes
- **Mean Time Between Failures (MTBF) @ 25° C :** 2,244,211 hours

Quality of Service (QoS)
- **802.1P Based (CoS) Supported:** Yes
- **Honors DSCP (DiffServ) Tags:** No

PoE Configuration
- **802.3af PoE Ports:** Ports 1-4
- **PoE Max Power Per Port:** Up to 15.4W
- **Total PoE Power Budget:** Up to 53W
- **PoE auto-balance:** No

Energy Efficiency
- **Energy Efficient Ethernet (EEE) IEEE 802.3AZ:** Yes
- **Auto Power Down:** Yes
- **Short Cable Detection:** Yes
- **Fan/Fanless:** Fanless

Standards/Ratings
- FCC Part 15/ECES-003
- IC Class A
- IEEE Network Protocols
- IEEE 802.3ab 1000BASE-T Gigabit Ethernet
- IEEE 802.3u 100BASE-TX Fast Ethernet
- IEEE 802.3i 10BASE-T Ethernet
- IEEE 802.3x Flow Control
- IEEE 802.1p Priority QoS (all models)
- IEEE 802.3 CSMA/CD
- 802.3az Energy Efficient Ethernet

Environmental Regulations:
- Electromagnetic Emissions and Immunity

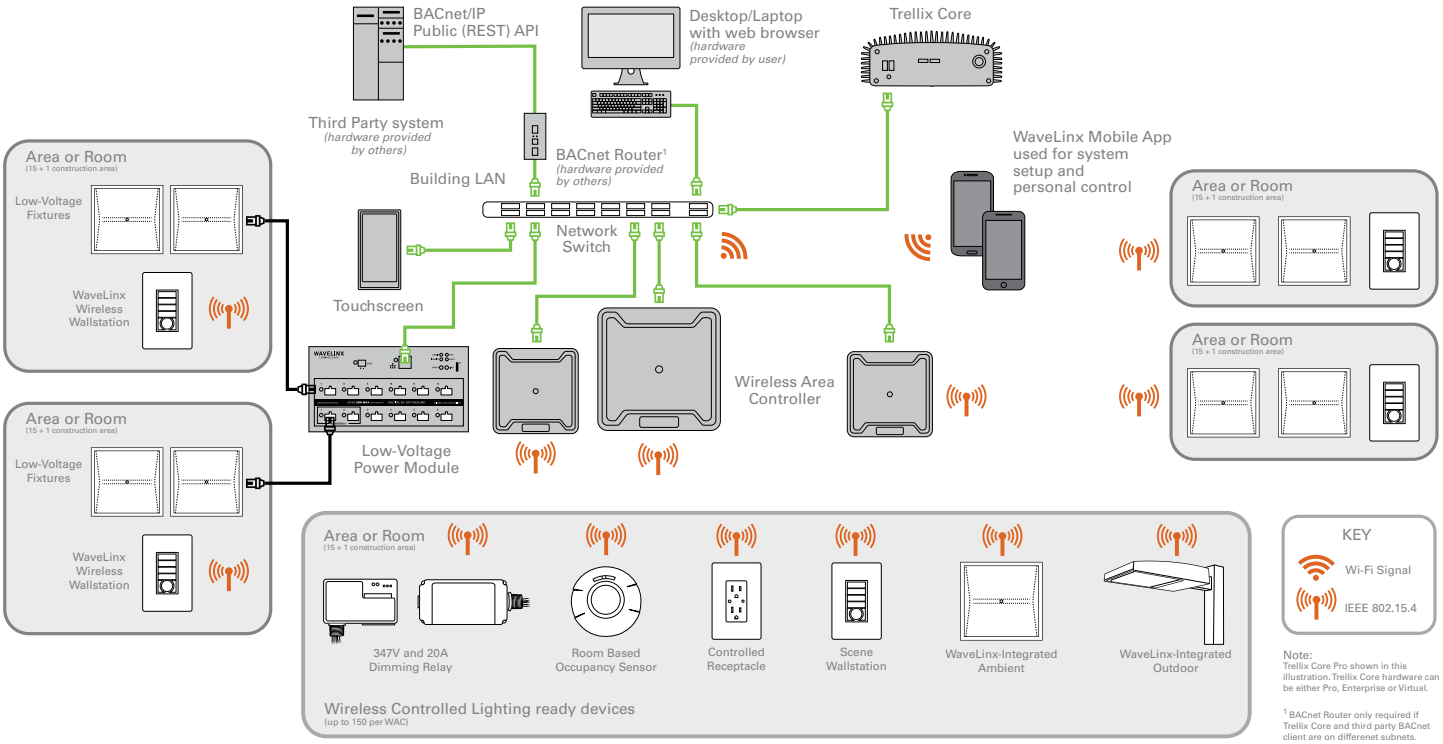
Warranty
Three year warranty

WaveLinx Wireless — Unmanaged Network Switch

System Architecture

This diagram shows the main components of the WaveLinx Wireless Lighting control system. The IP devices, i.e. WaveLinx Area Controllers (WACs), WaveLinx Touchscreen, WaveLinx Low Voltage Power Modules and Trellix Core appliances communicate over a dedicated Local Area Network or Virtual Local Area Controller. The network switch can be provided either by the customer or the GS308P switch can be used to provide network connectivity between devices.

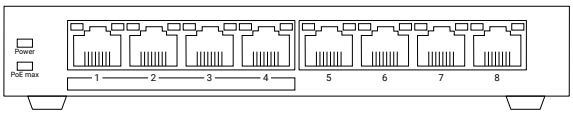
View WaveLinx Network and IT Guidance Technical Guide



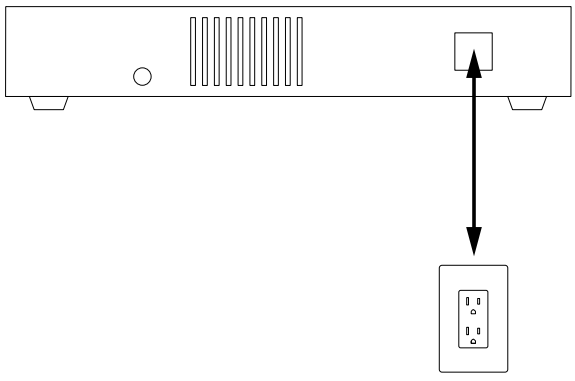
Installation

Step 1: Install the switch on the rack or a wall. The PoE Switch is usually mounted in an electrical or telecom room
Step 2: Connect equipment to using Category 5 or Category 6 cable with terminated RJ-45 connectors.
Connect PoE devices (WACs or Touchscreens) to ports marked "PoE Ports"
Step 3: Connect power adapter to back of switch and plug adapter into 120V AC outlet
Step 4: Check status lights as shown. AVDC - OAA

Front



Back



Power LED
- On (Green)
- Off

PoE LEDs
- PoE Active (Green)
- No PoE use (off)

PoE Fault LED
- PoE Fault (Amber)

PoE Max LED
- Less than 7W of PoE power is available (Amber)
- PoE MAX LED was active in the previous 2 minutes (blinking) (Amber)
- PoE ports are working normally (off)

Port LEDs
- 100 Mbps link (Green) (left LED)
- 10 Mbps link (Green) (right LED)
- Activity (Green) (blinking)
- No link (off)

WaveLinx Wireless — Unmanaged Network Switch

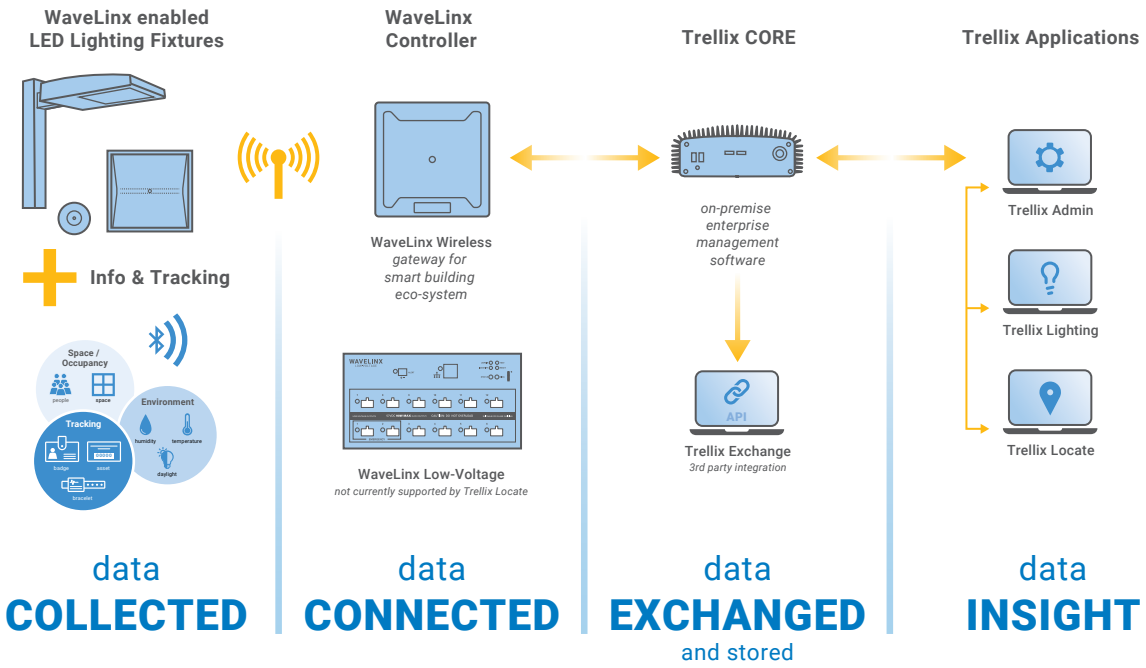
Connected Systems

- Trellix

Better Data. Better Decisions.

Trellix combined with our WaveLinx Connected Lighting System is a distributed network of LED lighting fixtures with integrated sensing and beacon technology that captures
Trellix combined with our WaveLinx Connected Lighting System is a distributed network of LED lighting fixtures with integrated sensing and beacon technology that captures real-time data; making your facility smarter so you can make smarter decisions.

Trellix provides an open IoT platform and infrastructure that connects intelligent sensors leveraging the real-estate of the physical light fixture to solve higher complexity problems in a commercial building to deliver actionable insights through the aggregation of valuable data.



Control Systems

- Trellix
- WaveLinx Wireless

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Specifications and dimensions subject to change without notice.

iLumin Plus

DESCRIPTION

The touchscreen is a flexible device which provides an intuitive "user friendly" method of interfacing to the iLumin Plus control system. The touchscreen provides virtually a limitless flexibility of system control. It is software based, and buttons can be tailored to suit the precise needs of the user.

		Type
Catalog #	TSE55-B	ALC-030
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Key Features

- 5.5 inch (140mm) diagonal backlit capacitive LCD touchscreen
- 1280 X 720 pixel resolution
- Color Depth: 16.7M colours, 450 nits brightness
- Ambient Light sensor
- Fits standard single gang backbox (35mm depth)
- All graphics and buttons can be customized
- Password feature to allow different access levels
- Designed and manufactured to ISO9001:2015 standards
- Portrait or landscape mounting and layout

Functionality

- Scene Selection
- Scene programming
- Channel level indicated with bar graphs and percentage
- Scene and channel naming
- Default screen programming
- Photocell / motion sensor interaction
- Ability to import drawings, customer logos and images as background graphics
- Ability to insert soft buttons for activating scenes and / or channels

TSE55-B
5.5" LCD COLOR TOUCHSCREEN

MECHANICAL

Display: High performance HD, IPS 5.5" LCD, 1280 X 720 resolution

Color Depth: 16.7M colors, 450 nits brightness

Climate Range:

- **Temperature:** +2°C to +40°C
- **Humidity:** +5 to 95% non condensing

ELECTRICAL

Supply: PoE 802.3af complaint or via 24-57Vdc power connector on the rear

Power Connection: RJ45

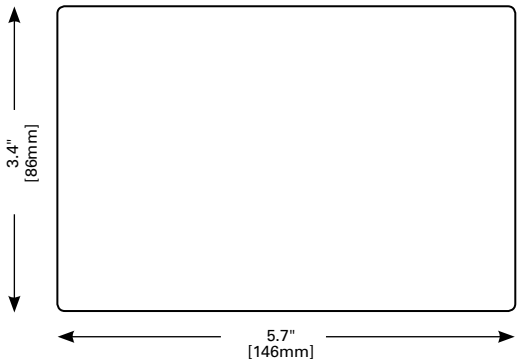
Programming: Eaton's Touchscreen Designer software via Ethernet connection

Diagnostics: network

Memory:

- 1GB DDR3
- 8GB eMMc

DIMENSIONS



CE

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Powering Business Worldwide

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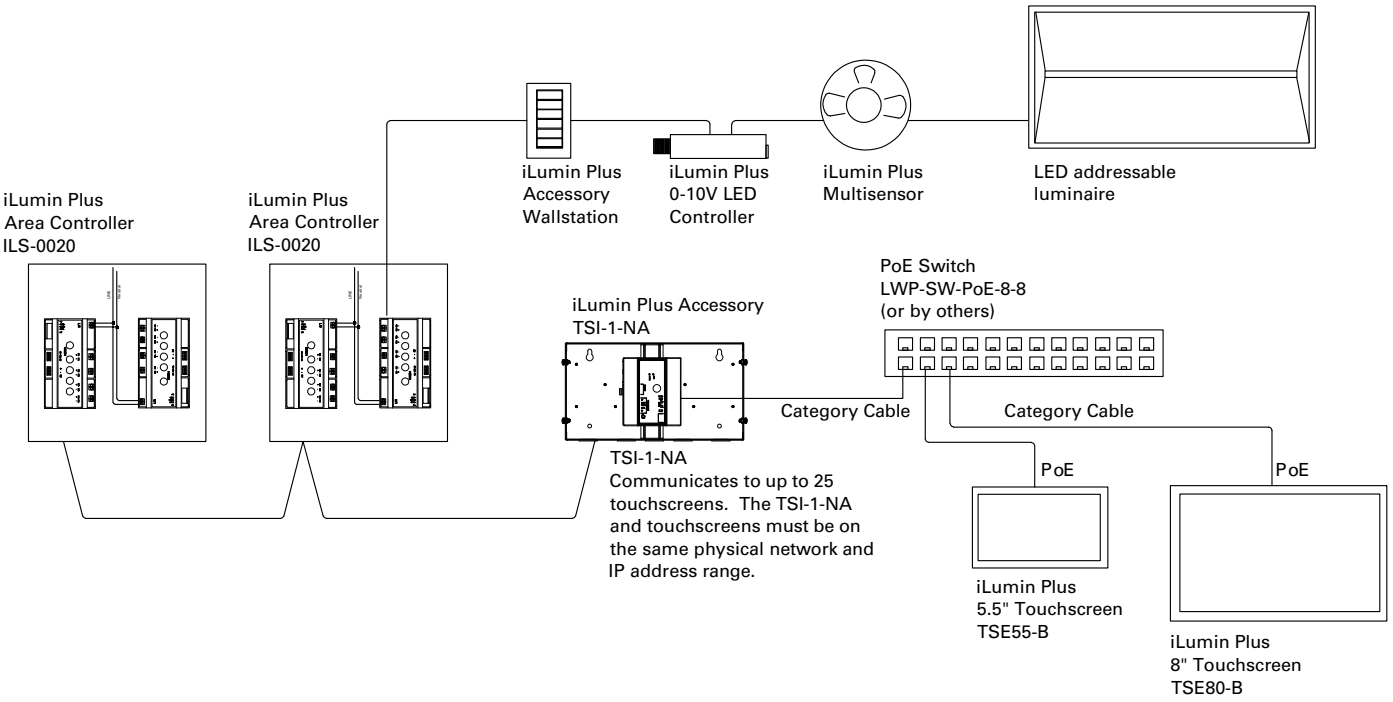
TD503171EN
September 2019

MOUNTING

TYPICAL SCHEMATIC



ORDERING INFORMATION

Catalog No.	Description
TSE55-B	5.5" LED color touchscreen, Black

REQUIRED ACCESSORY

Catalog No.	Description
TSI-1-NA	Touchscreen interface accessory

iLumin Plus

DESCRIPTION

The TSI-1-NA touchscreen Interface acts as a host for TSE55-B and TSE80-B color touchscreens. The TSI-1-NA permits the iLumin Plus touchscreens to control any area on the iLumin Plus network. The TSI-1-NA can coordinate communications with up to 25 touchscreens on one network.

Catalog #	TSI-1-NA	**Type** ALC-030
Project		
Comments		**Date**
Prepared by		

SPECIFICATION FEATURES

Key Features

- Connects iLumin Plus TSE55-B and TSE80-B touchscreens to the iLumin Plus network
- Connects up to 25 screens to keep them in sync for multiple screen applications and app control
- Configurable IP address
- Designed and manufactured to ISO 9001:2008 standards

MECHANICAL

Weight: 2.2 lbs (1 kg)

Climate Range:

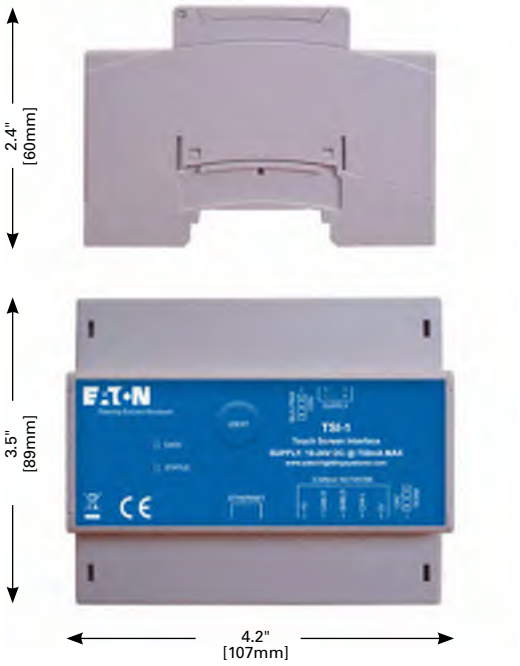
- **Temperature:** +2°C to +50°C
  All enclosures must be adequately ventilated
- **Max storage temperature:** +60°C
- **Humidity:** +5 to 95% non condensing
- **Environmental protection:** IP20

ELECTRICAL

Power: Aux 24VDC input or Powered directly from the iLumin Plus network

Power supply is field selectable by jumper

DIMENSIONS



TSI-1-NA
TOUCHSCREEN
INTERFACE

CE

Eaton
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.eaton.com/lighting

Powering Business Worldwide

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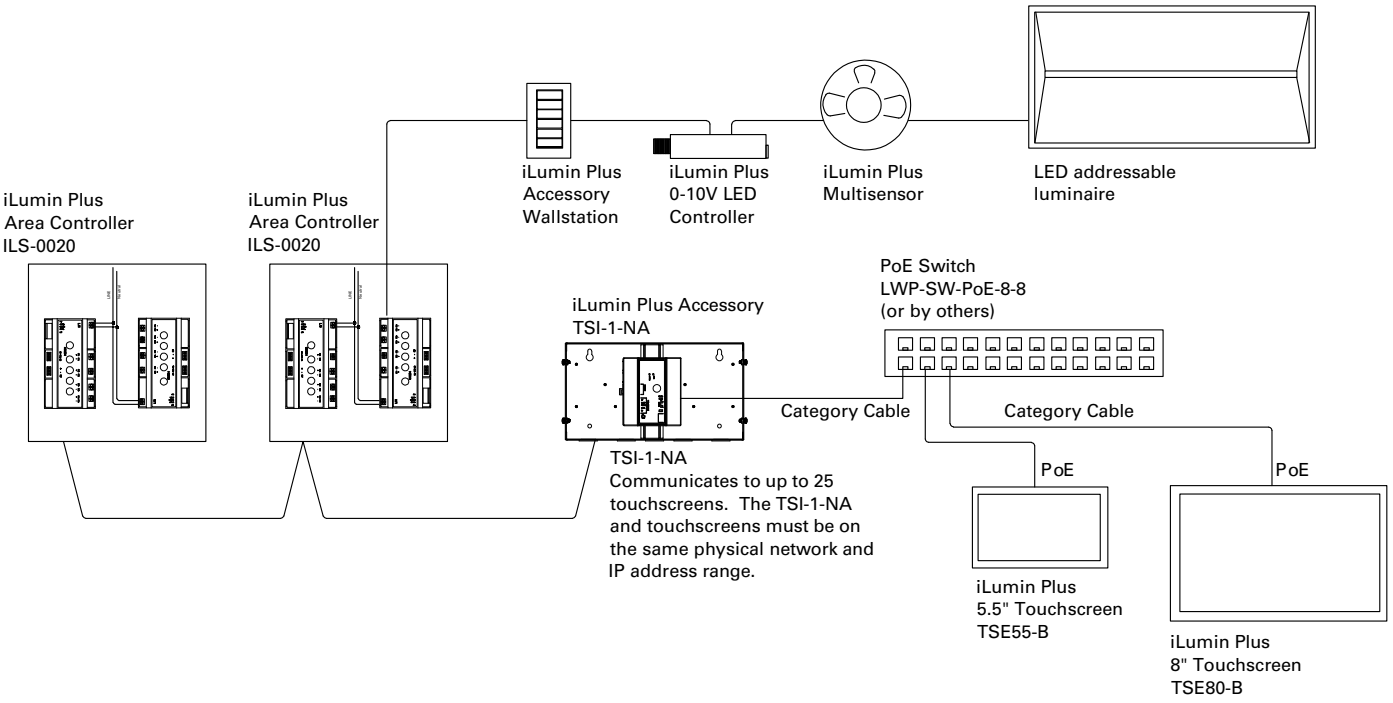
PS503098EN
September 2019

TYPICAL SCHEMATIC



ORDERING INFORMATION

Catalog No.	Description
TSI-1-NA	TSE Touchscreen Interface (required for TSE touchscreen control)

iLumin Plus

DESCRIPTION

Eaton's iLumin Plus software includes a set of applications and tools that facilitate the setup, configuration, performance tuning and management of iLumin Plus Area Controllers and their associated devices. Using this Microsoft Windows™ based software, commissioning and facility management personnel can create areas, scenes, schedules and view the status of devices in the iLumin Plus network.

		Type
Catalog #		ALC-030
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Key Features

- Auto device scan and detection
- Define lighting areas, sense and zones
- Occupancy detection configuration
- Daylight harvesting configuration
- Receptacle control
- Control sequencing
- Time scheduling
- Control panel screen editor
- Partitioning setup
- Demand response settings
- Device monitoring
- Smart Phone configuration
- Personal control setup

ILUMIN PLUS
SOFTWARE

HARDWARE

Recommended minimum hardware:
Operating System: Microsoft Windows 7 or higher
Hard Disk: 320GB HDD, 500MB for applications
Memory: 8GB DRAM minimum
Ports: USB

USER INTERFACE EXAMPLES

Device Editor module: Device configuration and addressing
Scheduler module: Provides enterprise level centralized scheduling tool
Panel Editor module: Enables user graphic screen control of areas and scenes
Daylight Engines: Simple visualization of daylight and occupancy sensor control and time out period

ORDERING INFOMATION

iLumin Plus software is ordered as part of the iLumin Plus system. At least one instance of the iLumin Plus software should be provided for each installed location.

Catalog No.	Description
SOFT-ILP	iLumin Plus software
ILP-SCREENS	Eaton configured visualization screens for the Panel Editor module (does not include floor plan control)

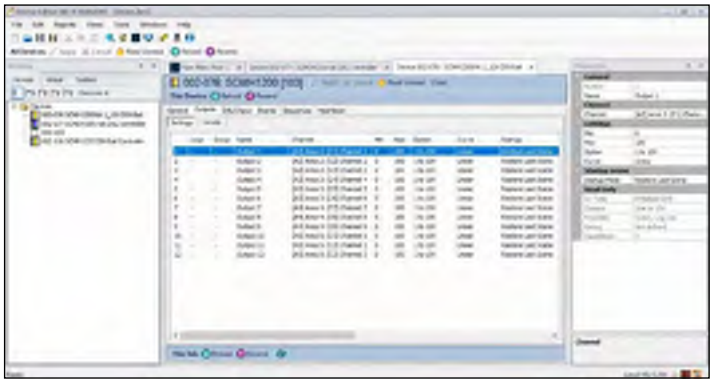
Powering Business Worldwide

Eaton
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.eaton.com/lighting

Specifications and dimensions subject to change without notice.

SCREEN EXAMPLES

1. Device Editor screen examples



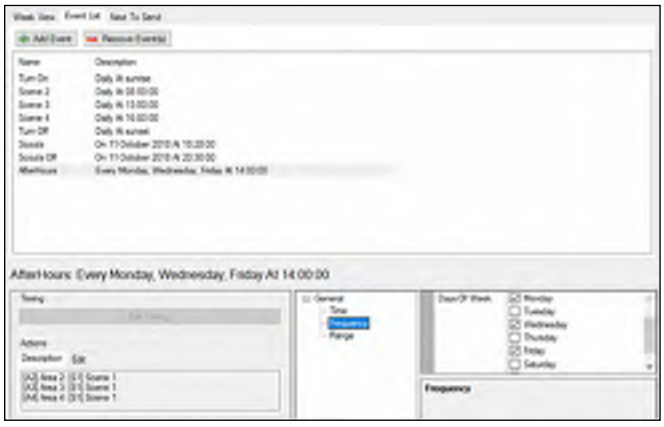
Note:

- Easily define areas, zones and scenes
- Map control outputs to DMX input channels
- See all devices on the lighting control network
- Develop powerful advanced control sequences
- Program basic time schedules

Note:

- Addressing tool provides automatic addressing of devices on the two wire communications bus.
- Easily re-address devices without effecting device programming

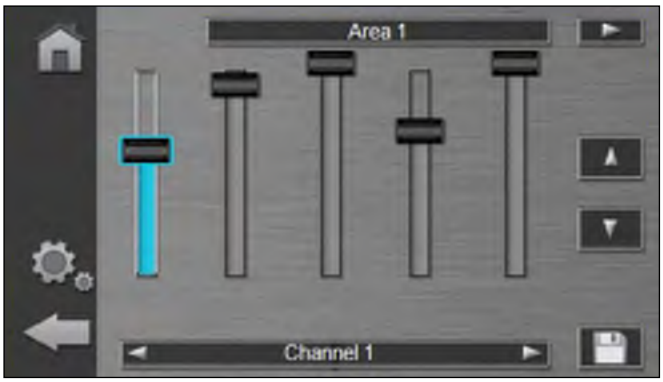
2. Scheduler screen examples



Note:

- Enterprise level scheduling
- Weekly, monthly time schedule views with sun up, sun down time icons
- Seven day scheduling, with holiday and reoccuring schedule events

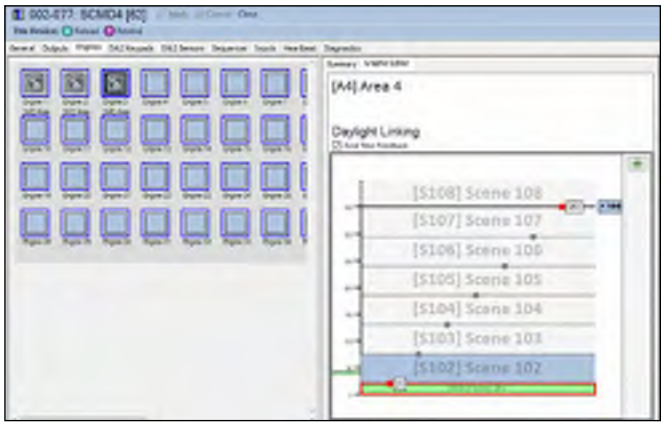
3. Panel Editor screen examples



Note:

- Sample ILP-SCREENS defined by programming technician
- Provides user control via laptop, PC or touchscreen display
- Allows authorized user to modify and save scenes for the system

4. Daylight Engines screen example



Note:

- Multiple engines available per system providing Occupancy and Daylight sensor profiles.
- Visual representation of daylighting light level control
- Visual representation of occupancy sensor activation and time out period.
- Visual method to assign first and second occupancy sensor timeouts

ILUMIN
INTELLIGENT CONTROLS

CLS

Wallstations - Ineo

Features

Electrical

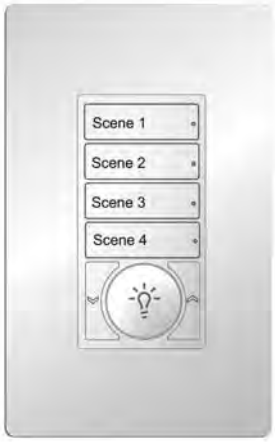
- 12Vdc supply voltage via the network
- iCANnet connection: Screw terminals with two part connectors, able to accept 16AWG (1.5mm^2) stranded or solid wire
- Flash memory for future proof upgradeability
- Variable fade times programmable from 0.1seconds to 60 minutes per button
- Built-in infrared receiver with learnable remote codes.
- Network Communication using iCANnet (CANbus)
- A range of ten standard wall station templates can be selected via the Source Controller for easy configuration
- Using iCANsoft each button can be individually configured to perform a variety of functions
- Tested to withstand 12kV electro-static discharge without damage or memory loss.
- Configuration
    - o Universal module allows for 10 unique button inserts to be added at any time and configured through Source Controller programmer or iCANsoft.

Mechanical

- 4 different styles of button caps that can be used to construct a wide range of derivatives for scene, raise, lower and on / off functionality
- Choice of large or small button caps
- Buttons available with standard or custom engraving
- On/ Off switch (where fitted). A double tap of the On/Off switch overrides the fade time
- Suitable for standard single and multi-gang NEMA wall box with decorator style wallplate
- All plastic construction with a separate decorator style snap-on surround

Environmental Data

- Temperature Range: 32°F to 104°F (0°C to 40°C)
- Humidity: 0% - 95% non-condensing



Overview

Ineo is the specification grade range of wallstations that combine the easiest user interface in the industry with a large circular on/off button, a universal module with up to 10 button configurations, large or small button options, and engraving.

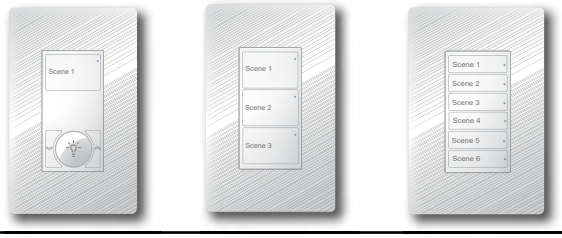
Designed to fit with standard decorator wallplates, Ineo wallstations can be ganged together to meet specific project needs. Individual buttons have backlight indicator lights and strong tactile feedback.

Ineo is the clean, elegant, and simple way to control lighting on your project.

Button functionality

Using iCANsoft each button can be configured to perform the following functions:

- Scene selection
- Scene raise / lower
- Channel raise / lower
- Toggle on / off
- Open / close (for curtains & blinds)
- Raise / lower (motorized screens / blinds)
- Sequence control (16 sequences with up to 128 steps)



www.coopercontrol.com
203 Cooper Circle
Peachtree City, GA 30269
P: 800-553-3879
F: 800-954-7016

Catalog#	Project
CLS-6TSB-W-IR	
Prepared by	Date

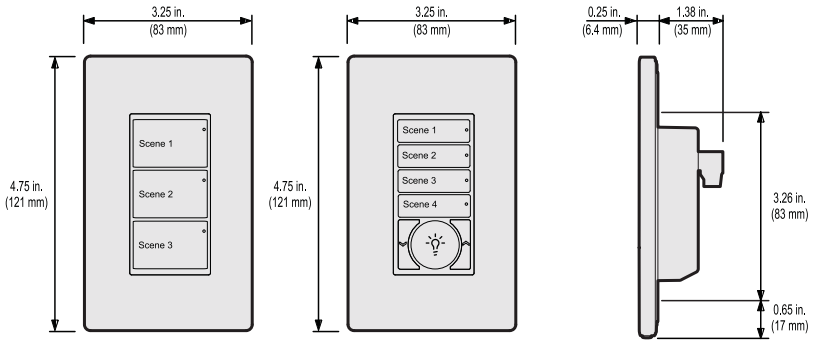
COOPER Controls

ILUMIN
INTELLIGENT CONTROLS

CLS

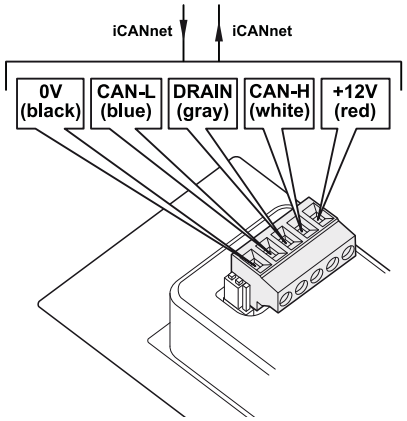
Wallstations - Ineo

Dimensions



- 10 button insert options
- Mounts to standard NEMA style Wallbox , standard decorator insert size

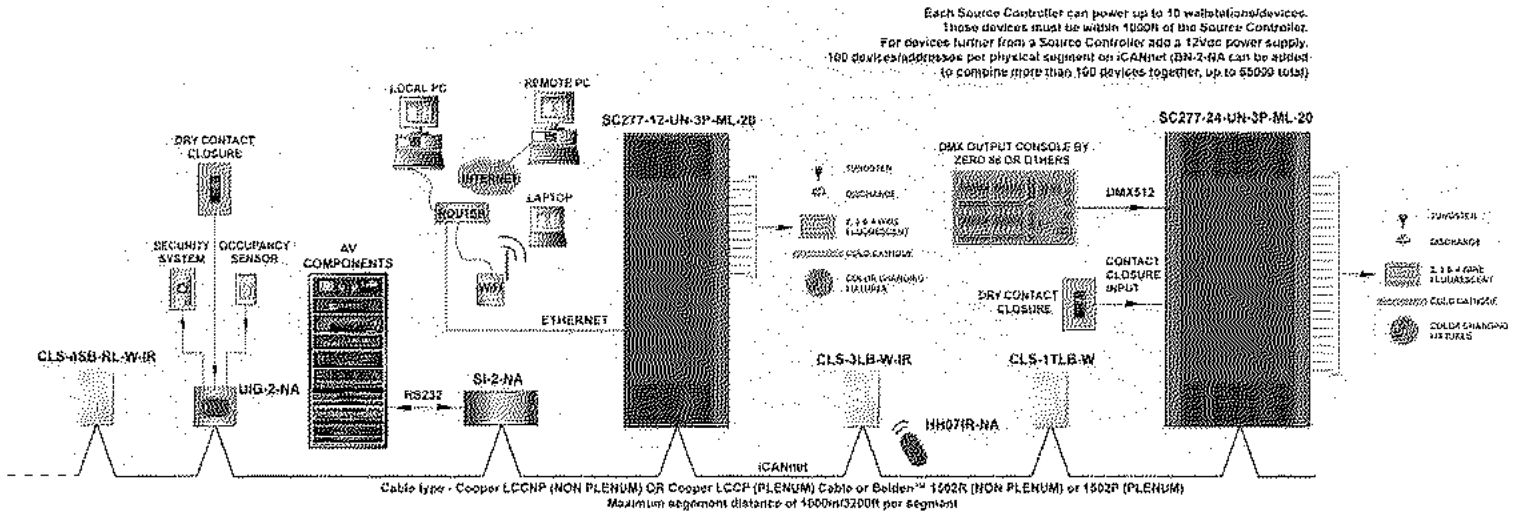
Wiring Diagram



iCANnet cable type - Cooper LCCNP (Non Plenum) or Cooper LCCP (Plenum) or Belden™1502R (Non Plenum) or 1502P Plenum)

Wallstations require power from a Source Controller or a 12Vdc power supply. 100 devices per physical segment on iCANnet, maximum segment distance of 1000m/3200ft. BN-2-NA can be added to combine more than 100 devices togehter, up to 65,000 devices total.

Sample System Topology



www.coopercontrol.com
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Peachtree City, GA 30269
P: 800-553-3879
F: 800-954-7016

COOPER Controls

iLUMIN INTELLIGENT CONTROLS

CLS

Wallstations - Ineo

Standard Button Arrangements	
Description	**Image**
1 Large button CLS-1-TLB-W	
1 Large button Raise & Lower On / Off CLS-1-TLB-RL-W	
2 Large buttons CLS-2-TLB-W	
2 Large buttons On / Off CLS-2-TLB-RL-W	
3 Large buttons On / Off CLS-3-TLB-W	
2 Small buttons CLS-2-TSB-W	
2 Small buttons On / Off Raise & Lower CLS-2-TSB-RL-W	
4 Small buttons CLS-4-TSB-W	
4 Small buttons On / Off Raise & Lower CLS-4-TSB-RL-W	
6 Small buttons CLS-6-TSB-W	

Standard Colors and Finishes			
Color	White	Black	Ivory
Code	W	B	V

Ordering

CL S - 1 - T - LB - RL - W - IR - T1

CL
Cooper iLumin

Family
S Ineo

Number of buttons

Button Position
T Top

Button size
LB Large buttons
SB Small buttons

Raise / Lower / On/Off
Blank Not fitted
RL fitted

Color
W White **B** Black **V** Ivory

IR Receiver
- Not fitted
IR Fitted

Standard Text offerings can be selected by adding one of the below to the model number.
Blank Scene 1, Scene 2 etc.
T1 - Preset 1, Preset 2 etc.
T2 - General, Meeting, Seminar, Lecture
T3 - Lunch, Cocktails, Dinner, Special

CUSTOM TEXT AVAILABLE. PLEASE CONTACT YOUR LOCAL AGENT FOR MORE INFORMATION.

www.coopercontrol.com
203 Cooper Circle
Peachtree City, GA 30269
P: 800-553-3879
F: 800-954-7016

COOPER Controls

Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALC-030-SI

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Lighting Controls
Item Type	Master Dimming System
Description	Centralized Dimming System - Lighting Control Channel Source Controller and Touch Screen
Manufacturer	Signify / Dynalite
Model	Load Controllers: DDRC1220FR-GL, DDMC802, DDBC1200, DDBC120-DALI, DMC2, DDLED605; Touch Screen: PDTS; 6 Button Control Station: PA6BPA; Timeclock: PDEG; Occupancy & Daylight sensor: DUS360CR, DUS804CS-UP-NA; Refer to Design Guideline Drawing Criteria for Lighting
Color	Controls - White
CSI #	260933 - Central Dimming Controls
Omniclass #	22 -260933 - Central Dimming Controls
Lead Time	To be verified
Warranty	Standard product warranty based on date of product shipment. See product documentation for standard warranty information.
Notes	Certified Factory Startup Scheduled Commissioning trip and training by Signify Lighting Systems Factory Rep.

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS

Optionally separate from centralized system. Lights to be controlled with occupancy sensors to provide 50% dimming when unoccupied.

MANUFACTURER

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

ALTERNATE MANUFACTURER 2

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

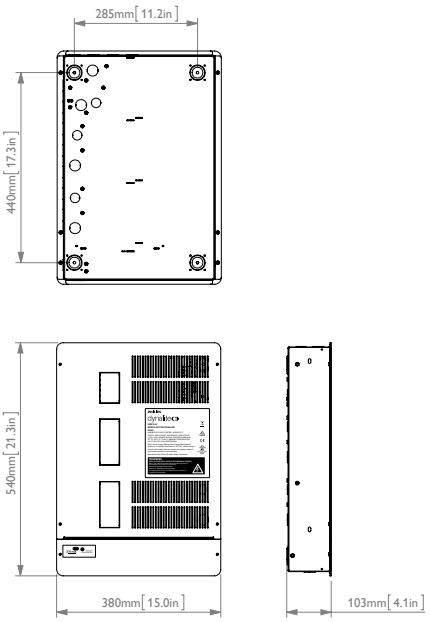
AREAS

Lobby
Reception
Welcome Desk
Hub
Community
Buffet
Dining
In-A-Pinch

DMC2-UL Multipurpose Modular Controller

Control different load types with one device

The Philips Dynalite DMC2 provides multichannel control via two interchangeable modules. The device is available with a variety of control modules to handle various load types and capacities. This model is suitable for use in UL markets.



- Single controller solution — Control a multitude of load types from one device, suited to any segment requiring indoor lighting or relay control.
- Phase cut dimmer module — Selectable per channel for Leading or Trailing Edge output. Compatible with most dimming loads.
- Driver control module — Suitable for controlling 1-10V, DSI and DALI Broadcast drivers. A built-in relay removes power when channel level is at 0%.
- Relay control module — Suitable for controlling most types of switched loads.
- Flexible mounting solution — Surface or recess mountable enclosure.
- Passive cooling — Fanless design reduces noise, power consumption and maintenance costs.

For detailed product information, please refer to the product information pages at http://www.lighting.philips.com/

PHILIPS

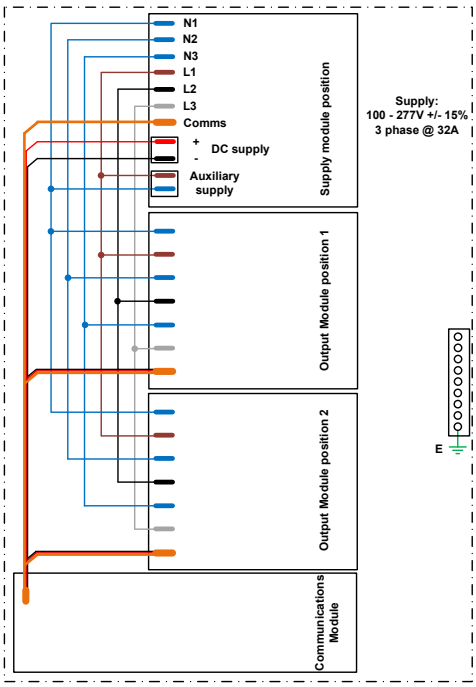
dynalite

Specifications

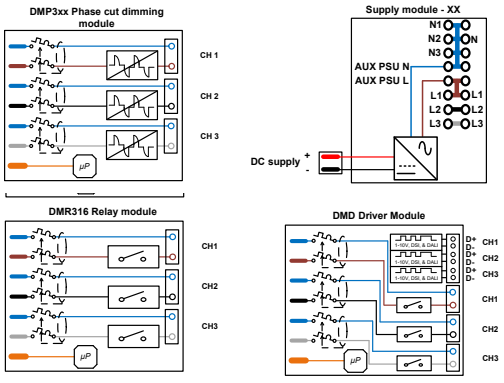
Due to continuous improvements and innovations, specifications may change without notice.

Item	Specification	Details
Electrical	Input Voltage	120/208, 230/400, 277/480 VAC (+10% / -15%)
	Input Current	32A per phase or single phase 63A max
	Input Frequency	50/60Hz 3-Phase Y
	DyNet DC Supply	12/24VDC (selectable) @ max 200mA (Class 2)
	Control Modules	**DMD316-UL***: 3 x 16A 1-10 V, DSI or DALI broadcast 1-10V: 50mA sink/source, max 100 drivers per channel DALI/DSI: 16VDC 130mA nom. max drivers: 64 per channel (192 per module) max current: 190mA per channel **DMP310-GL-UL***: 3 x 10A Leading/Trailing Edge dimming Maximum module output 14A Current limited to 4.3A per channel at 277V Regulating Device: dual MOSFETs – 83A, 650V, 297A surge **DMR316-UL***: 3 x 16A relay (lighting and resistive load) 1HP (120V), 2HP (230/277V) (motor load) Inrush current rating: 500A for 200µs * Line, Neutral for each channel, 1 x 16mm² (#6-20 AWG) conductor size * Protection: 3 x dual pole 20A UL489 listed circuit breaker
Control	Communication Module	One RS-485 DyNet serial port (1 x 5-way pluggable screw terminal + 3 x RJ-12 sockets) One DMX512 Rx port Four programmable dry contact AUX inputs (non-isolated) One UL924 trigger input* Service switch Diagnostic LED Channel override keypad *This function must only be used with systems complying to UL924, and must not be used with any other system
	Diagnostic Functions	Device online/offline status Channel on/off/faulty status DyNet Watchdog
Physical	Supply Module	Line 1, Line 2, Line 3, Neutral 1x16mm² (#6-20 AWG) max conductor size. Earth link bar provided
	Dimensions (H x W x D)	540mm(21.3") x 380mm (15") x 103mm (4.1")
	Packed Weight	DMC2 8.9kg (19.6lbs) DSM2-XX 1.1kg (2.4lbs) DCM-DyNet 0.8kg (1.8lbs) DMR31X 1.7kg (3.7lbs) DMD31X 1.8kg (4lbs) DMP310-GL 2.1kg (4.6lbs)
	Construction	Galvanized steel case with powder coated front covers
	Operating Conditions	Temperature: 0 to 40°C (32 to 104°F) ambient Humidity: 0 to 95% non-condensing
	Storage & Transport	Temperature: -25 to 60°C (-13 to 140°F) ambient Humidity: 0 to 90% non-condensing
Certification	Certification	UL, CSA, CE, RCM, FCC, ICES-003 OSHPD ICC-ES AC156 standard for seismic testing Overvoltage category III, Pollution Degree II
Options & Ordering	Naming Format	DMC2-UL (Philips 12NC - 913703666009) DMD316-UL (Philips 12NC - 913703667509) DMP310-GL-UL (Philips 12NC - 913703667609) DMR316-UL (Philips 12NC - 913703667409) DCM-DyNet (Philips 12NC - 913703666209) DSM2-XX (Philips 12NC - 913703500509)

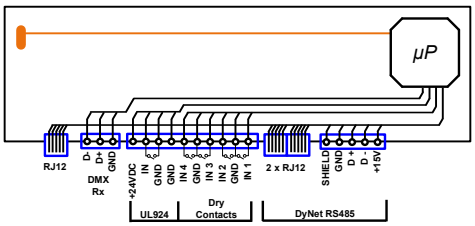
Electrical Diagrams



Electrical Diagram modules



Communications Module



Philips Lighting North America
200 Franklin Square Dr
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Tel: 1-800-526-2731
Email: controls.support@philips.com
Web: www.philips.com/lightingcontrolsna

Philips Lighting Canada
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Markham, Ontario L6C 2S3
Canada

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PHILIPS
dynalite

Signal Dimmers

DDBC516FR

Signal Dimmer Controller

Flexible control of 1-10 V and DALI drivers

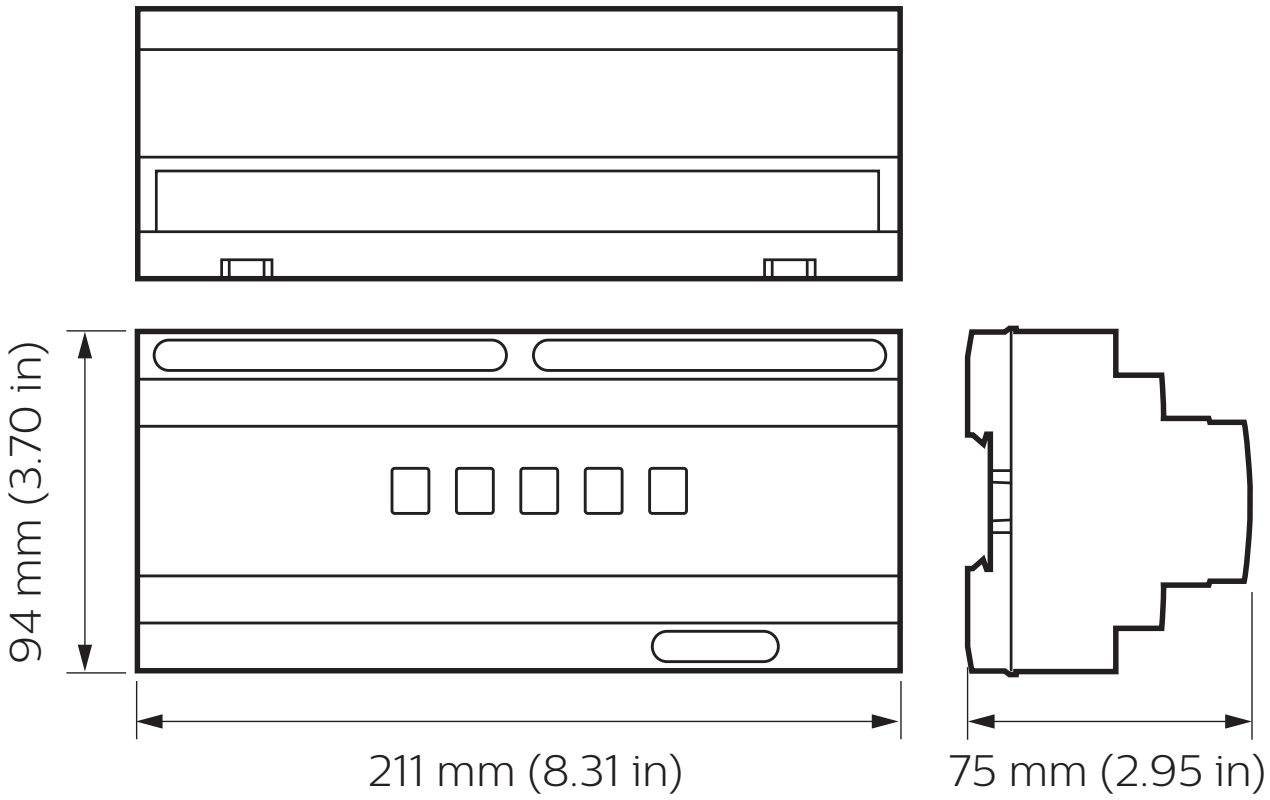
The Philips Dynalite DDBC516FR is a five-channel device for controlling DALI drivers. Each control output is selectable to DALI broadcast, DALI addressed, 1-10 V or DSI.

DDBC516FR

Flexible control of 1-10 V and DALI drivers

- **Multiple protocols supported** – Each of the five control outputs supports DALI broadcast (maximum ten DALI loads/channel), DALI addressed (maximum ten DALI loads/channel), 1-10 V (maximum 10 mA sink or source/channel) or DSI (maximum five DSI loads/channel).
- **Built-in energy savings** – Control signals can be programmed to operate in tandem with five internal switched outputs, which will automatically isolate the power circuit when all associated channels are at 0%. This is a useful feature as DALI drivers still draw significant power when lamps are turned off via a DALI command.
- **Integral DALI bus power supply** – Removes the need for an additional external device.
- **Flexible mounting solution** – A DIN-rail mountable device, designed to be installed into the distribution board supplying power to the controlled circuit.
- **Inbuilt diagnostic functionality** – Features lamp and driver failure reporting, driver run time tracking for each driver and the switched output, as well as Device Online/Offline status indication.

Dimensions



Specifications

Due to continuous improvements and innovations, specifications may change without notice.

DDBC516FR
Signal Dimmer Controller

Electrical

Supply Type	Single-Phase
Supply Voltage	100-240 VAC
Supply Current	0.15 A
DyNet DC Output Voltage	12 VDC
DyNet DC Output Current	200 mA
Switched Outputs	5 x 16 A feed-through
Maximum CH-CH Voltage	400 VAC (CE) 300 VAC (UL)
IEC Overvoltage Category	III

Control

Serial Ports	1 x RS-485
Supported Protocols	DyNet
Control Channel Outputs	5 (DALI Broadcast, DALI Addressed, DSI or 1-10 V)
Dry Contact Inputs	1 (AUX)
User Input	1 x service switch 5 x channel override
Indicators	1 x diagnostic LED 5 x channel status LED
Diagnostic Functions*	Lamp failure reporting Driver failure reporting Driver runtime tracking Device online/offline status

Physical

Dimensions (H x W x D)	94 x 211 x 75 mm (3.70 x 8.31 x 2.95 in)
Packed Weight	0.8 kg (1.76 lb)
Construction	Polycarbonate DIN rail enclosure (12 unit)
Serial Ports	2 x RJ12 1 x 6-way pluggable screw terminal
Serial Port Conductor Size	2.5 mm^2 (#12 AWG) (max)
Supply Terminals	3 x screw terminal Line, Neutral, Earth
Supply Terminal Conductor Size	5 mm^2 (#10 AWG) (max)
Control Terminals	5 x 2-way screw terminal DA-, DA+
Control Terminal Conductor Size	2.5 mm^2 (#12 AWG) (max)
Output Terminals	5 x 2-way screw terminal IN, OUT
Output Terminal Conductor Size	5 mm^2 (#10 AWG) (max)

Environment

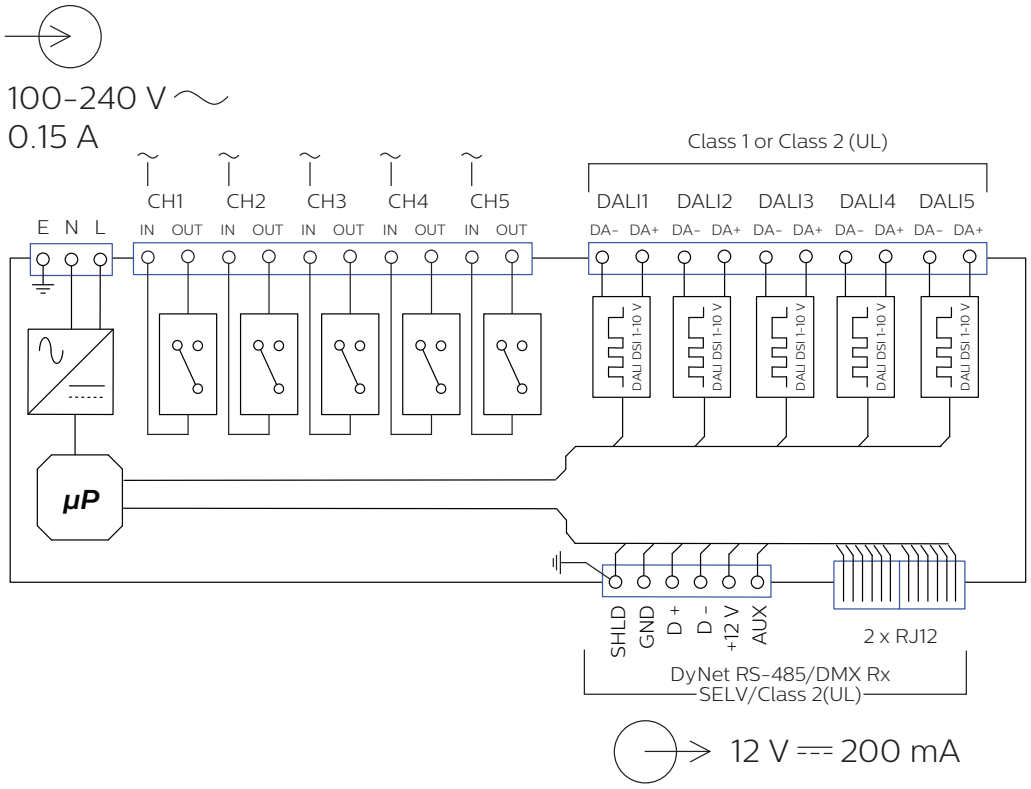
Operating Temperature	0° to 40°C ambient (32° to 104°F)
Storage/Transport Temperature	-25° to 70°C ambient (-13° to 158°F)
Relative Humidity	0 to 90% non-condensing
IEC Pollution Degree	II

Compliance

Certification	CE, RCM, UL, FCC, ICES, RoHS

* Philips Dynalite System Manager required for analyzing diagnostic data. The availability of some diagnostics is dependent on driver type.

Electrical



Control Channel Ratings

DALI/DSI	Channel	Device
Output Voltage	15 VDC	
Guaranteed Current	20 mA	
Maximum Current	250 mA	
Maximum Drivers	10	50
Insulation	Basic	

1-10 V	Channel
Current	sink 10 mA source 10 mA

Output Channel Ratings

Load Type	Maximum Rating per Output
	CH1-CH5
Electronic Ballast	16 A, 277 VAC
Inrush Current	500 A
Box Load	80 A

Ordering Code

Product	Philips 12NC
DDBC516FR	913703031509

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PHILIPS
dynalite

Signal Dimmers

DDBC1200

Signal Dimmer Controller

Multi-protocol control solution

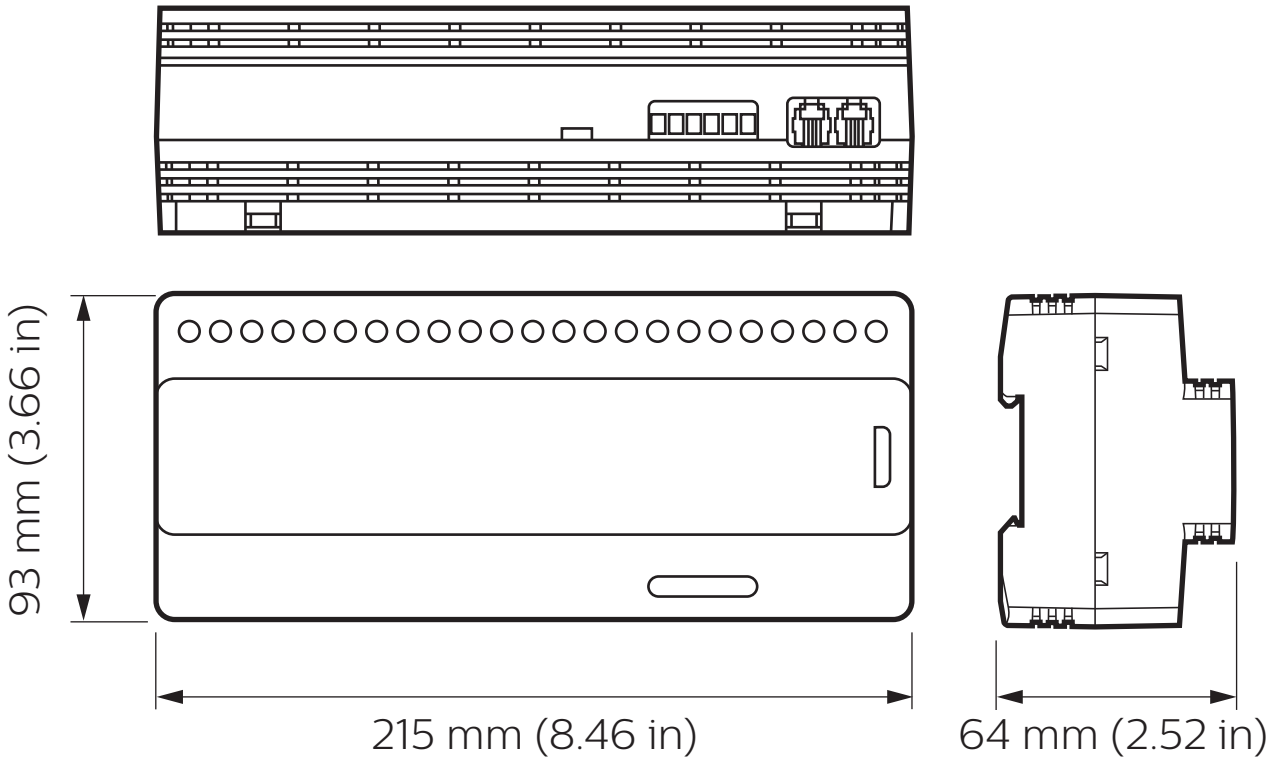
The Philips Dynalite DDBC1200 features 12 independent output channels, each selectable to DALI Broadcast, 0-10 V, or DSI control.

DDBC1200

Multi-protocol control solution

- **Multiple protocols supported** – Compatible with a range of fittings and devices including; DSI drivers, DSI electronic low voltage transformers, DALI drivers (broadcast mode only), DALI electronic low voltage transformers (broadcast mode only), 0-10 V drivers, and devices that require 0-10 V analog control signals.
- **LED status indicators** – Instant visual feedback on channel status of all 12 outputs.
- **Flexible mounting solution** – A DIN-rail mountable device, designed to be installed into the distribution board supplying power to the controlled lighting circuit.
- **Inbuilt diagnostic functionality** – Features Device Online/Offline status indication.

Dimensions



Specifications

Due to continuous improvements and innovations, specifications may change without notice.

DDBC1200
Signal Dimmer Controller

Electrical

Supply Type	Single-Phase
Supply Voltage	100-240 VAC
Supply Current	0.5 A
DyNet DC Output Voltage	12 VDC
DyNet DC Output Current	200 mA
IEC Overvoltage Category	III

Control

Serial Ports	1 x RS-485
Supported Protocols	DyNet DMX Rx
DMX Rx Channels	12
Control Channel Outputs	12 (DALI Broadcast, DSI or 0-10 V)
Dry Contact Inputs	1 (AUX)
User Input	1 x service switch 12 x channel override
Indicators	1 x diagnostic LED 12 x channel status LED
Diagnostic Functions	Device online/offline status

Physical

Dimensions (H x W x D)	93 x 215 x 64 mm (3.66 x 8.46 x 2.52 in)
Packed Weight	0.54 kg (1.19 lb)
Construction	Polycarbonate DIN rail enclosure (12 unit)
Serial Ports	2 x RJ12 1 x 6-way pluggable screw terminal
Serial Port Conductor Size	2.5 mm^2 (#12 AWG) (max)
Supply Terminals	3 x screw terminal Line, Neutral, Earth
Supply Terminal Conductor Size	5 mm^2 (#10 AWG) (max)
Control Terminals	12 x 2-way screw terminal DA-, DA+
Control Terminal Conductor Size	5 mm^2 (#10 AWG) (max)

Environment*

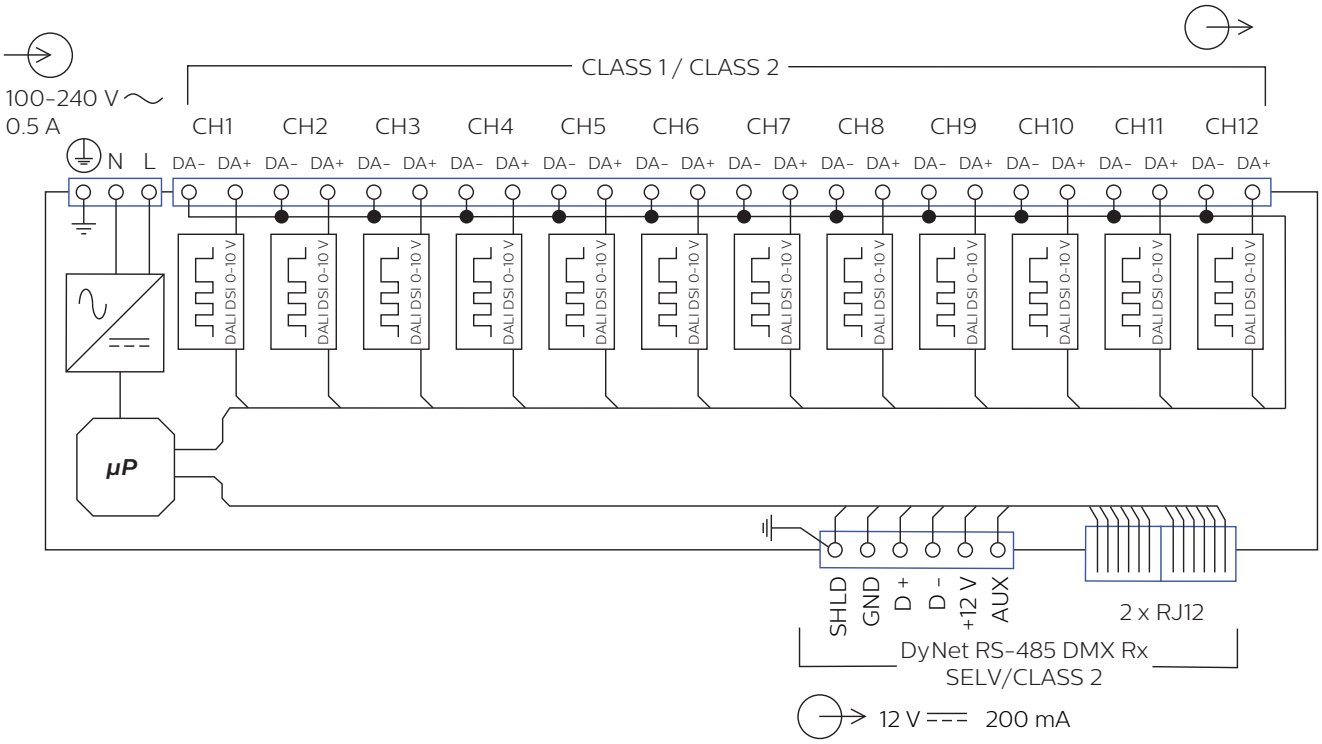
Operating Temperature	0° to 40°C ambient (32° to 104°F)
Storage/Transport Temperature	-25° to 70°C ambient (-13° to 158°F)
Relative Humidity	0 to 90% non-condensing
IEC Pollution Degree	II

Compliance

Certification	CE, RCM, UL/cUL, FCC, ICES, UKCA, RoHS

* For indoor installation only

Electrical



Control Channel Ratings

DALI/DSI	Channel	Device
Output Voltage	14 VDC	
Guaranteed Current	160 mA	
Maximum Current	250 mA	
Maximum DALI Drivers	80	300
Maximum DSI Drivers	80	300
Insulation	Basic	

1-10 V	Channel
Current	sink 50 mA source 50 mA

Ordering Code

Product	Philips 12NC
DDBC1200	913703333909

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ALC-030-SI

PHILIPS
dynalite

Network Devices

DH2X24

DIN Rail Enclosure

Safe, flexible housing for DIN rail devices

The Philips Dynalite DH2X24 is a wall-mounted enclosure with two 24-unit DIN rails, designed for easy mounting and housing of Dynalite DIN rail products.

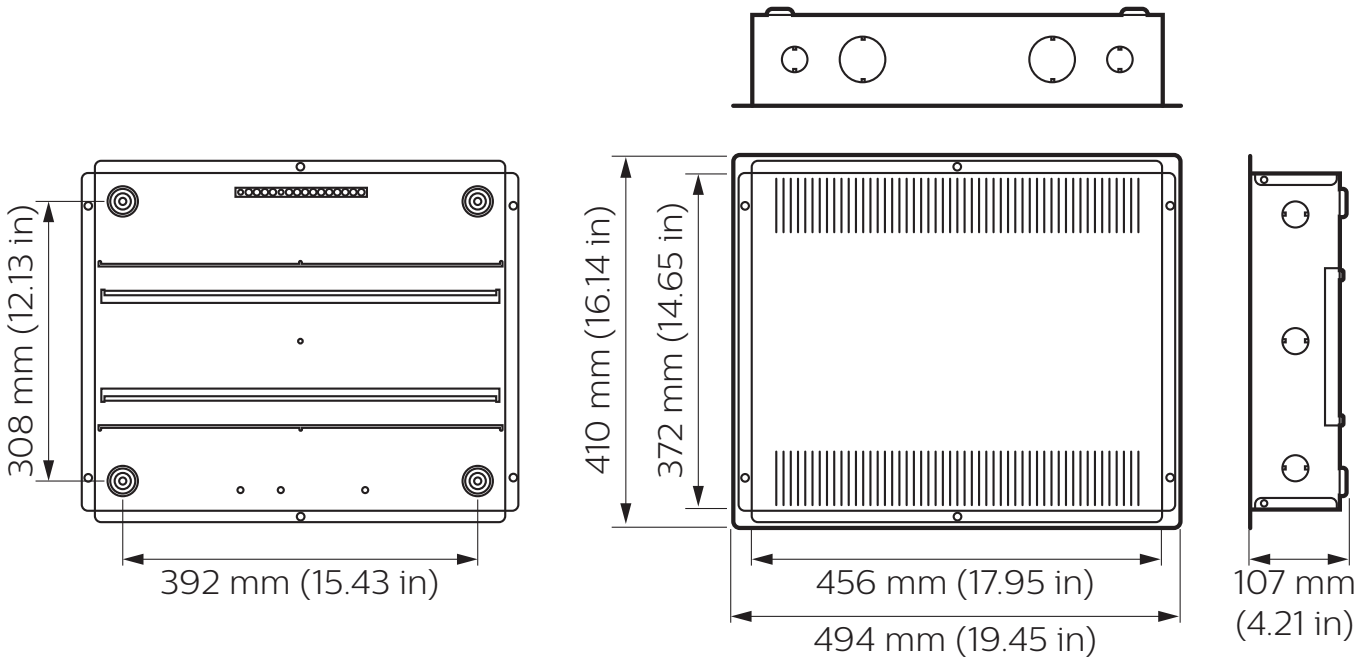
The enclosure includes a removable front cover, removable DIN rail plate, and a variety of cabling knockouts along the side, top and bottom for safe and convenient installation.

DH2X24

Safe, flexible housing for DIN rail devices

- **Galvanized steel body** – Extremely durable construction, designed to keep housed devices safe.
- **Passive cooling** – Sufficient ventilation to accommodate any combination of Dynalite DIN rail dimming controllers at up to 70% of their rated loads.
- **Removable DIN rail plate** – Allows you to mount devices outside of the enclosure, or run wiring behind the plate to maintain segregation.
- **Designed to hold up to four 12-unit DIN rail devices** – or any combination of smaller devices, up to 24 units per rail.

Dimensions



Specifications

Due to continuous improvements and innovations, specifications may change without notice.

DH2X24
DIN Rail Enclosure

Electrical Safety

Maximum Voltage	230/400 VAC max (CE), 300 VAC max (UL).
Maximum Current	125 A

Physical

Dimensions (H x W x D)	410 x 494 x 107 mm (16.14 x 19.45 x 4.21 in)
Packed Weight	6.3 kg (13.89 lb)
Construction	Galvanized steel enclosure Powder-coated front cover
Cable Entry Knockouts*	10 x Ø 28 mm (1.11 in) 4 x Ø 50 mm (1.97 in)

Earth Bar Torque Ratings

#14-10 AWG	2.26 Nm (20 Lb-in)
#8 AWG	2.82 Nm (25 Lb-in)
#6-4 AWG	3.95 Nm (35 Lb-in)
#3-2/0 AWG	5.65 Nm (50 Lb-in)

Compliance

Certification	CE, RCM, UL/cUL, RoHS

* Ø 28.2 mm (1.11 in) knockout is suitable for ¾ inch conduit
Ø 50 mm (1.97 in) knockout is suitable for 1½ inch conduit

Controller De-rating

- Each Philips Dynalite controller housed in the DH2X24 must be de-rated to a maximum of 70% of its rated load.
- The prospective short-circuit current must not exceed 10 kA, unless protected by a current limiting device with a maximum cut-off current of 17 kA.

Ordering Code

Product	Philips 12NC
DH2X24	913703339909

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ALC-030-SI

PHILIPS
dynalite

Sensors

DUS360CR

Multifunction Sensor

Low profile recessed 360° ceiling sensor

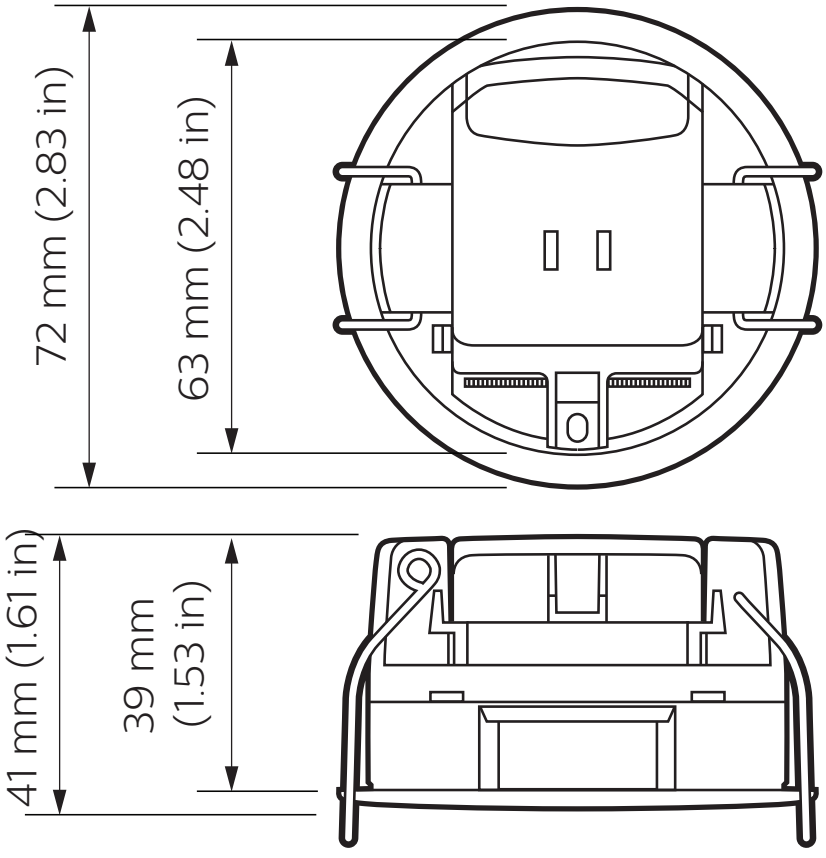
The Philips Dynalite DUS360CR is a recess mountable 360 degree multifunction sensor that combines motion detection (PIR), infrared remote control reception (IR) and ambient light level detection (PE) into one device in applications such as offices, lecture theaters and homes.

DUS360CR

Low profile recessed 360° ceiling sensor

- **Motion detection feature** – Detects the presence or absence of motion and adjusts lights accordingly.
- **Segmented click-up bezel** – Surrounds the motion sensor element and enables a portion of the sensing field to be masked. This prevents nuisance detection from adjacent doorways or corridors.
- **Ambient light level regulation** – In applications where it is critical to maintain precise light levels, the PE function reads ambient levels and adjusts artificial light accordingly.
- **Infrared receive capability** – Manually adjust light levels using a hand-held remote control, via the inbuilt IR receive sensor of the DUS360CR.
- **Daylight harvesting mode** – Delivers automatic energy savings.
- **Corridor hold** – Links corridor areas with adjacent rooms so corridor remains lit while occupancy is detected in adjacent rooms.
- **Anti-stumble sensing option** – Helps users move about safely at night without having to find a light switch. (see page 4 for details)
- **Suitable for plenum use** – UL2043 certified for installation in air-handling plenum spaces.

Dimensions



Specifications

Due to continuous improvements and innovations, specifications may change without notice.

DUS360CR
Multifunction Sensor

Electrical

Supply Type	DyNet
Supply Voltage	12/24 VDC
Supply Current	10 mA (max)
IEC Overvoltage Category	III

Motion Detection (PIR)

Sensor	Quad element pyroelectric
Maximum Detection Range	5 m (16.4 ft)*
Detection Area	See next page

Light Detection (PE)

Lux Range	5-5000 lux

Control

Serial Ports	1 x RS-485
Supported Protocols	DyNet
User Input	Infrared (RC5 IR remote control) 1 x service switch
Indicators	1 x red motion LED

Physical

Dimensions (H x W)	41 x 72 mm (1.61 x 2.83 in)
Packed Weight	0.105 kg (0.23 lb)
Construction	Polycarbonate plastic enclosure
Color	RAL9010
Serial Ports	1 x 5-way screw terminal +V, D-, D+, GND, SHLD
Screw Terminal Conductor Size	2.5 mm² (#12 AWG) (max)
Mounting Substrate Thickness	3-25 mm (0.12-0.98 in)

Environment**

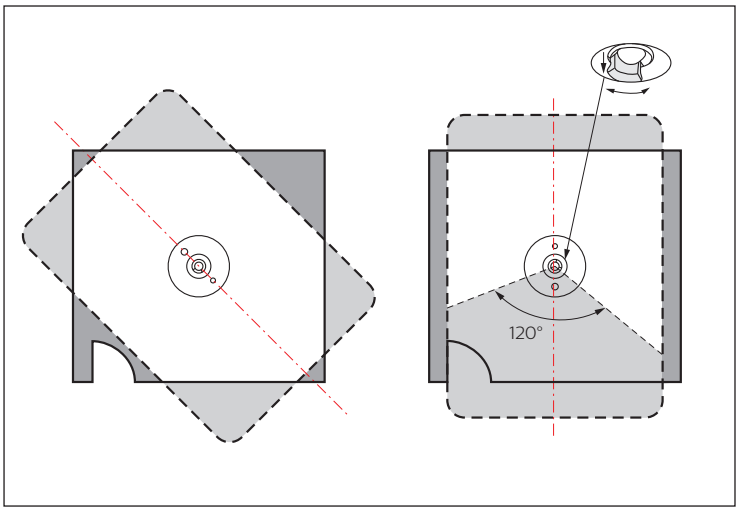
Operating Temperature	0° to 45°C ambient (32° to 113°F)
Storage/Transport Temperature	-25° to 70°C ambient (-13° to 158°F)
Humidity	0 to 90% non-condensing
IEC Pollution Degree	II

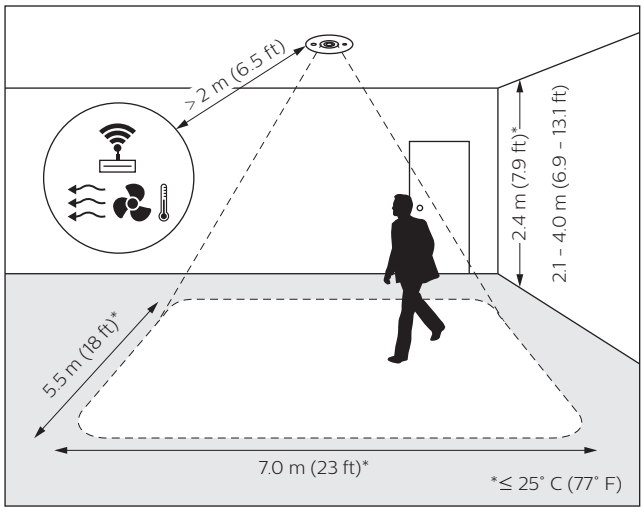
Compliance

Certification	CE, RCM, UL/cUL, FCC, ICES, UKCA, RoHS
IP Rating	IP20

** For Indoor Installation Only

Detection Area

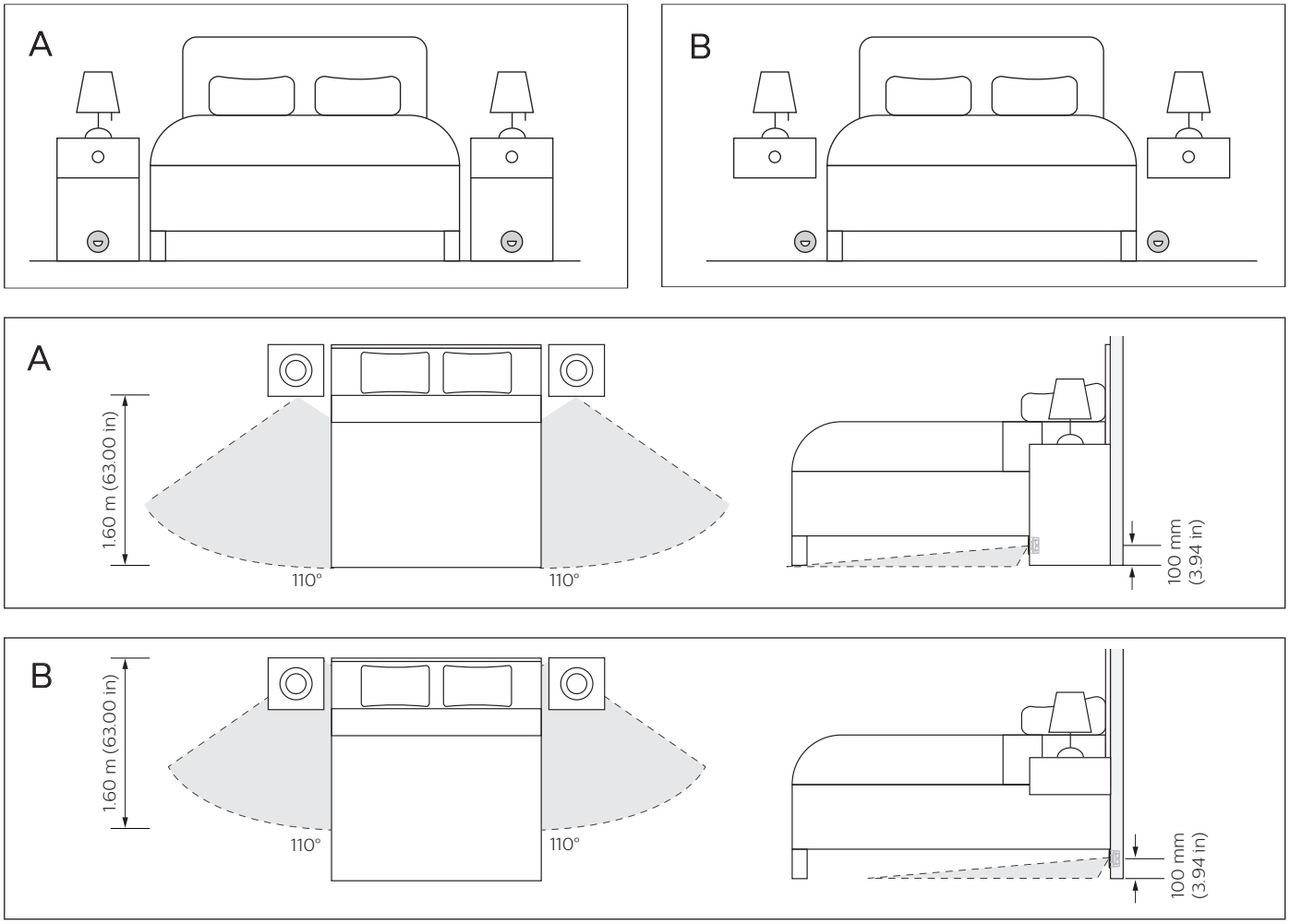




* Typical detection range at ≤ 25°C (77°F). Range is reduced at higher temperatures.

Detection Area with DUS180WR Anti-Stumble Faceplate

Mounted as shown below with the optional DUS180WR faceplate, the DUS360CR provides ground-level bedside motion detection after dark. When a guest leaves the bed at night, selected lighting channels come on at minimum brightness so that they can move about safely without waking other sleepers.



Ordering Code

Product	12NC
DUS360CR	913703689609

Accessories	12NC
DINGUS-DUS-RJ12-DUAL (dual RJ12 connector - pack of 10)	913703064309
DINGUS-DUS-RJ45-DUAL (dual RJ45 connector - pack of 10)	913703064409
IRT9090/01 (commissioning & testing RC5 IR remote control)	913700359103
IRT9010/00 (user-friendly RC5 IR remote control)	913700392403
DUS180WR (Anti-stumble faceplate - pack of 40)	913703338209

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ALC-030-SI

PHILIPS

dynalite

DUS90CS

Multifunction Sensor

Installation Instructions

Instructions d'installation
Installationsanweisungen
Instrucciones de instalación
Istruzioni per l'installazione
Installatie-instructies
インストール手順
安装指示
إرشادات التركيب

Devices must be installed by a qualified electrician in accordance with all national and local electrical and construction codes and regulations.

Les appareils doivent être installés par un électricien diplômé conformément à tous les codes et réglementations électriques et de construction nationaux et locaux.

Die Geräte sind von einem qualifizierten Elektriker in Übereinstimmung mit allen geltenden Vorschriften zu installieren.

Los dispositivos deben ser instalados por un electricista calificado y cumpliendo todas las normas y regulaciones, tanto nacionales como locales, sobre instalaciones eléctricas y obras.

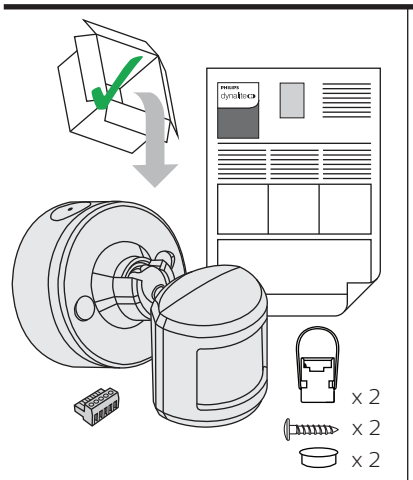
I dispositivi devono essere installati da un elettricista qualificato in conformità con le norme locali e nazionali vigenti in materia di costruzioni edilizie e installazione di impianti elettrici.

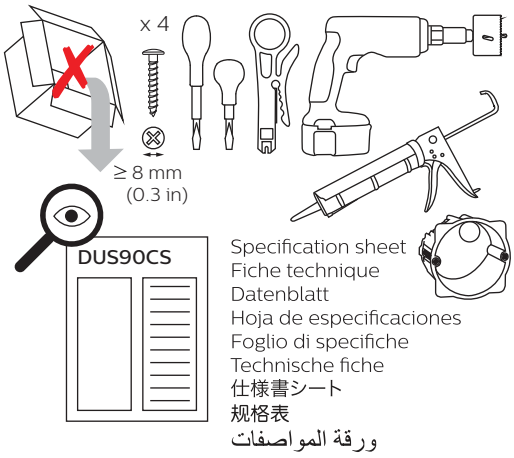
De apparaten moeten worden aangebracht door een gekwalificeerde elektricien en in overeenstemming met alle nationale en plaatselijke elektriciteits- en bouwvoorschriften.

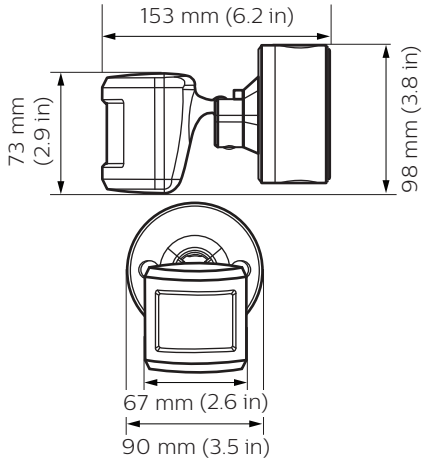
装置を取り付ける際は、資格のある電気技師に依頼し、国および地域の電気および建設に関するすべての法令に従ってください。

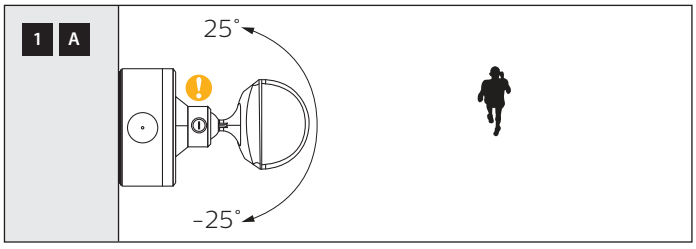
根据国家/地区及当地的电气与建筑规范和法规，该设备必须由有资质的电工进行安装。

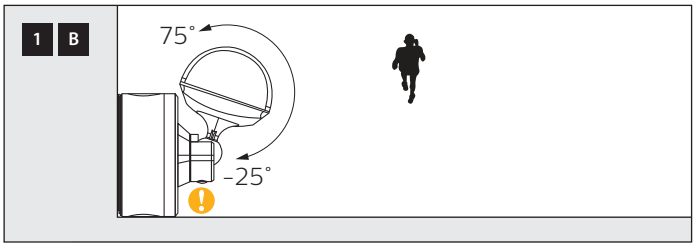
يجب تركيب الأجهزة من قبل فني كهربائي مؤهل وفقًا لكافة قوانين ولوائح التركيب الكهربائي المحلي والوطني.

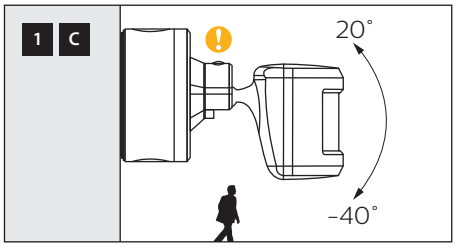


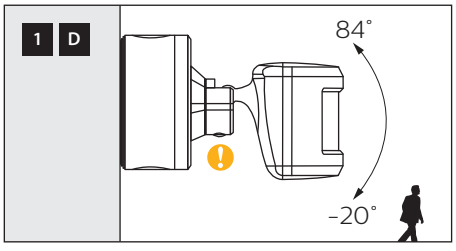


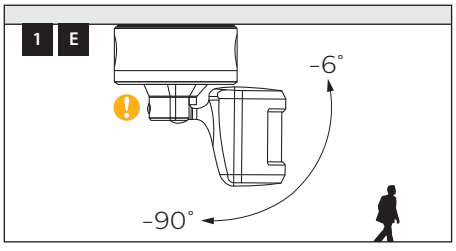












IP54

45° C (113° F)
-20° C (-4° F)

90%

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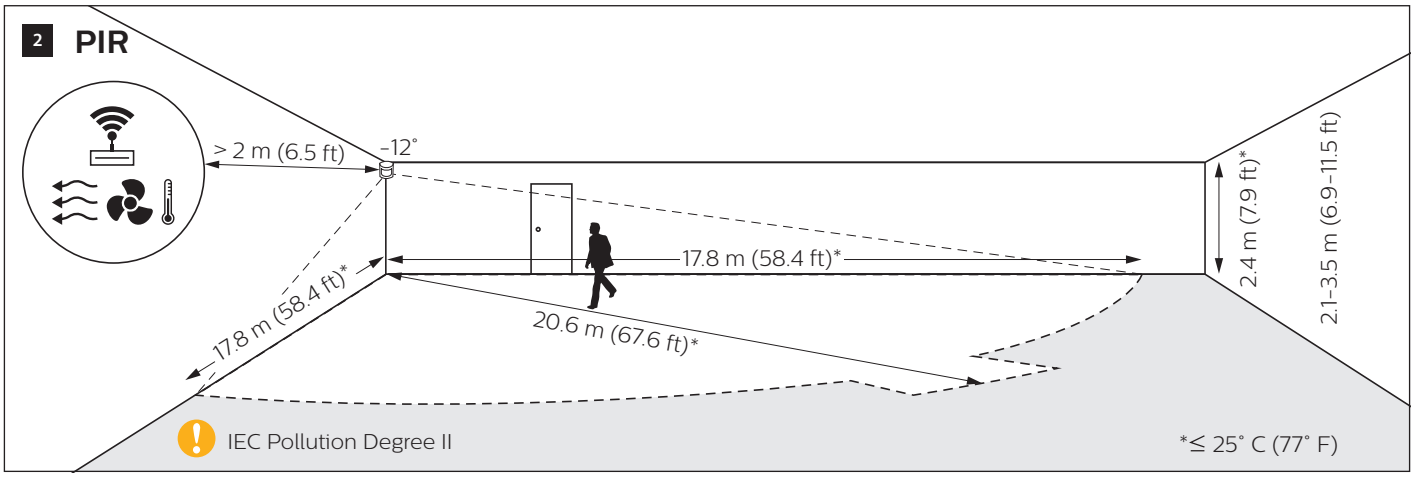
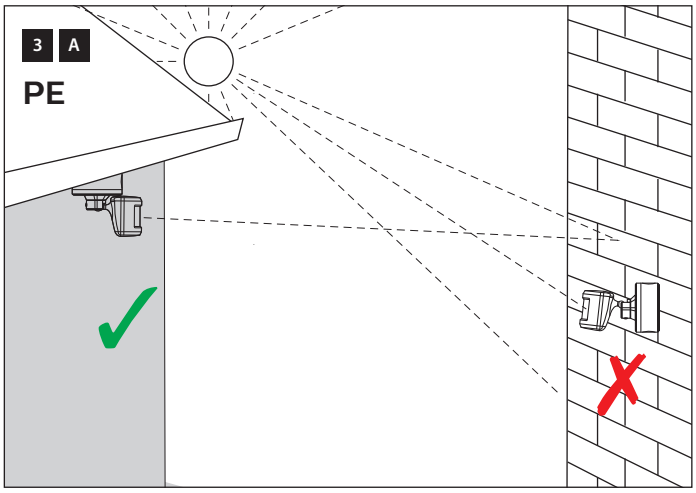
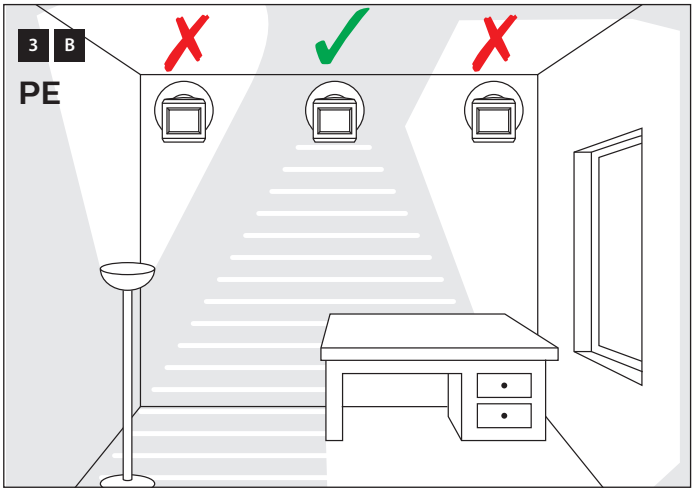
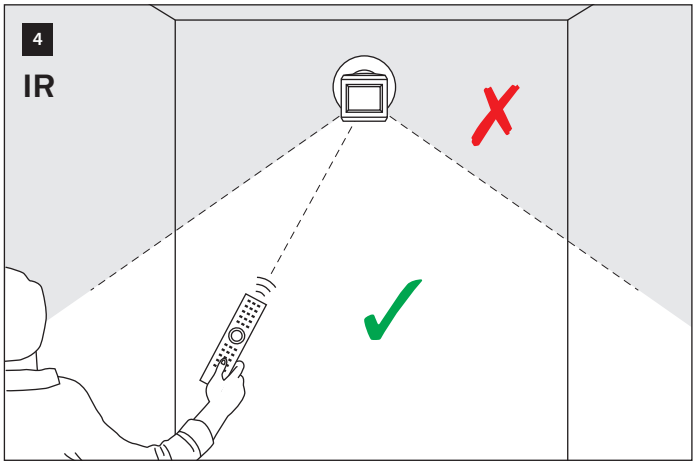
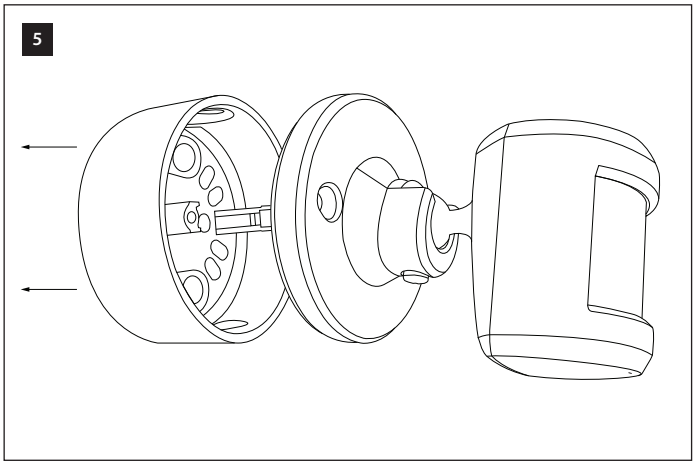

2 PIR
> 2 m (6.5 ft)
-12°
17.8 m (58.4 ft)*
17.8 m (58.4 ft)*
20.6 m (67.6 ft)*
2.4 m (7.9 ft)*
2.1–3.5 m (6.9–11.5 ft)
IEC Pollution Degree II
*≤ 25° C (77° F)


3 A
PE


3 B
PE


4
IR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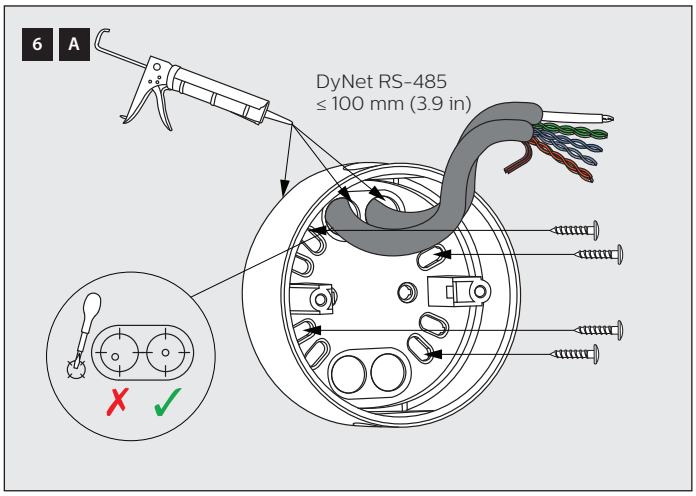
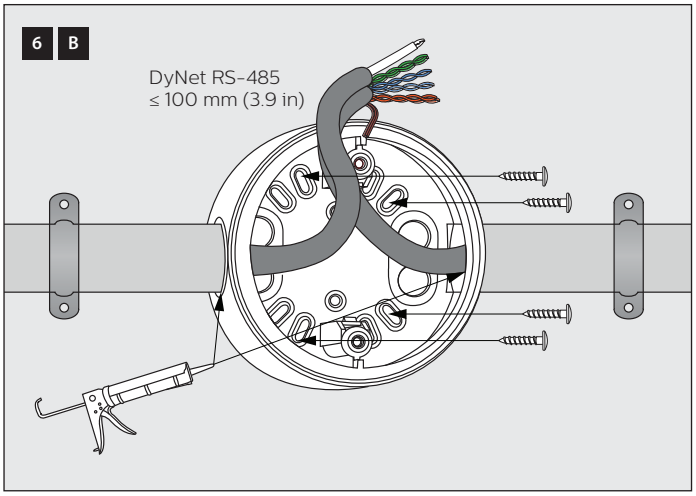
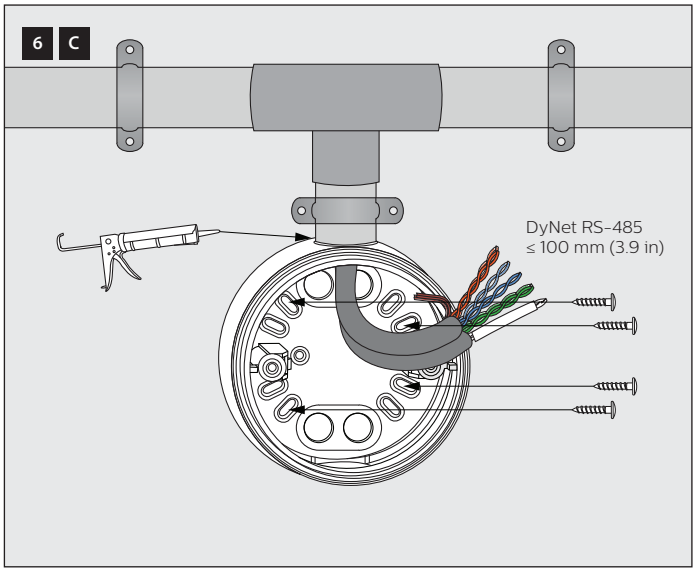
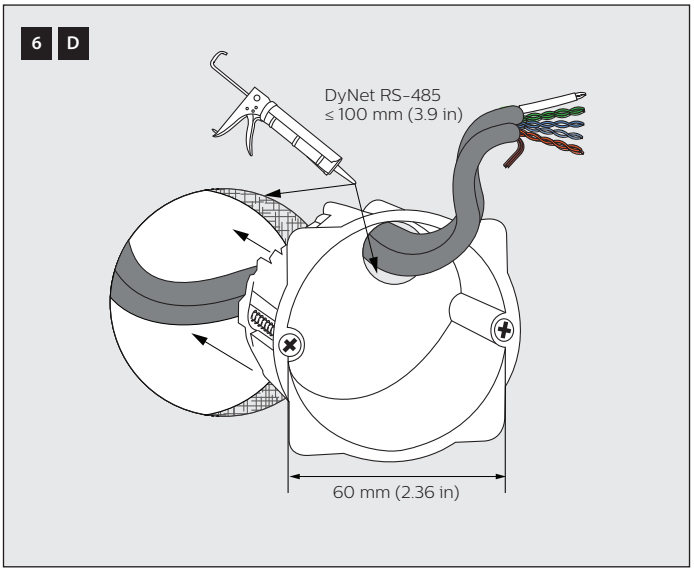

6 A
DyNet RS-485
≤ 100 mm (3.9 in)


6 B
DyNet RS-485
≤ 100 mm (3.9 in)

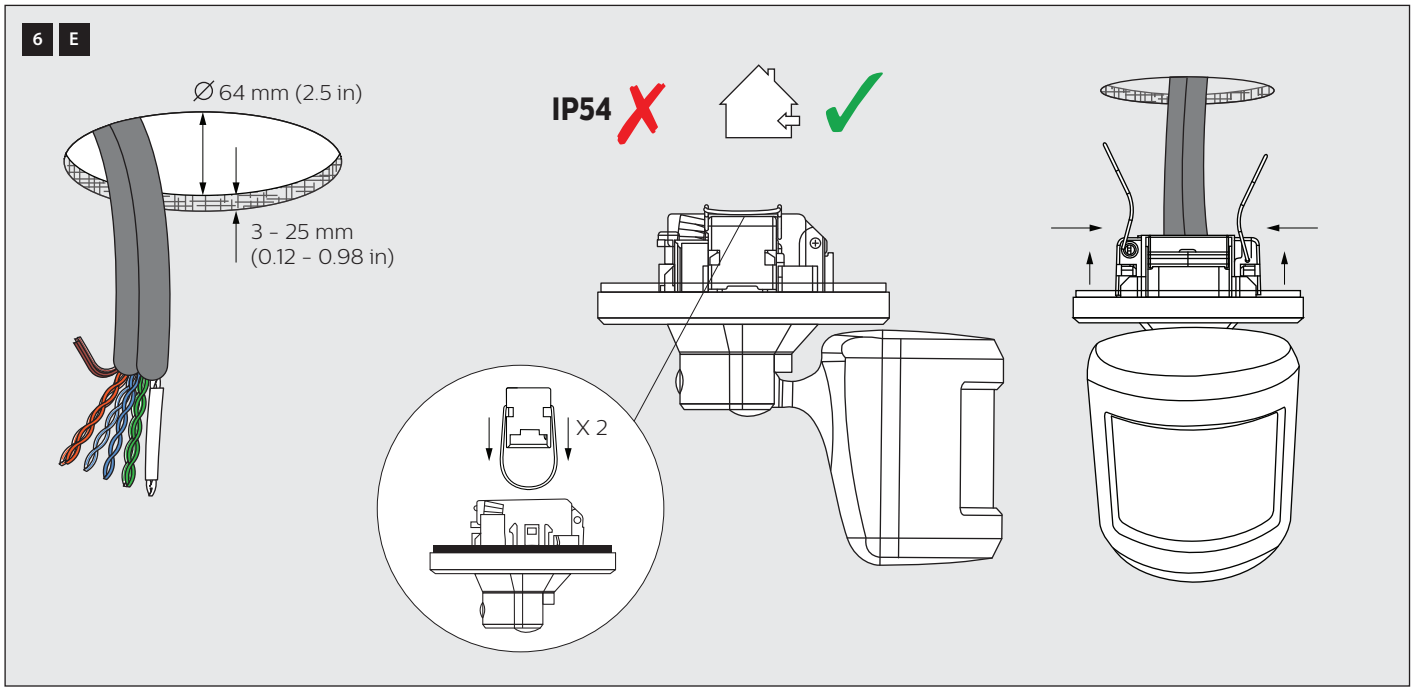
6 C



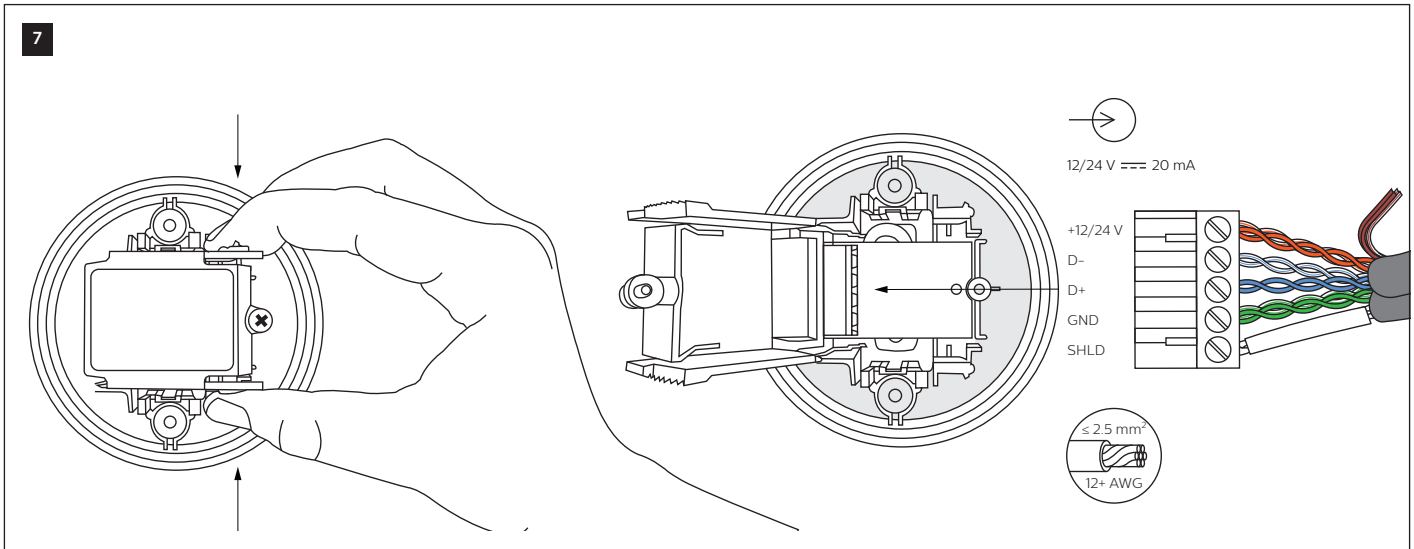
6 D



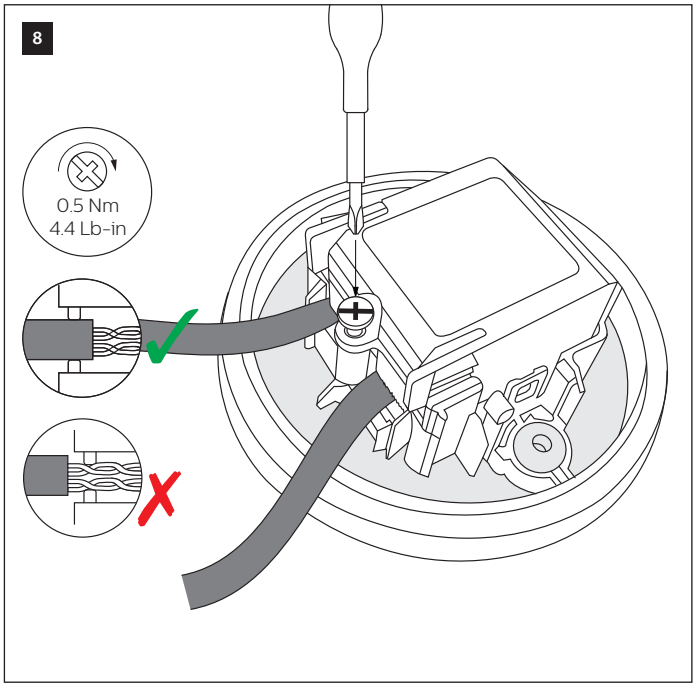
6 E

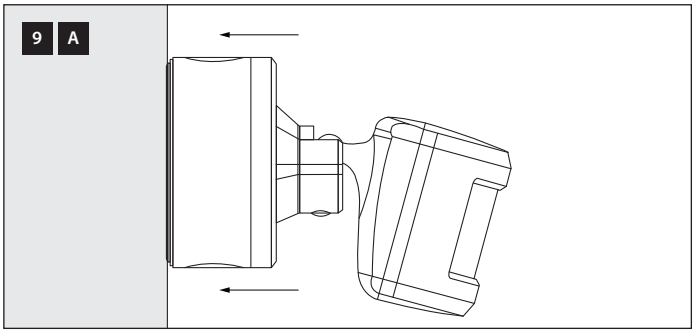


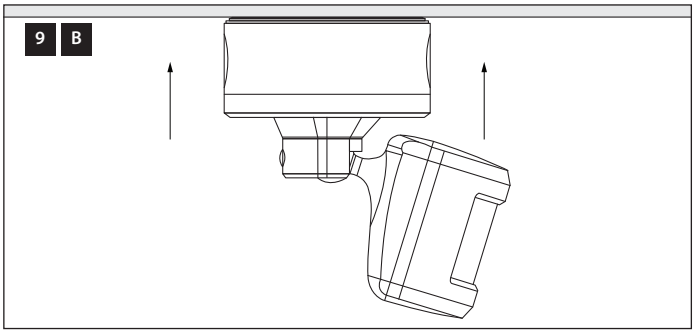
7

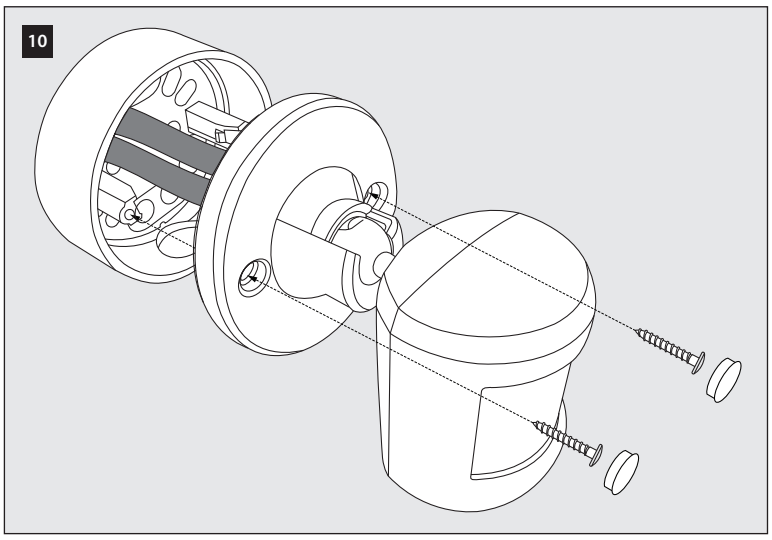


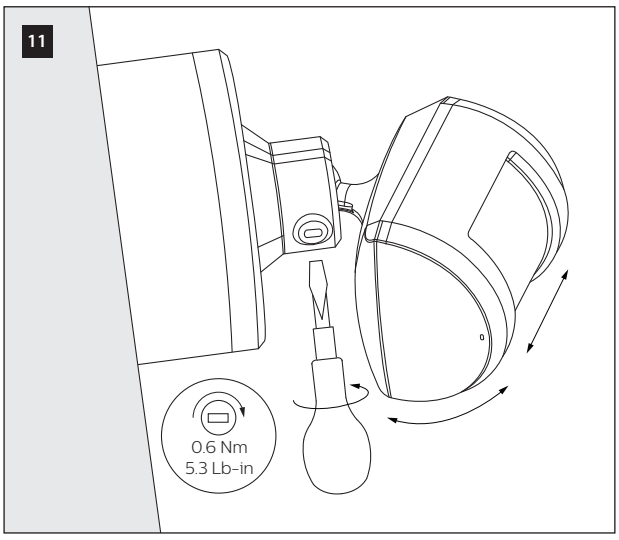
IEC Overvoltage Category III

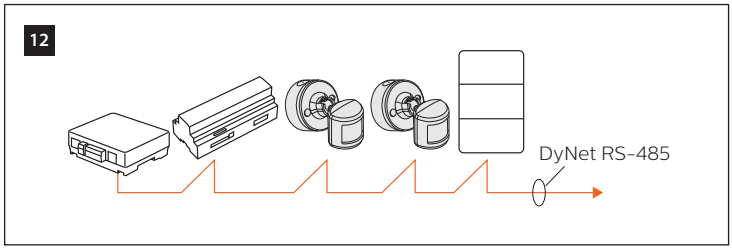


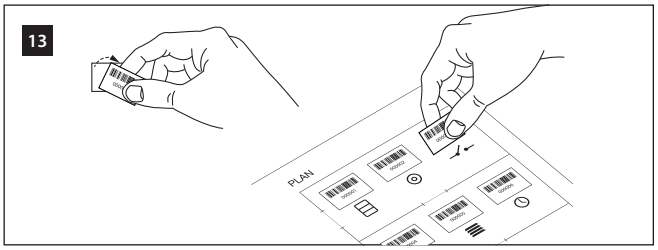












Federal Communications Commission (FCC) Compliance Notice: Radio Frequency Notice – This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help. Any modifications not approved by the manufacturer of this device could void the user's authority to operate this device.

This Class B digital apparatus complies with Canadian ICES-003: CAN ICES-3(B)/NMB-3(B). Cet appareil numerique de la classe B est conforme a la norme NMB-003 du Canada: CAN ICES-3(B)/NMB-3(B).

Installation of a home and building automation and control system shall comply with HD 60364-4-41. The temperature limits and current-carrying capacities for the communication wires specified in HD 384.5.523 shall not be exceeded.

Do not connect inputs to mains.

Philips Dynalite
www.lighting.philips.com/dynalite

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PHILIPS
dynalite

User Interfaces

PDRxE

Revolution Euro

Contemporary two-, four-, or eight-button panel with backlit buttons

The Philips Dynalite Revolution user interface features a sleek, contemporary design and incorporates the latest in field effect technology. Each easy-to-press mechanical button can be customized with text or icons and programmed to perform a wide variety of local and site-wide control functions. The Revolution Euro range is suitable for, but not limited to, European, Middle Eastern, African and Asian markets.

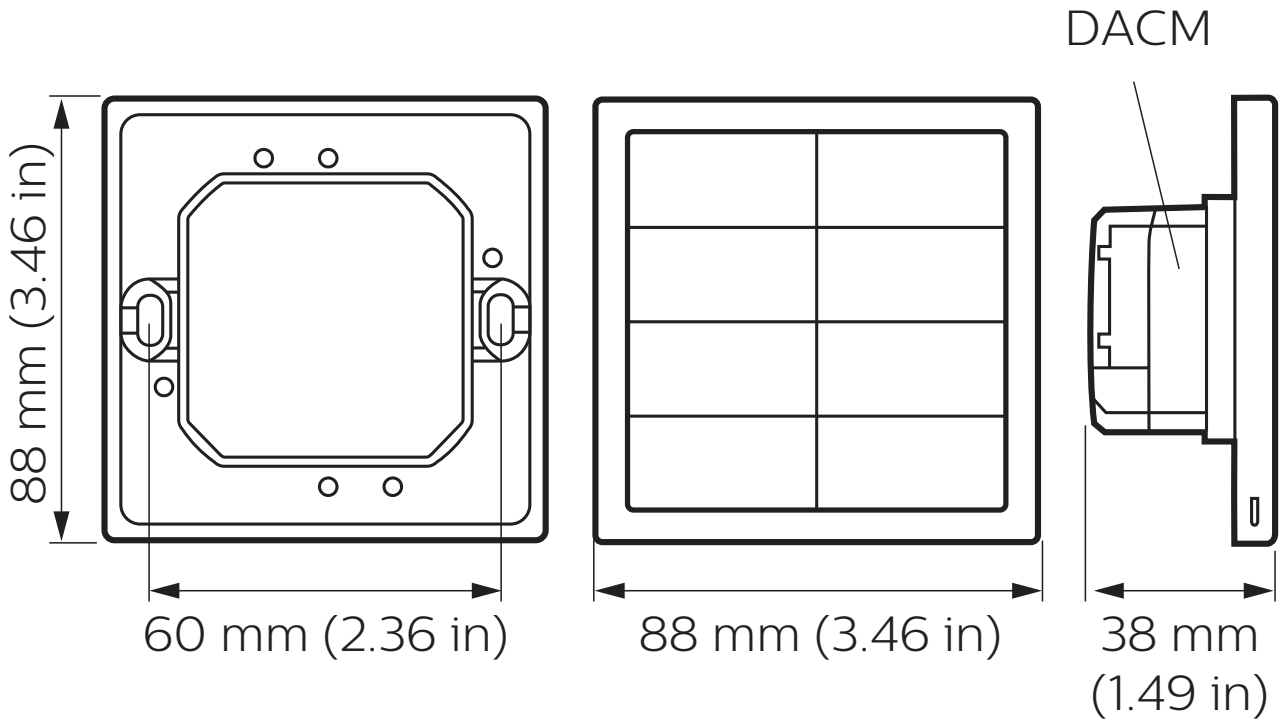
PDRxE

Contemporary two-, four-, or eight-button panel with backlit buttons

- **Field effect technology*** – The user interface detects an approaching user and lights up to encourage interaction.
- **Color backlight** – Customize each button's backlight from an RGB color palette.
- **Supplied as two components** – The Application Module contains buttons, rim, base and mounting plate, which can be mixed and matched to suit décor. The Communication Module (DACM) contains logical and network functions and can be pre-programmed off-site, allowing commissioning to commence prior to finalizing rim and button options.
- **Multiple language and icon labeling** – Button labeling language choices include English, Chinese and Arabic. A library of common icons transcends language barriers, which is particularly useful in hospitality applications.
- **Custom button engraving –** Available on request.
- **Décor-matching options** – Buttons and rims are available in a range of attractive glass-look polycarbonate finishes.
- **64-channel DMX Tx support –** Can be factory-set to DMX instead of DyNet, to communicate directly with DMX fixtures

* The mounting plate must be grounded to avoid field effect false triggering by nearby ungrounded metal objects.

Dimensions



Specifications

Due to continuous improvements and innovations, specifications may change without notice.

PDRxE
Revolution Euro

Electrical

Supply Type	DyNet
Supply Voltage	12-24 VDC SELV/Class 2
Supply Current	60 mA (nominal), 120 mA (max) @ 12 VDC 35 mA (nominal), 60 mA (max) @ 24 VDC

Application Module

User Inputs	2/4/8 x software-configurable buttons
Indicators	Color backlight on each button
Temperature Sensor Range	5° to 40°C (41° to 104°F)
Temperature Sensor Accuracy	± 1°C (± 1.8°F)
Field Effect Detection Range	approx. 10 cm (4 in)

Communication Module

Serial Ports	1 x RS-485
Supported Protocols	DyNet DMX Tx
DMX Tx Channels	64
User Inputs	1 x service switch
Indicators	1 x service LED

Physical

Dimensions (H x W x D)	88 x 88 x 38 mm (3.46 x 3.46 x 1.5 in) (fully assembled)
Packed Weight (application module)	0.2 kg (0.44 lb)
Packed Weight (communication module)	0.12 kg (0.25 lb)
Button/Rim Finish	See Page 4
Serial Ports	1 x 5-way pluggable screw terminal +V, D-, D+, GND, SHLD
Serial Port Conductor Size	2.5 mm² (12 AWG) (max)

Environment*

Operating Temperature	0° to 50°C ambient (32° to 122°F)
Storage/Transport Temperature	-25° to 70°C ambient (-13° to 158°F)
Relative Humidity	0-90% non-condensing
IEC Pollution Degree	II

Compliance

Certification	CE, RCM, FCC, ICES-003, UKCA, RoHS
IP Rating	IP40

* For Indoor Installation Only

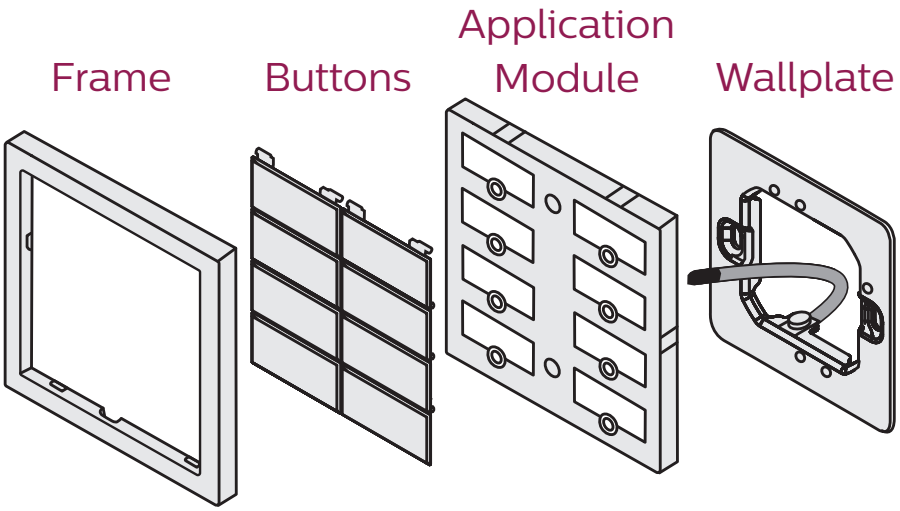
Revolution Euro Models

PDR8E - Eight buttons

PDR4E - Four buttons (Release date TBA)

PDR2E - Two buttons (Release date TBA)

Revolution Panel Assembly



Button Finishes

Black

White

Frame Finishes

Black

White

Rim Finishes

Black

White

Application Module Ordering Code

The Application Module contains the mounting plate, base, rim, frame, and buttons. The buttons, frame, and rim are available in the range of finishes shown below.

The base contains all the sensors and LED indicators. A metal mounting plate attaches the Revolution panel securely to the wall, ensuring stable, reliable operation.

PDR8xxE-BBB-S

Number of Buttons*	Button Finish	Frame Finish	Rim Finish	Button Labeling
8 = Eight buttons	B = Black	B = Black	B = Black	S = Standard labeling
4 = Four buttons	W = White	W = White	W = White	C = Custom labeling
2 = Two buttons				

* Placeholder 'x' slots reserved for future release of two- and three-gang frames..

Communication Module Ordering Code

The Dynalite Application Communication Module (DACM) is compatible with all interfaces across the Revolution series, and can be ordered, programmed, installed, wired and tested without the Application Module attached.

This allows the commissioning process to begin before the final finish options have been chosen, or during construction, and protects the Application Module from damage until the site is ready for occupancy.

Product	Philips 12NC
DACM-DyNet (DyNet comms module)	913703072809

Accessories

DINGUS-DUS-DUAL-RJ12 (dual RJ12 connector - pack of 10)	913703064309
DINGUS-UI-DUAL-RJ45 (dual RJ45 connector - pack of 10)	913703334609

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PHILIPS
dynalite

User Interfaces

PDTS

Networked Touchscreen

Advanced building automation and control at your fingertips

Designed as an integral part of the Dynalite system, the PDTS offers intelligent control and direct access to scheduling, scene editing, diagnostics, and local environmental sensing.

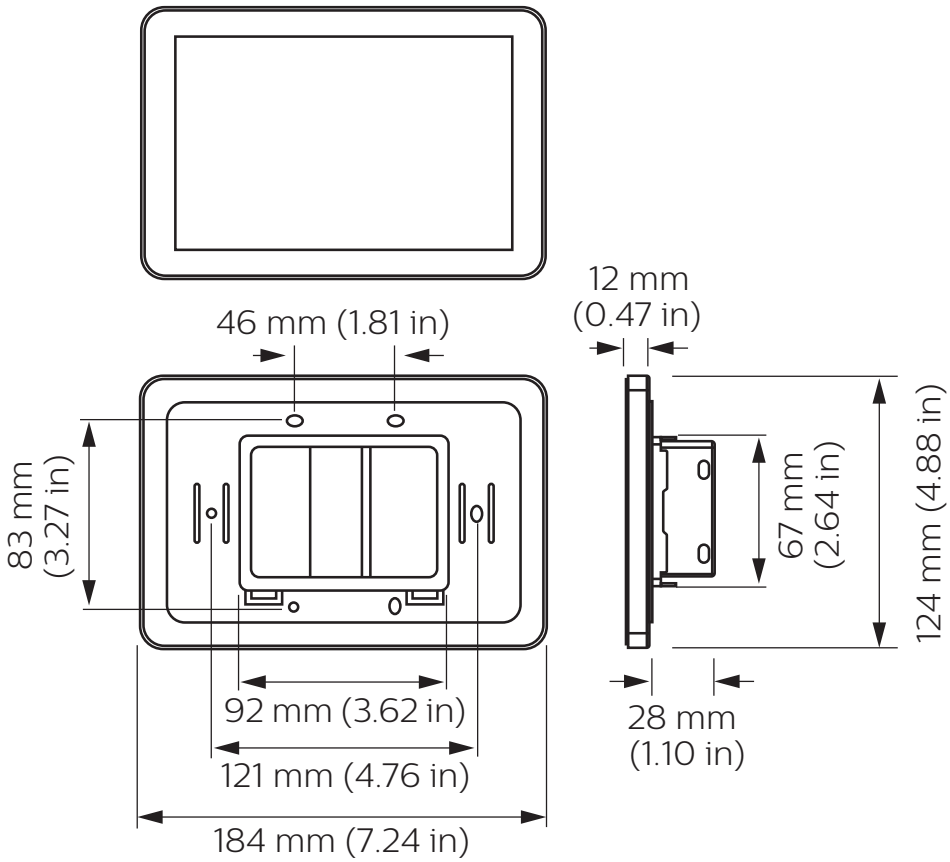
Combining Ethernet connectivity, a powerful onboard processor, and contemporary design cues from the Antumbra user interface range, the PDTS is a sleek, functional complement to any project.

PDTS

Advanced building automation and control at your fingertips

- **178 mm capacitive touchscreen –** with high resolution, rich color and wide viewing angle.
- **Proximity sensor –** triggers soft halo light effect to welcome user interaction.
- **Ethernet port –** Provides access for commissioning and file transfers.
- **Internal astronomical timeclock –** enables advanced scheduling of behavior, options, and automated tasks based on time of day or sunrise/sunset.
- **Customizable graphical menus –** seamless control of lighting, curtains/blinds, HVAC, A/V equipment and compatible third-party systems.
- **Built-in environmental sensors –** humidity and temperature can be displayed on standby screen and communicated to third-party systems.
- **Templated commissioning option –** simply load the project XML file for fast configuration, or upload custom web pages from System Builder.
- **Thin profile and easy mounting –** fits industry-standard double wall boxes (EU or US).
- **Secure Access –** Employs HTTPS for secure, encrypted network communication, with support for onboard security certificates.
- **User authentication –** secure login feature available for CGI commands and user functions, with customizable access levels for each user.

Dimensions



Specifications

Due to continuous improvements and innovations, specifications may change without notice.

PDTS
Networked Touchscreen

Electrical

Supply Type	SELV / CLASS 2 (UL) external, regulated DC
Supply Voltage	12-24 VDC
Supply Current	500 mA @ 12 VDC 300 mA @ 24 VDC
IEC Overvoltage Category	III

Display

Screen Type	LCD capacitive touchscreen
Viewable Area	94 x 150 mm (3.70 x 5.91 in) Diagonal 178 mm (7.01 in)
Resolution	1280 x 800
Color Depth	16 million colors
Viewing angle	80°

Communication

Ports	1 x RS-485 1 x Ethernet (100 BaseT)
Supported Protocols	DyNet DMX TCP/IP (TCP, UDP, IPv4/IPv6) HTTPS / CGI
Clock Features	365 day clock Lithium backup battery Sunrise/sunset tracking Automatic daylight saving adjustment
Storage Capacity	16 MB file storage (max) (28-day rolling network log) 250 timed events 64 tasks
User Inputs	1 x service/reset switch
Indicators	Power Cycle LED (blue) Boot/Recovery Mode LED (red)
Audio	1 x Speaker

Physical

Dimensions (H x W x D)	124 x 184 x 40 mm (7.24 x 4.88 x 1.57 in)
Mounted Thickness	11 mm (0.43 in)
Packed Weight	0.7 kg (1.54 lb)
Fascia Finish	Glass
Serial Ports	1 x RJ45 (Ethernet) 1 x 5-way pluggable screw terminal +V, D-, D+, GND, SHLD
Serial Port Conductor Size	2.5 mm^2 (#12 AWG) (max)
Supply Terminals	1 x 2-way pluggable screw terminal +, -
Supply Terminal Conductor Size	2.5 mm^2 (#12 AWG) (max)
Orientation	Landscape only

Environment

Operating Temperature	0° to 45°C ambient (32° to 113°F)
Storage/Transport Temperature	-25° to 55°C ambient (-13° to 140°F)
Relative Humidity	0 to 90% non-condensing
IP Rating	IP40
IEC Pollution Degree	II

Compliance

Certification	CE, RCM, UL, FCC, ICES, RoHS

Ordering Codes

Product		Philips 12NC
PDTS		913703334309
Accessories		
DDNP1501	(12 VDC network power supply)	913703090309
DMNP24040-P-NA	(24 VDC network power supply)	913703580309

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PHILIPS
dynalite

Integration Devices

PDEG

Ethernet Gateway

Flexible Ethernet integration

The Philips Dynalite PDEG provides a multipurpose Ethernet connection to a Philips lighting control system. It supports access to the lighting system via a dedicated Philips app as well as providing a web interface delivering access to the inbuilt timeclock and schedule editor functions. It provides bridging functionality between Ethernet backbone and the DyNet fieldbus devices.

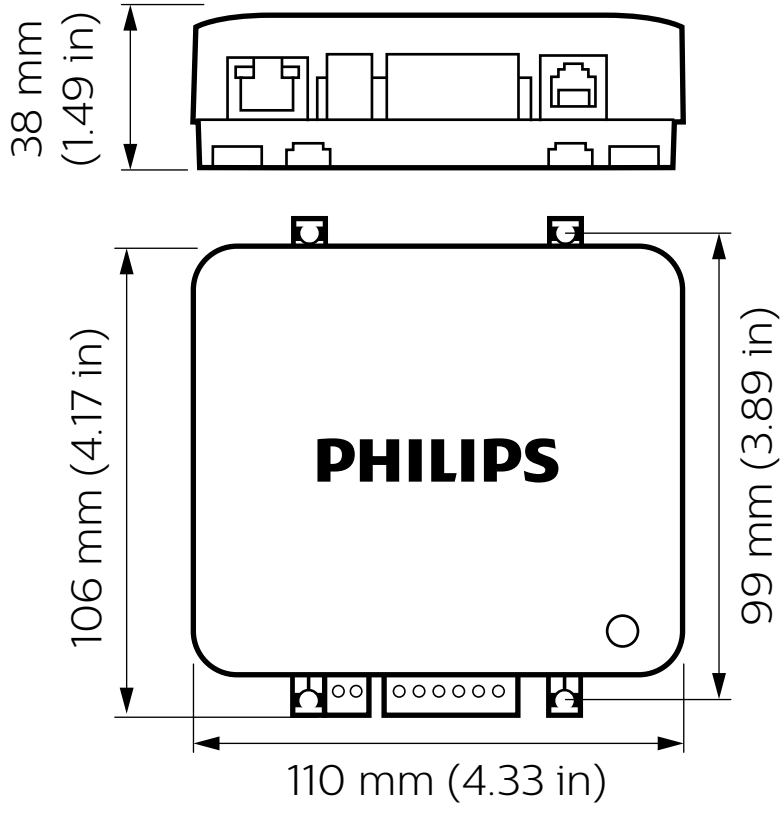
PDEG

Flexible Ethernet integration

- **Large storage capacity** – The device stores large project files internally, which apps use to automatically configure their settings. This saves configuration time and ensures accuracy for phone and tablet control.
- **Built-in web server** – Provides control and status via Common Gateway Interface (CGI) protocol. Allows authenticated users to edit and check system settings via the Network Hardware Checker and System Roll Call tools.
- **Secure Access** – Employs HTTPS for secure, encrypted network communication.
- **Network routing** – Routing functionality such as address offset and message filtering and translation
- **Scheduled event management** – Inbuilt timeclock, schedule manager, sunrise/sunset tracking and automatic daylight saving adjustment allow the user to manage operation and task scheduling without advanced technical knowledge.
- **Powerful custom task engine** – Allows users or third-party systems to run macros, such as 'After Hours', 'Shut Down', 'Welcome' and more.
- **Advanced interoperability** – Supports management of Philips Dynalite systems, Philips PoE fittings, and Philips Hue lamps and bridges, on a single system.
- **Third party integration** – Capable of direct communication with specialized hospitality and building automation systems such as VingCard Elsafe, CoolAutomation, Oracle Fidelio, and others.
- **Day Rhythm*** – Supports up to five color temperature curves to simulate the intensity and color temperature of natural daylight over the course of a day. Different curves can be assigned to different seasons or specific days as required.

* Requires a DALI 209 compatible dimming controller.

Dimensions



Specifications

Due to continuous improvements and innovations, specifications may change without notice.

PDEG
Ethernet Gateway

Electrical

Supply Type	DyNet or DC*
Supply Voltage	12–24 VDC†
DyNet Supply Current	100 mA @ 12 VDC 50 mA @ 24 VDC
DC Supply Current	300 mA @ 12 VDC 250 mA @ 24 VDC
DyNet DC Output Current‡	200 mA
IEC Overvoltage Category	III

Control

Communication Ports	1 x RS-485 1 x Ethernet (10/100 baseT)
Supported Protocols	DyNet / DyNet2 DMX TCP/IP (TCP, UDP, IPv4/IPv6) HTTP / HTTPS / FTP / CGI /Telnet
Dry Contact Inputs	1 (AUX)
Clock Features	365 day clock Lithium backup battery Sunrise/sunset tracking Automatic daylight saving adjustment 250 timed events 64 tasks
Storage Capacity	16 MB XML file storage max (28-day rolling network log)
User Input	1 x service switch
Indicators	1 x service LED 2 x Ethernet status LED

Physical

Dimensions (H x W x D)	97 x 110 x 38 mm (3.82 x 4.33 x 1.50 in)
Packed Weight	0.21 kg (0.46 lb)
Construction	Low profile DIN-rail polycarbonate (6 unit)
Communication Ports	1 x RJ45 1 x RJ12 1 x 6-way pluggable screw terminal
Communication Terminal Conductor Size	2.5 mm^2 (#12 AWG) (max)
Supply Terminals	1 x 2-way pluggable screw terminal
Supply Terminal Conductor Size	2.5 mm^2 (#12 AWG) (max)

Environment

Operating Temperature	-20° to 50°C ambient (-4° to 122°F)
Storage/Transport Temperature	-25° to 70°C ambient (-13° to 158°F)
Relative Humidity	0 to 90% non-condensing
IEC Pollution Degree	II

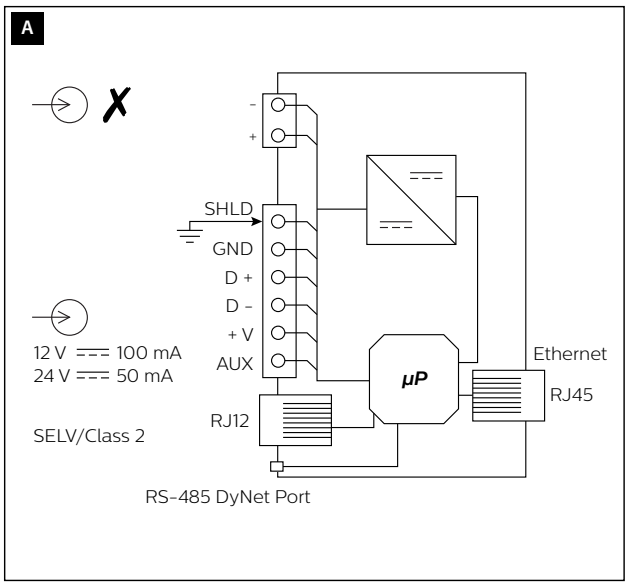
Compliance

Certification	CE, RCM, UL/cUL, FCC, ICES, RoHS

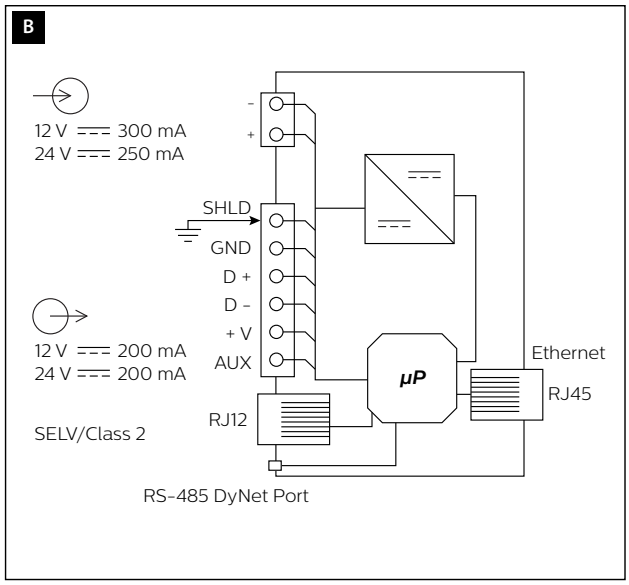
* From external regulated SELV / Class 2 supply
† Power supply voltage shall match network voltage
‡ If powered by external SELV / Class 2 supply

Electrical

SELV/CLASS 2 external supply



DyNet supply



Ordering Code

Product	Philips 12NC
PDEG	913703013809
Accessories	
DDNP1501 (12 VDC network power supply)	913703090309
DMNP24040-P-NA (24 VDC network power supply)	913703580309

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PHILIPS
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Multipurpose
Controllers

DDMC802

Multipurpose Modular Controller

Control different load types with one device

The Philips Dynalite DDMC802 provides up to eight configurable output channels, controlled by up to four interchangeable control modules.

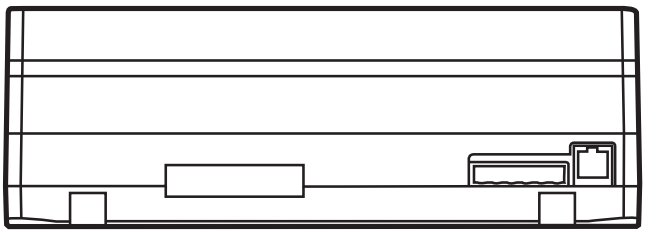
A selection of control modules is available for a variety of load types.

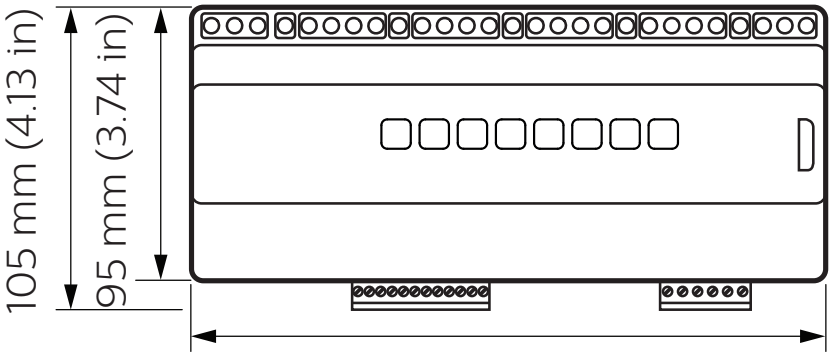
DDMC802

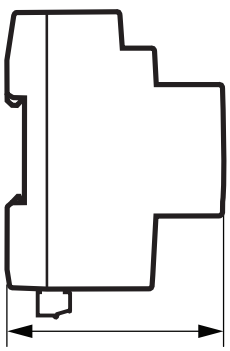
Control different load types with one device

- **Single controller solution —** Control a variety of load types from one device.
- **Four module bays —** Accommodates any combination of up to four single modules or two double-size modules.
- **Leading edge phase control dimmer module —** Suitable for use with incandescent lamps and some types of dimmable electronic transformers.
- **Trailing edge phase control dimmer module —** Suitable for use with most types of dimmable electronic transformers.
- **Signal dimmer control module —** Suitable for 1-10 V, DSI and DALI Broadcast control of digital drivers and transformers.
- **Relay control module —** Suitable for controlling most types of switched loads.
- **Fan control module —** 400 VA three-speed fan control.
- **Curtain control module —** Provides control of curtains, blinds and other motorized window treatments.
- **Flexible mounting solution —** A DIN-rail mountable device, designed to be installed into the distribution board supplying power to the controlled circuit.

Dimensions







Specifications

Due to continuous improvements and innovations, specifications may change without notice.

DDMC802
Multipurpose Modular Controller

Electrical

Supply Type	Single phase
Supply Voltage	100-240 VAC
Supply Current	16 A
Outputs	8 (4 x 2-channel module bays)
DyNet DC Output Voltage	12 VDC
DyNet DC Output Current	200 mA (supply for approximately 10 user interfaces)
Power Conditioning	Regulated outputs Overvoltage protection Surge protection Brownout / Sag protection Spike protection Soft start 16 bit fade resolution (65,536 steps)
Overvoltage Category	III

Control

Serial Ports	1 x RS-485
Supported Protocols	DyNet DMX Rx
Dry Contact Inputs	9 (8 + AUX)
Diagnostic Functions	Device online/offline status Circuit runtime tracking
User Controls	1 x service switch 8 x manual override switches
Indicators	1 x service LED 8 x channel status LED

Physical

Dimensions (H x W x D)	105 x 216 x 74 mm (4.13 x 8.50 x 2.91 in)
Packed Weight	0.52 kg (1.14 lb)
Construction	Polycarbonate DIN rail enclosure (12 unit)
Serial Ports	1 x RJ12 1 x 6-way pluggable screw terminal
Serial Port Conductor Size	2.5 mm^2 (#12 AWG) (max)
Supply Terminals	3 x screw terminal Line, Neutral, Earth
Supply Terminal Conductor Size	5 mm^2 (#10 AWG) (max)
Dry Contact Terminals	1 x 12-way pluggable screw terminal
Dry Contact Terminal Conductor Size	1.3 mm^2 (#16 AWG) (max)
Load Terminals	16 x screw terminal
Load Terminal Conductor Size	5 mm^2 (#10 AWG) (max)

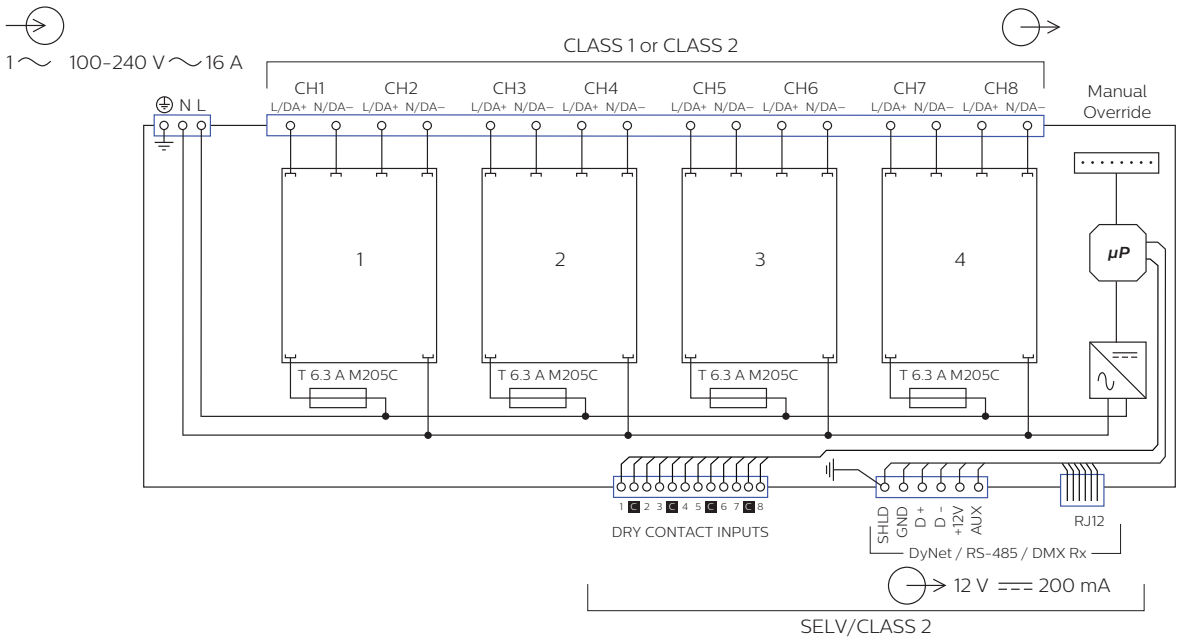
Environment

Operating Temperature	0° to 40°C ambient (32° to 104°F)
Storage/Transport Temperature	-25° to 70°C ambient (-13° to 158°F)
Humidity	0 to 90% non-condensing
IEC Pollution Degree	II

Compliance

Certification	CE, RCM, UL/cUL, FCC, ICES-003, RoHS

Electrical



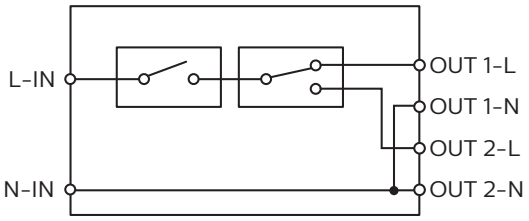
DGCM102

Module Type	Motorized curtain/blind control
Output Channels	1

Output Channel Ratings

Load Type	Maximum Rating per Output
General Use	2 A, 230 VAC
Motor x 1	4.4 FLA* (⅙ HP), 120 VAC 4.9 FLA* (½ HP), 230 VAC

* Full Load Amps



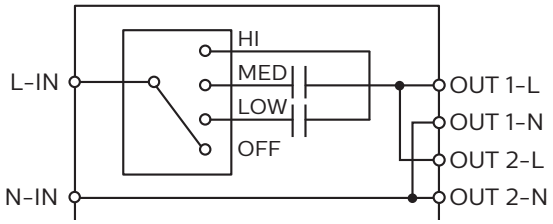
DGFM102

Module Type	Fan control
Output Channels	1

Output Channel Ratings

Load Type	Maximum Rating per Output
Motor x 1	400 VA, 230 VAC*

*Not suitable for 120 VAC (Not UL listed)



DGRM204

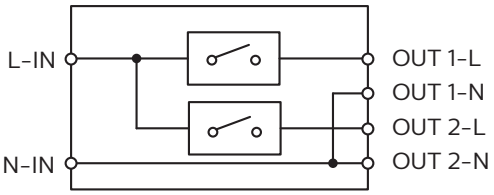
Module Type	Relay control
Output Channels	2

General Load Limit

Maximum Module Load	5 A

Output Channel Ratings

Load Type	Maximum Rating per Output
General Use	4 A, 230 VAC
Incandescent	600 W, 120 VAC 1100 W, 230 VAC
Standard Ballast	2 A, 120 VAC
Electronic Ballasts	4 A, 120 VAC 3 A, 230 VAC

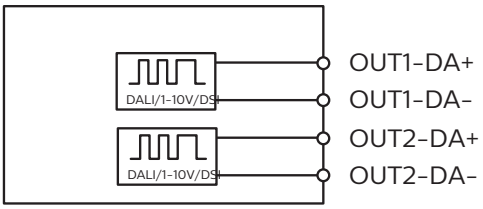


DGBM200

Module Type	Signal dimmer control
Output Channels	2
Supported Protocols	1-10 V DSI DALI Broadcast

Output Channel Ratings

Load Type	Max Ballasts	Maximum Rating per Output
1-10 V	10	10 mA sink/source
DSI/DALI	5	13 VAC 10 mA guaranteed, 250 mA max DALI Insulation System: Basic Supports Class 1 / Class 2 wiring



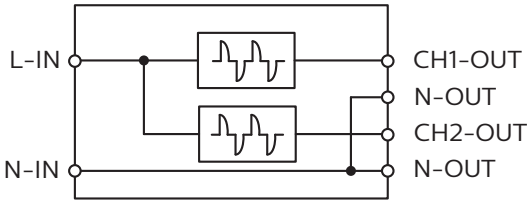
DGLM202

Module Type	Leading edge dimmer
Output Channels	2

Output Channel Ratings

Load Type	Maximum Rating per Output
Incandescent	2 A, 120-230 VAC
Standard Ballast	
Electronic Ballast*	

* Can be limited by load capacitance



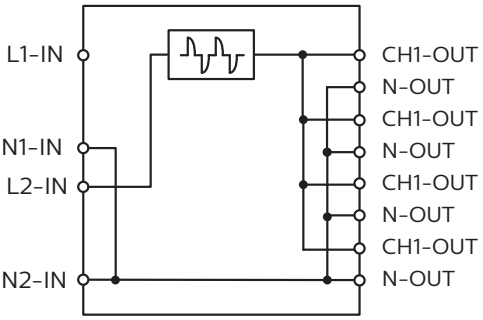
DGLM105 (Double size module)

Module Type	Leading edge dimmer
Output Channels	1

Output Channel Ratings

Load Type	Maximum Rating per Output
Incandescent	5 A, 120-230 VAC
Standard Ballast	
Electronic Ballast*	

* Can be limited by load capacitance



DGLM402 (Double size module)

Module Type	Leading edge dimmer
Output Channels	4

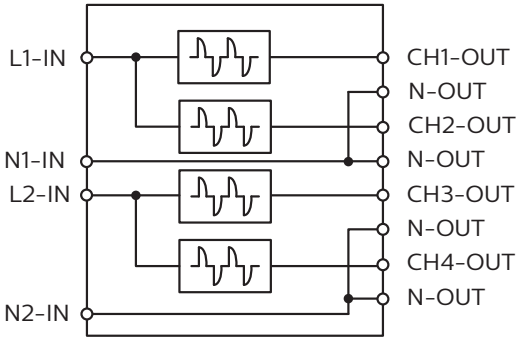
General Load Limit

Maximum Module Load	5 A

Output Channel Ratings

Load Type	Maximum Rating per Output
Incandescent	2 A, 120-230 VAC
Standard Ballast	
Electronic Ballast*	

* Can be limited by load capacitance



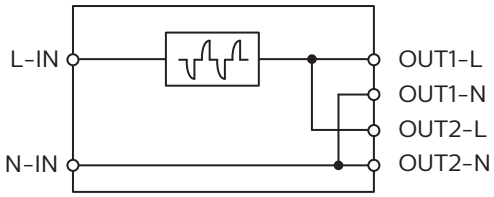
DGTM104

Module Type	Trailing edge dimmer
Output Channels	1

Output Channel Ratings

Load Type	Maximum Rating per Output
Incandescent	4 A, 120-230 VAC
Electronic Ballast	

Not compatible with magnetic transformers



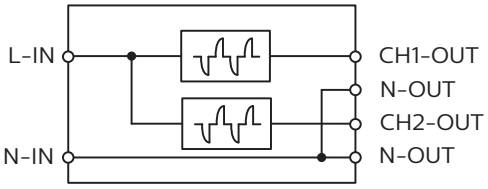
DGTM202

Module Type	Trailing edge dimmer
Output Channels	2

Output Channel Ratings

Load Type	Maximum Rating per Output
Incandescent	2 A, 120-230 VAC
Electronic Ballast	

Not compatible with magnetic transformers



DGTM402 (Double size module)

Module Type	Trailing edge dimmer
Output Channels	4

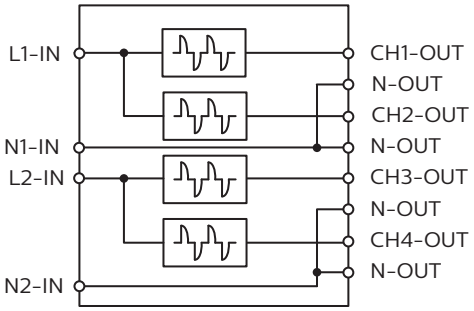
General Load Limit

Maximum Module Load	5 A

Output Channel Ratings

Load Type	Maximum Rating per Output
Incandescent	2 A, 120-230 VAC
Electronic Ballast	

Not compatible with magnetic transformers



Ordering Code

Product	Philips 12NC
DDMC802	913703243509
Modules	
DGCM102	913703024409
DGFM102	913703026709
DGRM204	913703261109
DGBM200	913703261209
DGLM105	913703260809
DGLM202	913703260909
DGLM402	913703261009
DGTM104	913703260609
DGTM202	913703260709
DGTM402	913703024309

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Revision 02 2017-12-12

PHILIPS
dynalite

Relay Controllers

DDRC1220FR-GL

Relay Controller

Robust control of switched loads

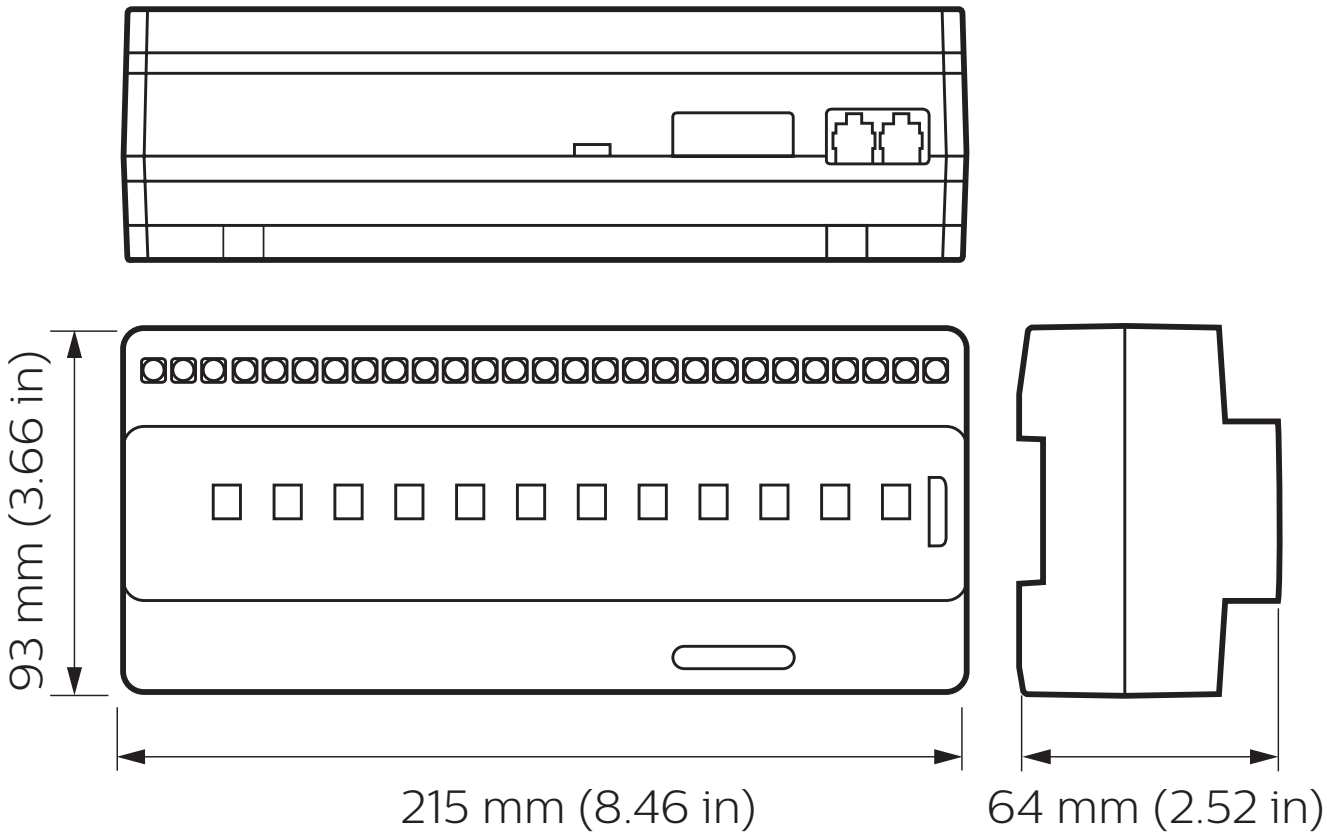
The Philips Dynalite DDRC1220FR-GL provides control of multiple types of switched loads. This general-purpose 12 channel controller supports switched loads of up to 20 A per channel, up to a maximum device load of 180 A.

DDRC1220FR-GL

Robust control of switched loads

- **Feed-through power circuit design** – Electrically equivalent to a 12 pole contactor, with the added advantage of each pole being separately controllable via the DyNet network.
- **Flexible mounting solution** – A DIN-rail mountable device, designed to be installed into the distribution board supplying power to the controlled circuit.
- **Inbuilt diagnostic functionality** – Features circuit run time tracking on each channel and Device Online/Offline status indication.
- **Multiple wiring schemes supported** – Controls single phase and neutral or three phase and neutral (star) wiring configurations.
- **Hardware override** – Service override switch accessible from front panel.

Dimensions



Specifications

Due to continuous improvements and innovations, specifications may change without notice.

DDRC1220FR-GL
Relay Controller

Electrical

Supply Type	Single phase
Suppy Voltage	100-240 VAC
Supply Current	0.25 A
Outputs	12 x SPST feed-through relay with manual override
Output Channel Current	20 A (max)
Maximum Device Load	180 A
Maximum CH-CH Voltage	300 VAC (UL) 400 VAC (CE)
Output Channel Ratings	(See Load Table on Pg 4)
Supported Wiring Schemes	Single Phase and Neutral Three Phase and Neutral (Star)
DyNet DC Output Voltage	12 VDC
DyNet DC Output Current	200 mA (supply for approximately 10 user interfaces)
Overvoltage Category	III

Control

Serial Ports	1 x RS-485
Supported Protocols	DyNet DMX Rx
DMX Rx Channels	12
Dry Contact Inputs	1 (AUX)
Diagnostic Functions	Device online/offline status
User Controls	1 x service switch Manual override switch for each channel
Indicators	1 x diagnostic LED

Physical

Dimensions (H x W x D)	93 x 215 x 64 mm (3.66 x 8.46 x 2.52 in)
Packed Weight	1.1 kg (2.43 lb)
Construction	Polycarbonate DIN rail enclosure (12 unit)
Serial Ports	2 x RJ12 1 x 6-way screw terminal SHLD, GND, D+, D-, +12V, AUX
Serial Port Conductor Size	2.5 mm^2 (#12 AWG) (max)
Supply Terminals	3 x screw terminal Line, Neutral, Earth
Supply Terminal Conductor Size	5 mm^2 (#10 AWG) (max)
Load Terminals	12 x 2-way screw terminal Line IN, Line OUT
Load Terminal Conductor Size	5 mm^2 (#10 AWG) (max)

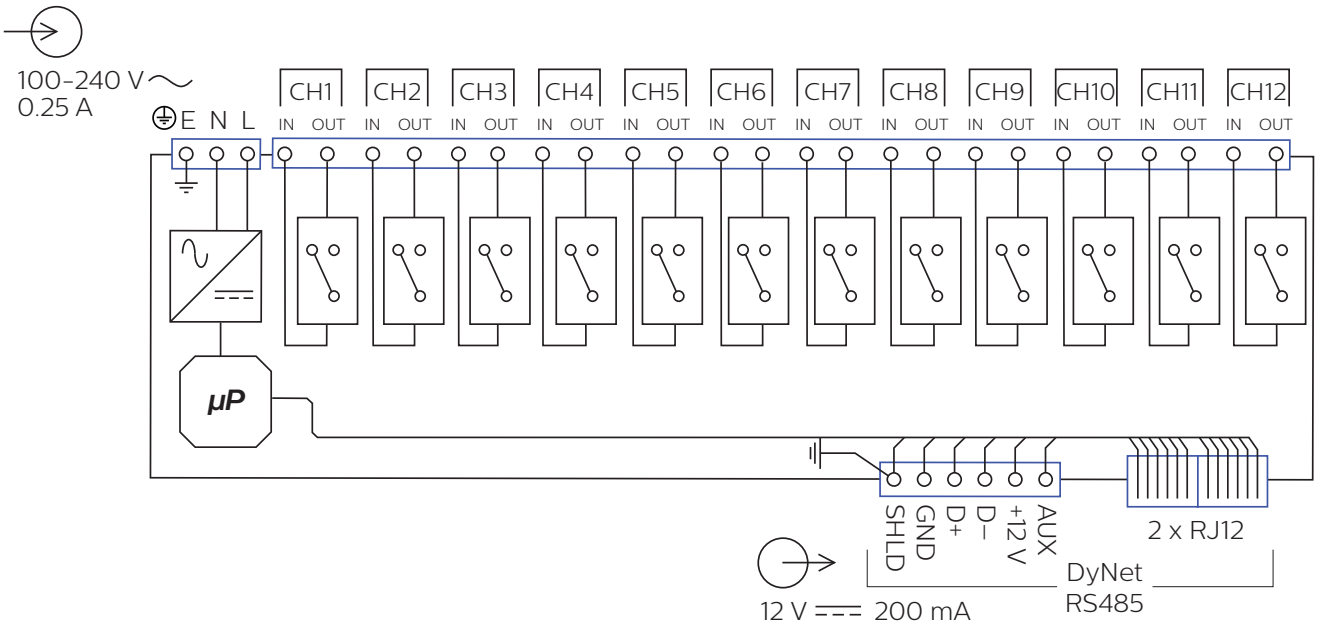
Environment

Operating Temperature	0° to 50°C ambient (32° to 122°F)
Storage/Transport Temperature	-25° to 70°C ambient (-13° to 158°F)
Humidity	0 to 90% non-condensing
IEC Pollution Degree	II

Compliance

Certification	CE, RCM, UL/cUL, FCC, ICES-003, RoHS

Electrical



Output Channel Ratings

Load Type	Maximum Rating per Output*	
	UL/cUL	CE
General Use	16 A, 277 VAC	20 A, 240 VAC
Incandescent		
Standard Ballast		
Electronic Ballast	16 A, 277 VAC	
Motor	16 FLA** (1 HP), 120 VAC 14.5 FLA** (2 ½ HP), 240 VAC 14.1 FLA** (3 HP), 277 VAC	
Inrush Current	500 A	

* Note Maximum Device Load and Maximum CH-CH Voltage on Pg 3
**FLA: Full Load Amps

Ordering Code

Product	Philips 12NC
DDRC1220FR-GL	913703243009

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Revision 04 2017-12-12

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User Interfaces

PAxBPA

AntumbraButton American

Contemporary two-, four-, or six-button panel with light-wash effect

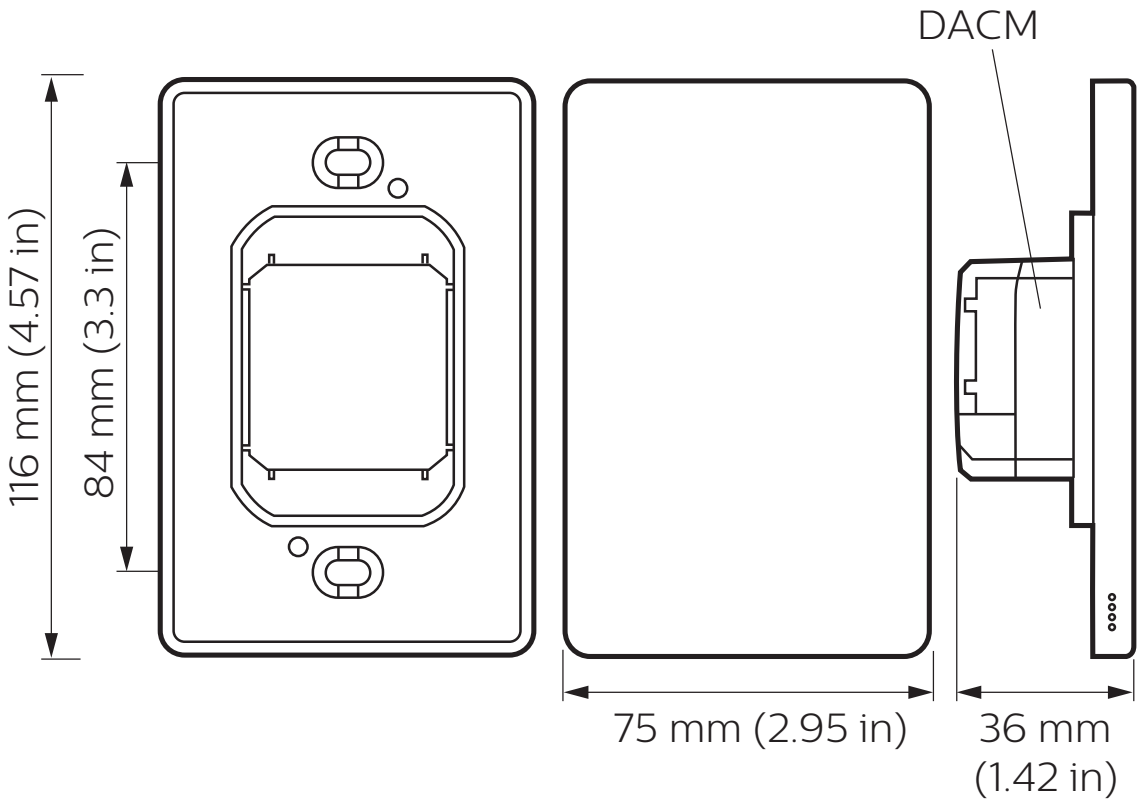
The Philips AntumbraButton user interface features a sleek, contemporary design and incorporates the latest in field effect technology. Each easy-to-press mechanical button can be customized with text or icons and programmed to perform a wide variety of local and site-wide control functions. The PA2BPA, PA4BPA, and PA6BPA ranges are suitable for, but not limited to North American, South American, Australian and New Zealand markets.

PAxBPA

Contemporary two-, four-, or six-button panel with light-wash effect

- **Field effect technology*** – The user interface detects an approaching user and 'wakes up', initiating a wall-wash lighting effect to encourage interaction.
- **Supplied as two components** – The Application Module contains buttons, rim, base and mounting plate, which can be mixed and matched to suit décor. The Communication Module (DACM) contains logical and network functions and can be pre-programmed off-site, allowing commissioning to commence prior to finalizing rim and button options.
- **Hidden sensory inputs** – An internal light sensor measures ambient light and adjusts lightwash effect accordingly. A built-in temperature sensor automatically adjusts air conditioning when integrated into the system.
- **Multiple language and icon labeling** – Button labeling language choices include English, Chinese and Arabic. A library of common icons transcends language barriers, which is particularly useful in hospitality applications.
- **Décor-matching options** – Buttons and rims are available in a range of attractive polycarbonate and metallic finishes.

Dimensions



* The mounting plate must be grounded to avoid field effect false triggering by nearby ungrounded metal objects.

Specifications

Due to continuous improvements and innovations, specifications may change without notice.

PAxBPA
AntumbraButton American

Electrical

Supply Type	DyNet
Supply Voltage	12-24 VDC SELV/Class 2
Supply Current	35 mA @ 12 VDC 20 mA @ 24 VDC

Application Module

User Inputs	2/4/6 x software-configurable buttons
Indicators	White indicator LED on each button White wall-wash backlight
Temperature Sensor Range	5° to 40°C (41° to 104°F)
Temperature Sensor Accuracy	± 1.5°C (± 2.7°F)
Field Effect Detection Range	approx. 15 cm (6 in)

Communication Module

Serial Ports	1 x RS-485
Supported Protocols	DyNet
User Inputs	1 x service switch
Indicators	1 x service LED

Physical

Dimensions (H x W x D)	116 x 75 x 36 mm (4.57 x 2.95 x 1.42 in) (fully assembled)
Packed Weight (application module)	0.19 kg (0.42 lb)
Packed Weight (communication module)	0.12 kg (0.25 lb)
Button/Rim Finish	See Page 4
Serial Ports	1 x 5-way pluggable screw terminal +V, D-, D+, GND, SHLD
Serial Port Conductor Size	2.5 mm^2 (#12 AWG) (max)

Environment

Operating Temperature	-5° to 50°C ambient (23° to 122°F)
Storage/Transport Temperature	-25° to 60°C ambient (-13° to 140°F)
Humidity	0 to 90% non-condensing
IEC Pollution Degree	II

Compliance

Certification	CE, RCM, FCC, ICES, RoHS
IP Rating	IP22

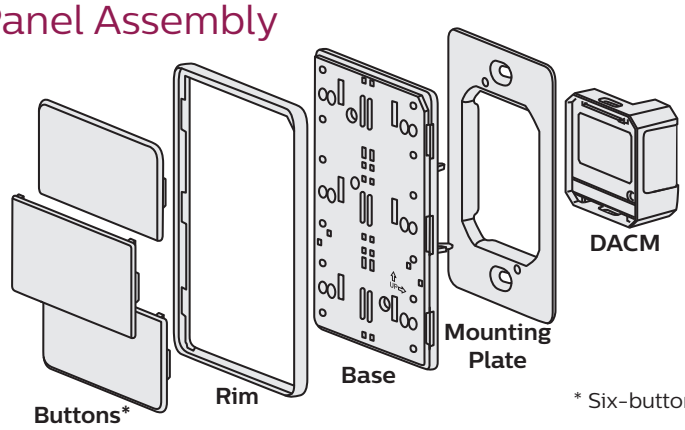
AntumbraButton American Models

PA6BPA - Six buttons

PA4BPA - Four buttons

PA2BPA - Two buttons

AntumbraButton Panel Assembly



* Six-button version shown here

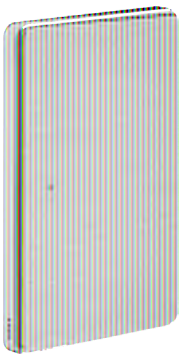
Corona Button Finishes (Polycarbonate)

Magnesium

Silver

White

Flare Button Finishes (Metallic)


Aluminum

Gold

Jet

Noir

Prestige

Vintage

Rim Finishes

Aluminum

Chrome

Magnesium

White

Application Module Ordering Code

The Application Module contains the buttons, rim, base and mounting plate. The buttons and rim are available in the range of finishes shown below.

The base contains all the sensors and LED indicators. Sensitive components are enclosed by a rubber envelope to give an IP22 rating, allowing installation in high-condensation environments such as bathrooms.

A metal mounting plate attaches the Antumbra panel securely to the wall, ensuring stable, reliable operation.

PA6BPA-MA-X

Number of Buttons

6 = Six buttons

4 = Four buttons

2 = Two buttons

Button Finish

Corona (Polycarbonate)

M = Magnesium

S = Silver

W = White

Flare (Metallic)

A = Aluminum

G = Gold

J = Jet

N = Noir

P = Prestige

V = Vintage

Rim Finish

A = Aluminum

C = Chrome

M = Magnesium

W = White

Button Labeling

L = Labeling

X = No labeling

Communication Module Ordering Code

The Communication Module is compatible with all interfaces across the Antumbra series, and can be ordered, programmed, installed, wired and tested without the Application Module attached.

This allows the commissioning process to begin before the final finish options have been chosen, or during construction, and protects the Application Module from damage until the site is ready for occupancy.

Product	Philips 12NC
DACM-DyNet (DyNet communication module)	913703970707

Accessories

DINGUS-DUS-RJ12-DUAL (Dual RJ12 serial adaptor)	913703064309

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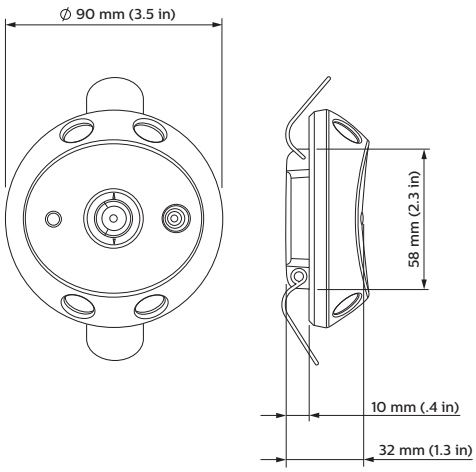
Revision 06 2018-08-16

DUS804CS-UP-NA Multifunction Sensor

Surface mount ceiling sensor with ultrasonic capability

The DUS804C-UP-NA is a surface mountable 360 degree multifunction sensor that combines motion detection (PIR and ultrasonic), Infrared remote control reception (IR) and ambient light level detection (PE) into one device in applications such as offices, lecture theaters and homes.



- Motion detection feature — Detection of motion within scanned area triggers a programmed lighting action.
- Ambient light level detection and daylight harvesting — In applications where it is critical to maintain precise light, the PE function reads ambient levels and adjusts artificial light accordingly.
- Infrared receive capability — Manually adjust light levels using a hand-held remote control, via the inbuilt IR receive sensor of the DUS804CS-UP-NA.
- Daylight Harvesting mode — Delivers automatic energy savings.

For detailed product information, please refer to the product information pages at www.philips.com/lightingcontrolsna.

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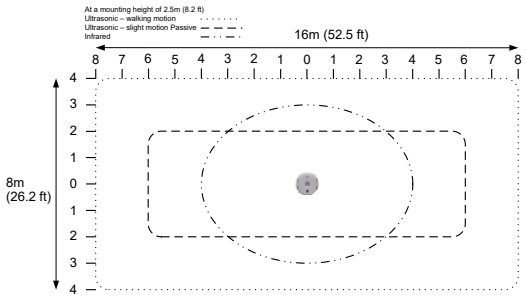
Specifications

Due to continuous improvements and innovations, specifications may change without notice.

Item	Specification	Details
Hardware	Motion Detector	**PIR** Detection area: 21' x 18' (7.4 m x 5.6 m) ellipse (at a height of 8' (2.5 m)) Detection speed: 3.3 ft/s (1.0 m/s) Detection object: 2.3' x 0.8' (700 mm x 500 mm) Detection zones: 64 LED activation indicator Adjustable Pulse Count & Sensitivity Sensor: Quad element pyroelectric RFI Immunity: >15 V/m @ 10-1000 MHz **Ultrasonic** Up to 1500 sq. ft* (50' x 30') major motion detection area Up to 1000 sq. ft* (36' x 30') minor motion detection area Mounting height: 8' Operating frequency: 32.8 KHz * dependent on application area
	PE Cell	Range: 5 - 500 lux (incident on sensor), <5 lux to >5000 lux (illumination of non-reflective surface in sensor's field of view). NB value subject to reflectance properties of surface Automatic 'Daylight Harvesting' mode
	Infrared Remote Control Receiver	Range up to 20' (6 m), angle dependant LED activation indicator Can be used with DTK500 series infrared remotes or other learning IR remote control
	Terminals	5 way terminal strip, 1 x 14 AWG or 2 x 18 AWG max. conductor size
	Controls	Walk test/IR received LED indicator Tamper switch
Network	Control Inputs/Outputs	One RS-485 DyNet serial port
	DyNet DC Load	50 mA max. @ 16 VDC
	Configurations	All functions remotely programmable
Physical	Dimensions (H x W x D)	3.5" dia. x 1.3" (90 mm dia. x 32 mm)
	Packed Weight	0.55 lbs (0.25 kg)
	Construction	ABS plastic enclosure
	Operating Conditions	Temperature: 32 to 113° F (0 to 45° C) ambient Humdity: 10 to 90% non-condensing
	Storage & Transport	Temperature: -13 to 140° F (-25 to 60° C) ambient Humidity: 0 to 90% non-condensing
Certification	Certification	FCC, RoHS Compliant
Options & Ordering	Standard Product	DUS804CS-UP-NA (Philips 12NC - 913703570709)
	CAT5/CAT6 Wiring Adapter	DRJ485ADAPT

Lens Pattern



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Tel: 1-800-526-2731
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Limited Warranty: Indoor Controls

Signify North America Corporation (“Signify”) warrants to the original purchaser (“Purchaser”) that the Signify branded control products identified on Schedule 1 (“Products”) will be free from defects in material and workmanship which cause the Product to fail to operate in accordance with the performance specifications set forth in documentation published for or provided with the Product (“Specifications”) for the applicable period and subject to the additional terms and conditions set forth on Schedule 1 from (unless otherwise noted on Schedule 1) date of shipment by Signify (“Warranty Period”).

If any Product covered by this limited warranty is returned by Purchaser in accordance with Signify Terms and Conditions of Sale (available at **www.Signify.com/warranties**) within the Warranty Period, and Signify determines to its satisfaction that such Product failed to satisfy this warranty, Signify will, at its option, repair or replace the Product or the defective part thereof, or reimburse Purchaser for the purchase price, subject to the terms and conditions set forth herein. For purposes of clarity, "repair or replace the Product or the defective part thereof" does not include any removal, commissioning, programming, or reinstallation costs or expenses, including, without limitation, any labor costs or expenses, shipping costs to return non-conforming Products or any damages that may occur during the return of Product to Signify. If Signify chooses to replace the Product and is not able to do so because it has been discontinued or is not available, Signify may replace it with a comparable product. Signify reserves the right to use new, reconditioned, refurbished, repaired or remanufactured products or parts in the repair or replacement of any Product covered by this limited warranty.

This limited warranty is subject to these additional conditions:

- The Products have been properly handled, stored, wired, transported, installed, operated and maintained in accordance with the applicable Specifications.
- A Signify representative will have access to the failed Products and the fixtures used to operate them. If the fixture or other parts become suspect, the representative shall have the right to invite other manufacturers’ representatives to evaluate the lighting system components.
- The Product has been purchased directly from an authorized Signify distributor/dealer for use in regions that are within the jurisdiction of the United States or Canada.
- Third party products incorporated into the control system that are not manufactured by Signify are excluded from this warranty, but may be covered by a third party manufacturer. Such third party manufacturer shall be solely responsible for the costs related to any claims associated with any such component.
- If applicable, purchase receipt for the Product is available for inspection by Signify.

Warranty Indoor Controls

This limited warranty does not apply to damage or failure to perform arising as a result of any acts of God or from any abuse, misuse, abnormal use, improper power supply, powers surges or fluctuations, corrosive environments, neglect, exposure or any use or installation in violation of the instructions or restrictions prescribed by Signify or any applicable standard or code, including those contained in the latest National Electrical Code, Standards for Safety of Underwriters Laboratory, Inc. (UL), the American National Standards Institute (ANSI), or, in Canada, the Canadian Standards Association (CSA). No agent, distributor or dealer is authorized to change, modify or extend the terms of this limited warranty on behalf of Signify. THIS LIMITED WARRANTY IS VOID IF THE PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH IT IS DESIGNED OR IF ANY REPAIRS OR ALTERATIONS ARE MADE BY ANY PERSON NOT AUTHORIZED BY SIGNIFY IN WRITING.

THIS LIMITED WARRANTY IS THE ONLY WARRANTY GIVEN BY SIGNIFY WITH RESPECT TO THE PRODUCTS AND THE SOLE REMEDY FOR ANY AND ALL CLAIMS, IN CONTRACT, IN TORT OR OTHERWISE ARISING FROM THE FAILURE OF PRODUCT AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH WARRANTIES ARE HEREBY EXPRESSLY DISCLAIMED. PURCHASER'S EXCLUSIVE REMEDY FOR ANY NONCONFORMITY OR DEFECT IN ANY PRODUCT SHALL BE ONLY AS EXPLICITLY SET FORTH HEREIN. UNDER NO CIRCUMSTANCES SHALL SIGNIFY' AGGREGATE LIABILITY ARISING OUT OF OR IN CONNECTION WITH A DEFECTIVE PRODUCT, IN CONTRACT, TORT OR OTHERWISE, EXCEED THE PURCHASE PRICE OF THE PRODUCT TO WHICH SUCH LIABILITY RELATES. IN NO EVENT SHALL SIGNIFY BE LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL, INDIRECT OR COMPENSATORY DAMAGES, INCLUDING, WITHOUT LIMITATION, DAMAGES RESULTING FROM LOSS OF USE, PROFITS, BUSINESS OR GOODWILL EVEN IF SIGNIFY WAS ADVISED OF OR WAS OTHERWISE AWARE OF THE POSSIBILITY OF SUCH DAMAGES.

This limited warranty is effective for the purchases of the Product on or after the effective date set forth herein and is in consideration of and is expressly subject to and conditioned by the terms set forth herein. Signify reserves the right to modify this warranty from time to time and any modifications shall be effective for all orders placed on or after the effective date of such revised warranty.

Warranty Indoor Controls

Schedule 1: All Signify indoor controls systems not otherwise described below shall have a warranty period of 1 year.

Signify indoor controls product lines	Included products	Warranty Period	Special Conditions
Actilume	All Products	5 years	
Luxsense	All Products	5 years	
Microluxsense	All Products	5 years	
Connected Power over Ethernet	All Products	5 years	
Lyteswitch 2	All Products	5 years	
Optio	All Products	5 years	
Dynalite	All Products	5 years	
Occuswitch Classic	All Products	5 years	
Sunrise	All Products	5 years	

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Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALC-031-CL

Revision 1

Real Living Decor Package

Issue Date: Nov 23, 2022
Revision Date:

Item Name	Lighting Controls
Item Type	Fitness Center Dimming System
Description	Centralized Dimming System
Manufacturer	Cooper Lighting - Greengate
Model	Refer to Notes
Color	Controls - White
CSI #	260933 - Central Dimming Controls
Omniclass #	22 - 260933 - Central Dimming Controls
Notes	Fitness Dimming System Components: 2 Qty: Greengate Occupancy Sensors OAC-DT-2000-R MicroSet Dual Technology 2000 sq ft ceiling sensor w/BAS Relay & Daylight Sensor 2 Qty: Room Controller OCC-RJ45 RJ45 to standard Greengate Low Voltage Occupancy Sensor also BMS and Egress output Device 1 Qty: Room Controller RC-5TSB-OS2-W White 5 Small Button Office Station Pre-Engraved (Half Lights, Full Lights, Raise, Lower, All Off) 1 Qty: Greengate Panels HHPR-RC Personal Control/Scene Programmer 1 Qty: Room Controller RC3D-PL 3 Relay + 3 Dimmers Room Controller 120/277VAC 1 Qty: Room Controller DSRC-FMOIR Daylight Sensor - Multizone ceiling or fixture mount

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 2

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

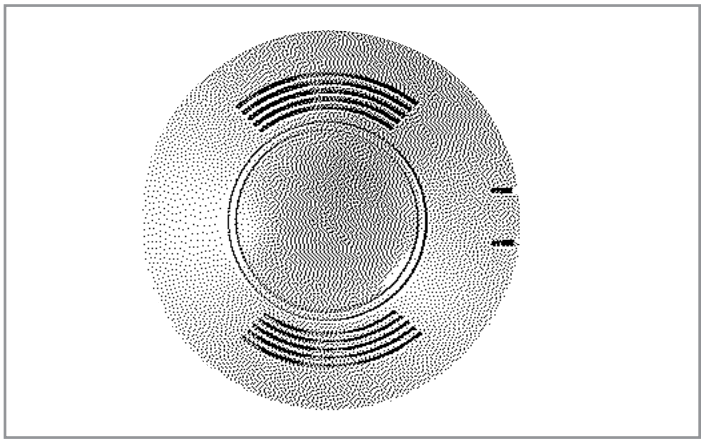
ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Fitness Center

Project		Catalog #	OAC-DT-2000-R	Type	ALC-031
Prepared by		Notes		Date	



Greengate

OAC-DT-MicroSet Dual Tech

Low Voltage Ceiling Sensor

Typical Applications

Classrooms • Conference Rooms • Office Spaces • Common Areas • Computer Rooms • Break Rooms • Hallways • Other Indoor Office Spaces

Interactive Menu

- Order Information page 2
- Additional Resources page 2
- Wiring Diagrams page 3
- Connected Systems page 4
- Product Warranty

Product Certification

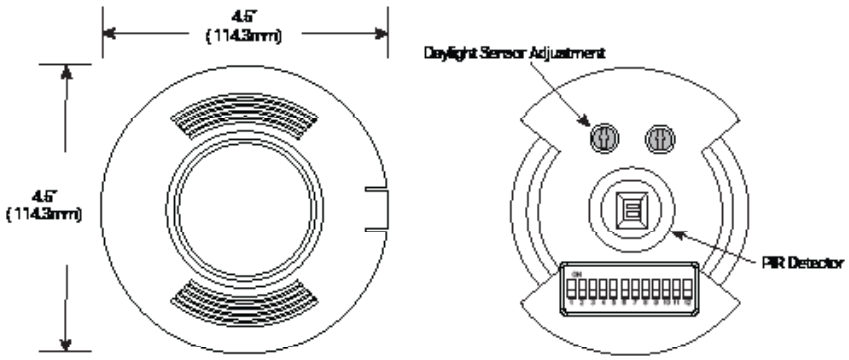
Product Features

PIR Activated | Ultrasonic Activated | Self-Adjusting

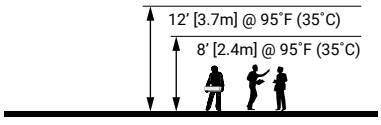
Top Product Features

- MicroSet self-adjusting Time Delay and sensitivity
- Optional built-in light level sensor
- Optional BAS/HVAC isolated relay
- Products tested to NEMA WD 7 - 2011 Occupancy Motion Sensors Standard
- Selectable Walk-Through Mode
- Dual Relay control

Dimensional and Mounting Details



Scale or Mounting Height



additional product diagrams

Greengate OAC-DT-MicroSet

Order Information

SAMPLE ORDER NUMBER: **OAC-DT-2000-R, OAC-DT-2000, OAC-DT-1000-R, OAC-DT-1000, OAC-DT0501-R, OAC-DT-0501**
One single gang wallplate included

Catalog Number	Maximum Room Size	Field of View	Freqency	Features
OAC-DT-2000-R	2,000 sq. ft.	Two Way (360°)	30 kHz	w/ BAS Relay & Daylight Sensor
OAC-DT-2000	2,000 sq. ft.	Two Way (360°)	32 kHz	
OAC-DT-1000-R	1,000 sq. ft.	Two Way (360°)	32 kHz	w/ BAS Relay & Daylight Sensor
OAC-DT-1000	1,000 sq. ft.	Two Way (360°)	32 kHz	
OAC-DT-0501-R	500 sq. ft.	One Way (180°)	40 kHz	w/ BAS Relay & Daylight Sensor
OAC-DT-0501	500 sq. ft.	One Way (180°)	40 kHz	

Product Specifications

Technology

- Passive Infrared (PIR) and Ultrasonic (US)

Mechanical

Size: 1.42" H x 4.5" W (36.068mm x 114.3mm)
Mounting: Mounts directly to ceiling tile, to a 4" square box and round mud ring or to 4" octagon box
Environment:

- **Operating temperature:** 32°F to 104°F (0°C to 40°C)
- **Relative humidity operating:** 20% to 90% non-condensing
- For indoor use only

Housing: Durable, injection molded housing. Polycarbonate resin complies with UL 94V-0

Electrical

Power Requirements:

- Input
  - 10-30 VDC from Greengate Switchpack or Greengate system
  - Maximum current needed is 25mA per sensor
- Output
  - Open collector output to switch up to ten Greengate Switchpacks
  - BAS with Isolated Form C Relay in (-R) model
  - Isolated Form C Relay Ratings: 1A 30 VDC/VAC

Hardware Specifications

LED Indicators:

- Red LED for PIR detection; Green LED for Ultrasonic detection

Controls and Performance

Time delays:

- Self-adjustable, 15 seconds/test (10 minutes Auto), or Selectable 5, 15, 30 minutes, or Zero Time Delay

Coverage:

- 500, 1000, and 2000 sq. ft.

Light sensing level (-R Models):

- 0 to 300 foot candles

Standards/Ratings

- cULus Listed - Energy Management Equipment (UL916)
- FCC Compliant
- RoHS Compliant

Warranty

Five year warranty standard

Overview

The Dual Technology sensor's combination of Ultrasonic and Passive Infrared technologies offers the most complete sensing equipment available today. MicroSet self-adjusting Dual Technology sensors drastically simplify and reduce a contractor's installation and adjustment time period.

The MicroSet self-adjusting technology continuously monitors multiple sub-frequencies in the event that if a continuous Doppler shift occurs, such as those created by airflow from an air duct, the sensor will identify the noise as continuous and then block it out of view at a select sub-frequency. It will continue to monitor other sub-frequencies for human motion. This avoids false-activation, while still maintaining the high level of sensitivity that is necessary for sensing minor motion in a changing environment. Separate concurrent time delays for both Passive Infrared and Ultrasonic technologies avoid false activations or deactivations. In Automatic On Mode, the lights turn ON when a person enters the room. In Manual On Mode (-R model only), the lights are turned ON by activating a momentary switch (model # GMDS-*) that is connected to the sensor. When enabled, the daylighting feature (-R models only) prevents lights from turning ON when the room is adequately illuminated by natural light.

Wiring Diagrams

OAC-DT-2000-R Model

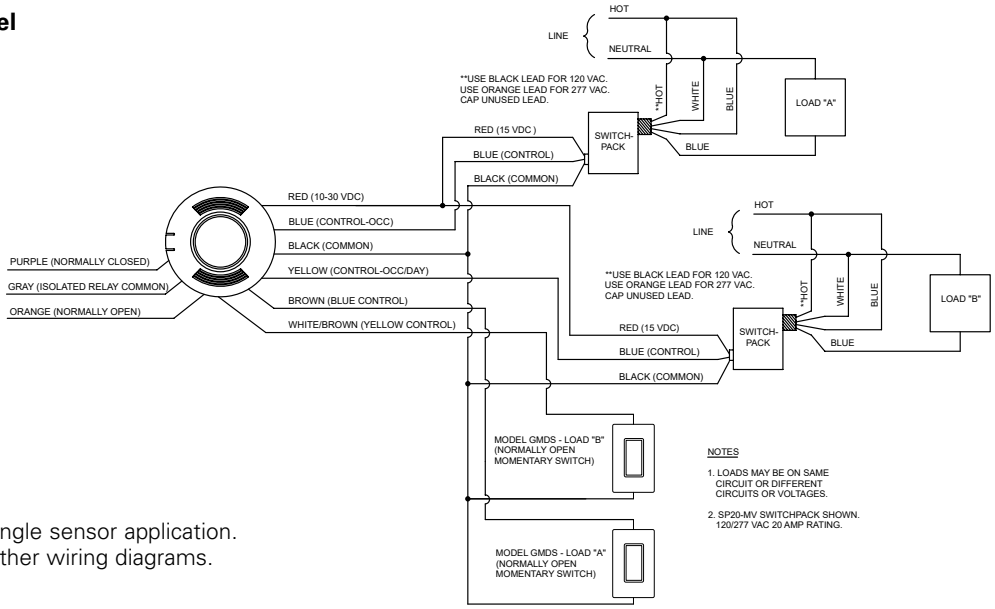
OAC AND VAC MANUAL MODE OPERATION:

1. SWITCHES ARE REQUIRED TO TURN CORRESPONDING LOADS ON.
2. LOADS TURN OFF WHEN SENSOR TIMES OUT OR WITH SWITCHES.
3. IF DAYLIGHT SENSOR IS ENABLED AND LIGHT LEVEL IS ABOVE SETPOINT, SWITCHPACK CONNECTED TO YELLOW LEAD WILL NOT TURN LOAD ON.

OAC AUTOMATIC MODE OPERATION:

1. WHEN SENSOR ACTIVATES, BOTH LOADS TURN ON.
2. SWITCHES CAN BE USED TO TURN LOADS ON OR OFF.
3. IF DAYLIGHT SENSOR IS ENABLED AND LIGHT LEVEL IS ABOVE SETPOINT, SWITCHPACK CONNECTED TO YELLOW LEAD WILL NOT TURN LOAD ON.

RECOMMENDED WIRE:
18-3 AWG STRANDED WIRE SHIELDED OR NON/SHIELDED



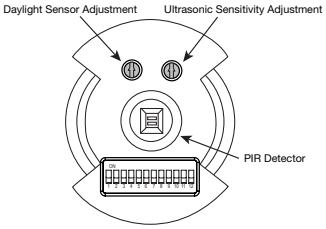
*Wiring diagram for single sensor application.
Visit our website for other wiring diagrams.

Controls

DIP Switch Legend

	Time Delay		Not Used		PIR Sensitivity	Walk-Through Mode	LEDs	Override	Not Used	Daylighting	Bathroom Mode	Relay Swap
DIP Switch	1	2	3	4	5	6	7	8	9	10	11	12
Auto*	▼	▼			Full ▼	Disable ▼	Enable ▼	Disable ▼		Relay 2 ▼	Disable ▼	Disable ▼
5 Minutes	▼	▲			50% ▲	Enable ▲	Disable ▲	Enable ▲		Relay 1 & 2 ▲	Enable ▲	Enable ▲
15 Minutes	▲	▼										
30 Minutes	▲	▲										
Self-Adjusts to 10 min. user mode										(DMV model only)	(DMV model only)	(DMV model only)

Default =

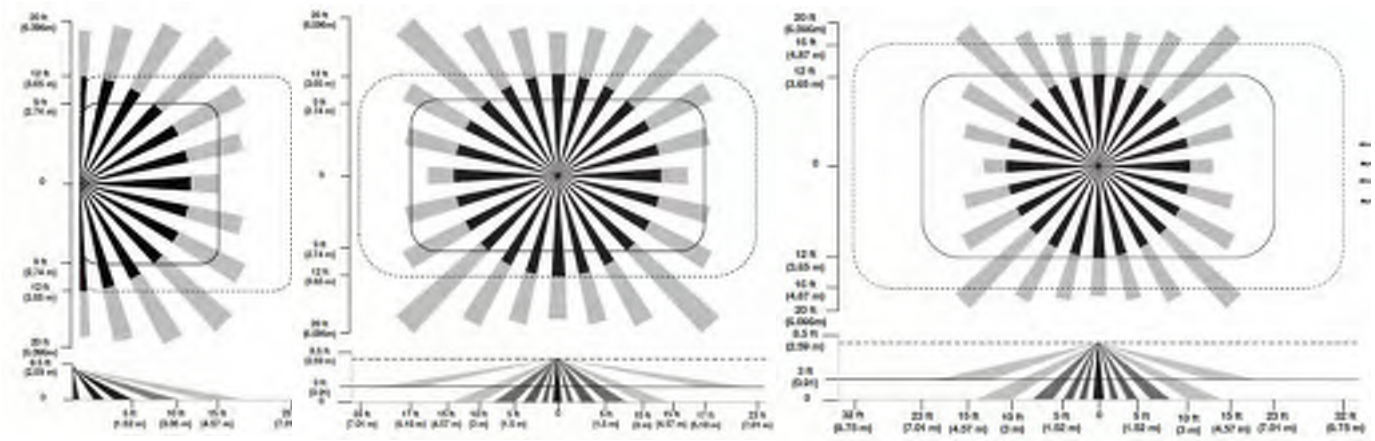


Field of View

OAC-DT-0501-R
500 sq. ft.

OAC-DT-1000-R
1,000 sq. ft.

OAC-DT-2000-R
2,000 sq. ft.



Ceiling Height = 8.5 ft

Control Systems

- Greengate

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Custom Text Order Form

Used for GDS, Ineo, FifthLight & WaveLinx custom wallstation engraving

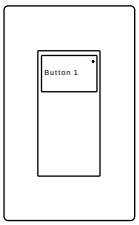
ALC-031-CL

Controls Services

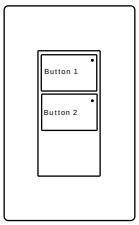
Sales Order #: _____ **Line #:** _____

2 Select your button configuration: *(choose only one per wallstation form)*

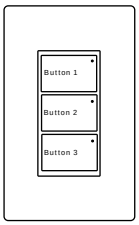
**Configurations with a "RL" are not supported with GDS wallstations.*



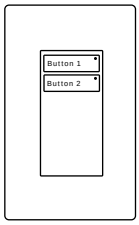
○ **ENGRV-1BTNL-***
1 Large button



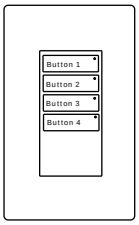
○ **ENGRV-2BTNL-***
2 Large buttons



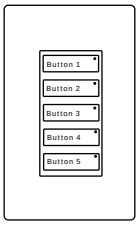
○ **ENGRV-3BTNL-***
3 Large buttons



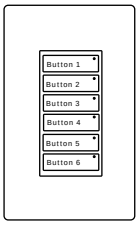
○ **ENGRV-2BTNS-***
2 Small buttons



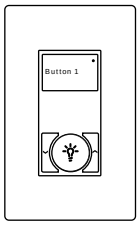
○ **ENGRV-4BTNS-***
4 Small buttons



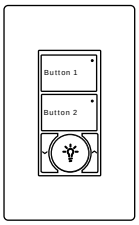
○ **ENGRV-5BTNS-***
5 Small buttons



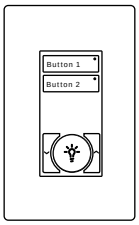
○ **ENGRV-6BTNS-***
6 Small buttons



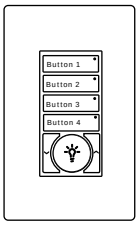
○ **ENGRV-1BTNL-RL-***
1 Large button
Raise & Lower
On / Off



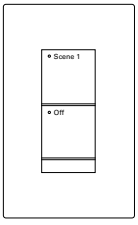
○ **ENGRV-2BTNL-RL-***
2 Large buttons
Raise & Lower
On / Off



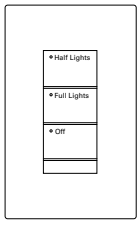
○ **ENGRV-2BTNS-RL-***
2 Small buttons
Raise & Lower
On / Off



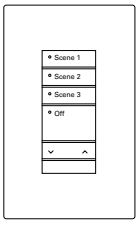
○ **ENGRV-4BTNS-RL-***
4 Small buttons
Raise & Lower
On / Off



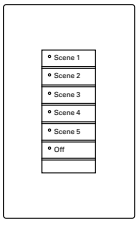
○ **ENGRV-WB2L**
2 Large buttons
WaveLinx Battery
Wallstation



○ **ENGRV-WB3L**
3 Large buttons
WaveLinx Battery
Wallstation



○ **ENGRV-WB5**
5 buttons
WaveLinx Battery
Wallstation



○ **ENGRV-WB6S**
6 Small buttons
WaveLinx Battery
Wallstation

Please e-mail completed form to your Product Specialist upon Flash Order Submission.

- Allow 4-6 weeks for delivery from PO confirmation.
- Confirmation subject to approval.
- All wallstations ordered with custom text are non-returnable.

1 Select your color: *(choose only one)*

White *(W)*	Ivory *(V)*	Gray *(G)*	Black *(B)*
○	○	○	○

Red buttons are available on some models as a product deviation request (PDR)

3 Select your desired engraving:

(choose only one)

Red buttons are available on some models as a product deviation request (PDR)

First Letters Capitalized, Arial Font, 11 characters, 11pt font size *(default)*

All engraving information should be typed not hand written.

○ **Sample 1: Small Button**
LIMITED TO (1) LINE OF ENGRAVING PER BUTTON

Sample Text

○ **Sample 2: Large Button**
LIMITED TO (2) LINES OF ENGRAVING PER BUTTON

Sample Text

Sample Text On 2 Lines

For blank buttons use check box next to appropriate buttons space

Blank ○ **Button 1** _____

Blank ○ **Button 2** _____

Blank ○ **Button 3** _____

Blank ○ **Button 4**** _____

Blank ○ **Button 5**** _____

Blank ○ **Button 6**** _____

****Buttons 4, 5 & 6 only apply when using a small button arrangement.***

Contact Information

Project Name: _____

Room: _____

Control Address: _____

P.O. #: _____

Page : _____ **Quantity:** _____

COOPER Lighting Solutions

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5925 McLaughlin Road
Mississauga, Ontario L5R 1B8
P: 905-501-3000
F: 905-501-3172

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Product availability, specifications, and compliances are subject to change without notice.

PA503003EN
May 2020

Technical Data

Effective September 1, 2016

Input/Output Device

Catalog#	Prepared by
Project	Date
Comments	Type

Overview

The Input/Output Device (OCC-RJ45) provides connection of any Greengate low voltage occupancy sensor, or other low voltage maintain closure, to the Room Controller or DLVP power module to define the occupancy state of the space. The OCC-RJ45 also can be used as an output to the HVAC system, third party systems or switchpacks based upon room occupancy status.

Features

- Input/Output integration
- Automatically provide Egress or HVAC integration based on room occupancy junction box
- Allows connection of standard switchpacks

Powering Business Worldwide

Specifications

Electrical Rating	Class 2, LPS
Voltage	24 VDC supplied from Room Controller, DLVP power module or Switchpack
Operating Environment	Temperature: 32°F to 104°F (0°C to 40°C)
	Less than 95%, non-condensing
	For indoor use only
Standards	UL 508 Listed

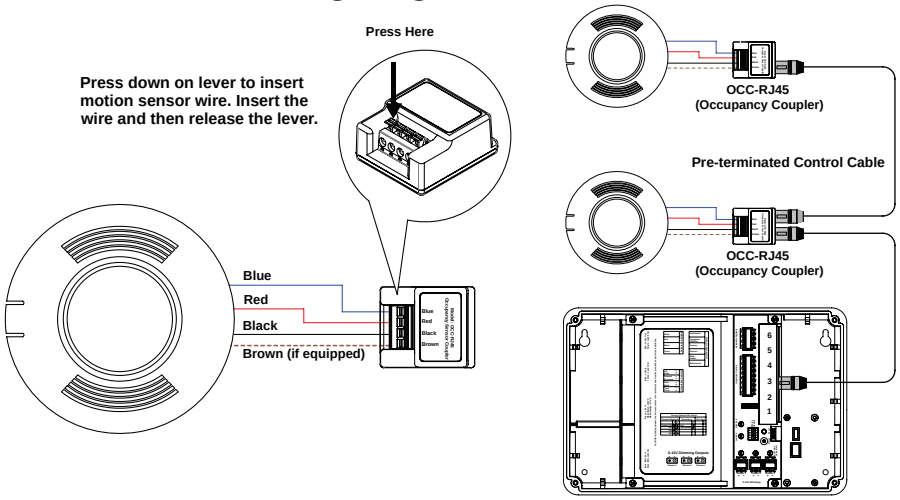
Description/Operation

The Input/Output Device (OCC-RJ45) is ready and works immediately upon power up, providing Occupancy based inputs or outputs out-of-the-box, removing the need for field programming and reducing installation time.

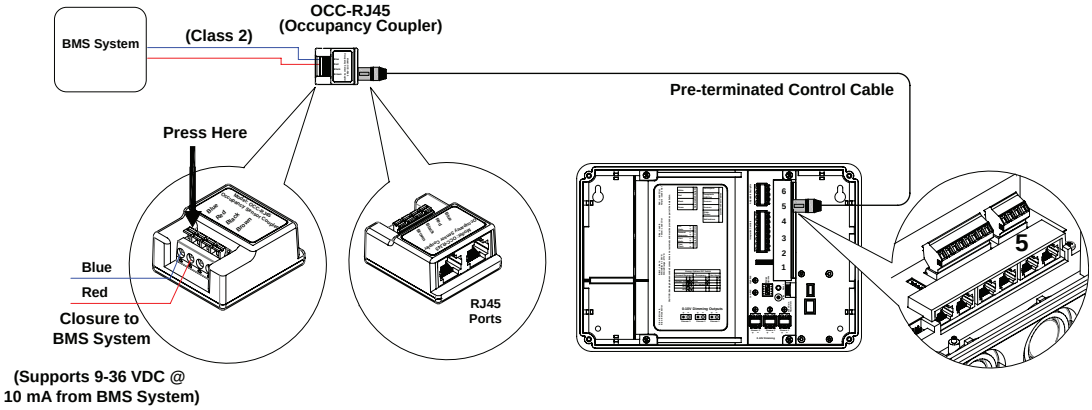
Installation

Low-voltage devices are connected using provided pre-terminated control cables (ordered separately).

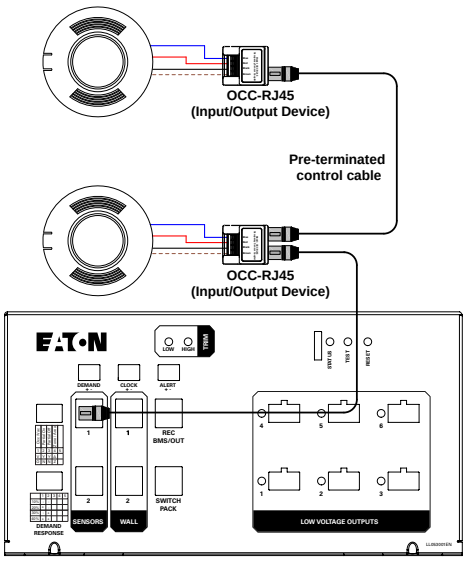
Room Controller Wiring Diagrams



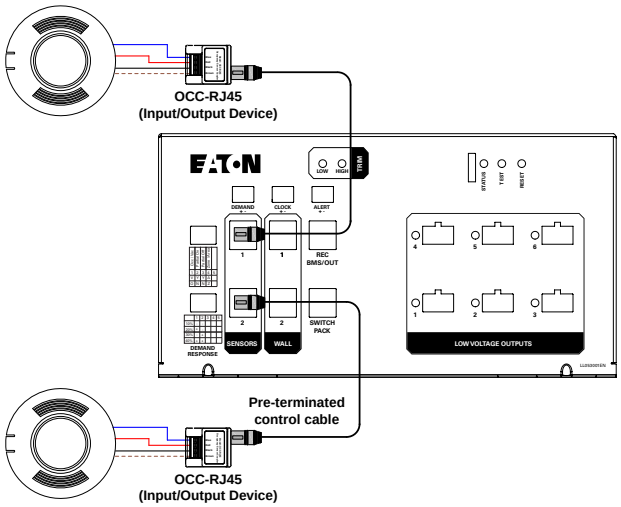
Connect the OCC-RJ45 Coupler to the BMS system. Closure will be made across the Blue and Red wire locations. Connect a pre-terminated control cable between the Receptacle/BMS Out RJ45 port on the Room Controller (port 5) or DLVP power module and to one of the ports on the OCC-RJ45 ports.



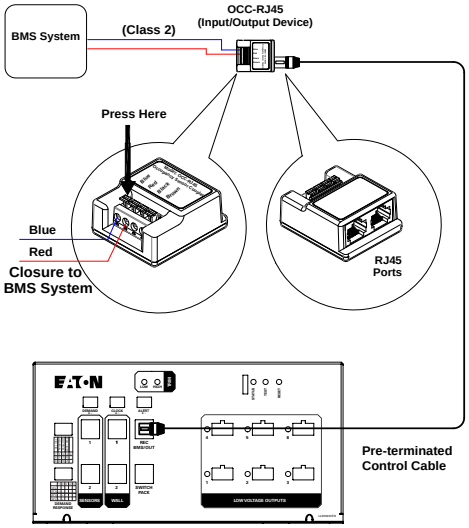
DLVP Wiring Diagrams



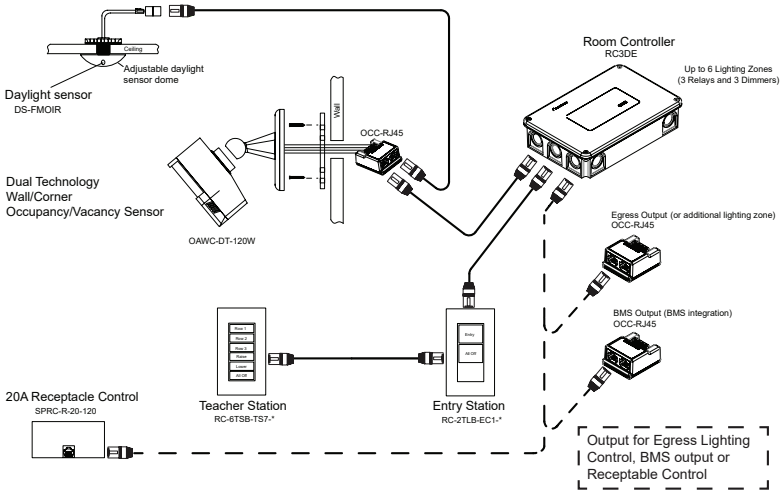
OR



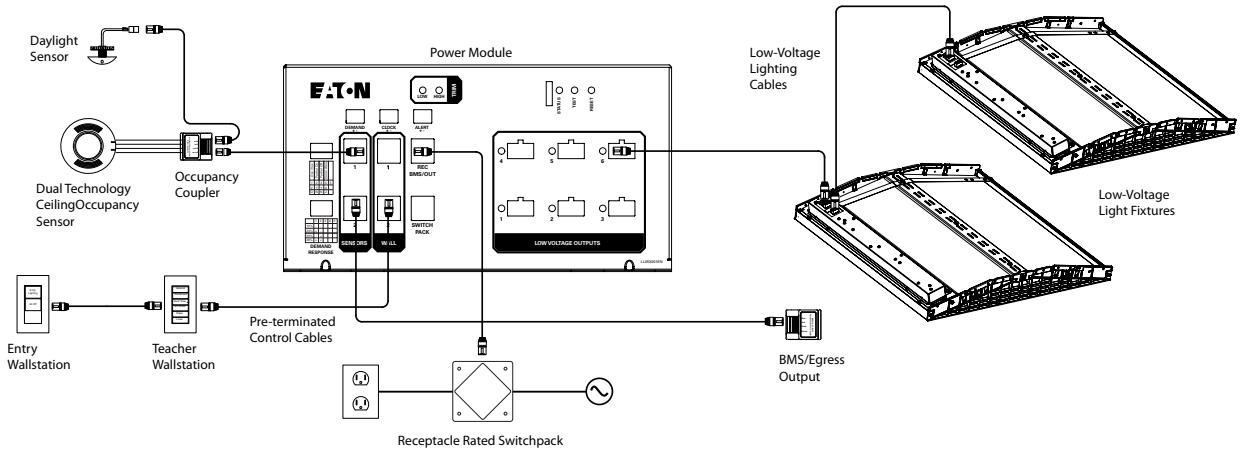
Connect the OCC-RJ45 Input/Output Device to the BMS system. Closure will be made across the Blue and Red wire locations. Connect a pre-terminated control cable between the REC/BMS/OUT RJ45 port on the Power Module and to one of the ports on the OCC-RJ45 ports.



Sample Room Controller System Topology



Sample DLVP System Topology



Ordering

Catalog #	Desctiption
OCC-RJ45	Input/Output Device

*One OCC-RJ45 is automatically included with each occupancy sensor when the Room Controller is ordered as a QuicKit.

**See Greengate low voltage occupancy sensor spec sheet for occupancy sensor information.

Eaton
1121 Highway 74 South
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P; 770-486-4800
www.Eaton.com/lightignsystems
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Publication No. TD503087EN
September 27, 2016

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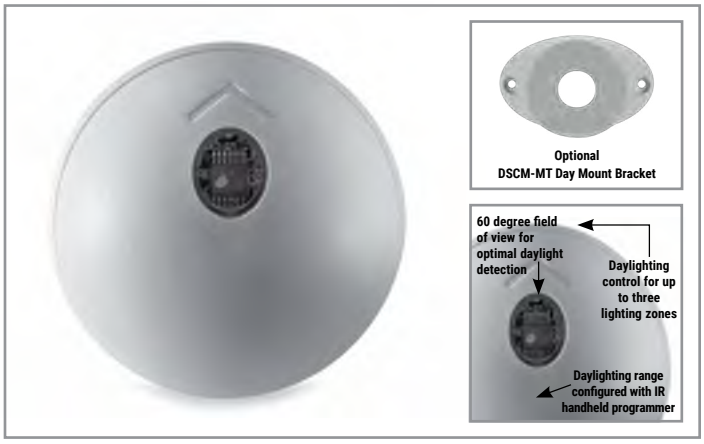
Specifications and dimensions subject to change without notice.

Project		Catalog #	DSRC-FMOIR	Type	ALC-031
Prepared by		Notes		Date	



Greengate

Open Loop

Daylight Sensor/IR Receiver

Interactive Menu

- Order Information page 2
- Additional Resources page 2
- Wiring Diagrams page 3
- Connected Systems page 5
- Product Warranty

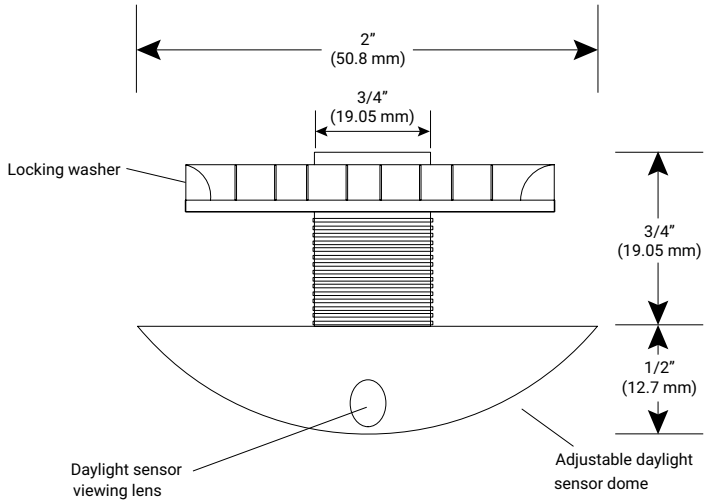
Product Certification

c UL us

Top Product Features

- RJ45 connection
- Easily installed in suspended fixture or drop ceiling
- Three light sensor ranges (3-300 lux, 30-3000 lux, 300-30000 lux)
- Feedback LED
- Mounting bracket for installation in light well or hard ceiling

Dimensional and Mounting Details



additional product diagrams

Greengate Open Loop Daylight Sensor/IR Receiver

Order Information

SAMPLE ORDER NUMBER: **DSRC-FMOIR, DSCM-MT**

Catalog Number	Description	Connection	Range
DSRC-FMOIR	Open Loop Daylight Sensor/IR Reciever (GGRC-COUPLER included)	RJ45	Low (3-300 lux) High (30-3000 lux) Direct Sun (300-30000 lux)
DSCM-MT	Daylight Sensor Mounting Bracket		

Optional Accessories

Room Controller	Description
HHPRG-RC	Handheld daylight zone remote programmer
HHPR-RC	Room Controller Personal Remote

DLVP	Description
LVHH-01	DLVP Programming Remote
LVHH-02	DLVP Personal Remote

Product Specifications

Electrical
- Class 2, LPS

Mechanical
Size: Sensor Head: 2" W x 1/2" H (50.8 mm x 12.7 mm)
Mounting Stem: 3/4" H x 3/4" W (19.05 mm x 19.05 mm)
Environment:
- **Operating temperature:** 32°F to 104°F (0°C to 40°C)
- **Relative humidity operating:** Less than 95%, non-condensing
- For indoor use only

Mounting: Height and position changes depending on application.

Voltage
Voltage:
- 24 VDC supplied controller

Connection:
- RJ45

Light Sensor Range
- Low: (3-300 lux)
- High: (30-3000 lux)
- Direct Sun: (300-3000 lux)

Status Indicator
- Multi-funtion Red and Green LEDs
- Selectable 5, 15, 30 minutes

Standards/Ratings
- cULus Listed - Energy Management Equipment (UL916)
- UL 508 Listed

Warranty
Five year warranty standard

Overview

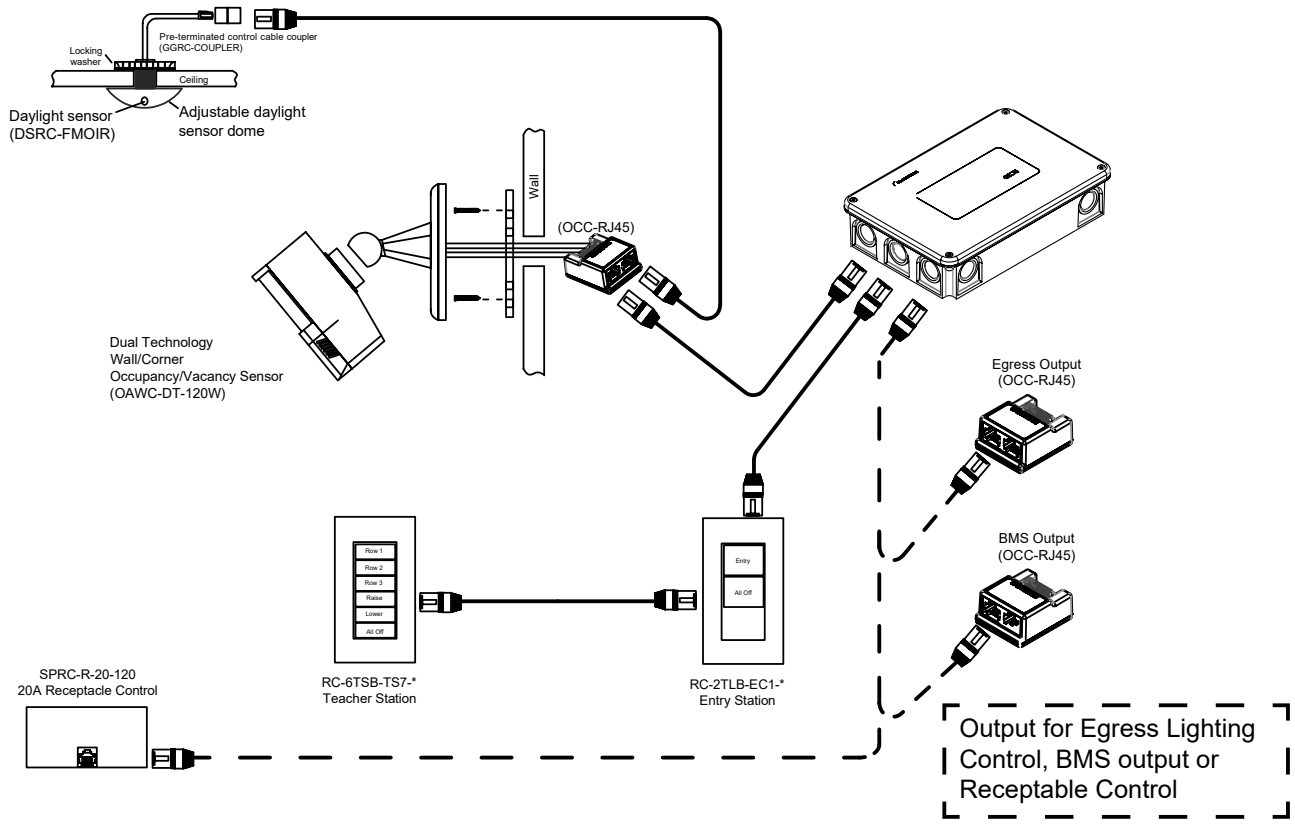
The DSRC-FMOIR is an open loop daylight sensor that measures the natural light contribution in order to automatically adjust lighting zones. It is part of the Room Controller and DLVP system and provides three easily distinguished light levels, Low (3-300 lux), High (30-3000 lux) and Direct Sun (300-30000 lux). The sensor range can be adjusted using the IR handheld programmer.

The DSRC-FMOIR is powered by the Room Controller or DLVP power module Class 2 power supply and is pre-configured to automatically adjust the dimming zones based on the natural light contribution. The DSCM-MT mounting bracket allows the daylight sensor to be mounted to a hard ceiling or a light well. The handheld remote programmer simplifies light sensor range setting by using simple language to describe the ranges (Low, High, Direct Sun) in addition to standard foot candle values. Individual zone control buttons allow the lighting levels and dimming curves to be adjusted in the Room Controller unit via the Daylight Sensor using the HHPRG-RC personal remote. Additional information on preset dimming curves and adjustments can be found in the installation instructions for Room Controller.

Low-voltage devices are connected using pre-terminated control cables (ordered separately).

Wiring Diagrams

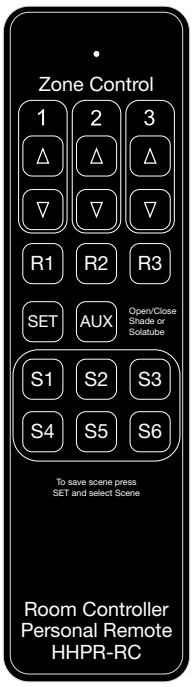
Room Controller System Architecture Topology



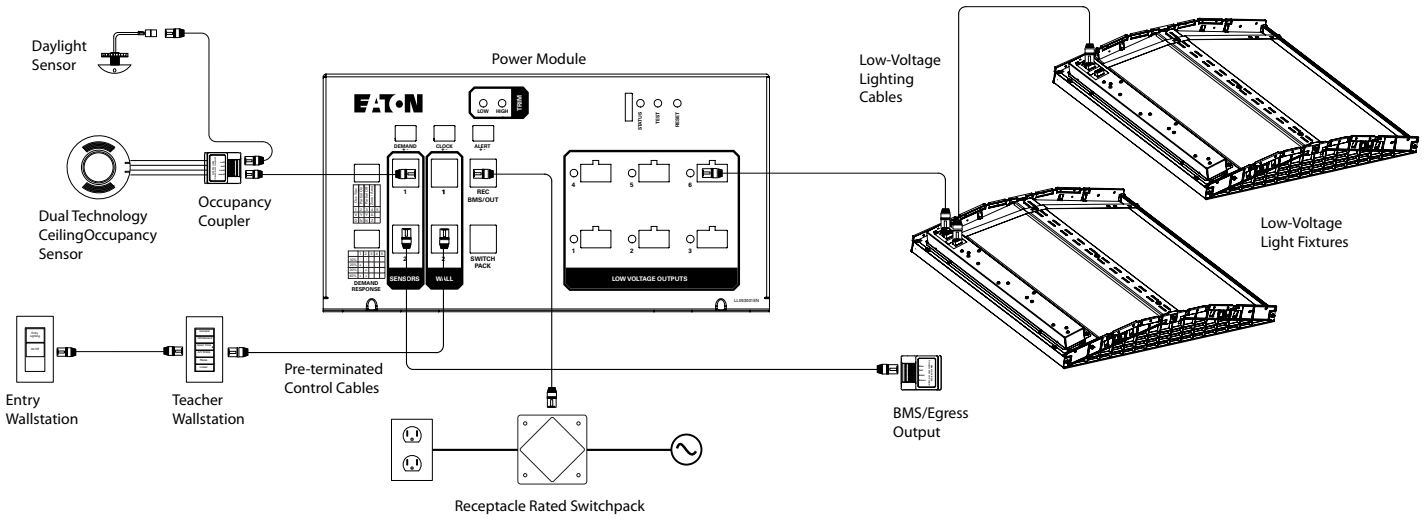
Handheld Remote Programmer HHPRG-RC

Personal Remote HHPR-RC

Daylight Settings



DLVP System Topology



Programming Remote (LVHH-01)

Personal Remote (LVHH-02)

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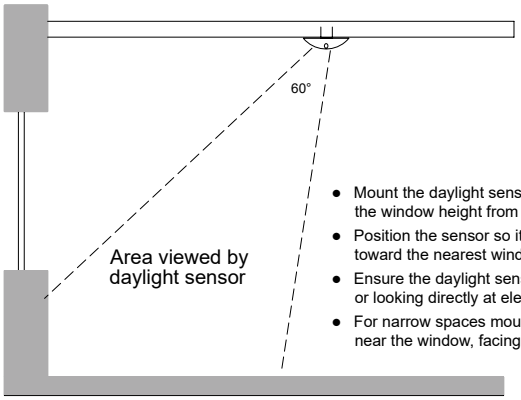
Specifications and dimensions subject to change without notice.

Greengate — Open Loop Daylight Sensor/IR Receiver

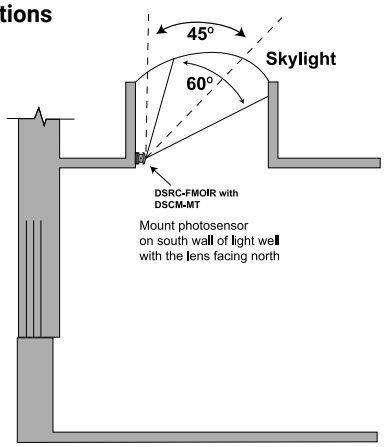
Application

Sidelight Applications



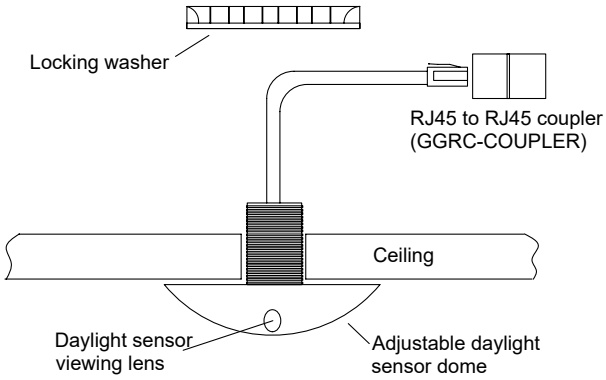
- Mount the daylight sensor one to two times the window height from the window wall.
- Position the sensor so its arrow is pointed toward the nearest window.
- Ensure the daylight sensor is not obstructed or looking directly at electric light.
- For narrow spaces mount the daylight sensor near the window, facing into the space.

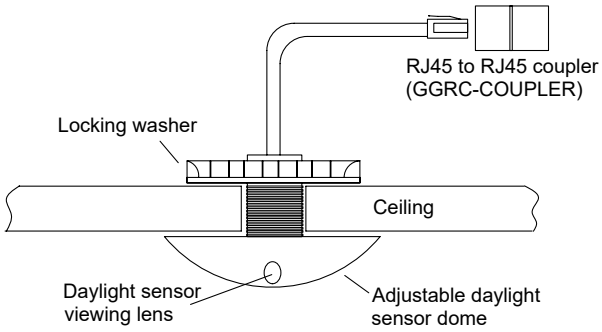
Skylight Applications



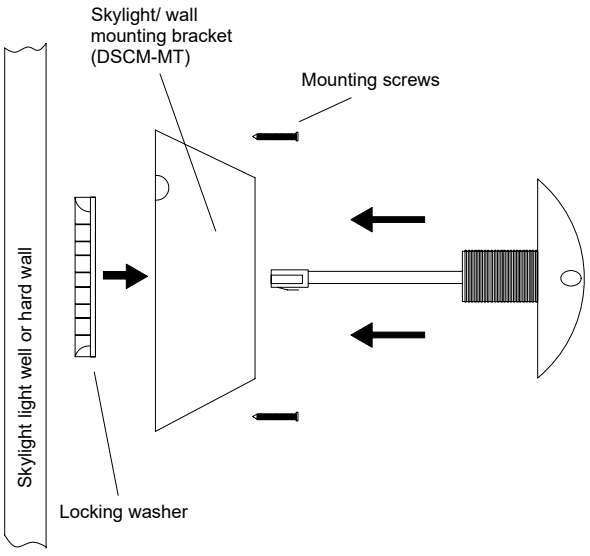
Mounting

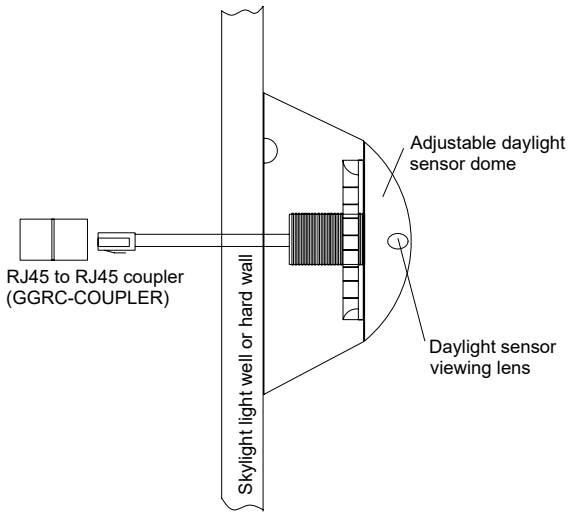
Ceiling Mounting





Light Well Mounting with DSCM-MT





Control Systems

- Greengate

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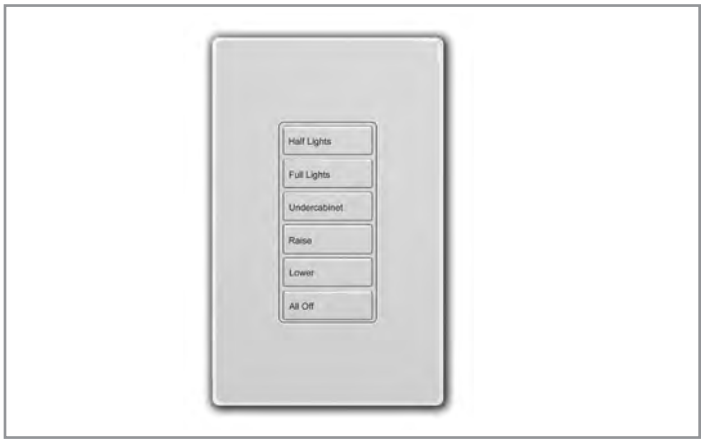
Specifications and dimensions subject to change without notice.

Project		Catalog #		Type	ALC-031
Prepared by		Notes		Date	



Greengate

Zone Wallstation

Interactive Menu

- Order Information page 2
- Additional Resources page 3
- Wiring Diagrams page 4
- Connected Systems page 5
- Product Warranty

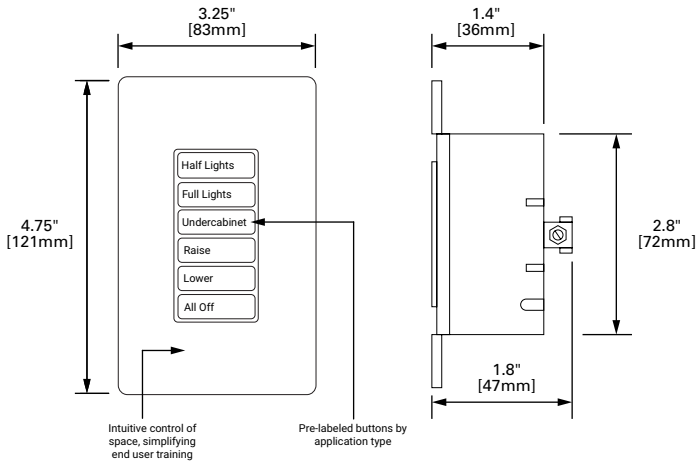
Product Features

c UL us

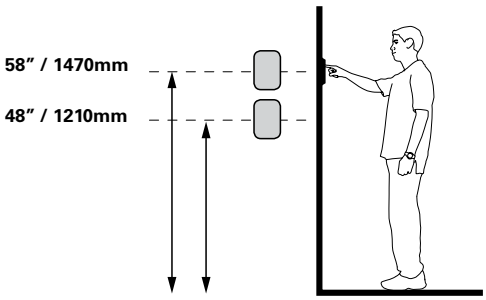
Top Product Features

- Low-voltage control for ON/OFF and dimming loads
- Pre-terminated control cable ready with RJ45 ports eliminate wiring errors
- Available in 2, 3, 4, 5, 6 button models designed to fit in decorator wallplates (included)
- Wallstations can be used for multi-way control
- Custom engraving options available - buttons may be replaced in the field (10 character limit)

Dimensional and Mounting Details



Scale or Mounting Height



additional product diagrams

Order Information

SAMPLE ORDER NUMBER: **RC-6TSB-0S3**

One single gang color matching wallplate is included in the package. Standard button engraving shown below. Engraving appears as black text on white, ivory, and gray buttons. Engraving appears as gold text on black buttons. If white engraved text is desired on black buttons use the configurator tool with the FlashPro software.

Catalog Number	Number of Buttons	Button Engraving	Command Reference Table	Insert Color
RC-6TSB-0S3	**1, 2, 3**=Large Buttons – TLB **4, 5, 6=** Small Buttons – TSB	**101** = Zone 1(1 TLB) **102** = Zone 2 (1 TLB) **103** = Zone 3 (1 TLB) **221** = Zone 1, Zone 2 (2TLB) **321** = Zone 1, Zone 2, All Off (3TLB) **331** = Zone 1, Zone 2, Zone 3 (3TLB) **531** = Zone 1, Zone 2, Zone 3, Raise, Lower (5TSB) **621** = All On, Raise 1, Lower 1, Raise 2, Lower 2, All Off (6TSB) **623** = Zone 1, Raise 1, Lower 1, Zone 2, Raise 2, Lower 2 (6TSB) **631** = Zone 1, Zone 2, Zone 3, Raise, Lower, All Off (6TSB) **ES1** = Entry, Al OFF (2TLB) **TS1** = General, Whiteboard, Quiet Time, A/V Mode, Raise, Lower (6TSB) **TS2** = General, Whiteborad, Quiet Time, Raise, Lower All OFF (6TSB) **TS3** = General, Whiteboard, Quiet Time, A/V Mode, All OFF (5TSB) **TS4** = General, Whiteboard, A/V Mode, Raise, Lower, All OFF (6TSB) **TS5** = Entry, General, Whiteboard, All OFF (4TSB) **TS6** = Entry, General, Whiteboard, Raise, Lower, All OFF (6TSB) **TS7** = Row 1, Row 2, Row 3, Raise, Lower, All OFF (6TSB) **TS8** = Uplights, Downlights, Accent, Raise, Lower, All OFF (6TSB) **TS9** = Entry, General, Quiet Time, Whiteboard, A/V Mode, All OFF (6TSB) **TS10** = Main, Whiteboard, A/V Mode, Raise, Lower, All OFF (6TSB) **HC1** = General, Exam, Reading, All OFF (4TSB) **HC2** = General, Exam, Reading, Raise, Lower, All OFF (6TSB) **OS1** = Half Lights, Full Lights, All OFF (3TLB) **OS2** = Half Lights, Full Lights, Raise, Lower, All OFF (5TSB) **OS3** = Half Lights, Full Lights, Undercabinet, Raise, Lower, All OFF (6TSB) **OS4** = All ON, All OFF (2 TLB) **ZAD** = Zone 1 UP, Zone 1 DN, Zone 2 UP, Zone 2 DN, Zone 3 UP, Zone 3 DN (6TSB) **Z1D** = Zone 1, Raise, Lower (3TLB) **Z2D** = Zone 2, Raise, Lower (3TLB) **Z3D** = Zone 3, Raise, Lower (3TLB	**101** = 1 **102** = 2 **103** = 11 **221** = 1, 2 **321** = 1, 2, 8 **331** = 1, 2, 11 **531** = 1, 2, 11, 6, 7 **621** = 16, 17, 18, 19, 20, 8 **623** = 1, 17, 18, 2, 19, 20 **631** = 1, 2, 11, 6, 7, 8 **ES1** = 1, 8 **TS1** = 2, 3, 5, 4, 6, 7 **TS2** = 2, 3, 5, 6, 7, 8 **TS3** = 2, 3, 5, 4, 8 **TS4** = 2, 3, 4, 6, 7, 8 **TS5** = 1, 2, 3, 8 **TS6** = 1, 2, 3, 6, 7, 8 **TS7** = 1, 2, 3, 6, 7, 8 **TS8** = 1, 2, 3, 6, 7, 8 **TS9** = 1, 2, 5, 3, 4, 8 **TS10** = 1, 3, 4, 6, 7, 8 **HC1** = 1, 2, 3, 8 **HC2** = 1, 2, 3, 6, 7, 8 **OS1** = 12,13, 8 **OS2** = 12,13, 6, 7, 8 **OS3** = 12, 13, 11, 6, 7, 8 **OS4** = 10, 8 **ZAD** = 17, 18, 19, 20, 21, 22 **Z1D** = 1, 17, 18 **Z2D** = 2, 19, 20 **Z3D** = 3, 21, 22	**W**= White **B**= Black **V**= Ivory **G**= Gray
Notes For custom configurations or custom engraving, use the configurator tool within the FlashPro tool.			**Notes** For reference only. Commands will not be engraved onto station.	

Order Information

For Reference Only

Command #	Action
1	Toggle Load/Zone 1 (Also influences Receptacle Switchpack, Solatube, and Emergency)
2	Toggle Load/Zone 2 (Also influences Receptacle Switchpack)
3	Toggle Load/Zone 3
4	Toggle A/V mode B Scene 5
5	Disable/Re-enable Occupancy Sensor (After being disabled 60 minutes, the sensor automatically re-enables)
6	Raise all
7	Lower all
8	All Loads/Zones OFF
9	All Dimmers 50%, Relay 1 ON, Relay 2 OFF, Relay 3 unaffected DLVP-Zone 1=50%, Zone 2=OFF, Zone 3=unaffected
10	All Loads/Zones to 100% (Solatube closed)
11	Toggle Load/Zone 3 (influences Receptacle Switchpack)
12	Go to Scene 1
13	Go to Scene 2
14	Go to Scene 3
15	Go to Scene 4
16	All Loads/Zones ON
17	Raise Zone 1
18	Lower Zone 1
19	Raise Zone 2
20	Lower Zone 2
21	Raise Zone 3
22	Lower Zone 3

Product Specifications

Mechanical

Size: 4.75” H x 3.25” W (121mm x 83mm)

Environment:

- **Operating temperature:** 32°F to 104°F (0°C to 40°C)
- **Relative humidity operating:** Less than 95%, non-condensing
- For indoor use only

Connection Ports: Two RJ45 ports

Button Configurations:

- Large buttons: 2 or 3
- Small buttons: 2, 4, 5, 6

Installation:

- Standard decorator opening

Electrical

Input Requirements:

- Class 2, LPS

Voltage: 24 VDC supplied from Room Controller

Standards/Ratings

- UL 508 Listed

Warranty

Five year warranty standard

Greengate Zone Wallstation

Overview

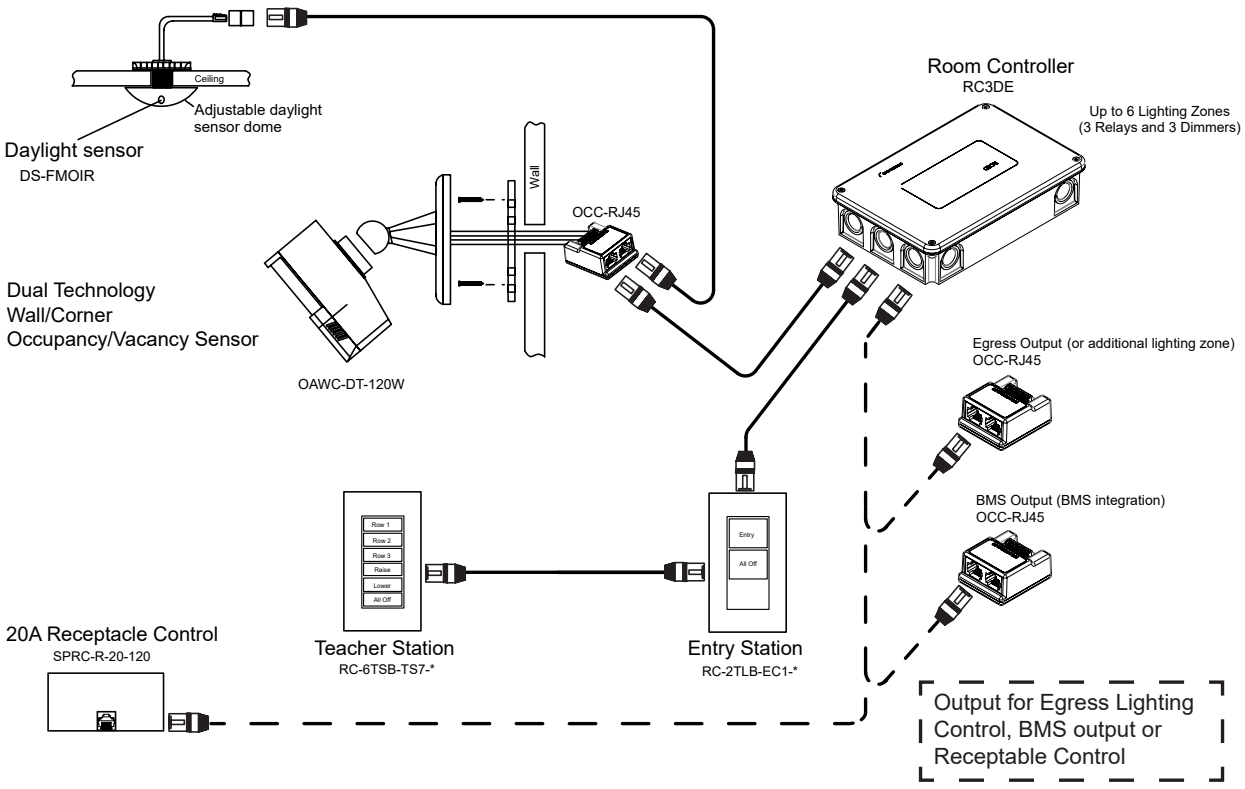
The zone wallstations are pre-engraved low-voltage switches that operate on 24 VDC power supplied by the Room Controller or DLVP power module. Each wallstation is designed to fit in a standard decorator opening and has two RJ45 ports for local network connections to eliminate wiring errors.

The zone wallstations are pre-terminated control cable (ordered separately) ready and work immediately upon power up. Zone wallstations for office, classroom, patient room, conference room and general areas are available and are fully functional out-of-the-box removing the need for field programming and reducing installation time.

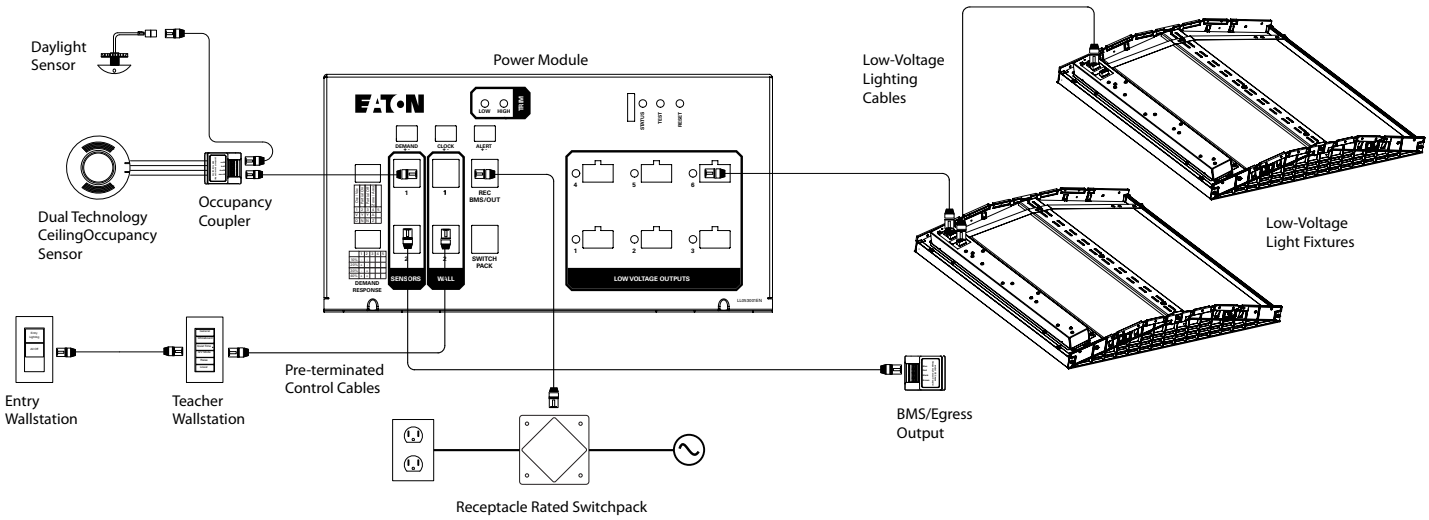
Low-voltage devices are connected using provided pre-terminated control cables (ordered separately).

Wiring Diagrams

Sample Room Controller System Topology

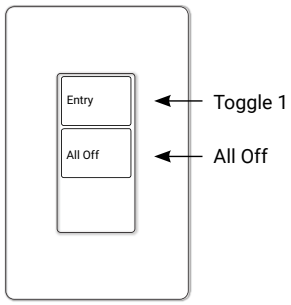


DLVP System Topology

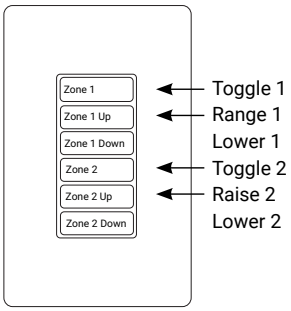


Sample Wallstations

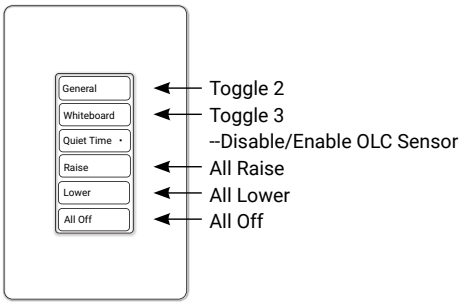
*** Not All Configurations Shown**



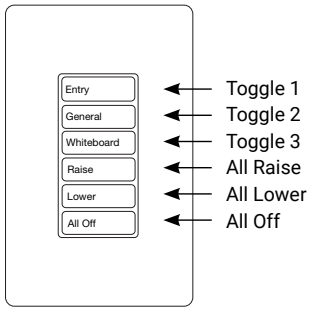
RC-2TLB-ES1



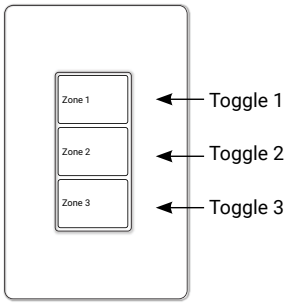
RC-6TSB-623



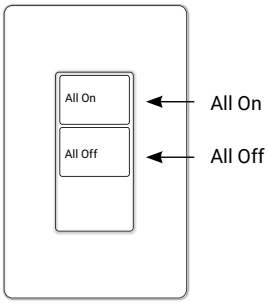
RC-6TSB-TS2



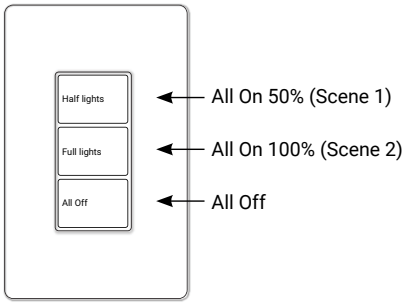
RC-6TSB-TS6



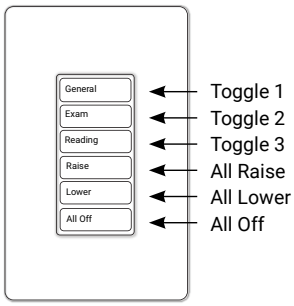
RC-3TLB-331



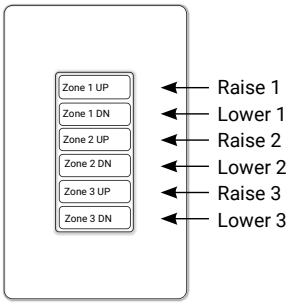
RC-2TLB-OS4



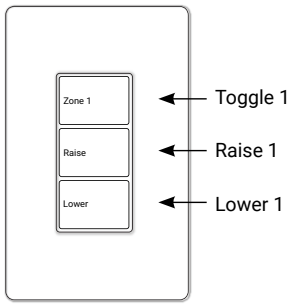
RC-3TLB-OS1



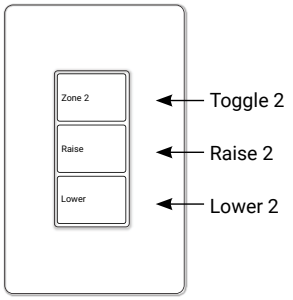
RC-6TSB-HC2



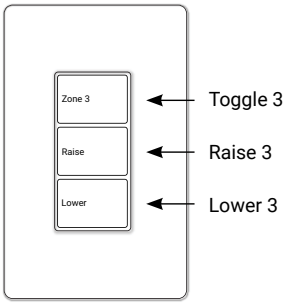
RC-6TSB-ZAD



RC-3TLB-Z1D



RC-3TLB-Z2D



RC-3TLB-Z3D

Control Systems

- Greengate

Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.CooperLS.com

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Specifications and dimensions subject to change without notice.

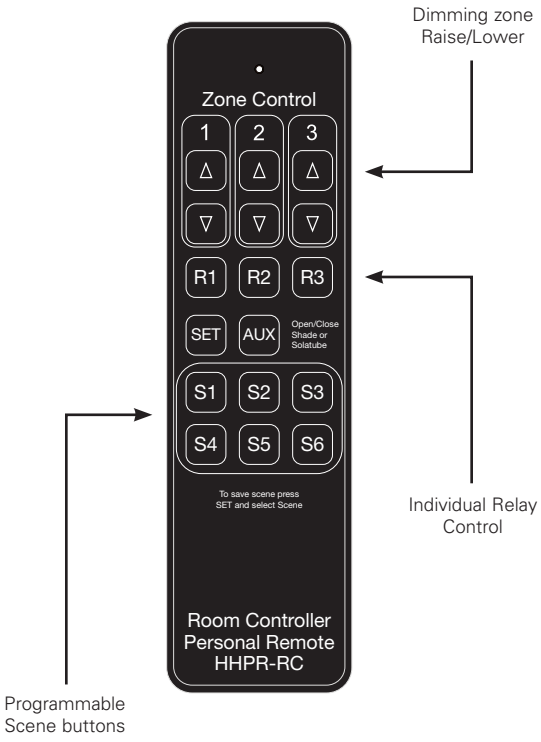
Technical Data

Effective October 10, 2014

Greengate

Room Controller Personal Remote

Catalog#	Prepared by
Project	Date
Comments	Type



Overview

The Room Controller Personal Remote is a handheld tool that provides the user the ability to individually control relays, dimmers and scenes. It also allows programmability of the individual scene buttons that can be packaged/configured to create Scene Wallstations.

Each scene button can be programmed with user specified load ON/OFF and dimmer settings. Using the Room Controller Personal Remote (HHPR-RC) and daylight sensor (DSRC-FMOIR) the user can define up to six scenes and save them into the Room Controller to be recalled later from the Scene buttons or the Personal Remote.

Features

- Simple to use personal remote
- Personalize the scene buttons with your ON/OFF and dimming needs
- Program Auto ON Lighting Scene
- Handheld scene control

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Specifications

Battery	2 AAA (included)
Communication	IR (requires DSRC-FMOIR)

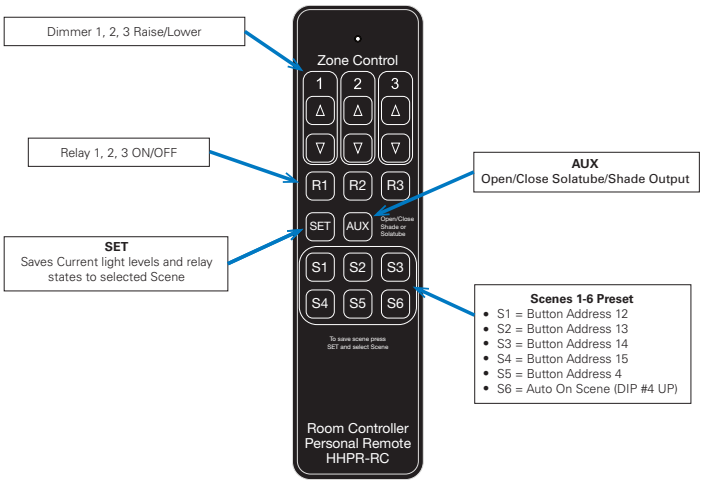
Description/Operation

The Personal Remote can send IR commands to the Room Controller using the Daylight Sensor (DSRC-FMOIR) as an IR receiver.

The Personal Remote contains the following buttons for temporary override of the space lighting.

- Dimmer 1 (Raise/Lower)
- Dimmer 2 (Raise/ Lower)
- Dimmer 3 (Raise/ Lower)
- Relay 1 (Toggle)
- Relay 2 (Toggle)
- Relay 3 (Toggle)
- Auxiliary Output (can be used for Solatube or Shade)
- Scenes 1 – 6
- Set (to store programmed scenes)

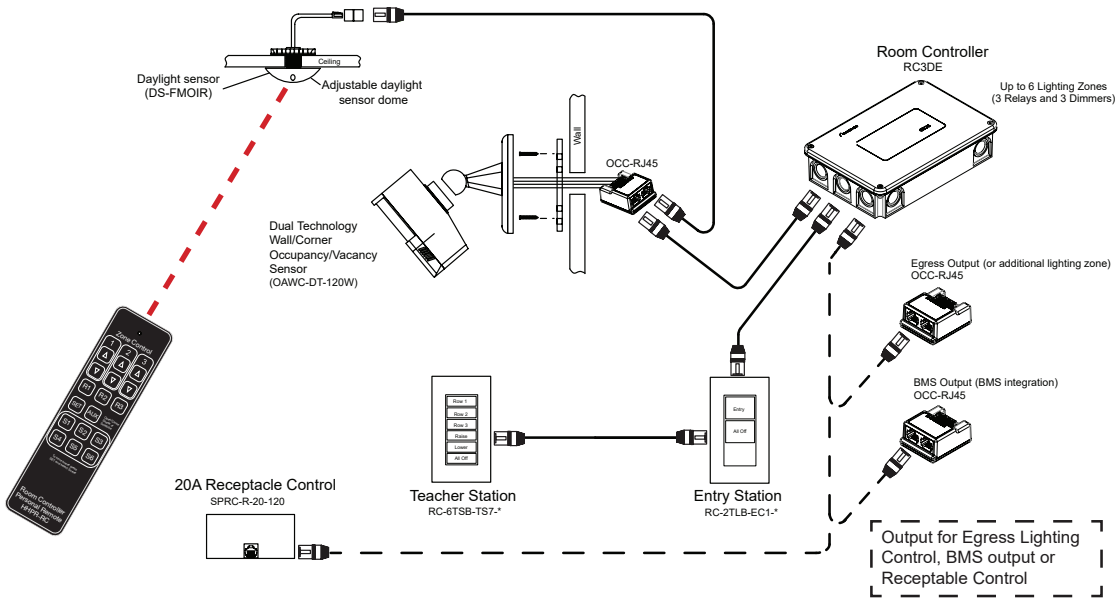
Personal Remote



Technical Data
October 2014

Room Controller Personal Remote

Sample System Topology



Ordering

Catalog #	Description
HHPR-RC	Room Controller Personal Remote

Additional Options

Catalog #	Description
DSRC-FMOIR	Daylight Sensor/IR Receiver

Eaton
1000 Eaton Boulevard
Cleveland, OH 44122
United States
Eaton.com

Eaton's Cooper Controls Business
203 Cooper Circle
Peachtree City, GA 30269
coopercontrol.com

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October 10, 2014

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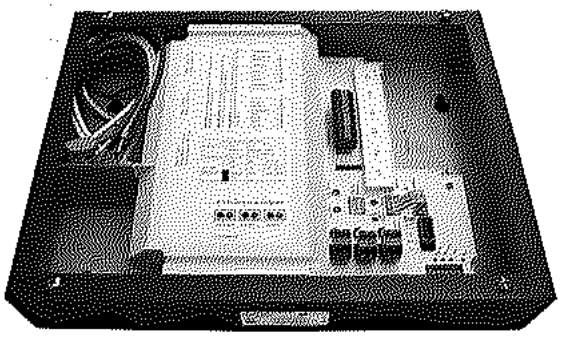
Technical Data

Effective March 1, 2018

Room Controller

Catalog#	Prepared by
Project	Date
Comments	Type

Model RC3D-PL Shown



Inside View

Overview

The Room Controller includes three relays and up to three 0-10 VDC dimming outputs to control compatible dimmable ballasts. The switching relays and 0-10 VDC outputs are controlled separately, allowing flexibility in wiring and control. The Room Controller is shipped preconfigured to work out-of-the-box when connected to Room Controller devices, allowing quick and easy daylighting controls, occupancy/vacancy sensing and manual switching.

Features

- Click & Go ready, RJ45 connections
- Preconfigured for automatic functionality upon power-up
- Manual or Automatic On, bi-level, tri-level and dimming control strategies
- Integral Demand Response input with four levels of preconfigured energy reduction
- Built in tubular lighting control with preconfigured wallstation controls
- Integral pillow speaker connections for GPCS (RC3DEHC)
- Integral Solatube® connection for classrooms
- Guaranteed compatibility with Cooper Lighting LED and 0-10V fluorescent fixtures
- Ladderless UL 924 Emergency Mode testing (RC3DE & RC3DEHC)

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Specifications

Size	11 1/2"H x 7 1/2"W x 2 1/4"D
Input/Output Voltage	120/277 VAC, 60Hz
	Maximum 20A combined load per Room Controller
	Ballast load: 20A @ 120/277 VAC (LED)
	Incandescent load: 15A @ 120 VAC
	Motor load: 1HP @ 120 VAC
Emergency Output (RC3DE/ RC3DEHC only) UL 924	LED, Ballast or Incandescent Load: 3A
Class 2 Dimming Output	0-10 VDC, sinks up to 100mA per (40 µA max per circuit leakage to line)
	Each 0-10V output supports up to 50 ballasts/ drivers that draw the standard 2mA each
LED Drivers	Requires isolated LED drivers for optimal performance
Operating Environment	Temperature: 32°F to 104°F (0°C to 40°C)
	For indoor use
Standards	UL Approved UL 508 Listed UL 924 Listed

Description/Operation

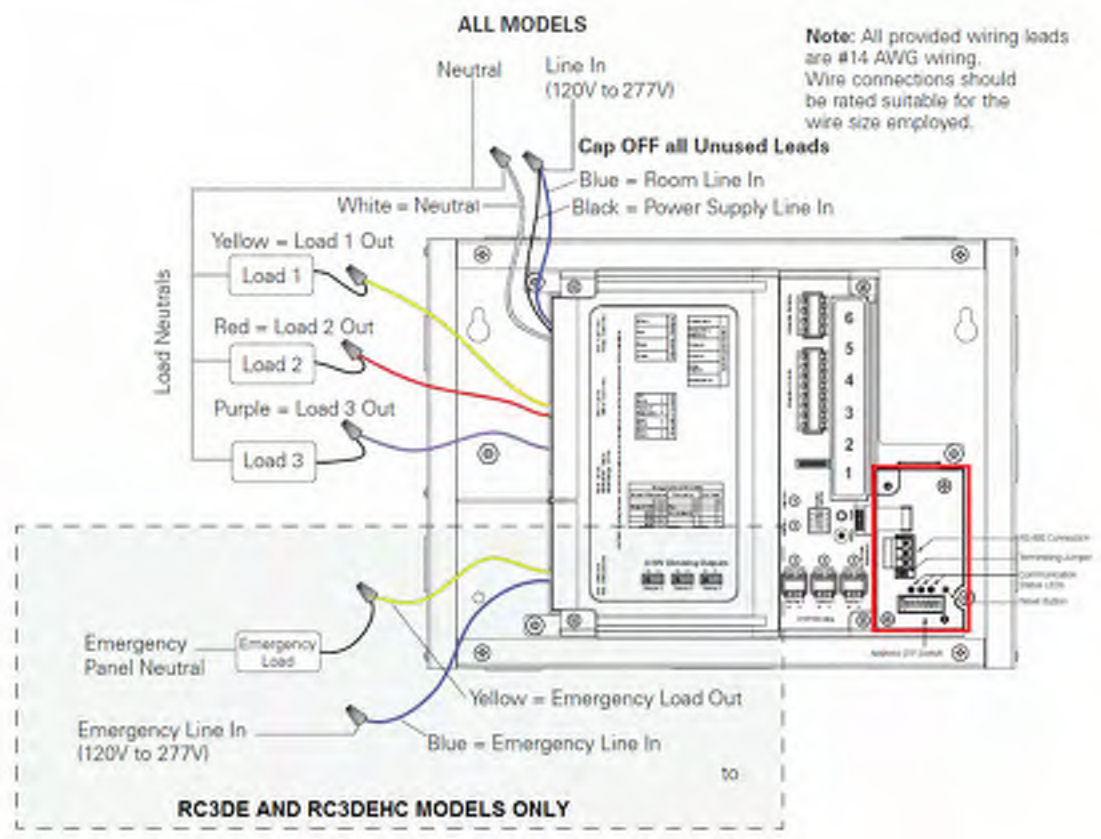
The Room Controllers are connected to a 120 VAC or 277 VAC 20 Amp circuit to provide unit power and input power to the individual relays. The wallstations, occupancy/vacancy sensors, daylight sensors and receptacle control devices connect via QuickConnect cables (ordered separately) providing a Class 2 connection. Upon power up the pre-engraved wallstation automatically controls the On/Off relays adjust the dimming outputs. The daylight sensor will immediately adjust the lighting levels based on natural light.

Installation

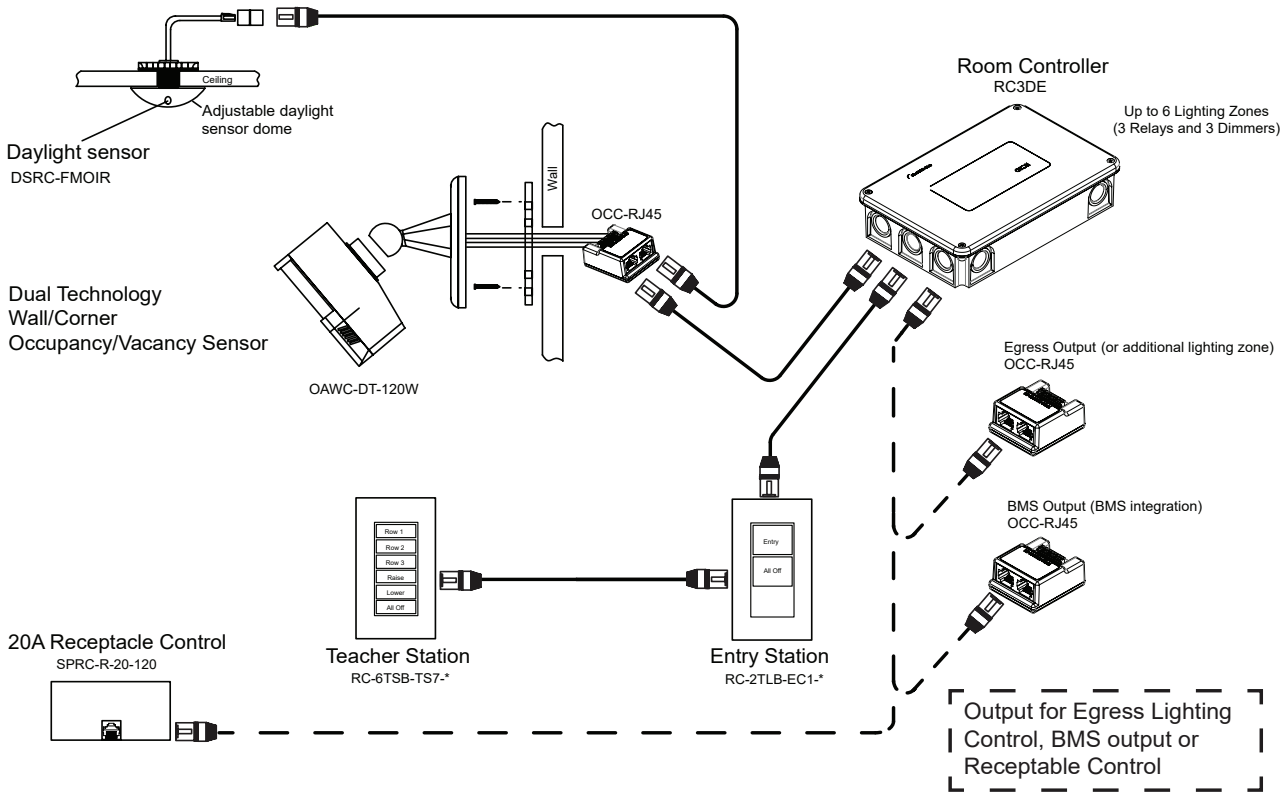
The line voltage section of the Room Controller provides the installing contractor space to make all line voltage connections and direct conduit access, reducing the need for additional junction boxes, while providing easy access to line voltage circuits. Low voltage devices are connected using Cat5 cables (ordered separately).

UL 924 relay is provided on some units for automatic emergency lighting control. The UL 924 relay automatically tracks with output 1 and can be connected to any of the three 0-10V dimmers. The UL 924 relay automatically closes and disconnects the 0-10V control open loss of normal power providing adequate egress lighting control. Ladderless maintenance testing of the UL 924 relay can be acheived by pressing the ALL OFF button four times.

Sample Wiring Diagram



Room Connections



March 2018

Ordering

Catalog #	Desctiption	Voltage	Ballast/Incandescent
RC3-PL	3 Relays, Plenum	120/277 VAC, 60 Hz	Maximum Combined Load 20A
RC3D-PL	3 relays, 3 0-10V dimming, Plenum	120/277 VAC, 60 Hz	Maximum Combined Load 20A
RC3DE-PL	3 relays, 3 0-10V dimming, UL 924, Plenum	120/277 VAC, 60 Hz	Maximum Combined Load 20A
RC3DEHC-PL	3 relays, 3 0-10V dimming, UL 924 for healthcare, Plenum	120/277 VAC, 60 Hz	Maximum Combined Load 20A
RC3D-PL-CP	3 relays, 3 0-10V dimming, Chicago Plenum Network Room Controller	120/277 VAC, 60 Hz	Maximum Combined Load 20A
RC3DE-PL-CP	3 relays, 3 0-10V dimming, UL924, Chicago Plenum Network Room Controller	120/277 VAC, 60 Hz	Maximum Combined Load 20A
RC3DEHC-PL-CP	3 relays, 3 0-10V dimming, UL924 for healthcare, Chicago Plenum Network Room Controller	120/277 VAC, 60 Hz	Maximum Combined Load 20A

Additional Options

Catalog #	Desctiption
GGRC-COUPLER	RJ45 Coupler
GGRC-SPLITTER	RJ45 Splitter
GGRJ45-006-G	RJ45 cables 6 inches
GGRJ45-03-G	RJ45 cables 3 feet
GGRJ45-10-G	RJ45 cables 10 feet
GGRJ45-25-G	RJ45 cables 25 feet
GGRJ45-50-G	RJ45 cables 50 feet
GGRJ45-100-G	RJ45 cables 100 feet
GGRJ45-10P-G	RJ45 cables 10 feet plenum rated
GGRJ45-25P-G	RJ45 cables 25 feet plenum rated
GGRJ45-50P-G	RJ45 cables 50 feet plenum rated
GGRJ45-100P-G	RJ45 cables 100 feet plenum rated

Note: Please refer to the Room Controller page on our website for more information

Eaton
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.eaton.com/lightingsystems
For service or technical assistance:
1-800-553-3879

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March 1, 2018

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Specifications and dimensions subject to change without notice.

Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALC-031-SI

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Lighting Controls
Item Type	Centralized Dimming System
Description	Fitness Center Dimming System- Occupancy sensors combining motion detection, light level detection, and IR Centralized Dimming System
Manufacturer	Signify
Model	DUS360CS-DALI / DUS90CS / DUS30CS
Color	White
CSI #	26 09 33 - Central Dimming Controls
Omniclass #	22-26 09 33 - Central Dimming Controls
Notes	Fitness Center Room system to be separate from Centralized System. Lights to be controlled with occupancy sensors to provide 50% dimming when unoccupied.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

ALTERNATE MANUFACTURER 2

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Fitness Center

Sophisticated yet simple energy-efficient lighting solutions

Dynalite Sensors

The Philips Dynalite sensor range combines motion detection, light level detection and IR receive in one unit. Each of these features can be operated at the same time, allowing automation scenarios such as turning on the lights after detecting motion and then dimming the lighting level once the available sunlight has been measured, thereby providing additional energy savings. By combining each of these functions into one device, operational efficiency is improved.Each sensor has an in-built microprocessor, allowing logical functions to control one small room, the floor of a building, or an entire building. All sensors receive their power from the DyNet network, and as they are fully remotely programmable, they can be configured to automate and control a virtually unlimited number of controlled outputs.

Benefits

- Reduces the need for many different types of sensors, thereby preventing ceiling clutter
- Combines motion detection, light level detection and IR receive in one unit, thus improving efficiency

Features

- Sensors are fully remotely programmable
- Built-in microprocessor

Application

- Depends on the lighting system in which the controls are used

Dynalite Sensors

Versions

DUS360CS-DALI

DUS90CS / DUS30CS ceiling mounted

Product details

DUS360CS(-DALI) Surface mount 360° ceiling sensor

DUS90CS / DUS30CS wall mounted

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Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALC-032-CL_112K Only

Real Living Decor Package

Issue Date: Nov 23, 2022
Revision Date:

Item Name	Lighting Controls
Item Type	Flex (Meeting Room) Dimming System
Description	0-10V Slide Dimmer Wallstation
Manufacturer	Cooper Lighting/Greengate
Model	WBSD-DEC-C5
Color	White
CSI #	260933 - Central Dimming Controls
Omniclass #	22 - 260933 - Central Dimming Controls
Notes	Flex Dimming System Components: 2 Qty: Greengate WBSD-DEC-C5 Multi-Load Decorator Dimmer

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 2

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
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Email: ryan.smillie@signify.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Flex

ALC-032-CL_112K Only

0-10V Slide Dimmer Wallstation

Catalog# WBSD-DEC-C5	Prepared by
Project	Date
Comments	Type

California Title 20 Compliant

c UL us LISTED
DIMMERS
6B28

Overview

The 0-10 Volt Slide Dimmer provides full-range classic linear-slide dimming for 0-10V compatible dimmable light sources. These units are ideal for light commercial applications and are compatible with decorator style devices and wallplates. The preset "ON/OFF" switch automatically returns controlled light(s) to a preset level without disturbing the brightness level. The device is designed for both Single-pole (one location) and 3-way (multi-location) applications.

Features

- Preset feature allows user to return to previous light level when turning lights ON
- Integrated full-slide control for easy, precise operation
- Can be wired as Single-pole or 3-way
- Neutral is not required for installation of device
- Adjustable high-level trim setting for optimal lamp compatibility

COOPER Lighting Solutions

Specifications

Switch Type	Single-pole and 3-way
Dimming Control	0-10 VDC: 200mA Sink
	Sink Dimming
Electrical Ratings	**120 VAC:** Max. Load: 10 amps, 1200W, 60 Hz
	277 VAC: Max Load: 6 amps, 1660W, 60 Hz
Light Intensity Control	Full-range, continuously variable dimming
	Adjustable High-level trim setting
Power Failure Memory	Light returns to same level prior to power interruption
Wiring Type	Back & side wiring terminals; 12-14 AWG (Copper wire)
	0-10V wire leads; 16 AWG
Flammability	Meets UL 94 requirements, V2 rated
Temperature	-4°F to 158°F (-20°C to 70°C)

Wiring Diagrams

FIGURE 1: SINGLE-POLE WIRING DIAGRAM

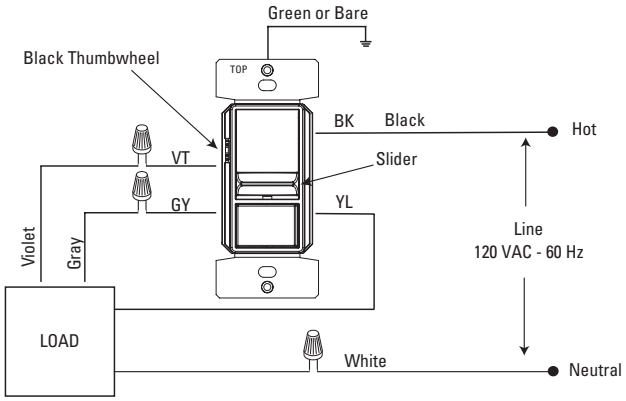

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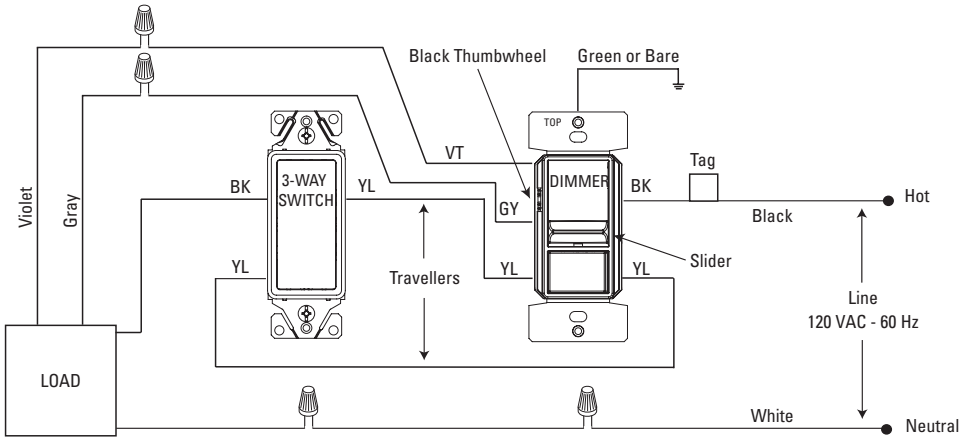
FIGURE 2: 3-WAY WIRING DIAGRAM



*Can be installed on load or line side in 3-way applications

Visit our website for additional wiring details at www.cooperlighting.com

August 2016

Ordering

*Wallplate not included

This is an accessory for the Greengate Lighting Control System. When ordering, specify the 0-10V slide dimming wallstation as a separate system accessory.

Catalog #	Description	Colors
WBSD-010SLD-LA	Dimmer Slider 0-10V, 120/277 VAC	Light Almond
WBSD-010SLD-BK	Dimmer Slider 0-10V, 120/277 VAC	Black
WBSD-010SLD-GY	Dimmer Slider 0-10V, 120/277 VAC	Gray
WBSD-010SLD-V	Dimmer Slider 0-10V, 120/277 VAC	Ivory
WBSD-010SLD-W	Dimmer Slider 0-10V, 120/277 VAC	White

* Refer to Screwless Wallplate Spec Sheet for ordering information at www.cooperlighting.com.

Note: Custom engraving is not available on 0-10V dimming wallstations.

Cooper Lighting Solutions
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Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALC-032-SI_112K Only

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Lighting Controls
Item Type	Lighting Controls - Meeting
Description	Slide Dimming Control
Manufacturer	Signify
Model	Sunrise Dimmer Switch
Color	White
CSI #	26 09 33 - Central Dimming Controls
Omniclass #	22-26 09 33 - Central Dimming Controls
Notes	111-Key Only Meeting Room dimmer and keypad shall be separate from centralized system.

SPECIAL INSTRUCTIONS

MANUFACTURER

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ALTERNATE MANUFACTURER 2

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ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Flex

ALC-032-SI_112K Only

Versatile Slide Dimming Control

Sunrise Dimmer Switch

Philips designed the Sunrise Preset Electronic Wall Dimmers for most commercial and residential applications. Sunrise Preset Slide Dimmers and power extenders provide reliable dimming control for LED, compact fluorescent, and other commonly used lamps and fixture types.

Application

- Office
- Retail
- Hospitality
- Healthcare
- Institutional

Versions

Architectural Lighting - Box Light

Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALB-001-CL

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Recessed Troffer Fixture
Item Type	Recessed Box
Description	2x2 Lensed "Cruze" Center Basket Troffer
Manufacturer	Cooper Lighting/Metalux
Model	22CZ2-39-UNV-L835-CD1-U
Dimensions	24"W x 24"L x 3-1/4"H
Finish	White
Global Specification	Y
CSI #	26 51 00 - Interior Lighting
Omniclass #	22-265100 - Interior Lighting
Part of an Assembly	N
Dimming Type	0-10V Dimming Driver (1%-100% Dimming)
Trim	White
Reflector	White
Mount	Recessed ACT
On Dimming System	Yes
Lens/Shade	Ribbed Acrylic Frosted
Fixture Input (Max. Watts)	31
Lamp Type	LED-I
Lamp Kelvin	3500K
Voltage	120-277V
Delivered Lumens (LED) or Mean Lumens (Non-LED)	3953
Lamp CRI	80
Finish	White
Warranty	5 years
Notes	Efficacy: 128 lm/W Lamp Life/Fixture Life: 60,000 hrs

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Cooper Lighting Systems
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Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 2

Vendor Name: SIGNIFY NORTH AMERICA

AREAS

Employee Areas
Administration
Housekeeping
Storage
Guest Laundry

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

CORPORATION Contact Name: Ryan Smillie Phone: 408-813-3032 Email: ryan.smillie@signify.com	
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Project		**Catalog #**	22CZ2-39-UNV-L835-CD1-U	**Type**	
Prepared by	Kathleen Kenny National Accounts	**Notes**	Ph: 678-447-5208 kathleen.kenny@cooperlighting.com	**Date**	

Metalux

Cruze ST 22CZ2

2' x 2' LED Specification Grade Troffer

Typical Applications

Office • Education • Healthcare • Hospitality • Retail

Interactive Menu

- Order Information page 2
- Photometric Data page 3
- Connected Systems page 5
- VividTune™ Color Tuning Solutions page 6
- Product Warranty

Product Certification

Product Features

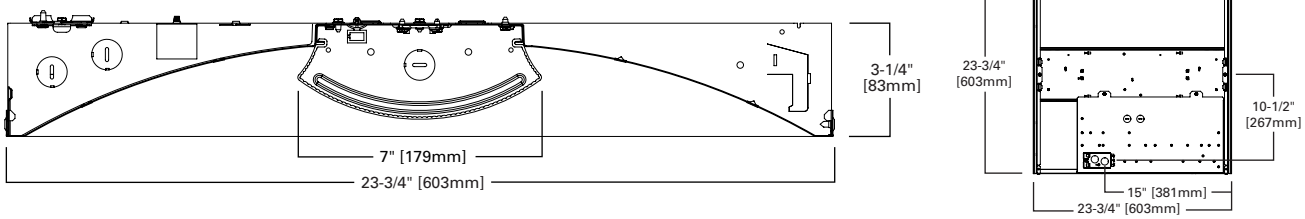
Connected Systems · Bluetooth · powered by fifthlight · damp location · VividTune

LINEAR DISCONNECT — Safe and convenient means of disconnecting power · MWS MODULAR WIRING SYSTEM CLICK HERE · Rapid Response CLICK HERE

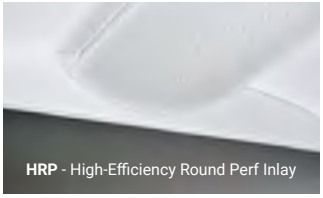
Top Product Features

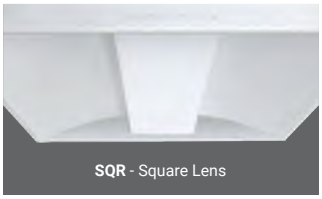
- Latch-less design provides clean architectural look
- VividTune CCT tuning options from 3000K-5000K or 2700K-6500K
- Designers delight - ribbed, smooth and round perforated lens options
- High performance efficacy up to 151 lm/W
- Integrated sensor systems - occupancy, daylight and IoT connectivity

Dimensional and Mounting Details



Shielding

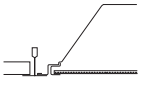




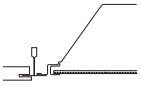
See ordering information for more shielding options.

Ceiling Compatibility

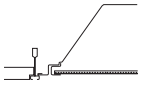
G Grid/Lay-in Standard



G Concealed T



G Slot Grid



Ceiling Type	Trim Type
Exposed Grid	Standard
Concealed T	Standard
Slot Grid	Standard
Flange	*

*See Drywall Frame Kit Accessory in Ordering Information Section

Metalux 22CZ2 LED

Order Information

SAMPLE ORDER NUMBER: **22CZ2-34HE-UNV-L835-CD1-U**

Rating	Series	Air	Lumen Output	Shielding	Voltage	Options
	22CZ2		39		UNV	

Rating	Series	Air	Lumen Level		Efficacy	Shielding	Voltage [8]	Options
[Blank]=Standard **ATW-SW4**= Chicago Rated	**22CZ2**=2x2 Cruze ST	**[Blank]**=Standard **A**=Air (Vented) [1]	**20**=2000 Lumens [2] **24**=2400 Lumens [2] **29**=2900 Lumens [7] **32**=3200 Lumens [6] **34**=3400 Lumens [7] **39**=3900 Lumens **44**=4400 Lumens **50**=5000 Lumens [5] **55**=5500 Lumens [5] **60**=6000 Lumens [5] **65**=6500 Lumens [5]	**70**=7000 Lumens [5] **75**=7500 Lumens [5] **80**=8000 Lumens [5] **85**=8500 Lumens [5] **90**=9000 Lumens [5] **95**=9500 Lumens [5] **100**=10000 Lumens [5] **110**=11000 Lumens [5]	**[Blank]**=Standard Efficacy [3], [4] **HE**=High Efficacy [4] **VHE**=Very High Efficacy [5]	**[Blank]**=Ribbed Frosted Acrylic Lens (standard) **S**=Smooth Frosted Acrylic Lens **RDP**=Smooth Lens with Round Pattern Insert **HRP**=High-Efficiency Round Perf Inlay **SQR**=Square Lens	**UNV**=Universal Voltage 120-277 **347V**=347 Volt **48V**=48 Volt Low-voltage (Class 2) [C]	**GL**=Single Element Fuse **GM**=Double Element Fuse
		Notes (1) Air version is intended for air return through plenum. See air return data table for air flow volumes.Air option not available with ATW-SW4.	**Notes** (2) Not available with WN driver. (3) White tuning not available with this model. (4) Available up to 4400 lumens. (5) Currently only available with CD driver option. (6) Only available in Standard Efficacy. (7) Not available in Standard Efficacy.				**Notes** (8) Products also available in non-US voltages and frequencies for international markets. (C) Consult WaveLinx Low-Voltage or DLVP system pages for additional details and compatibility.	

Emergency Options	CRI/CCT	Flex
	L835	

Emergency Options	CRI/CCT	Flex
[Blank]=No emergency **EL7W**=7-watt 120V-277V emergency battery pack [9] **EL14W**=14-watt 120V-277V emergency battery pack [9] **EL10WSD**=Bodine 10W emergency battery pack with self diagnostic installed [9], [11] **ELV7W**=Low-voltage system, 7-watt emergency battery pack [C] **ELV14W**=Low-voltage system, 14-watt emergency battery pack [C] **ETRD**=Iota Emergency Transfer Relay with dimming control [10] **RRU**=LVS Controls Emergency Transfer Relay with dimming control [10] **UEL7W**=UL924 Listed luminaire, 7-watt, 120V-277V emergency battery pack [9] **UEL14W**=UL924 Listed luminaire, 14-watt 120V-277V emergency battery pack [9] **UEL10WSD**=Bodine 10W emergency battery pack with self diagnostic installed [9], [12] **UETRD**=UL924 Listed luminaire, Iota Emergency Transfer Relay with dimming control [10] **URRU**=UL924 Listed luminaire, LVS Controls Emergency Transfer Relay with dimming control [10]	**L830**=80CRI, 3000K **L835**=80CRI, 3500K **L840**=80CRI, 4000K **L850**=80CRI, 5000K **L930**=90CRI, 3000K **L935**=90CRI, 3500K **L940**=90CRI, 4000K **L950**=90CRI, 5000K **L83050**=80CRI 3000K-5000K White Tuning [13] **L93050**=90CRI 3000K-5000K White Tuning [13] **L82765**=80CRI 2700K-6500K White Tuning [13] **L92765**=90CRI 2700K-6500K White Tuning [13]	**[Blank]**=No Flex **A3/8-4/18GDIM**=3/8" Flex with 0-10V Dimming Leads **A3/8-2/18G**=3/8" Flex with line and common **A3/8-5/18GDIM**=Flex with 0-10V Dimming leads and Blue for alternate wiring. See below for details.
Notes (9) Factory installed with integral test switch/indicator/laser test. For approximate delivered lumens multiply the lumens per watt of the desired fixture by the wattage of the emergency battery pack (100 lm/W x 7=700 lumens). IES-format photometry for luminaire under emergency operation available. Battery option increases total height by 1 inch. (10) Used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others). Devices are universal voltage (UNV). 347 not available. (11) EL10WSD not available with 347V. (12) UEL10WSD not available with 347V. (C) Consult WaveLinx Low-Voltage or DLVP system pages for additional details and compatibility.	**Notes** (13) White tuning provides correlated color temperatures (CCT) between 3000K (warm) to 5000K (cool) or 2700K (warm) to 6500K (cool). Must be used in conjunction with W2A driver only. Must be used with two (2) 10V dimming control channels, 1 color, 1 intensity. May be combined with Wavelinx sensor control systems only.	**Flexible Metal Conduit Options** Flex options available for 0-10V dimming control, DALI dimming control, emergency and night light functions. 72-inch factory-installed and pre-wired to driver, fitted to luminaire housing access plate with 90° enclosed FMC connector. Not all options may be combined and installation ratings vary by type. See online configurator for all flex options. **A3/8-4/18GDIM series notes:** Factory installed dimming option 3/8" flexible metal conduit with 2-#18 power and ground wires and 2-#18 UL-listed jacketed 0-10V +/- control wires. Meets UL 66, 83, 1479, 1569, 1581, 2556. NEC® 250.118, 300.22(C), 392, 396, 330, 501, 502, 503, 530, 504, 505, 518, 520, 530, 645, 72; Federal Specification A-A-59544 (formerly J-C-30B); all applicable OSHA and HUD Requirements. UL Classified 1-, 2-, and 3-hour through penetration with applicable fire stop product (not included). May be surface mounted, fished and/or embedded in plaster. Cable tray and approved raceway rated, install per NEC®; Environmental Air-Handling Space Installation per NEC® 300.22(C).

Driver Type	Number of Drivers	Integrated Sensing Systems	Packaging	Accessories
CD	1		U	

Driver Type	Number of Drivers	Integrated Sensing Systems [15]	Packaging	Accessories (order separately)
CD=0-10V Dimming Driver (1%-100% Dimming) **WN**=WaveLinx Wireless Fixture, No Sensor. [A], [G], [H] **5LTD**=Fifth Light DALI Driver (5%-100% Dimming) [E] **5LTHD**=Fifth Light Dimming Driver (1%-100% Dimming) [E] **LV**=Low-voltage System Dimming Driver (0%-100% Dimming) [C] **SD**=Step Dimming Driver (50%-100% Dimming) **LH**=Lutron HiLume (LDE1 series) 1%-100% EcoSystem Driver with Soft-on Fade to Black dimming [F] **L5**=Lutron 5 Series (LDE5-Series) 5%-100% EcoSystem Driver [F] **W2A**=White Tuning, 2 ch, Analog 0-10V Intensity and CCT Control [14] **SR**=Sensor-ready Dimming Driver (1%-100% Dimming)	**1**=1 Driver	**[Blank]**=No Sensor **WAA**=WaveLinx Wireless Integrated Sensor [16], [A] **WAB**=WaveLinx Lite Wireless Integrated Sensor [17], [B] **WLA**=Low-voltage Integrated Sensor [18], [C] **SVPD1**=0-10V Stand-alone Integrated Sensor [17], [D]	**U**=Unit Pack **PAL**=Job Pack, out of carton **PALC**=Job Pack, in carton	**CZ2-EQCLIP-U-PK**="CZ2" Earthquake Clip Kit (4 clips per bag kit) [19] **DF-22W-U**=2' x 2' Drywall Frame Kit **SK-22-WS**=2' x 2' Shallow Surface Mount Kit **SK-22-WT**=2' x 2' Tall Surface Mount Kit **ISHH-01**=Programming Remote for Integrated Sensor [D] **ISHH-02**=Personal Control Remote for Integrated Sensor [D]
Notes (14) White tuning provides correlated color temperatures (CCT) between 3000K (warm) to 5000K (cool) or 2700K (warm) to 6500K (cool). Must be used in conjunction with W2A driver only. Must be used with two (2) 10V dimming control channels, 1 color, 1 intensity. May be combined with Wavelinx sensor control systems only. Integrated options must be used in conjunction with the associated system and may not be compatible with other options or accessories. Please refer to the following: (A) Consult WaveLinx system pages for additional details and compatibility. (C) Consult WaveLinx Low-Voltage or DLVP system pages for additional details and compatibility. (E) Consult Fifth Light system pages for additional details and compatibility. (F) Consult Marketplace Options - Lutron system pages for additional details and compatibility. Compatible only with driver series shown, and may require two or more drivers. Requires field commissioning to operate or dim. Contact Lutron at www.lutron.com. (G) Not compatible with GTR, ETRD, or integrated sensor options. (H) Available with UNV voltage only.		**Notes** (15) Matching width lens band on other side of sensor band may be supplied for symmetrical appearance. Required for use with sensor and emergency combination. Add "D" to sensor ordering as shown - WAAD, WABD, SDVPD1. (16) WAA sensor to be used with CD or W2A driver. (17) WAB and SVPD1 sensor to be used with CD driver. (18) WLA sensor to be used with LV driver. Integrated options must be used in conjunction with the associated system and may not be compatible with other options or accessories. Please refer to the following: (A) Consult WaveLinx system pages for additional details and compatibility. (B) WaveLinx Lite devices are not currently compatible with the WaveLinx Wireless Area Controller. Consult WaveLinx Lite system pages for additional details and compatibility. (C) Consult WaveLinx Low-Voltage or DLVP system pages for additional details and compatibility. (D) Consult SVPD series system pages for additional details and compatibility.		**Notes** (19) An EQ Grid Clip is recommended for all 9/16" ceiling systems. Four required per fixture. Integrated options must be used in conjunction with the associated system and may not be compatible with other options or accessories. Please refer to the following: (D) For use with SVPD sensor only. Consult SVPD series system pages for additional details and compatibility.

Metalux 22CZ2 LED

Product Specifications

Construction
- Die formed of code gauge prime cold rolled steel with full length die-formed stiffeners
- Unibody endplates attached with interlocking tabs and screws
- Hemmed side flanges
- Four auxiliary fixture end suspension points
- Integral Grid-lock feature for endplates for added safety
- Optional earthquake clips available

Integrated Controls
- 0-10V dimming to 1% standard
- WaveLinx wireless fixture for sensor-less wireless control
- WaveLinx wireless sensor compatible for standalone, controlled, connected, and IoT capability
- SVPD sensor compatible for standalone functionality
- Low-voltage sensor and driver compatible for WaveLinx Low-Voltage and DLVP applications
- DALI 2.0, Lutron, and step-dimming available

LED and Light Engine
- LED's available in 3000K, 3500K, 4000K, or 5000K at 80 CRI minimum and 90 CRI minimum
- Color accuracy ≤3-Step MacAdam ellipse (SDCM)
- TM21 life at 60,000 hours up to L90 and calculated L70 exceeds 203,000 hrs.
- Drivers available in 120-277V and 347V
- Tunable white options available with Cooper Lighting Solutions' Vividtune

Emergency Battery Options
- Optional emergency battery available in 7W and 14W
- 90-minute backup period for code compliance
- Laser point test from floor for ease of use on 7W and 14W versions
- EZ Key feature prevents accidental discharge during construction on 7W and 14W versions
- Integral emergency transfer relay options available

Finish
- Multistage, iron phosphate pretreatment
- 90% reflective, matte white enamel finish
- Full fixture housing painted after fabrication

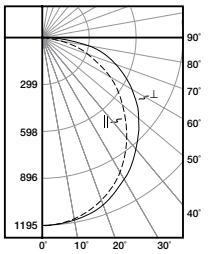
Shielding
- Ribbed acrylic frosted lens standard
- Optional smooth acrylic frosted lens (S)
- Optional metal perforated acrylic lens (RDP)
- Optional High-Efficiency Round Perf Inlay (HRP)

Compliance
- IC rated for insulation contact
- cULus listed for damp locations
- RoHS compliant
- Tested to IESNA LM-79 and LM-80
- Stated life tested to TM21 standards
- Can be used for State of California Title 24 high efficacy luminaire

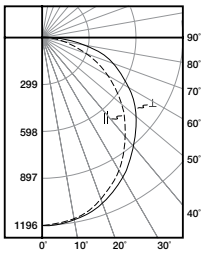
Warranty
- Five-year warranty standard. Optional ten year warranty available.

Photometric Data

View IES files



22CZ2-24-UNV-L830-CD1-U
Dimming Driver
Linear LED 3000K
Spacing criterion: (II) 1.2 x mounting height, (⊥) 1.28 x mounting height
Lumens: 2437
Input Watts: 21.9W
Efficacy: 111.3 LPW
Test Report: 22CZ2-24-UNVL830-CD1-U.IES



22CZ2-24HE-UNV-L830-CD1-U
Dimming Driver
Linear LED 3000K
Spacing criterion: (II) 1.19 x mounting height, (⊥) 1.27 x mounting height
Lumens: 2402
Input Watts: 19.2W
Efficacy: 125.1 LPW
Test Report: 14CZ2-29-UNV-L830-CD1-U.IES

Energy and Performance Data

Standard Efficacy Versions – Single Row of LEDs

Catalog Number	Lumens	Watts	lm/W
22CZ2-20-UNV-L835-CD1-U	2142	16.2	132
22CZ2-24-UNV-L835-CD1-U	2454	18.5	133
22CZ2-32-UNV-L835-CD1-U	3272	24.2	135
22CZ2-39-UNV-L835-CD1-U	3953	31	128
22CZ2-44-UNV-L835-CD1-U	4462	33	134

High Efficacy Versions – Two Rows of LEDs

Catalog Number	Lumens	Watts	lm/W
22CZ2-20HE-UNV-L835-CD1-U	2030	15.0	135
22CZ2-24HE-UNV-L835-CD1-U	2474	18.1	137
22CZ2-29HE-UNV-L835-CD1-U	2982	20.9	143
22CZ2-34HE-UNV-L835-CD1-U	3426	24.3	141
22CZ2-39HE-UNV-L835-CD1-U	3997	28.5	140
22CZ2-44HE-UNV-L835-CD1-U	4567	32.8	139

Very High Efficacy Versions – Three Rows of LEDs

Catalog Number	Lumens	Watts	lm/W
22CZ2-20VHE-UNV-L835-CD1-U	2008	14.2	141
22CZ2-24VHE-UNV-L835-CD1-U	2501	17.5	143
22CZ2-29VHE-UNV-L835-CD1-U	3114	21.7	144
22CZ2-34VHE-UNV-L835-CD1-U	3598	25.1	143
22CZ2-39VHE-UNV-L835-CD1-U	4078	28.6	143
22CZ2-44VHE-UNV-L835-CD1-U	4620	32.6	142
22CZ2-50VHE-UNV-L835-CD1-U	5095	36.2	141
22CZ2-55VHE-UNV-L835-CD1-U	5530	39.4	140
22CZ2-60VHE-UNV-L835-CD1-U	6110	44.1	139
22CZ2-65VHE-UNV-L835-CD1-U	6559	47.9	137
22CZ2-70VHE-UNV-L835-CD1-U	7017	50.3	140
22CZ2-75VHE-UNV-L835-CD1-U	7557	54.7	138
22CZ2-80VHE-UNV-L835-CD1-U	8092	59.1	137
22CZ2-85VHE-UNV-L835-CD1-U	8615	63.6	136
22CZ2-90VHE-UNV-L835-CD1-U	9125	68.2	134
22CZ2-95VHE-UNV-L835-CD1-U	9610	72.7	132
22CZ2-100VHE-UNV-L835-CD1-U	10108	77.7	130
22CZ2-110VHE-UNV-L835-CD1-U	11065	87.7	126

Shielding

Lumen Adjustment Factors			
S	RDP	HRP	SQR
1.05	0.67	0.80	0.96

Lumen Calculator

CCT Multiplier	80 CRI	90 CRI (1)
3000K	0.965	0.827
3500K	1.000	0.847
4000K	1.019	0.856
5000K	1.019	0.909

Notes: (1) Input wattages for 90 CRI versions may vary. Refer to published IES-format photometry or LM-79 reports for more details.

Example of Lumen Adjustment Calculation

22CZ2-32-UNV-L935-CD1-U at 90CRI at 3500K

Lumen Adjustment Factor = 0.845

Total Light Output =

3,280 lm x 0.845 = 2,772 lm

$$\textit{Efficacy} = \frac{2{,}772\ lm}{26.7W} = 103.8\ lm/W$$

Lumen Maintenance

Version	TM-21 Lumen Maintenance (60,000 hours) (2)	Theoretical L70 (Hours) (3)
Standard	> 85%	> 151,000
High Efficiency	> 90%	> 203,000
Very High Efficiency	> 90%	> 203,000

Notes: (2) Supported by IES TM-21 standards. (3) Theoretical values represent estimations commonly used; however, refer to the IES position on LED Product Lifetime Prediction, IES PS-10-18, that explains proper use of IES TM-21 and LM-80.

Load Data (Stock Product)

Thd	6%
Power Factor	0.99
Weight (lbs.)	10.6
Low Temp. Start	-20°C

Shipping Data

Catalog No.	Wt.	Pallet 49"L x 52"W x 55"H
2' x 2'	12.5 lbs.	48

Air Return Volume

Negative Static Pressure (Inches H_2O)	Return Air Volume (CFM)
0.05	79
0.1	112
0.2	161
0.25	177
0.3	198
0.45	239

Control Systems

- WaveLinx Wireless
- WaveLinx Wired
- WaveLinx Lite
- DLVP
- VividTune

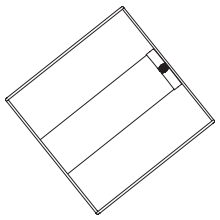
Connected Systems
CLICK HERE

The Cruze ST with Integrated Sensor technology provides automatic energy savings without sacrificing performance. The Cruze ST delivers superior lighting with integrated occupancy and daylighting controls.

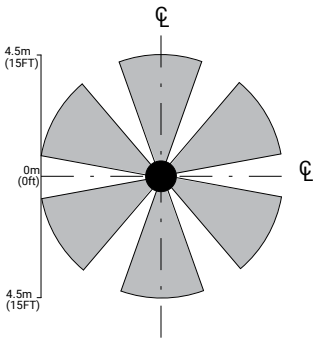
For standalone and controlled applications, the WaveLinx Lite integral sensor provides out-of-the-box functionality with no gateways required and factory startup is not needed.

When more connectivity is required, the WaveLinx Wireless sensor meets modern code and utility requirements, delivers energy and cost savings, while enabling buildings to become smart buildings.

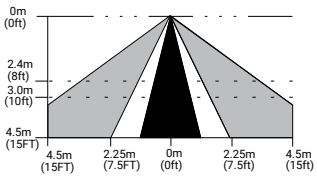
The WaveLinx Wireless Connected Lighting System combined with Trellix provides an open IoT platform and infrastructure that connects intelligent sensors leveraging the real-estate of the physical light fixture to solve higher complexity problems to deliver actionable insights through the aggregation of valuable data.



TOP VIEW:



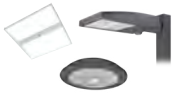
SIDE VIEW:



***Note**: Installation of integrated sensors within 3-ft (1m) of HVAC air vents is not recommended. The pattern shown is intended solely as a general guide and is not to scale.*

Systems comparison chart

Cooper Lighting Solutions provides many lighting system solutions designed to satisfy code requirements and meet the unique needs of any project.



	Standalone	Controlled WaveLinx Lite	Connected WaveLinx Wireless	Enterprise Trellix
Occupancy	Yes	Yes	Yes	Yes
Daylighting	Yes	Yes	Yes	Yes
Gateways	–	–	1 WAC	300 WACs
Devices	–	50 per Area (1400 per site)	150 per WAC	45,000 per Core Enterprise
Software	–	WaveLinx Lite Mobile App	WaveLinx Mobile App	Trellix Core
Areas	–	28 per Site	16 per WAC	up to 4,800
Zones	–	16 per Area	16 per Area	up to 76,800
Scheduling	–	–	Local	Global
VividTune™	–	–	Yes	Yes
Plug-Load Control	–	–	Yes	Yes
Low-Voltage Power	–	–	Yes	Yes
Integration	–	–	–	BACnet, API
Dashboards	–	–	–	Energy, Occupancy
Configuration	–	Installer	Technician	Technician / IT

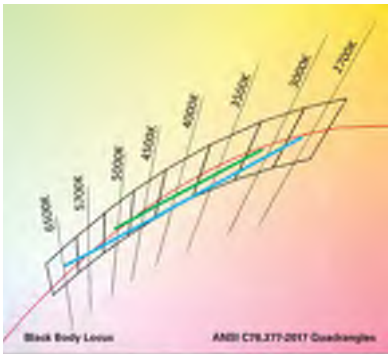
SCALABILITY

devices → areas → floors → buildings

VividTune™
color tuning solutions

22 Cruze ST LED with VividTune Tunable White

VividTune tunable white luminaires from Cooper Lighting Solutions deliver high-quality light in a broad range of continuously variable color temperatures and intensities. Create a dynamic environment by adjusting the ambient light warmer or cooler to influence mood, support the task at hand, or create a dramatic ambience. The ability to control correlated color temperature and intensity separately using simple controls is the next evolution of LED lighting for the commercial, educational, healthcare and hospitality space. The unparalleled flexibility and number of available lighting environments enable users to find the right light with tunable white.



3000K - 5000K
2700K - 6500K

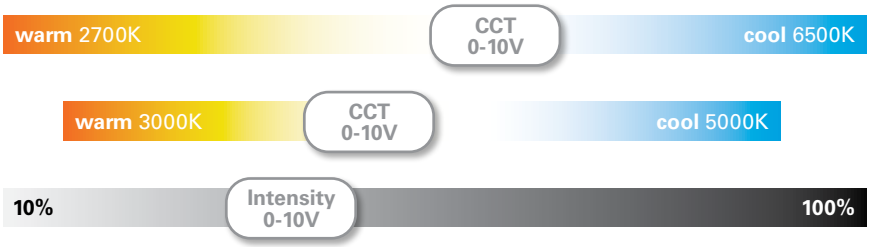
Performance Data*

Tunable White - Lumen Adjustment Factors				
CCT	3000K-5000K		2700K-6500K	
	80 CRI	90 CRI	80 CRI	90 CRI
2700K	-	-	0.868	0.741
3000K	0.894	0.736	0.893	0.771
3500K	0.946	0.804	0.924	0.809
4000K	0.993	0.868	0.944	0.835
4500K	1.002	0.883	0.961	0.857
5000K	1.002	0.883	0.974	0.874
6500K	-	-	0.988	0.897

2' x 2' Cruze ST LED - Example of Approximate Lumen Calculation			
	Standard Catalog #	VividTune 80 CRI Catalog #	VividTune 90 CRI Catalog #
CCT Setting	22CZ2-34HE-UNV-L835-CD1-U	22CZ2-34HE-UNV-L83050-W2A1-U	22CZ2-34HE-UNV-L93050-W2A1-U
3000K	-	3026	2491
3500K	3386	3202	2722
4000K	-	3362	2940
4500K	-	3394	2991
5000K	-	3394	2991

Controlling VividTune Tunable White

VividTune luminaires make tunable white more accessible by using simple and familiar controls. From wall dimmers to wireless controls, VividTune tunable white luminaires are compatible with industry standard 0-10V dimming controls. A single 0-10V dimming input is used to control intensity (brightness) while a second 0-10V dimming input is used to adjust CCT. For suggested control configurations, go to www.cooperlighting.com for tunable white application guides.



Example of Lumen Adjustment Calculation

22CZ2-34HE-UNV-L83050-W2A1-U
at 80 CRI tuned to 3500K

Adjusted Lumen =
published lm x adjusted lm factor

Adjusted Lumen = 3386 x 0.946

Adjusted Lumen = 3202 lm

** Lumen adjustment factors are for reference and may be different for each product selected. Refer to IES files for actual performance data on each.*

Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

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Specifications and dimensions subject to change without notice.

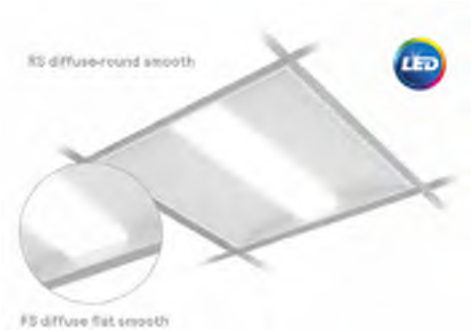
Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALB-001-SI

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Recessed Troffer Fixture
Item Type	Recessed Box
Description	2x2 Lensed Center Basket Troffer
Manufacturer	Signify / Day-Brite
Model	FluxGrid gen 2 2x2, 2FGXG38B8352RSUNVDIM
Dimensions	24"L x 24"W x 3.125"H
Finish	White
Global Specification	Y
CSI #	26 51 00 Interior Lighting
Omniclass #	22-265100 Interior Lighting
Part of an Assembly	N
Dimming Type	0-10V Dimming Driver (10%-100% Dimming)
Trim	White
Mount	Recessed ACT
On Dimming System	No
Lens/Shade	Acrylic Frosted
Fixture Input (Max. Watts)	28W
Lamp Type	LED-I
Lamp Kelvin	3500K
Voltage	120-277V
Delivered Lumens (LED) or Mean Lumens (Non-LED)	3800
Lamp CRI	80+
Finish	White
Warranty	5 years
Notes	Efficacy: 136 lm/W Lamp Life/Fixture Life: 85,000 hrs

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

ALTERNATE MANUFACTURER 2

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny

AREAS

Employee Areas
Administration
Housekeeping
Storage
Guest Laundry

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Phone: (678) 447-5208 Email: kathleen.kenny@cooperlighting.com	
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Day-Brite

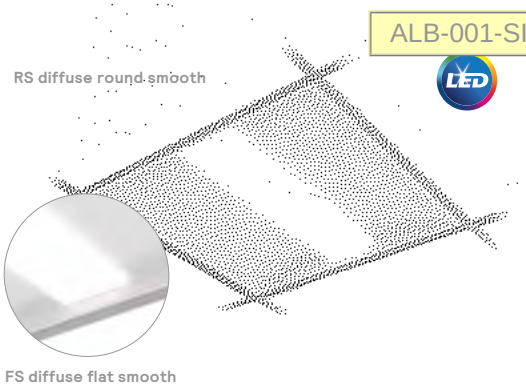
CFI by signify

Recessed

FluxGrid gen 2 2x2

2FGX up to 6000 lumens

ALB-001-SI



Project:

Location:

Cat.No:

Type:

Lamps: Qty:

Notes:

Day-Brite / CFI FluxGrid gen 2 LED recessed offers architectural appeal with "must have" features. Two different lens styles, discrete air return, integral emergency, and access to the boards and driver from below make FluxGrid gen 2 an ideal solution for a wide range of applications.

Ordering guide – standard & wireless controls

Standard configurations available with all choices, unless otherwise noted. Base configurations selections indicated by blue.

example: 2FGXG38B840-2-RS-UNV-DIM

Width	Family	Ceiling Type	Air Function	Lumens (nominal delivered)	Color	Length	Center Diffuser	Voltage	Driver	Options
2	FGX	G		38L	35	2	RS	UNV	DIM	
2 2' FluxGrid	**FGX** FluxGrid	**G** Grid	**Blank** Static **H** Air return	Base Configurations **38B** 3800 Standard Configurations **15L** 1500 **20L** 2000 **30L** 3000 **38L** 3800 **45L** 4500 **54L** 5400 **60L** 6000 Standard configuration lumen packages may be ordered in increments of 100lms from the lowest to highest lumen package	**830** 80 CRI, 3000K **835** 80 CRI, 3500K **840** 80 CRI, 4000K **850** 80 CRI, 5000K **935**[5] 90 CRI, 3500K **940**[5] 90 CRI, 4000K **950**[5] 90 CRI, 5000K	**2** 2'	**FS** Diffuse flat smooth **RS** Diffuse round smooth	**UNV** Universal voltage 120-277V **347** 347V	**DIM**[1] Dimming **SDIM** Step dimming to 40% input power **XDIM**[9,10] MarkX phase dimming **LDE**[5] Lutron LDE5 5% dimming **DALI** DALI	**F1** 3/8" flex, 3 wire 18 gauge 6' **F2** 3/8" flex, 4 wire 18 gauge 6' **F1/D** 3/8" twin flex, 3 wire 18 gauge 6' for dimmable luminaires **F2/5W** 3/8" single flex, 5 wire 18 gauge 6' for dimmable luminaires **F2/6W** 3/8" single flex, 6 wire 18 gauge 6' for dimmable and EMLED luminaires **GLR** Fusing, fast blow **BSL10LST**[4] Bodine 10W self-testing battery pack **BSL6LST**[4] Bodine 6W self-testing battery pack **DSC** Quick driver disconnect **CHIC**[3] Chicago Plenum rated **ER100**[6,7] UL924 listed sensor bypass relay, factory installed between driver & sensor **GTD/E**[4,6] UL924 listed Bodine GTD factory installed on driver input **GTD/SNSR**[4,6,7] UL924 listed Bodine GTD factory installed between driver and sensor **SWZCS**[2,8] Interact Pro scalable sensor with integral daylight & occupancy sensing, advanced grouping with dwell time **SWZDT**[2] SpaceWise only sensor, daylighting and occupancy, advanced grouping with dwell time **RADIO**[2] Interact Pro RF sensor, enables wireless connected lighting control **IAOSB**[2,8] Interact Office advanced wireless sensor bundle, integral SC1500 w/IoT capabilities for enterprise scale projects **AG** Antimicrobial finish **BAC**[11] Meets the requirements of the Buy American Act of 1933 (BAA)

1 Integral controls options dimmable to 5% via wireless wall switch. Non-controls options are 0-10v dimmable to 1% for Standard configurations,and to 10% for Base configurations.
2 Specify only with -DIM driver option.
3 CHIC option not provided with air return functionality.
4 Not available with 347V.
5 Option is qualified as Engineered-to-Order (ETO) ready. Lead times and minimum order quantities may vary, please consult factory.
6 Must be installed in conjunction with a UL1008 device.
7 Must be ordered with an integral sensing option.
8 Must order IRT9015 Interact commissioning remote with each system order.
9 XDIM requires 120V or 277V specification
10 Only available in lumen package range from 45L-60L
11 Failure to properly select the "BAC" suffix could result in you receiving product that is not BAA compliant product with no recourse for an RMA or refund. This BAC designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies.
12 Consult Signify to confirm whether specific accessories are BAA-compliant.

Accessories[12] (order separately)

- **FSF22 –** 2'x2' surface mount field installation kit (field assembled)
- **FMA22 –** 2'x2' "F" mounting frame for NEMA "F" ceiling
- **FSK22 –** 2'x2' surface mount field installation kit (factory welded seams)

SWZCS accessories[10] (order separately)

- **IRT9015 –** handheld remote for grouping and configuration (at least one remote required for any SWZCS installation).
- **UID8451/10 –** Wireless Dimmer Switch Selector
- **UID8461/10 –** Wireless Scene Selector

Not all product variations listed on this page are DLC qualified. To ensure that a specific model is qualified, visit www.designlights.org/search

interact ready.

2FGX FluxGrid gen 2 recessed 2x2

up to 6000 lumens

Application

- 3-1/8" deep low profile configuration provides minimal penetration into the plenum space.
- Acrylic diffusers available in round and flat smooth configurations which provides even illumination with comfortable appeal.
- Standard and base configurations available in multiple lumen packages to suit the needs of various applications.
- Lambertian distribution creates uniform horizontal and vertical illuminance on the work plane and reduces scalloping on the walls.
- CRI 80 minimum color rendering with balanced spectrum.
- LEDs coupled with standard dimming provide prolonged lumen maintenance. Optional integral sensors contribute further to LED lumen maintenance.
- Designed for use with standard Grid (NEMA "G") or Narrow Grid (NEMA "NFG") ceiling T-bars. Drywall or plaster requirements can be accommodated by using an FMA22 "F" mounting frame (sold separately).
- Continuous row mounting is possible with a 1" gap between fixtures accommodated by others.

Enclosure

- Opal acrylic diffuser provides visually comfortable lumenance without compromise to luminaire efficacy.
- Diffuser requires no frames or fasteners and can be easily removed from below.

Construction/Finish

- Uncomplicated design is 3-1/8" deep with minimal material overlap creating several benefits:
  - Less material required
  - Less packaging required
  - Reduced weight for ease of handling and transit
  - Less energy required for construction and assembly
  - More luminaires can be shipped per truck to reduce fuel consumption
- Metal side covers are die formed with a conical shape to enhance light distribution and visual aesthetic.
- Luminaire finish is matte white polyester powder coat for high quality, durable finish.
- T-bar grid clips are integral to the body.
- Air return option provides air flow through architectural forms located at each end of the lens. Air passes through these forms and through the end plates of the luminaire. A cover plate is provided to control air flow through the luminaire, or make it static as required.
- Integral controls options include sensor mounted architectural form at one end of the lens.
- Bodine BSL10LST and BSL6LST options require the emergency battery pack be installed with a top side cover. Access from above.
- To estimate lumen output in emergency mode, multiply emergency pack wattage by efficacy, then by 1.10.

General notes

- All options are factory installed.
- All accessories are field installed.
- Many luminaire components, such as reflectors, refractors, lenses, sockets, lampholders, and LEDs are made from various types of plastics which can be adversely affected by airborne contaminants. If sulfur based chemicals, pertroleum based products, cleaning solutions, or other contaminants are expected in the intended area of use, consult factory for compatibility.

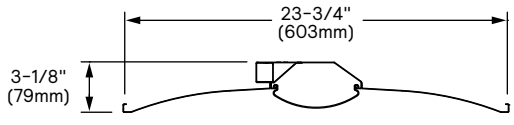
Electrical

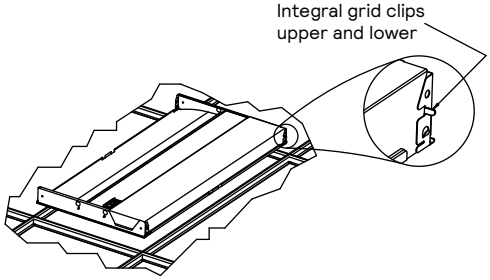
- Integral sensor options for occupancy sensing and/or daylight harvesting are available for additional energy savings with no reduction of life or increase in installation labor.
- Standard configurations provide up to 142 lumens per watt and are available with multiple lumen packages and 3000, 3500, 4000, and 5000K color temperatures.
- Base configuration provides up to 120 lumens per watt and are available in 3800 lumen flux and 3500K and 4000K color temperatures.
- LED boards are accessible from below by removal of the lens.
- LED driver is accessible from below by removal of the lens and integral wireway cover.
- Other driver options including step dimming (SDIM, 100%/40%), DALI, phase dimming (XDIM), and Lutron are available.
- 5 year manufacturer's limited warranty. Visit signify.com/warranties for complete warranty information.
- TM-21 predicted L70 lumen maintenance up to 85,000 hours.
- cETLus listed to UL and CSA standards, suitable for damp locations.

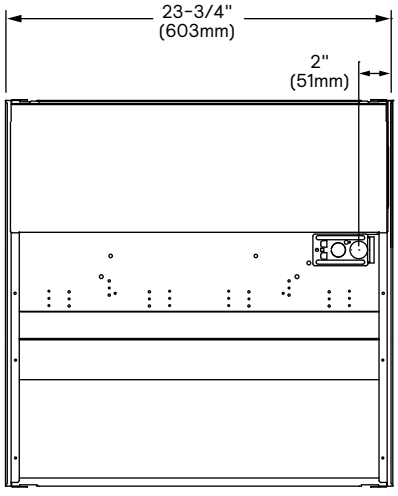
Energy data

Luminaire	Catalog Number	Input Power	Efficacy
2x2 Standard	2FGXG15L840-2-RS-UNV	11	141
	2FGXG20L840-2-RS-UNV	14	142
	2FGXG30L840-2-RS-UNV	22	139
	2FGXG38L840-2-RS-UNV	28	136
	2FGXG45L840-2-RS-UNV	34	133
	2FGXG54L840-2-RS-UNV	43	128
	2FGXG60L840-2-RS-UNV	47	125
2x2 Base	2FGXG38B840-2-RS-UNV	32	120

Dimensions







2FGX FluxGrid gen 2 recessed 2x2

up to 6000 lumens

Wireless Controls Options

SpaceWise DT (SWZDT)

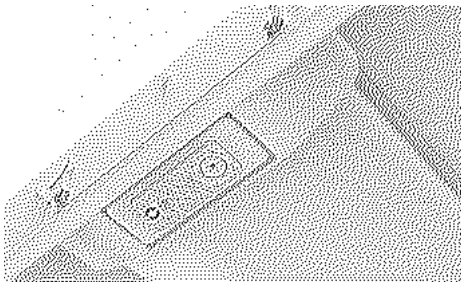
- Standalone daylight and occupancy sensing with advanced grouping, wireless mesh networking and dwell time.
- Commissioning via compatible Android phone and Philips Field App
- Dimming via compatible Zigbee wireless wall switch only (see link below for details)
- Register for the commissioning app at http://registration.componentcloud.philips.com/appregistration/
- Integral sensing options may not be combined
- For more information including recommended switches, refer to the following: –

  SWZDT – www.usa.lighting.philips.com/systems/lighting-systems/spacewise

Emergency Options (ER100)

- Power Sensing (Factory default) – Recommended UL924 option requires unswitched power sense line, absence of voltage on the normal circuit triggers luminaire to 100% output
- Power Interruption Detection (Field option) – Detects AC power interruption >30ms triggers 90 minute emergency mode with luminaire at 100% output

FluxGrid shown with integral sensor



Interact Pro scalable sensor for Foundation, Advanced & Enterprise tiers (SWZCS and an evolution of SpaceWise)

- SWZCS is a connected sensor with integral occupancy and daylight sensing and supports wireless mesh connectivity.
- The sensor works in the Foundation mode (similar to SpaceWise) when configured without a gateway or in an Interact Pro Advanced or Enterprise mode if a compatible gateway is used.
- Interact Pro includes an App, a portal and a broad portfolio of wireless luminaires, lamps and retrofit kits all working on the same system.
- Startup is implemented via Interact Pro App (Android or iPhone) & BlueTooth connectivity. The App provides flexibility to choose between a gateway or non gateway mode for setup.
- Setup with the gateway requires wired internet access to the gateway. It is possible to add a gateway at a later point.
- Prepare project configuration steps remotely and use IRT9015 remote onsite to identify and group devices together.
  - Compatible with:
    - UID8451/10 wireless dimmer switch
    - SWS200 wireless scene switch
    - Battery powered IP42 presence sensor OCC sensor IA CM WH 10/1
    - Battery powered IP42 presence & daylight sensor OCC-DL sensor IA CM IP42 WH
    - Battery powered IP65 presence sensor OCC sensor IA CM IP65 WH
    - Battery powered IP65 presence & daylight sensor OCC-DL sensor IA CM IP65 WH
- For more information on Interact Pro visit: www.interact-lighting.com/interactproscalablesystem

Radio only sensor (RADIO)

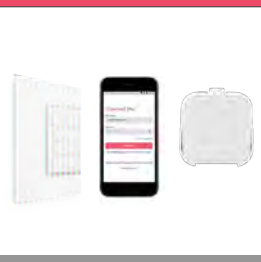
- Integral RADIO only sensor simply enables wireless mesh connectivity to the luminaire without any occupancy or daylight sensing.
- Ideal for applications where sensing functionality is managed by other Interact devices and the luminaire only needs to have wireless connectivity.

Interact Pro scalable sensor bundles for Enterprise tier

- IAOSB option in addition to occupancy and daylight sensing supports advanced IoT capabilities such as people estimation analysis, desk level temperature & humidity sensing, noise classification, and BLE beacon.
- Compatible with UID8451/10 wireless dimmer switch, SWS200 wireless scene switch, wireless Occ sensor (OCC SENSOR IA CM IP42 WH 10/1) and wireless Day/Occ sensor (OCC MULTI SENSOR IA CM WH 10/1) and wireless Occupancy or Daylight & Occupancy sensors available.
- Use Interact software and insights to increase building efficiency, achieve building wide integration and optimize space through occupancy analytics.
- Requires compatible Gateway and internet connectivity for commissioning.
- For more information, visit: www.interact-lighting.com/office or www.usa.lighting.philips.com/systems/system-areas/offices

2FGX FluxGrid gen 2 recessed 2x2

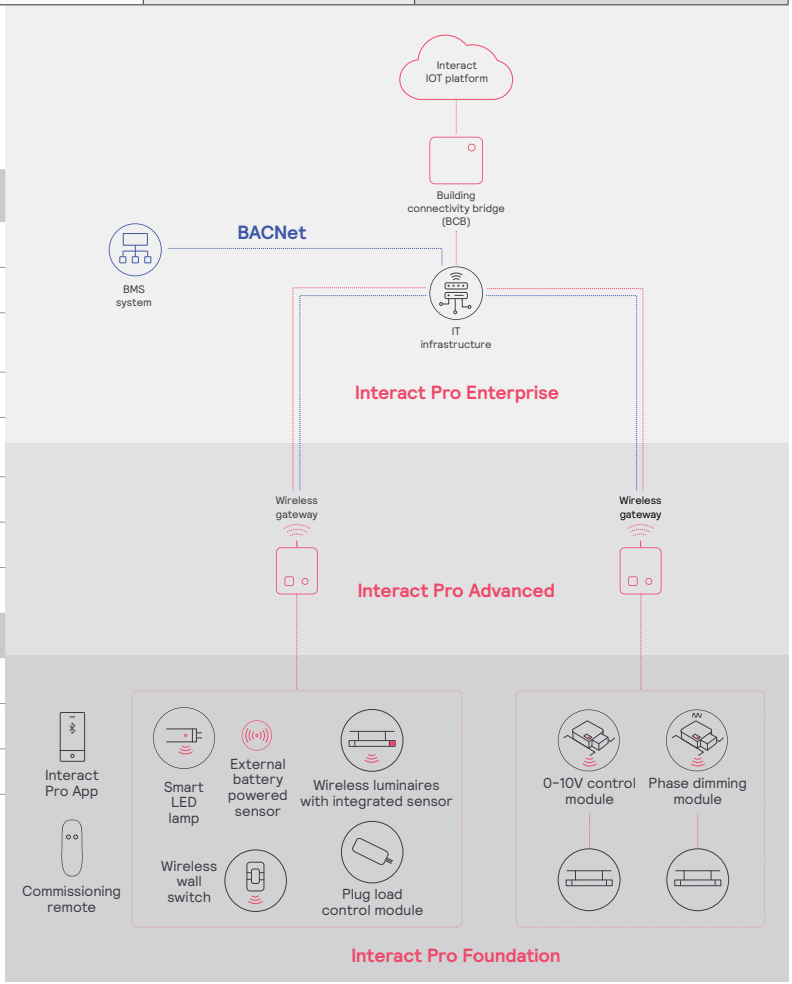
up to 6000 lumens

	Interact Pro scalable system		
			
	Foundation	Advanced	Enterprise
Dimming, grouping, and zoning	✓	✓	✓
Bluetooth and ZigBee enabled	✓	✓	✓
Motion sensing and daylight harvesting	✓	✓	✓
Integration with 0–10V and phase dimming fixtures	✓	✓	✓
Code compliance	✓	✓	✓
Granular dimming and dwell time	✓	✓	✓
Energy reporting and monitoring		✓	✓
Scheduling		✓	✓
Demand response		✓	✓
BMS integration (BACnet)			✓
Floor plan visualization			✓
IoT sensors for wellness			✓
IoT Apps for productivity			✓

Currently supported maximum system size

To be able to design the lighting system correctly for the customer, it is important to know the prime characteristics of the system, its possibilities and limitations.

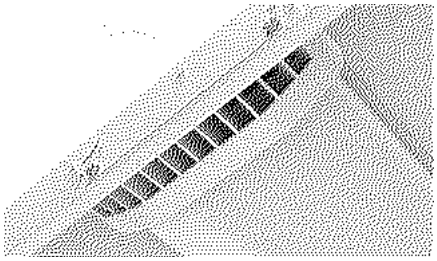
System level	
Total number of gateways	Unlimited
Total number of devices	200 per network
• luminaires with integrated sensors	150
• smart TLEDS	150
Total number of ZGP devices (sensors and switches)	50
• sensors	30
• switches	50
• zones and groups	64
Group level	
Recommended number of lights	40 (recommended 25)
Number of ZGP devices	5
Number of scenes	16



2FGX FluxGrid gen 2 recessed 2x2

up to 6000 lumens

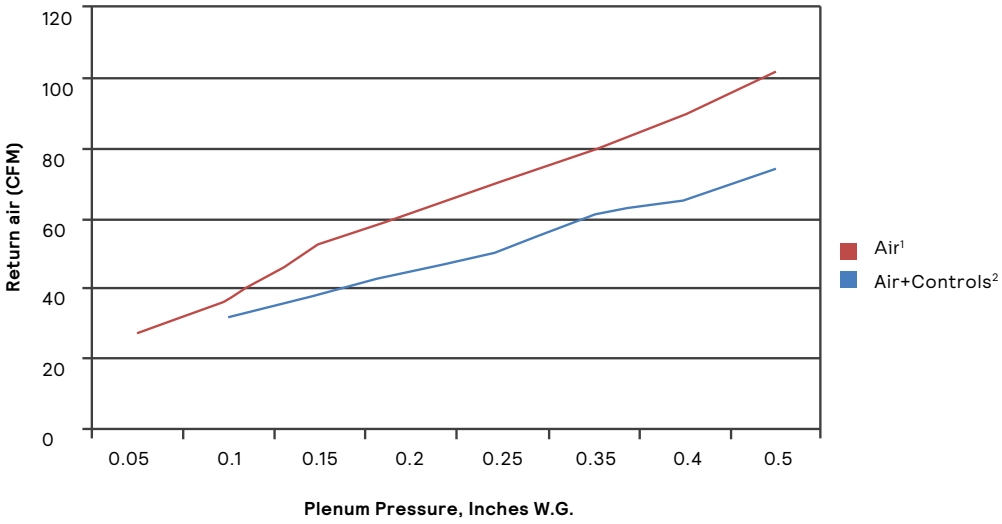
Air return option



Allows air to flow through vents in the architectural forms located at both ends of the lens. Air blades are provided on each end of the luminaire to control air flow to the plenum.

Return air data

All luminaire sizes



Return air – noise criteria

All luminaire sizes

		CFM							
Mode		27	37	53	62	71	80	90	102
Air[1]	NC (dB)	<15	24	25	29	33	35	38	40

		CFM							
Mode			31	38	45	51	61	65	74
Air+Controls[2]	NC (dB)		<15	19	21	25	28	30	34

1. Air-only option includes air return forms and pattern control blades on both ends of luminaire.
2. Air+Controls includes the air return form and pattern control blade on one end of the luminaire. Control form on the other with matching width.

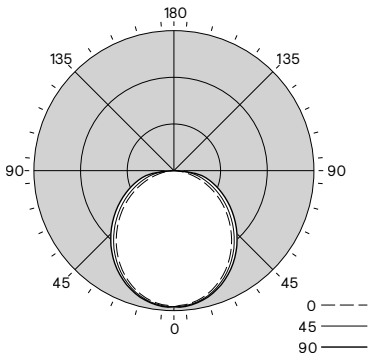
2FGX FluxGrid gen 2 recessed 2x2

up to 6000 lumens

Photometry

2FGXG38B840-2-RS-UNV

Luminaire Lumens	3787
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	31.5
Spacing Criterion (0-180)	1.24



Candela Distribution						Flux
	0	22.5	45	67.5	90	Lumens
0	1361	1361	1361	1361	1361	
5	1345	1346	1354	1361	1363	129
15	1280	1285	1298	1306	1310	365
25	1157	1164	1183	1200	1204	544
35	991	1001	1027	1053	1062	642
45	799	811	844	879	892	652
55	599	613	653	694	710	585
65	396	413	464	512	531	459
75	203	228	291	343	366	304
85	48	72	105	122	127	106
90	2	3	3	3	2	

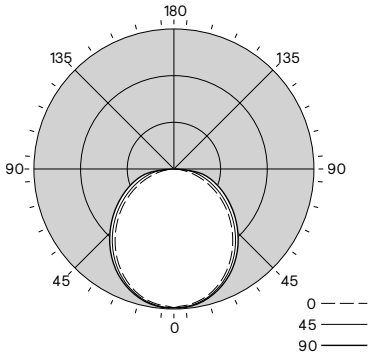
Zonal Lumen Summary			
Zone	Lumens	%Fixture	%Lamp
0-30	1038	27.4%	27.4%
0-40	1680	44.4%	44.4%
0-60	2917	77.0%	77.0%
0-90	3786	100.0%	100.0%
0-180	3787	100.0%	100.0%

Avg. Luminance (cd/m²)			
	0	90	180
0	3994	3994	3994
5	3961	3989	4014
15	3887	3943	3980
25	3746	3830	3899
35	3550	3677	3804
45	3315	3504	3700
55	3065	3343	3632
65	2748	3218	3684
75	2301	3299	4148
85	1611	3543	4257

Coefficients of Utilization %											
Pc---	80				70			50			0
Pw---	70	50	30	10	70	50	30	50	30	10	0
RCR											
0	119	119	119	119	116	116	116	111	111	111	100
1	108	103	99	95	105	101	97	97	93	90	83
2	98	90	83	77	96	88	81	84	79	74	68
3	89	79	70	64	87	77	69	74	67	62	58
4	82	70	61	54	80	68	60	66	59	53	49
5	75	62	53	46	73	61	53	59	51	46	42
6	70	56	47	41	68	55	47	53	46	40	37
7	65	51	42	36	63	50	42	49	41	35	33
8	60	46	38	32	59	46	38	44	37	32	29
9	56	43	34	29	55	42	34	41	34	29	26
10	53	39	31	26	51	39	31	38	31	26	24

2FGXG30L840-2-RS-UNV

Luminaire Lumens	3040
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	21.8
Spacing Criterion (0-180)	1.24



Candela Distribution						Flux
	0	22.5	45	67.5	90	Lumens
0	1090	1090	1090	1090	1090	
5	1076	1079	1086	1091	1091	103
15	1028	1031	1041	1049	1050	293
25	930	935	950	963	966	437
35	795	803	825	845	851	515
45	640	651	678	703	711	522
55	479	491	522	554	565	467
65	316	332	371	409	424	367
75	163	184	234	277	295	244
85	38	60	88	104	110	89
90	2	3	5	7	8	

Zonal Lumen Summary			
Zone	Lumens	%Fixture	%Lamp
0-30	834	27.4%	27.4%
0-40	1349	44.4%	44.4%
0-60	2339	76.9%	76.9%
0-90	3039	100.0%	100.0%
0-180	3040	100.0%	100.0%

Avg. Luminance (cd/m²)			
	0	90	180
0	3199	3199	3199
5	3169	3199	3213
15	3123	3163	3188
25	3010	3076	3129
35	2848	2955	3047
45	2656	2813	2951
55	2451	2671	2891
65	2196	2572	2944
75	1851	2648	3343
85	1261	2960	3698

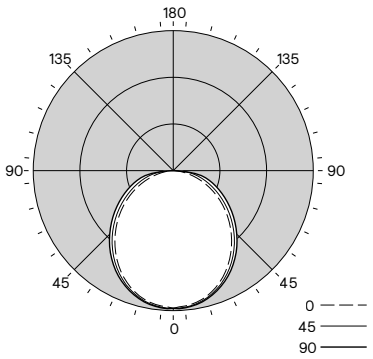
Coefficients of Utilization %											
Pc---	80				70			50			0
Pw---	70	50	30	10	70	50	30	50	30	10	0
RCR											
0	119	119	119	119	116	116	116	111	111	111	100
1	108	103	99	95	105	101	97	97	93	90	83
2	98	90	83	77	96	88	81	84	79	74	68
3	89	79	70	64	87	77	69	74	67	62	57
4	82	70	61	54	80	68	60	66	58	53	49
5	75	62	53	46	73	61	53	59	51	46	42
6	70	56	47	41	68	55	47	53	46	40	37
7	65	51	42	36	63	50	42	49	41	35	33
8	60	46	38	32	59	46	38	44	37	32	29
9	56	43	34	29	55	42	34	41	34	29	26
10	53	39	31	26	51	39	31	38	31	26	24

2FGX FluxGrid gen 2 recessed 2x2

up to 6000 lumens

2FGXG38L840-2-RS-UNV

Luminaire Lumens	3839
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	28.2
Spacing Criterion (0-180)	1.24



Candela Distribution						Flux
	0	22.5	45	67.5	90	Lumens
0	1377	1377	1377	1377	1377	
5	1359	1362	1371	1378	1377	130
15	1299	1302	1314	1324	1325	370
25	1174	1180	1199	1216	1221	552
35	1003	1015	1042	1066	1074	651
45	809	823	856	887	898	660
55	605	621	659	699	714	590
65	400	419	468	517	536	464
75	204	233	295	350	372	309
85	47	76	111	131	138	113
90	3	5	8	12	13	

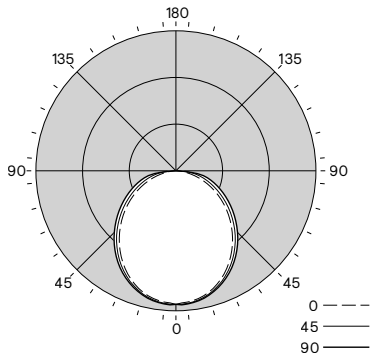
Zonal Lumen Summary			
Zone	Lumens	%Fixture	%Lamp
0-30	1052	27.4%	27.4%
0-40	1703	44.4%	44.4%
0-60	2953	76.9%	76.9%
0-90	3838	100.0%	100.0%
0-180	3839	100.0%	100.0%

Avg. Luminance (cd/m²)			
	0	90	180
0	4039	4039	4039
5	4002	4037	4056
15	3946	3992	4025
25	3801	3883	3951
35	3594	3731	3847
45	3357	3551	3727
55	3096	3370	3654
65	2777	3246	3721
75	2318	3347	4222
85	1596	3726	4628

Coefficients of Utilization %											
Pc---	80				70			50			0
Pw---	70	50	30	10	70	50	30	50	30	10	0
RCR											
0	119	119	119	119	116	116	116	111	111	111	100
1	108	103	99	95	105	101	97	97	93	90	83
2	98	90	83	77	95	88	81	84	79	74	68
3	89	79	70	64	87	77	69	74	67	62	57
4	82	70	61	54	80	68	60	66	58	53	49
5	75	62	53	46	73	61	53	59	51	46	42
6	70	56	47	41	68	55	47	53	46	40	37
7	65	51	42	36	63	50	42	49	41	35	33
8	60	46	38	32	59	46	38	44	37	32	29
9	56	43	34	29	55	42	34	41	34	29	26
10	53	39	31	26	51	39	31	38	31	26	24

2FGXG45L840-2-RS-UNV

Luminaire Lumens	4522
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	34.1
Spacing Criterion (0-180)	1.24



Candela Distribution						Flux
	0	22.5	45	67.5	90	Lumens
0	1622	1622	1622	1622	1622	
5	1600	1605	1616	1624	1623	153
15	1529	1534	1549	1560	1562	436
25	1383	1390	1414	1433	1438	650
35	1183	1194	1228	1257	1265	767
45	953	968	1009	1047	1058	777
55	713	731	777	824	841	696
65	471	494	552	609	631	547
75	241	274	348	414	439	364
85	56	89	132	156	160	132
90	2	3	4	6	6	

Zonal Lumen Summary			
Zone	Lumens	%Fixture	%Lamp
0-30	1240	27.4%	27.4%
0-40	2007	44.4%	44.4%
0-60	3479	76.9%	76.9%
0-90	4522	100.0%	100.0%
0-180	4522	100.0%	100.0%

Avg. Luminance (cd/m²)			
	0	90	180
0	4759	4759	4759
5	4713	4758	4781
15	4645	4705	4744
25	4478	4577	4654
35	4236	4398	4532
45	3954	4187	4390
55	3646	3976	4301
65	3273	3830	4379
75	2733	3949	4971
85	1885	4426	5392

Coefficients of Utilization %											
Pc---	80				70			50			0
Pw---	70	50	30	10	70	50	30	50	30	10	0
RCR											
0	119	119	119	119	116	116	116	111	111	111	100
1	108	103	99	95	105	101	97	97	93	90	83
2	98	90	83	77	96	88	81	84	79	74	68
3	89	79	70	64	87	77	69	74	67	62	57
4	82	70	61	54	80	68	60	66	58	53	49
5	75	62	53	46	73	61	53	59	51	46	42
6	70	56	47	41	68	55	47	53	46	40	37
7	65	51	42	36	63	50	42	49	41	35	33
8	60	46	38	32	59	46	38	44	37	32	29
9	56	43	34	29	55	42	34	41	34	29	26
10	53	39	31	26	51	39	31	38	31	26	24

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Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALB-006-CL

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Recessed Troffer Fixture
Item Type	Recessed Box
Description	2x2 Recessed Troffer
Manufacturer	Cooper Lighting/Metalux
Model	22GR-LD5-43-F1-UNV-L835- CD1-U
Dimensions	24"L x 24"W x 3.25"H
Finish	White
CSI #	26 51 00
Omniclass #	22-265100
Dimming Type	0-10V
Trim	White
Mount	Recessed ACT
On Dimming System	No
Lens/Shade	Acrylic Prismatic Frosted Lens
Fixture Input (Max. Watts)	40.1W
Lamp Type	LED-I
Lamp Kelvin	3500K
Voltage	120-277V
Delivered Lumens (LED) or Mean Lumens (Non-LED)	4360
Lamp CRI	85+
Finish	White
Warranty	5 Years
Notes	Efficacy: 109; Lamp Life/Fixture Life: 60,000 hrs

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 2

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

ALTERNATE MANUFACTURER 3

AREAS

Engineering & Maintenance
Food & Beverage Back-of-House

ALTERNATE MANUFACTURER 4	

Project		**Catalog #**	22GR-LD5-43-F1-UNV-L835-CD1-U	**Type**	
Prepared by	Kathleen Kenny National Accounts	**Notes**	Ph/Cell: 678-447-5208 Kathleen.kenny@cooperlighting.com	**Date**	August 2020

Metalux

22GR LED

2' x 2' LED Troffer
General Recessed LED Troffer
For Use in Insulated Ceilings

Typical Applications
• Office • Schools • Residential • Hospitals
• Retail Merchandising Areas

Interactive Menu

- Order Information page 2
- Photometric Data page 3
- Control Systems page 3
- VividTune™ Color Tuning Solutions page 4
- Product Warranty

Product Certification

c UL us LISTED · DLC · RoHS COMPLIANT · IC RATED · ISTA CERTIFIED

Product Features

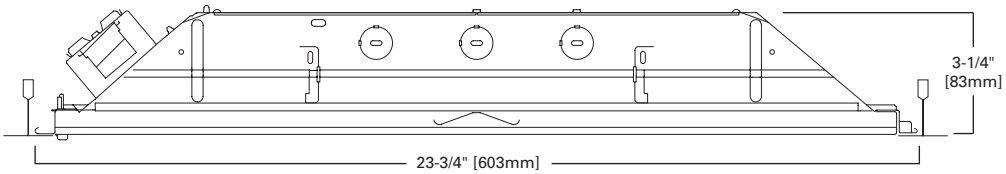
Connected Systems · VividTune color tuning solutions · MWS MODULAR WIRING SYSTEM CLICK HERE · Rapid Response CLICK HERE

LINEAR DISCONNECT
Safe and convenient means of disconnecting power

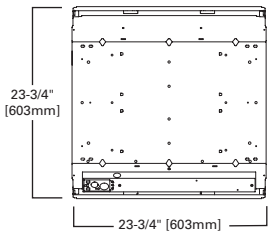
Top Product Features

- Available in 2' x 4', 2' x 2' and 1' x 4'
- Multiple lumen packages up to 18,000 in 2x4 and 9,000 in 2x2
- Up to 140 lm/W for maximum energy savings versus fluorescent troffers
- Correlated Color Temperatures 3000K, 3500K, 4000K and 5000K at 80 and 90 CRI
- Standard 0-10V continuous dimming driver

Dimensional and Mounting Details

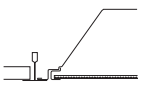


Mounting Data

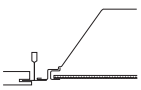


Ceiling Compatibility

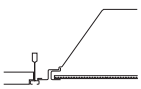
G
Grid/Lay-in
Standard



G
Concealed T



G
Slot Grid

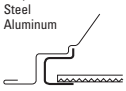


Ceiling Type	Trim Type
Exposed Grid	G
Concealed T	G
Slot Grid	G

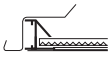
(Verify compatibility/ consult factory.)

Door Frames

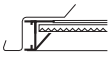
GR
Flat, White Steel Aluminum



GRFA
Flat, Extruded White Aluminum



GRRA
Deep, Regressed, Extruded Natural



Metalux 22GR LED

Order Information

SAMPLE ORDER NUMBER: **22GR-LD5-27-F1-UNV-L835-CD1-U**

Rating	Width / Length	Trim Type	Series	Door Frame	LED Type	LED Lumen Output	Shielding
[Blank]=Standard ~~**ATW-SW4**~~=Chicago Rated	**22**=2' x 2'	**G**=Grid/Lay-in (Standard) (1) **G**=Concealed T **G**=Slot Grid	**R**=General Purpose Troffer	**Standard**=Flat White Steel Door (Leave Blank) **FA**=Flush White Extruded Aluminum c/w Spring Latch **RA**=Regressed White Extruded Aluminum **FAN**=Flush Natural Anodized Extruded Aluminum **RAN**=Regressed Natural Anodized Extruded Aluminum **FAB**=Flush Black Extruded Aluminum **RAB**=Regressed Black Extruded Aluminum **A/WG**=Prismatic Acrylic Lens, Wireguard & Doorframe **F1/WG**=Frosted Prismatic Acrylic Lens, Wireguard & Doorframe	**LD5**=LED 5.0	**20**=2000 (16) **24**=2400 (16) **28**=2800 **32**=3200 **36**=3600 **40**=4000 **43**=4300 **50**=5000 (14) **60**=6000 (14) **70**=7000 (14), (16) **85**=8500 (14), (16) **90**=9000 (14), (16)	**F1**=A12 .095 HP (Standard) **F125**=A12 .125 HP **A**=A12 .095 **A125**=A12 .125 **A19/156**=#19 Pattern Acrylic (.156" Thick) (12) **FGW080**=Frosted Glazed Lens .080
		Notes (1) An EQ Grid Clip is recommended for all 9/16" ceiling systems.	**Notes** (11) DesignLights Consortium® Qualified and classified for DLC Standard, refer to www.designlights.org for details.			**Notes** (9) Nominal lumen output. See table for actual values. (14) White tuning not available with this model. (16) Not compatible with WN driver.	**Notes** (12) A19/156 lens creates holographic effect on the surface of the lens.

Voltage	Options	Emergency	CCT	Factory Wiring	Driver Type
~~**347V**~~=~~347 Volt~~ (15) **UNV**=Universal Voltage 120-277 (3) ~~**48V**~~=~~48 Volt Low-voltage (Class 2)~~	**GL**=Single Element Fuse **GM**=Double Element Fuse	**EL7W**=7-watt, 120V-277V emergency battery pack installed (4) **EL14W**=14-watt 120V-277V emergency battery pack installed (4) **ELV7W**=7-watt, DLVP-compatible low voltage emergency battery pack installed (C) **ELV14W**=14-watt DLVP-compatible low voltage emergency battery pack installed (C) **GTR2**=Bodine Generator Transfer Relay (8) **ETRD**=Iota Emergency Transfer Relay with dimming control (8)	**L830**=80CRI, 3000K **L835**=80CRI, 3500K ~~**L840**=80CRI, 4000K~~ **L850**=80CRI, 5000K **L930**=90CRI, 3000K **L935**=90CRI, 3500K **L940**=90CRI, 4000K **L950**=90CRI, 5000K **L83050**=80CRI 3000K-5000K White Tuning (13) **L93050**=90CRI 3000K-5000K White Tuning (13) **L82765**=80CRI 2700K-6500K White Tuning (13) **L92765**=90CRI 2700K-6500K White Tuning (13)	**A3/8-4/18GDIM**=3/8" Flex with 0-10V Dimming Leads Multiple other configurations available. See below for details. **A3/8-5/18GDIM**=Flex with 0-10V Dimming leads and Blue for alternate wiring. See below for details.	**CD**=0-10V Dimming Driver (10%-100% Dimming) **HCD**=0-10V Dimming Driver (1%-100% Dimming) **SR**=Sensor-ready Dimming Driver for LWIPD1 option (1%-100% Dimming) (10), (B) **5LTD**=Fifth Light DALI Driver (10%-100% Dimming) (7), (E) **5LTHD**=Fifth Light Dimming Driver (1%-100% Dimming) (E) **LV1**=DLVP Dimming Driver (0%-100% Dimming) (C) **SD**=Step Dimming Driver (50% or 100% Dimming) (7) **LH**=Lutron HiLume (LDE1 series) 1%-100% EcoSystem Driver with Soft-on Fade to Black dimming (F) **L5**=Lutron 5 Series (LDE5-Series) 5%-100% EcoSystem Driver (F) **W2A**=White Tuning, 2 ch, Intensity and CCT Control (13) **WN**=WaveLinx Wireless Fixture, No Sensor. (A), (G), (H)
Notes (2) Products also available in non-US voltages and frequencies for international markets. (3) Not available when specifying emergencies, voltage must be specific. (15) 347V is not available with the W2A driver.		**Notes** (4) With integral test switch/indicator/ laser test. For approximate delivered lumens multiply the lumens per watt of the desired fixture by the wattage of the emergency battery pack (100 lm/W x 7=700 lumens). IES-format photometry for luminaire under emergency operation available. (8) Used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others). GTR2 option includes 2 relays on fixtures with dimming drivers. ETRD option only requires one relay when used on a dimming fixture. (C) Consult DLVP system pages for additional details and compatibility.	**Notes** (13) White tuning provides correlated color temperatures (CCT) between 3000K (warm) to 5000K (cool) or 2700K (warm) to 6500K (cool). Must be used in conjunction with W2A.	**Flexible Metal Conduit Options** Flex options available for 0-10V dimming control, DALI dimming control, emergency and night light functions. 72-inch factory-installed and pre-wired to driver, fitted to luminaire housing access plate with 90° enclosed FMC connector. Not all options may be combined and installation ratings vary by type. **A3/8-4/18GDIM series notes:** Factory installed dimming option 3/8" flexible metal conduit with 2-#18 power and ground wires and 2-#18 UL-listed jacketed 0-10V +/- control wires. Meets UL 66, 83, 1479, 1569, 1581, 2556. NEC® 250.118, 300.22(C), 392, 396, 330, 501, 502, 503, 530, 504, 505, 518, 520, 530, 645, 72; Federal Specification A-A-59544 (formerly J-C-30B); all applicable OSHA and HUD Requirements. UL Classified 1-, 2-, and 3-hour through penetration with applicable fire stop product (not included). May be surface mounted, fished and/or embedded in plaster. Cable tray and approved raceway rated, install per NEC®; Environmental Air-Handling Space Installation per NEC® 300.22(C).	**Notes** (7) Step Dim (Bi Level) and DALI only available in 3600 lumen and above. (10) SR driver required for LWIPD1 only. See table for actual values. (13) White tuning provides correlated color temperatures (CCT) between 3000K (warm) to 5000K (cool) or 2700K (warm) to 6500K (cool). Must be used in conjunction with W2A. Integrated options must be used in conjunction with the associated system and may not be compatible with other options or accessories. Please refer to the following: (A) Consult WaveLinx system pages for additional details and compatibility. (B) Consult Enlighted system pages for additional details and compatibility. (C) Consult DLVP system pages for additional details and compatibility. (E) Consult Fifth Light system pages for additional details and compatibility. (F) Consult Marketplace Options - Lutron system pages for additional details and compatibility. Compatible only with driver series shown, and may require two or more drivers. Requires field commissioning to operate or dim. Contact Lutron at www.lutron.com. (G) Not compatible with GTR, ETRD, or integrated sensor options. (H) Available with UNV voltage only.

Number of Drivers	Options	Integrated Sensing Systems	Packaging	Accessories
1=1 Driver ~~**2**~~=~~2 Drivers~~	**PAF**=Painted After Fabrication **G1**=Gasket, Door Frame and Housing **G2**=G1 plus Gasket between Lens and Door **G3**=G1 and G2 plus Gasketing on Mounting Surface of Fixture Trims (5), (6)	**SWPD1**=WaveLinx Wireless Integrated Sensor (A) **LWIPD1**=Enlighted Wireless Integrated Sensor (B) **LWTPD1**=Enlighted Wireless Tile-mount Sensor (B) **SLVPD1**=DLVP Low-voltage Integrated Sensor (C) **SVPD1**=0-10V Stand-alone Integrated Sensor (D)	**U**=Unit Pack **PAL**=Job Pack, out of carton **PALC**=Job Pack, in carton	**EQ-CLIP-U**=T-BAR Safety Earthquake Clips (1) **DF-22-W**=2' x 2' Drywall Frame Kit **SK-22-WS**=2' x 2' Shallow Surface Mount Kit **SK-22-WT**=2' x 2' Tall Surface Mount Kit **ISHH-01**=Programming Remote for Integrated Sensor (D) **ISHH-02**=Personal Control Remote for Integrated Sensor (D)
	Notes (5) Gasketing only available with aluminum door frame. (6) Gasketing minimum .125.	**Notes** Integrated options must be used in conjunction with the associated system and may not be compatible with other options or accessories. Please refer to the following: (A) Consult WaveLinx system pages for additional details and compatibility. (B) Consult Enlighted system pages for additional details and compatibility. (C) Consult DLVP system pages for additional details and compatibility. (D) Consult SVPD series system pages for additional details and compatibility.		**Notes** (1) An EQ Grid Clip is recommended for all 9/16" ceiling systems. (D) Consult SVPD series system pages for additional details and compatibility.

Metalux 22GR LED

Product Specifications

Construction
- Rigid housing is die formed of code gauge prime cold rolled steel
- Full length die-formed stiffeners and unibody endplate for added strength
- Innovative design provides superior lens brightness, uniformity and visual comfort
- Unibody endplates are securely attached with interlocking tabs and screws
- Four auxiliary fixture end suspension points provided
- Endplates have integral Grid-lock feature for safety and convenience

Controls
- Standard with 0-10V dimming driver (10% standard, 1% optional)
- WaveLinx wireless fixture for sensor-less wireless control
- Options compatible with Cooper Lighting Solutions' Connected Lighting Systems: WaveLinx sensor, Enlighted sensor, SVPD sensor, DLVP sensor and driver, Fifth Light DALI driver
- Other options include step-dimming and 3rd party drivers

Electrical
- Long-Life LED system to deliver optimal performance. TM21 rating up to L88 >60,000 hours.
- Available in 3000K, 3500K, 4000K or 5000K with a minimum of 80 CRI
- Drivers are cULus recognized and available for 120-277V and 347V applications
- Standard dimming is 0-10V to 10% with 1%, step and Fifth Light DALI dimming options available
- Color Tuning options available with Cooper Lighting Solutions' VividTune

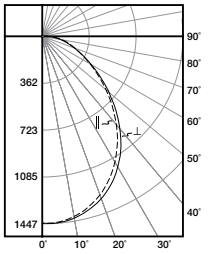
Emergency Battery Pack Option
- Optional 120V-277V integral emergency battery pack available in 7-watts, 14-watts
- 90-minute batteries provide constant power to the LED system
- Test switch/indicator button can be tested safely from the ground using a laser pointer
- Emergency/generator transfer options available

Frame/Optical Shielding
- Die formed, flat steel door with frosted #12 pattern acrylic prismatic lens
- Primary stocking skus come standard with robust .095 lens
- Other options available for maximum versatility

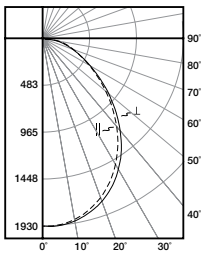
Compliance
- UL recognized components
- Indoor luminaires are cULus listed for 25°C ambient environments
- Suitable for direct insulation contact and are damp location listed
- RoHS compliant
- Tested according to IESNA LM-79 and LM-80 procedures

Photometric Data

View IES files



22GR-LD5-32-F1UNV-L835-CD1-U
Electronic Driver
Linear LED 3500K
Spacing criterion: (II) 1.14 x mounting height, (⊥) 1.18 x mounting height
Lumens: 3268
Input Watts: 29.9W
Efficacy: 109.1 lm/W
Test Report: 22GRLD5-32-F1-UNVL835-CD1-U.IES



22GR-LD5-43-F1UNV-L835-CD1-U
Electronic Driver
Linear LED 3500K
Spacing criterion: (II) 1.14 x mounting height, (⊥) 1.18 x mounting height
Lumens: 4360
Input Watts: 40.1W
Efficacy: 108.7 lm/W
Test Report: 22GR-LD5-43-F1UNV-L835-CD1-U. IES

Energy and Performance Data

Stock or MTO	Catalog Logic (Rectilinear Shielding)	Delivered Lumens	Watts	Efficacy (lm/W)
MTO	22GR-LD5-20-F1-UNV-L835-CD1-U	2068	16.1	128
Stock	22GR-LD5-24-F1-UNV-L835-CD1-U	2459	19.2	128
MTO	22GR-LD5-28-F1-UNV-L835-CD1-U	2898	22.9	126
Stock	22GR-LD5-32-F1-UNV-L835-CD1-U	3268	29.9	109
MTO	22GR-LD5-36-F1-UNV-L835-CD1-U	3642	34.5	105
MTO	22GR-LD5-40-F1-UNV-L835-CD1-U	4098	38.8	106
Stock	22GR-LD5-43-F1-UNV-L835-CD1-U	4360	40.1	109
MTO	22GR-LD5-50-F1-UNV-L835-CD1-U	4929	40.4	122
MTO	22GR-LD5-60-F1-UNV-L835-CD1-U	5931	49.6	120
MTO	22GR-LD5-70-F1-UNV-L835-CD1-U	6991	64.2	109
MTO	22GR-LD5-85-F1-UNV-L835-CD1-U	8554	81.1	106
MTO	22GR-LD5-90-F1-UNV-L835-CD1-U	8991	86.0	105

Lens Table

Approximate Lumen Multiplier	
F1	1.0
F125	1.0
A125	1.01
A	1.01
A19/156	.975
FGW080	.85

CCT Table

Approximate Color Temperature Multiplier	
5000K	1.016
4000K	1.016
3500K	1.0
3000K	.982
2700K	.930

Shipping Data

Catalog No.	Wt.	Pallet
22GR-LD5-32	10 lbs.	56

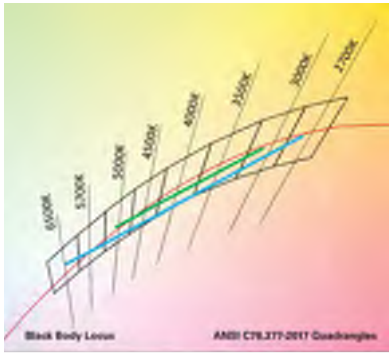
Control Systems
- WaveLinx
- DLVP
- Enlighted
- iLumin Plus
- VividTune

Connected Systems CLICK HERE

VividTune™
color tuning solutions

22GR LED with VividTune Tunable White

VividTune tunable white luminaires from Cooper Lighting Solutions deliver high-quality light in a broad range of continuously variable color temperatures and intensities. Create a dynamic environment by adjusting the ambient light warmer or cooler to influence mood, support the task at hand, or create a dramatic ambience. The ability to control correlated color temperature and intensity separately using simple controls is the next evolution of LED lighting for the commercial, educational, healthcare and hospitality space. The unparalleled flexibility and number of available lighting environments enable users to find the right light with tunable white.



3000K - 5000K
2700K - 6500K

Performance Data*

Tunable White - Lumen Adjustment Factors (example only)

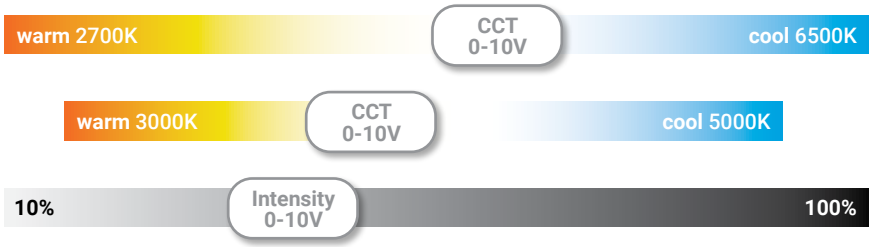
CCT	3000K-5000K		2700K-6500K	
	80 CRI	90 CRI	80 CRI	90 CRI
2700K	-	-	0.905	0.773
3000K	0.932	0.767	0.931	0.804
3500K	0.986	0.838	0.964	0.844
4000K	1.036	0.905	0.984	0.871
4500K	1.045	0.921	1.002	0.894
5000K	1.045	0.921	1.016	0.911
6500K	-	-	1.031	0.936

2' x 2' GRLED - Example of Approximate Lumen Calculation

CCT Setting	Standard Catalog #	VividTune 80 CRI Catalog #	VividTune 90 CRI Catalog #
	22GR-LD5-32-F1-UNV-L835-CD1-U	22GR-LD5-32-F1-UNV-L83050-W2A1-U	22GR-LD5-32-F1-UNV-L93050-W2A1-U
3000K	-	3046	2507
3500K	3268	3223	2740
4000K	-	3384	2959
4500K	-	3416	3010
5000K	-	3416	3010

Controlling VividTune Tunable White

VividTune luminaires make tunable white more accessible by using simple and familiar controls. From wall dimmers to wireless controls, VividTune tunable white luminaires are compatible with industry standard 0-10V dimming controls. A single 0-10V dimming input is used to control intensity (brightness) while a second 0-10V dimming input is used to adjust CCT. For suggested control configurations, go to www.cooperlighting.com for tunable white application guides.



Example of Lumen Adjustment Calculation

22GR-LD5-32-F1-UNV-L83050-W2A1-U at 80 CRI tuned to 3500K

Adjusted Lumen = published lm x adjusted lm factor

Adjusted Lumen = 3268 x 0.986

Adjusted Lumen = 3223 lm

** Lumen adjustment factors are for reference and may be different for each product selected. Refer to IES files for actual performance data on each.*

Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

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Specifications and dimensions subject to change without notice.

Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALB-006-SI

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Recessed Troffer Fixture
Item Type	Recessed Box
Description	2x2 Recessed Troffer
Manufacturer	Signify/Day-Brite
Model	2TG 45L 835-2-FS-02F-UNV-DIM
Dimensions	24"L x 24"W x 3"H
CSI #	26 51 00 Interior Lighting
Omniclass #	22-265100 Interior Lighting
Dimming Type	0-10V
Trim	White
Mount	Recesed ACT
On Dimming System	No
Lens/Shade	Acrylic Prismatic Frosted Lens
Fixture Input (Max. Watts)	51.5W
Lamp Type	LED-I
Lamp Kelvin	3500K
Voltage	120-277V
Delivered Lumens (LED) or Mean Lumens (Non-LED)	4551
Lamp CRI	80+
Finish	White
Warranty	5 Years
Notes	Efficacy: 88.3; Lamp Life/Fixture Life: 50,000 hrs

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

ALTERNATE MANUFACTURER 2

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 3

AREAS

Engineering & Maintenance
Food & Beverage Back-of-House

ALTERNATE MANUFACTURER 4	

Day-Brite CFI by Signify

Recessed

T-Grid LED troffer 2x2

2000, 3000, 3800 or 4500 lumens

Project:

Location:

Cat.No:

Type:

Lamps: Qty:

Notes:

Day-Brite / CFI T-Grid LED troffer is an energy efficient low profile luminaire offering excellent performance for general lighting applications such as offices, schools, healthcare, or retail. Featuring a frosted prismatic lens to enhance visual comfort, the T-Grid LED Troffer utilizes highly reliable and efficient Philips LED platform boards and dimmable driver, enabling market leading efficiency in its category.

Ordering guide

Example: 2TG30L840-2-FS-02F-UNV-DIM

Width	Family	Ceiling Type	Lumen Package	Color Temp.	Length	Door Frame	Lens	Voltage	Driver	Options
2	T	G	45L	835	– 2	– FS	– 02F	– UNV	– DIM	
2 2'	**T** T-Grid LED troffer	**G** Grid	**20L** 2000 nominal delivered lumens **30L** 3000 nominal delivered lumens **38L** 3800 nominal delivered lumens **45L** 4500 nominal delivered lumens	**830** 80 CRI, 3000K **835** 80 CRI, 3500K **840** 80 CRI, 4000K **850** 80 CRI, 5000K	**2** 2'	**FS** Flat Steel **FA** Flat Aluminum **RA** Regressed Aluminum	**02F** Pattern 12, .100" nominal diffuse 50% **12F** DB 12 .125" nominal diffuse 50% **19F** DB 19 .156" nominal diffuse 50%	**UNV** Universal Voltage 120-277V **347** 347V	**DIM** 0-10V dimming **SDIM** Step dimming to 40% input power	**F1** 3/8" flex, 3 wire, 18 gauge 6' **F2** 3/8" flex, 4 wire, 18 gauge 6' **F1/D** 3/8" twin flex, 3 wire, 18 gauge 6', for dimmable luminaires **F2/5W** 3/8" single flex, 5 wire, 18 gauge 6', for dimmable luminaires **EMLED**[1] Integral emergency battery pack **1W** 1-way gasket between lens & door frame (not avail. for RA door frame) **2W** 1-way & gasket between door frame & housing **3W** 2-way & gasket betweem housing & ceiling (field installed) **GLR** Fusing, fast blow **CHIC** Chicago Plenum rated **DSC** Quick driver disconnect

Footnotes

1 Emergency pack mounted in enclosure on top of fixture housing. Delivers 1100 nominal lumens in DC mode.

Accessories (order separately)

- **FMA22** – 2'x2' "F" mounting frame for NEMA "F" mounting
- **FKTG822** – Flange conversion kit, 2'x2'

2TG T-Grid LED troffer 2x2

2000, 3000, 3800 or 4500 lumens

Application

- High efficacy long life solid state lighting platform.
- General lighting distribution is excellent for ambient lighting.
- High CRI source provides excellent color rendering.
- LEDs are an excellent source for use with controls since frequent switching does not affect the life of the light source.

Construction/finish

- A quality low-profile troffer with specification features for NEMA “G” grid, NEMA “NFG” narrow face grid, NEMA “GR” grid regressed, or NEMA “F” flange ceiling types.
- 3" nominal housing depth, 3-3/16" maximum depth.
- Smooth rolled edges on all four sides for easy handling.
- Die-formed one piece housing includes stiffening embosses and provides increased rigidity.
- Housing is multi-stage phosphate treated for maximum corrosion
resistance and finish coat is high reflectance baked white enamel.
- Integral baffling system to prevent light leaks.
- 2 sets of integral grid clips (wraparound and fold-out) for maximum mounting flexibility.
- Integral wire hanger holes for independent wire suspension.
- Embosses with holes provided in housing end for screwing to T-bar if desired.
- 7/8" K.O.’s provided in each end cap for through wiring.
- Factory installed access plate in housing top includes 7/8" hole with rolled edge and 7/8" K.O.
- Carton includes integral carrying handle for easy handling.

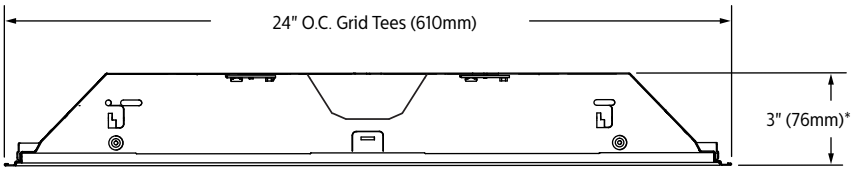
Electrical

- Standard 0–10V dimming.
- Driver and LED boards are accessible from below. LED boards are individually replaceable if required.
- Five-year luminaire limited warranty including LED boards and driver. Visit www.philips.com/warranties for complete warranty information.
- High efficiency LEDs have 50,000 hour rated life (defined by testing at 70% lumen maintenance (L70)), based on 25˚C ambient operating temperature.
- cETLus listed to UL and CSA standards, suitable for damp location.
- T-Grid LED luminaires are DesignLights Consortium® qualified. Please see the DLC QPL list for exact catalog numbers (http://www.designlights.org/QPL).
- Many luminaire components, such as reflectors, refractors, lenses, sockets, lampholders, and LEDs are made from various types of plastics which can be adversely affected by airborne contaminants. If sulfur based chemicals, petroleum based products, cleaning solutions, or other contaminants are expected in the intended area of use, consult factory for compatibility.

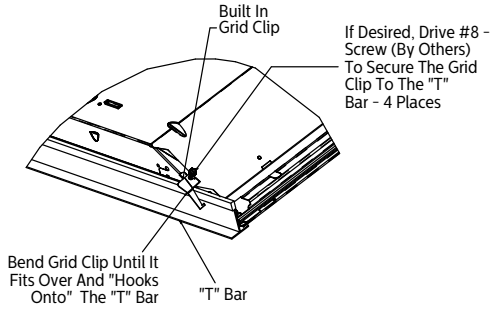
Enclosure

- Full “C” channel door frames for improved lens support and reduced shipping damage.
- Flat steel door frame features smooth rolled edges inside and outside.
- All door frames have mitered corners.
- All door frames use T-hinges and can be hinged and latched from either side.
- Opposable spring loaded latches are standard for easy operation and consistent retention.

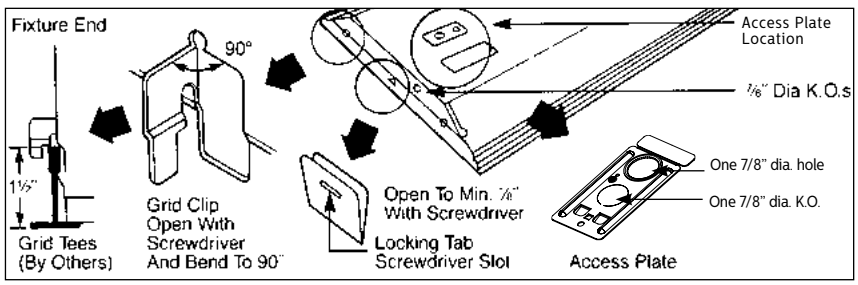
Dimensions



*EMLED option adds 1-3/4" to overall height



Wraparound Grid Clips



Fold-Out Grid Clips

2TG T-Grid LED troffer 2x2

2000, 3000, 3800 or 4500 lumens

Photometry

2x2 T-Grid LED troffer, 2000 nominal delivered lumens — LER – 99

Catalog No.	2TG20L840-2-FS-02F-UNV
Test No.	32630
S/MH	1.2
Source	LED
Lumens/Lamp	2287
Input Watts	23

Comparative yearly lighting energy cost per 1000 lumens – **$2.42** based on 3000 hrs. and $.08 pwr KWH. Actual rates and usage may vary.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Candlepower

Angle	End	45	Cross
0	983	983	983
5	978	978	979
15	933	935	937
25	844	849	856
35	703	709	709
45	526	532	549
55	344	345	359
65	202	195	211
75	112	109	127
85	42	42	49

Light Distribution

Degrees	Lumens	% Luminaire
0-30	747	32.7
0-40	1191	52.1
0-60	1915	83.7
0-90	2287	100.0

Average Luminance

Angle	End	45°	Cross
45	2442	2472	2551
55	1968	1977	2058
65	1572	1518	1644
75	1427	1384	1618
85	1570	1597	1831

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	118	118	118	115	115	115	111	111
1	109	105	101	107	103	98	97	94
2	100	93	85	97	91	84	86	81
3	92	81	75	90	81	73	78	71
4	84	72	65	82	71	64	69	63
5	78	66	57	76	65	56	63	56
6	72	59	51	70	58	51	56	50
7	68	55	46	66	54	46	52	45
8	63	50	41	61	48	41	47	40
9	58	46	38	57	46	38	44	38
10	55	42	34	54	41	34	40	34

2x2 T-Grid LED troffer, 3000 nominal delivered lumens — LER – 92

Catalog No.	2TG30L840-2-FS-02F-UNV
Test No.	32628
S/MH	1.2
Source	LED
Lumens/Lamp	2994
Input Watts	32.7

Comparative yearly lighting energy cost per 1000 lumens – **$2.61** based on 3000 hrs. and $.08 pwr KWH. Actual rates and usage may vary.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Candlepower

Angle	End	45	Cross
0	1285	1285	1285
5	1279	1279	1281
15	1220	1223	1228
25	1104	1110	1122
35	921	926	947
45	689	696	719
55	449	452	470
65	264	256	277
75	147	142	167
85	55	56	64

Light Distribution

Degrees	Lumens	% Luminaire
0-30	977	32.7
0-40	1558	52.0
0-60	2506	83.7
0-90	2994	100.0

Average Luminance

Angle	End	45°	Cross
45	3201	3234	3342
55	2575	2589	2694
65	2052	1992	2153
75	1865	1803	2124
85	2063	2092	2395

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	118	118	118	115	115	115	111	111
1	109	105	101	107	103	98	97	94
2	100	93	85	97	91	84	86	81
3	92	81	73	90	81	72	78	71
4	84	72	65	82	71	64	69	63
5	78	66	57	76	65	56	63	56
6	72	59	51	70	58	51	56	50
7	68	55	46	66	54	46	52	45
8	63	50	41	61	48	41	47	40
9	58	46	38	57	46	38	44	36
10	55	41	34	54	41	34	40	34

2TG T-Grid LED troffer 2x2

2000, 3000, 3800 or 4500 lumens

Photometry

2x2 T-Grid LED troffer, 3800 nominal delivered lumens — LER – 85

Catalog No.	2TG38L840-2-FS-02F-UNV
Test No.	32631
S/MH	1.2
Source	LED
Lumens/Lamp	3693
Input Watts	43.5

Comparative yearly lighting energy cost per 1000 lumens – **$2.82** based on 3000 hrs. and $.08 pwr KWH. Actual rates and usage may vary.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Candlepower

Angle	End	45	Cross
0	1586	1586	1586
5	1578	1578	1580
15	1505	1509	1514
25	1362	1369	1384
35	1136	1143	1169
45	848	859	889
55	555	557	581
65	326	316	342
75	181	175	207
85	68	69	78

Light Distribution

Degrees	Lumens	% Luminaire
0-30	1206	32.7
0-40	1922	52.0
0-60	3091	83.7
0-90	3693	100.0

Average Luminance

Angle	End	45°	Cross
45	3942	3990	4130
55	3177	3193	3330
65	2534	2456	2660
75	2301	2219	2625
85	2545	2588	2951

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	118	118	118	115	115	115	111	111
1	109	105	101	107	103	98	97	94
2	100	93	85	97	91	84	86	81
3	92	81	75	90	81	73	78	71
4	84	72	65	82	71	64	69	63
5	78	66	57	76	65	56	63	56
6	72	59	51	70	58	51	56	50
7	68	55	46	66	54	46	52	45
8	63	50	41	61	48	41	47	40
9	58	46	38	57	46	38	44	38
10	55	42	34	54	41	34	40	34

2x2 T-Grid LED troffer, 4500 nominal delivered lumens — LER – 88

Catalog No.	2TG45L840-2-FS-02F-UNV
Test No.	32395
S/MH	1.2
Source	LED
Lumens/Lamp	4551
Input Watts	51.5

Comparative yearly lighting energy cost per 1000 lumens – **$2.79** based on 3000 hrs. and $.08 pwr KWH. Actual rates and usage may vary.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Candlepower

Angle	End	45	Cross
0	1968	1968	1968
5	1958	1957	1960
15	1864	1867	1873
25	1677	1687	1702
35	1392	1401	1428
45	1044	1052	1083
55	691	690	720
65	412	400	428
75	226	220	250
85	81	81	92

Light Distribution

Degrees	Lumens	% Luminaire
0-30	1489	32.7
0-40	2366	52.0
0-60	3805	83.6
0-90	4550	100.0

Average Luminance

Angle	End	45°	Cross
45	4852	4887	5031
55	3959	3952	4127
65	3202	3111	3327
75	2872	2789	3167
85	3038	3066	3468

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	119	119	119	116	116	116	111	111
1	109	105	101	107	103	99	98	95
2	100	93	86	98	91	85	87	82
3	92	82	74	90	81	74	78	72
4	85	73	65	83	72	64	70	63
5	78	66	58	76	65	57	63	56
6	73	60	51	71	59	51	57	50
7	68	55	46	66	54	46	52	45
8	63	50	42	62	49	42	48	41
9	59	46	38	58	46	38	44	38
10	55	43	35	54	42	35	41	34

Signify

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Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALB-007-CL

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Recessed Box Fixture
Item Type	Linear Box Light Fixture
Description	2x4 Recessed Troffer
Manufacturer	Cooper/Metalux
Model	24GR-LD5-48-F1-UNV-L835-CD1-U
Dimensions	47 3/4"L x 23 3/4"W x 1 1/4"H
Finish	White
CSI #	265100 - Interior Lighting
Dimming Type	0 - 10V
Trim	White
Reflector	N/A
Mount	Recessed ACT
On Dimming System	No
Lens/Shade	Acrylic Prismatic Frosted Lens
Fixture Input (Max. Watts)	34.9
Lamp Type	LED
Lamp Kelvin	3500K
Voltage	120 / 277
Delivered Lumens (LED) or Mean Lumens (Non-LED)	4799
Lamp CRI	85+
Finish	White
Lead Time	In stock to 4 weeks
Warranty	5 years
Notes	Rated life: 60,000 hours

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 2

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

AREAS

Mechanical, Plumbing & Electrical

ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Project		**Catalog #**	24GR-LD5-48-F1-UNV-L835-CD1-U	**Type**	
Prepared by	Kathleen Kenny National Accounts	**Notes**	Ph/Cell: 678-447-5208 Kathleen.kenny@cooperlighting.com	**Date**	August 2020

Metalux

24GR LED

2' x 4' LED Troffer
General Recessed LED Troffer
For Use in Insulated Ceilings

Typical Applications
• Office • Schools • Residential • Hospitals
• Retail Merchandising Areas

Interactive Menu

- Order Information page 2
- Photometric Data page 3
- Control Systems page 3
- VividTune™ Color Tuning Solutions page 4
- Product Warranty

Product Certification

Product Features

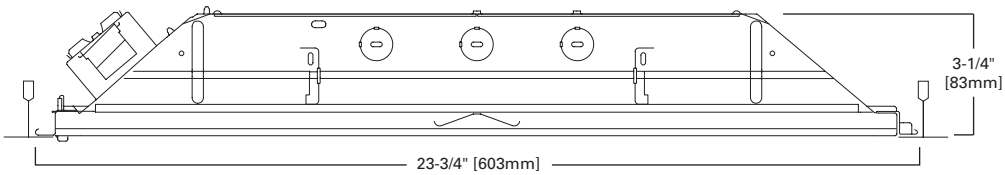
Connected Systems
VividTune color tuning solutions
MWS MODULAR WIRING SYSTEM CLICK HERE
Rapid Response CLICK HERE
LINEAR DISCONNECT Safe and convenient means of disconnecting power

Top Product Features

- Available in 2' x 4', 2' x 2' and 1' x 4'
- Multiple lumen packages up to 18,000 in 2x4 and 9,000 in 2x2
- Up to 140 lm/W for maximum energy savings versus fluorescent troffers
- Correlated Color Temperatures 3000K, 3500K, 4000K and 5000K at 80 and 90 CRI
- Standard 0-10V continuous dimming driver

ALB-007

Dimensional and Mounting Details



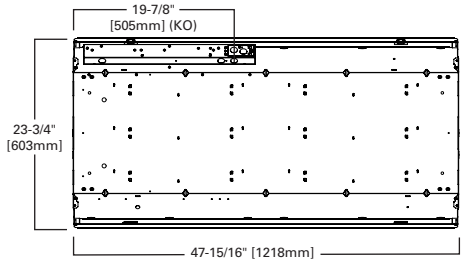
Door Frames

GR
Flat, White Steel Aluminum

GRFA
Flat, Extruded White Aluminum

GRRA
Deep, Regressed, Extruded Natural

Mounting Data



Ceiling Compatibility

G
Grid/Lay-in Standard

G
Concealed T

G
Slot Grid

Ceiling Type	Trim Type
Exposed Grid	G
Concealed T	G
Slot Grid	G

(Verify compatibility/ consult factory.)

Metalux 24GR LED

Order Information

SAMPLE ORDER NUMBER: **24GR-LD5-48-F1-UNV-L835-CD1-U**

Rating	Width / Length	Trim Type	Series	Door Frame	LED Type	LED Lumen Output	Shielding
[Blank]=Standard **ATW-SW4**=Chicago Rated	**24**=2' x 4'	**G**=Grid/Lay-in (Standard) (1) **G**=Concealed T **G**=Slot Grid	**R**=General Purpose Troffer	**Standard**=Flat White Steel Door (Leave Blank) **FA**=Flush White Extruded Aluminum c/w Spring Latch **RA**=Regressed White Extruded Aluminum **FAN**=Flush Natural Anodized Extruded Aluminum **RAN**=Regressed Natural Anodized Extruded Aluminum **FAB**=Flush Black Extruded Aluminum **RAB**=Regressed Black Extruded Aluminum **A/WG**=Prismatic Acrylic Lens, Wireguard & Doorframe **F1/WG**=Frosted Prismatic Acrylic Lens, Wireguard & Doorframe	**LD5**=LED 5.0	**30**=3000 **34**=3400 **38**=3800 **42**=4200 **48**=4800 **56**=5600 **64**=6400 **72**=7200 (20) **85**=8500 (18), (20) **90**=9000 (16), (20) **100**=10000 (16), (20) **120**=12000 (16), (20) **130**=13000 (16), (20) **150**=15000 (16), (20) **180**=18000 (16), (20)	**F1**=A12 .095 HP (Standard) **F125**=A12 .125 HP **A**=A12 .095 **A125**=A12 .125 **A19/156**=#19 Pattern Acrylic (.156" Thick) (15) **FGW080**=Frosted Glazed Lens .080
		Notes (1) An EQ Grid Clip is recommended for all 9/16" ceiling systems.	**Notes** (13) DesignLights Consortium® Qualified and classified for DLC Standard, refer to www.designlights.org for details.			**Notes** (11) Nominal lumen output. See table for actual values. (16) White tuning not available with this model. (18) The maximum lumens on this version with VividTune option will be 8300, see IES files for actual performance values. (20) Not compatible with WN driver.	**Notes** (15) A19/156 lens creates holographic effect on the surface of the lens.

Voltage	Options	Emergency	CCT	Factory Wiring	Driver Type
347V=347 Volt (19) **UNV**=Universal Voltage 120-277 (3) **48V**=48 Volt Low-voltage (Class 2)	**GL**=Single Element Fuse **GM**=Double Element Fuse	**EL7W**=7-watt, 120V-277V emergency battery pack installed (4) **EL14W**=14-watt 120V-277V emergency battery pack installed (4) **ELV7W**=7-watt, DLVP-compatible low voltage emergency battery pack installed (C) **ELV14W**=14-watt DLVP-compatible low voltage emergency battery pack installed (C) **GTR2**=Bodine Generator Transfer Relay (10) **ETRD**=Iota Emergency Transfer Relay with dimming control (10)	**L830**=3000K **L835**=3500K **L840**=4000K **L850**=5000K **L83050**=80CRI 3000K-5000K White Tuning (17) **L93050**=90CRI 3000K-5000K White Tuning (17) **L82765**=80CRI 2700K-6500K White Tuning (17) **L92765**=90CRI 2700K-6500K White Tuning (17)	**A3/8-4/18GDIM**=3/8" Flex with 0-10V Dimming Leads Multiple other configurations available. See below for details. **A3/8-5/18GDIM**=Flex with 0-10V Dimming leads and Blue for alternate wiring. See below for details.	**CD**=0-10V Dimming Driver (10%-100% Dimming) (9) **HCD**=0-10V Dimming Driver (1%-100% Dimming) (9) **SR**=Sensor-ready Dimming Driver for LWIPD1 option (1%-100% Dimming) (12), (B) **5LTD**=Fifth Light DALI Driver (10%-100% Dimming) (8), (E) **5LTHD**=Fifth Light Dimming Driver (1%-100% Dimming) (E) **LV1**=DLVP Dimming Driver (0%-100% Dimming) (C) **SD**=Step Dimming Driver (50% or 100% Dimming) (7) **LH**=Lutron HiLume (LDE1 series) 1%-100% EcoSystem Driver with Soft-on Fade to Black dimming (F) **L5**=Lutron 5 Series (LDE5-Series) 5%-100% EcoSystem Driver (F) **W2A**=White Tuning, 2 ch, Intensity and CCT Control (17) **WN**=WaveLinx Wireless Fixture, No Sensor. (A), (G), (H)
Notes (2) Products also available in non-US voltages and frequencies for international markets. (3) Not available when specifying emergencies, voltage must be specific. (19) 347V is not available with the W2A driver.		**Notes** (4) With integral test switch/indicator/laser test. For approximate delivered lumens multiply the lumens per watt of the desired fixture by the wattage of the emergency battery pack (100 lm/W x 7=700 lumens). IES-format photometry for luminaire under emergency operation available. (10) Used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others). GTR2 option includes 2 relays on fixtures with dimming drivers. ETRD option only requires one relay when used on a dimming fixture. (C) Consult DLVP system pages for additional details and compatibility.	**Notes** (17) White tuning provides correlated color temperatures (CCT) between 3000K (warm) to 5000K (cool) or 2700K (warm) to 6500K (cool). Must be used in conjunction with W2A.	**Flexible Metal Conduit Options** Flex options available for 0-10V dimming control, DALI dimming control, emergency and night light functions. 72-inch factory-installed and pre-wired to driver, fitted to luminaire housing access plate with 90° enclosed FMC connector. Not all options may be combined and installation ratings vary by type. **A3/8-4/18GDIM series notes:** Factory installed dimming option 3/8" flexible metal conduit with 2-#18 power and ground wires and 2-#18 UL-listed jacketed 0-10V +/- control wires. Meets UL 66, 83, 1479, 1569, 1581, 2556. NEC® 250.118, 300.22(C), 392, 396, 330, 501, 502, 503, 530, 504, 505, 518, 520, 530, 645, 72; Federal Specification A-A-59544 (formerly J-C-30B); all applicable OSHA and HUD Requirements. UL Classified 1-, 2-, and 3-hour through penetration with applicable fire stop product (not included). May be surface mounted, fished and/or embedded in plaster. Cable tray and approved raceway rated, install per NEC®; Environmental Air-Handling Space Installation per NEC® 300.22(C).	**Notes** (7) Step dimming (bi-level) 1 driver, 4200 - 10000, 2 driver, 12000 and up lumen model. (12) SR driver required for LWIPD1 only. PDR required for 120 lumens and up. (17) White tuning provides correlated color temperatures (CCT) between 3000K (warm) to 5000K (cool) or 2700K (warm) to 6500K (cool). Must be used in conjunction with W2A. Integrated options must be used in conjunction with the associated system and may not be compatible with other options or accessories. Please refer to the following: (A) Consult WaveLinx system pages for additional details and compatibility. (B) Consult Enlighted system pages for additional details and compatibility. (C) Consult DLVP system pages for additional details and compatibility. (E) Consult Fifth Light system pages for additional details and compatibility. (F) Consult Marketplace Options - Lutron system pages for additional details and compatibility. Compatible only with driver series shown, and may require two or more drivers. Requires field commissioning to operate or dim. Contact Lutron at www.lutron.com. (G) Not compatible with GTR, ETRD, or integrated sensor options. (H) Available with UNV voltage only.

Number of Drivers	Options	Integrated Sensing Systems	Packaging	Accessories
1=1 Driver **2**=2 Drivers	**PAF**=Painted After Fabrication **G1**=Gasket, Door Frame and Housing **G2**=G1 plus Gasket between Lens and Door **G3**=G1 and G2 plus Gasketing on Mounting Surface of Fixture Trims (5), (6) **XFMR**=Transformer (14)	**SWPD1**=WaveLinx Wireless Integrated Sensor (A) **LWIPD1**=Enlighted Wireless Integrated Sensor (B) **LWTPD1**=Enlighted Wireless Tile-mount Sensor (B) **SLVPD1**=DLVP Low-voltage Integrated Sensor (C) **SVPD1**=0-10V Stand-alone Integrated Sensor (D)	**U**=Unit Pack **PAL**=Job Pack, out of carton **PALC**=Job Pack, in carton	**EQ-CLIP-U**=T-BAR Safety Earthquake Clips (1) **DF-24-W**=2' x 4' Drywall Frame Kit **SK-24-WS**=2' x 4' Shallow Surface Mount Kit **SK-24-WT**=2' x 4' Tall Surface Mount Kit **ISHH-01**=Programming Remote for Integrated Sensor (D) **ISHH-02**=Personal Control Remote for Integrated Sensor (D)
	Notes (5)Gasketing only available with aluminum door frame. (6)Gasketing minimum .125. (14) XMFR required for 15000 lumens and up.	**Notes** Integrated options must be used in conjunction with the associated system and may not be compatible with other options or accessories. Please refer to the following: (A) Consult WaveLinx system pages for additional details and compatibility. (B) Consult Enlighted system pages for additional details and compatibility. (C) Consult DLVP system pages for additional details and compatibility. (D) Consult SVPD series system pages for additional details and compatibility.		**Notes** (1) An EQ Grid Clip is recommended for all 9/16" ceiling systems. (D) Consult SVPD series system pages for additional details and compatibility.

Metalux 24GR LED

Product Specifications

Construction
- Rigid housing is die formed of code gauge prime cold rolled steel
- Full length die-formed stiffeners and unibody endplate for added strength
- Innovative design provides superior lens brightness, uniformity and visual comfort
- Unibody endplates are securely attached with interlocking tabs and screws
- Four auxiliary fixture end suspension points provided
- Endplates have integral Grid-lock feature for safety and convenience

Controls
- Standard with 0-10V dimming driver (10% standard, 1% optional)
- WaveLinx wireless fixture for sensor-less wireless control
- Options compatible with Cooper Lighting Solutions' Connected Lighting Systems: WaveLinx sensor, Enlighted sensor, SVPD sensor, DLVP sensor and driver, Fifth Light DALI driver
- Other options include step-dimming and 3rd party drivers

Electrical
- Long-Life LED system to deliver optimal performance. TM21 rating up to L89 >60,000 hours.
- Available in 3000K, 3500K, 4000K or 5000K with a minimum of 80 CRI
- Drivers are cULus recognized and available for 120-277V and 347V applications
- Standard dimming is 0-10V to 10% with 1%, step and Fifth Light DALI dimming options available
- Color Tuning options available with Cooper Lighting Solutions' VividTune

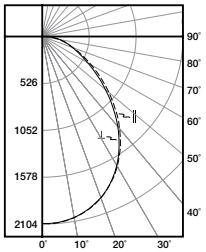
Emergency Battery Pack Option
- Optional 120V-277V integral emergency battery pack available in 7-watts, 14-watts
- 90-minute batteries provide constant power to the LED system
- Test switch/indicator button can be tested safely from the ground using a laser pointer
- Emergency/generator transfer options available

Frame/Optical Shielding
- Die formed, flat steel door with frosted #12 pattern acrylic prismatic lens
- Primary stocking skus come standard with robust .095 lens
- Other options available for maximum versatility

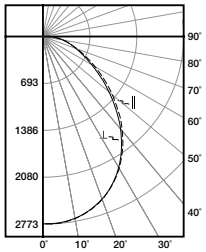
Compliance
- UL recognized components
- Indoor luminaires are cULus listed for 25ºC ambient environments
- Suitable for direct insulation contact and are damp location listed
- RoHS compliant
- Tested according to IESNA LM-79 and LM-80 procedures

Photometric Data

View IES files



24GR-LD5-48-F1UNV-L835-CD1-U
Electronic Driver
Linear LED 3500K
Spacing criterion: (II) 1.19 x mounting height, (⊥) 1.18 x mounting height
Lumens: 4821
Input Watts: 37W
Efficacy: 128.6 lm/W
Test Report: 24GRLD5-48-F1-UNVL835-CD1-U.IES



24GR-LD5-64-F1UNV-L835-CD1-U
Electronic Driver
Linear LED 3500K
Spacing criterion: (II) 1.19 x mounting height, (⊥) 1.18 x mounting height
Lumens: 6462
Input Watts: 48W
Efficacy: 134.2 lm/W
Test Report: 24GRLD5-64-F1-UNVL835-CD1-U.IES

Energy and Performance Data

Stock or MTO*	Catalog Logic	Delivered Lumens	Watts	Efficacy (lm/W)
MTO	24GR-LD5-30-F1-UNV-L835-CD1-U	3074	23.4	131
MTO	24GR-LD5-34-F1-UNV-L835-CD1-U	3459	26.7	129
Stock	24GR-LD5-38-F1-UNV-L835-CD1-U	3880	30.6	127
MTO	24GR-LD5-42-F1-UNV-L835-CD1-U	4294	34.6	124
Stock	24GR-LD5-48-F1-UNV-L835-CD1-U	4821	37.4	129
MTO	24GR-LD5-56-F1-UNV-L835-CD1-U	5618	45.1	124
Stock	24GR-LD5-64-F1-UNV-L835-CD1-U	6462	48.1	134
MTO	24GR-LD5-72-F1-UNV-L835-CD1-U	7257	56.0	129
MTO	24GR-LD5-85-F1-UNV-L835-CD1-U	8567	70.3	122
MTO	24GR-LD5-90-F1-UNV-L835-CD1-U	9092	69.1	132
MTO	24GR-LD5-100-F1-UNV-L835-CD2-U	10030	71.7	140
MTO	24GR-LD5-120-F1-UNV-L835-CD2-U	12260	90.1	136
MTO	24GR-LD5-130-F1-UNV-L835-CD2-U	13290	90.2	134
MTO	24GR-LD5-150-F1-UNV-L835-CD2-U	15340	120.3	128
MTO	24GR-LD5-180-F1-UNV-L835-CD2-U	18050	144.2	125

*Stocked in 3500K and 4000K others are MTO.

Lens Table

Approximate Lumen Multiplier	
F1	1.0
F125	1.0
A125	1.01
A	1.01
A19/156	.975
FGW080	.85

CCT Table

Approximate Color Temperature Multiplier	
5000K	1.016
4000K	1.016
3500K	1.0
3000K	.982
2700K	.930

Shipping Data

Catalog No.	Wt.	Pallet
24GR-LD5-48	20 lbs.	28

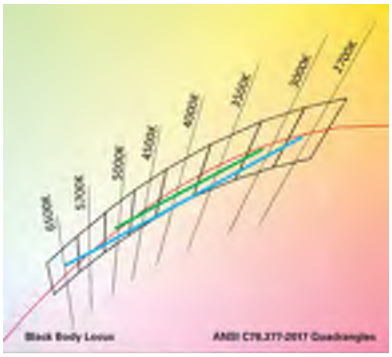
Control Systems
- WaveLinx
- DLVP
- Enlighted
- iLumin Plus
- VividTune

Connected Systems CLICK HERE

VividTune color tuning solutions

24GR LED with VividTune Tunable White

VividTune tunable white luminaires from Cooper Lighting Solutions deliver high-quality light in a broad range of continuously variable color temperatures and intensities. Create a dynamic environment by adjusting the ambient light warmer or cooler to influence mood, support the task at hand, or create a dramatic ambience. The ability to control correlated color temperature and intensity separately using simple controls is the next evolution of LED lighting for the commercial, educational, healthcare and hospitality space. The unparalleled flexibility and number of available lighting environments enable users to find the right light with tunable white.



3000K - 5000K
2700K - 6500K

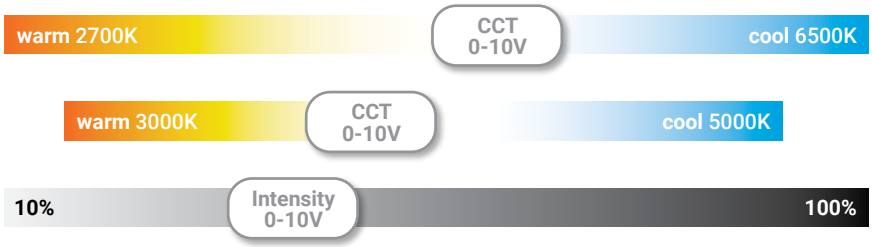
Performance Data*

Tunable White - Lumen Adjustment Factors (example only)				
CCT	3000K-5000K		2700K-6500K	
	80 CRI	90 CRI	80 CRI	90 CRI
2700K	-	-	0.923	0.789
3000K	0.950	0.783	0.949	0.820
3500K	1.006	0.855	0.983	0.861
4000K	1.056	0.923	1.004	0.888
4500K	1.066	0.939	1.022	0.911
5000K	1.066	0.939	1.036	0.929
6500K	-	-	1.051	0.955

2' x 4' GRLED - Example of Approximate Lumen Calculation			
	Standard Catalog #	VividTune 80 CRI Catalog #	VividTune 90 CRI Catalog #
CCT Setting	24GR-LD5-48-F1-UNV-L835-CD1-U	24GR-LD5-48-F1-UNV-L83050-W2A1-U	24GR-LD5-48-F1-UNV-L93050-W2A1-U
3000K	-	4582	3773
3500K	4821	4849	4122
4000K	-	5091	4451
4500K	-	5140	4529
5000K	-	5140	4529

Controlling VividTune Tunable White

VividTune luminaires make tunable white more accessible by using simple and familiar controls. From wall dimmers to wireless controls, VividTune tunable white luminaires are compatible with industry standard 0-10V dimming controls. A single 0-10V dimming input is used to control intensity (brightness) while a second 0-10V dimming input is used to adjust CCT. For suggested control configurations, go to www.cooperlighting.com for tunable white application guides.



Example of Lumen Adjustment Calculation

24GR-LD5-48-F1-UNV-L83050-W2A1-U at 80 CRI tuned to 3500K

Adjusted Lumen = published lm x adjusted lm factor

Adjusted Lumen = 4821 x 1.006

Adjusted Lumen = 4849 lm

** Lumen adjustment factors are for reference and may be different for each product selected. Refer to IES files for actual performance data on each.*

Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

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Specifications and dimensions subject to change without notice.

Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALB-007-SI

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Recessed Troffer Fixture
Item Type	Recessed Box
Description	2x4 Recessed Lensed Troffer with A12 Shielding
Manufacturer	Signify/Day-Brite
Model	2TG 52L 835 4 FS 02 F UNV DIM
Dimensions	24"L x 48"W x 3"H
CSI #	265100 - Interior Lighting
Omniclass #	22-265100 - Interior Lighting
Dimming Type	0-10V
Trim	White
Reflector	White
Mount	Recessed ACT
On Dimming System	No
Lens/Shade	Acrylic Prismatic Frosted Lens
Fixture Input (Max. Watts)	49.3
Lamp Type	LED-I
Lamp Kelvin	3500K
Voltage	120-277V
Delivered Lumens (LED) or Mean Lumens (Non-LED)	5179
Lamp CRI	80
Finish	White
Warranty	5 Years
Notes	Efficacy: 105; Lamp Life/Fixture Life: 50,000 hrs

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

ALTERNATE MANUFACTURER 2

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 3

AREAS

Mechanical, Plumbing & Electrical

ALTERNATE MANUFACTURER 4	

ALB-007-SI

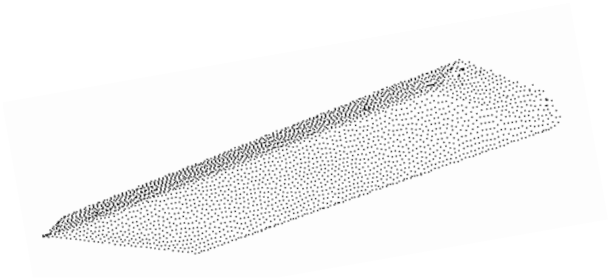
Day-Brite CFI

by signify

Recessed

T-Grid LED troffer 2x4

3200, 3800, 4300, 4800, 5400, or 7400 lumens



Project:

Location:

Cat.No:

Type:

Lamps: Qty:

Notes: Lumens called out to match existing spec (5200lm)

Day-Brite / CFI T-Grid LED troffer is an energy efficient low profile luminaire offering excellent performance for general lighting applications such as offices, schools, healthcare, or retail. Featuring a frosted prismatic lens to enhance visual comfort, the T-Grid LED Troffer utilizes highly reliable and efficient Philips LED platform boards and dimmable driver, enabling market leading efficiency in its category.

Ordering guide

Example: 2TG32L840-4-FS-02F-UNV-DIM

Width	Family	Ceiling Type	Lumen Package	Color	Length	Door Frame	Lens	Voltage	Driver	Options
2	T	G	52L	835	4	FS	02F	UNV	DIM	
2 2'	**T** T-Grid LED troffer	**G** Grid	**32L** 3200 nominal delivered lumens **38L** 3800 nominal delivered lumens **43L** 4300 nominal delivered lumens **48L** 4800 nominal delivered lumens **54L** 5400 nominal delivered lumens **74L** 7400 nominal delivered lumens	**830** 80 CRI, 3000K **835** 80 CRI, 3500K **840** 80 CRI, 4000K **850** 80 CRI, 5000K	**4** 4'	**FS** Flat Steel **FA** Flat Aluminum **RA** Regressed Aluminum	**02F** Pattern 12, .100" nominal diffuse 50% **12F** DB 12 .125" nominal diffuse 50% **19F** DB 19 .156" nominal diffuse 50%	**UNV** Universal Voltage 120-277V **347** 347V	**DIM** 0-10V dimming **SDIM**[1] Step dimming to 40% input power	**F1** 3/8" flex, 3 wire, 18 gauge 6' **F2** 3/8" flex, 4 wire, 18 gauge 6' **F1/D** 3/8" twin flex, 3 wire, 18 gauge 6', for dimmable luminaires **F2/5W** 3/8" single flex, 5 wire, 18 gauge 6', for dimmable luminaires **EMLED**[2,3] Integral emergency battery pack **1W** 1-way gasket between lens & door frame (not avail. for RA door frame) **2W** 1-way & gasket between door frame & housing **3W** 2-way & gasket betweem housing & ceiling (field installed) **GLR** Fusing, fast blow **CHIC** Chicago Plenum rated **DSC** Quick driver disconnect

Footnotes

1 SDIM not available with 74L lumen option
2 Not available for 74L-347V
3 1100 nominal lumens delivered in DC mode

Accessories (order separately)

- **FMA24 –** 2'x4' "F" mounting frame for NEMA "F" mounting
- **FKTG824 –** Flange conversion kit, 2'x4'

2TG T-Grid LED troffer 2x4

3200, 3800, 4300, 4800, 5400, or 7400 lumens

Application

- High efficacy long life solid state lighting platform.
- General lighting distribution is excellent for ambient lighting.
- High CRI source provides excellent color rendering.
- LEDs are an excellent source for use with controls since frequent switching does not affect the life of the light source.

Construction/finish

- A quality low-profile troffer with specification features for NEMA “G” grid, NEMA “NFG” narrow face grid, NEMA “GR” grid regressed, or NEMA “F” flange ceiling types.
- 3" nominal housing depth, 3-3/16" maximum depth.
- Smooth rolled edges on all four sides for easy handling.
- Die-formed one piece housing includes stiffening embosses and provides increased rigidity.
- Housing is multi-stage phosphate treated for maximum corrosion resistance and finish coat is high reflectance baked white enamel.
- Integral baffling system to prevent light leaks.
- 2 sets of integral grid clips (wraparound and fold-out) for maximum mounting flexibility.
- Integral wire hanger holes for independent wire suspension.
- Embosses with holes provided in housing end for screwing to T-bar if desired.
- 7/8" K.O.’s provided in each end cap for through wiring.
- Factory installed access plate in housing top includes 7/8" hole with rolled edge and 7/8" K.O.
- Carton includes integral carrying handle for easy handling.

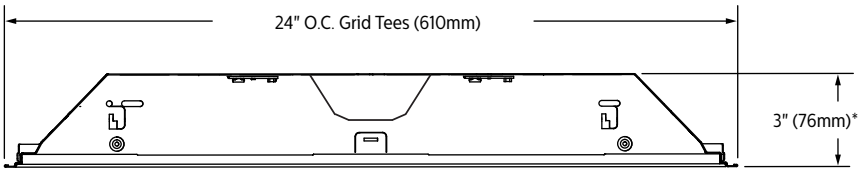
Electrical

- Standard 0–10V dimming.
- Driver and LED boards are accessible from below. LED boards are individually replaceable if required.
- Five-year luminaire limited warranty including LED boards and driver. Visit www.philips.com/warranties for complete warranty information.
- High efficiency LEDs have 50,000 hour rated life (defined by testing at 70% lumen maintenance (L70)), based on 25˚C ambient operating temperature.
- cETLus listed to UL and CSA standards, suitable for damp location.
- T-Grid LED luminaires are DesignLights Consortium® qualified. Please see the DLC QPL list for exact catalog numbers (http://www.designlights.org/QPL).
- Many luminaire components, such as reflectors, refractors, lenses, sockets, lampholders, and LEDs are made from various types of plastics which can be adversely affected by airborne contaminants. If sulfur based chemicals, petroleum based products, cleaning solutions, or other contaminants are expected in the intended area of use, consult factory for compatibility.

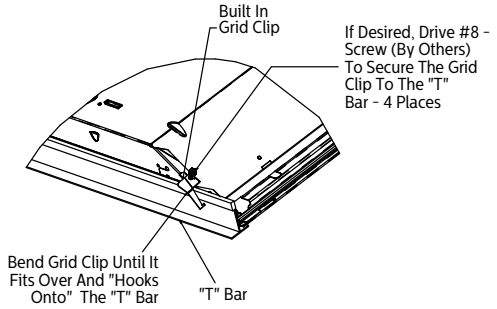
Enclosure

- Full “C” channel door frames for improved lens support and reduced shipping damage.
- Flat steel door frame features smooth rolled edges inside and outside.
- All door frames have mitered corners.
- All door frames use T-hinges and can be hinged and latched from either side.
- Opposable spring loaded latches are standard for easy operation and consistent retention.

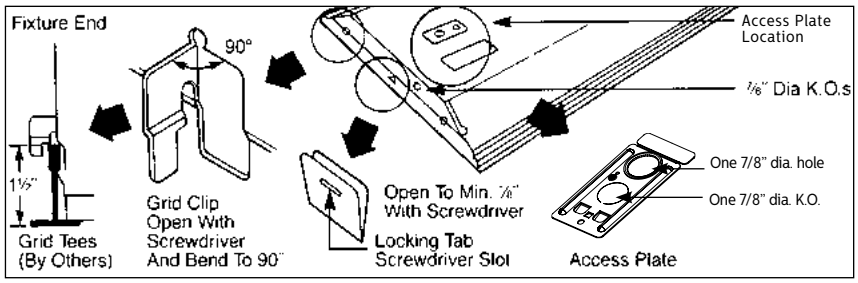
Dimensions



*EMLED option adds 1-3/4" to overall height



Wraparound Grid Clips



Fold-Out Grid Clips

2TG T-Grid LED troffer 2x4

3200, 3800, 4300, 4800, 5400, or 7400 lumens

Photometry

2x4 T-Grid LED troffer, 3200 nominal delivered lumens — LER – 112

Catalog No.	2TG32L840-4-FS-02F-UNV
Test No.	33527
S/MH	1.2
Lamp Type	LED
Lumens	3071
Input Watts	27.4

Comparative yearly lighting energy cost per 1000 lumens – **$2.14** based on 3000 hrs. and $.08 pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Candlepower

Angle	End	45	Cross
0	1293	1293	1293
5	1291	1287	1284
15	1246	1240	1224
25	1143	1123	1095
35	973	938	892
45	746	697	641
55	500	443	398
65	294	247	237
75	160	135	141
85	62	46	37

Light Distribution

Degrees	Lumens	% Luminaire
0-30	993	32.3
0-40	1588	51.7
0-60	2564	83.5
0-90	3070	100.0

Average Luminance

Angle	End	45°	Cross
45	1646	1537	1415
55	1361	1206	1082
65	1087	911	874
75	962	815	848
85	1103	828	655

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	118	118	118	115	115	115	111	111
1	109	105	101	107	103	98	97	94
2	100	92	85	97	91	84	86	81
3	92	81	73	90	80	72	78	70
4	84	72	65	81	71	64	69	63
5	78	66	56	76	65	56	63	56
6	72	59	51	70	58	51	56	50
7	67	54	46	66	54	46	52	45
8	63	50	41	60	48	40	47	40
9	58	46	38	57	45	38	44	36
10	55	42	34	54	41	34	40	34

2x4 T-Grid LED troffer, 3800 nominal delivered lumens — LER – 111

Catalog No.	2TG38L840-4-FS-02F-UNV
Test No.	33528
S/MH	1.2
Lamp Type	LED
Lumens	3660
Input Watts	33

Comparative yearly lighting energy cost per 1000 lumens – **$2.16** based on 3000 hrs. and $.08 pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Candlepower

Angle	End	45	Cross
0	1542	1542	1542
5	1535	1537	1538
15	1477	1481	1481
25	1349	1352	1348
35	1142	1139	1131
45	868	857	846
55	581	558	551
65	343	320	329
75	188	177	197
85	69	68	79

Light Distribution

Degrees	Lumens	% Luminaire
0-30	1184	32.4
0-40	1894	51.8
0-60	3055	83.5
0-90	3657	100.0

Average Luminance

Angle	End	45°	Cross
45	1917	1892	1868
55	1581	1519	1499
65	1267	1182	1214
75	1132	1067	1189
85	1233	1214	1407

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	118	118	118	115	115	115	111	111
1	109	105	101	107	103	98	97	94
2	100	92	85	97	91	84	86	81
3	92	81	73	90	80	72	78	70
4	84	72	65	81	71	64	69	63
5	78	66	56	76	65	56	63	56
6	72	59	51	70	58	51	56	50
7	67	54	46	66	54	46	52	45
8	63	50	41	60	48	40	47	40
9	58	46	38	57	45	38	44	36
10	55	42	34	54	41	34	40	34

2TG T-Grid LED troffer 2x4

3200, 3800, 4300, 4800, 5400, or 7400 lumens

Photometry

2x4 T-Grid LED troffer, 4300 nominal delivered lumens — LER – 109

Catalog No.	2TG43L840-4-FS-02F-UNV
Test No.	33530
S/MH	1.2
Lamp Type	LED
Lumens	4189
Input Watts	38.4

Comparative yearly lighting energy cost per 1000 lumens – **$2.20** based on 3000 hrs. and $.08 pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Candlepower

Angle	End	45	Cross
0	1764	1764	1764
5	1756	1757	1759
15	1690	1694	1694
25	1544	1546	1542
35	1304	1302	1294
45	992	980	968
55	663	637	630
65	392	365	376
75	214	202	226
85	79	77	90

Light Distribution

Degrees	Lumens	% Luminaire
0-30	1354	32.3
0-40	2166	51.7
0-60	3495	83.5
0-90	4188	100.0

Average Luminance

Angle	End	45°	Cross
45	2191	2163	2136
55	1805	1735	1714
65	1449	1347	1389
75	1293	1219	1362
85	1409	1381	1620

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	118	118	118	115	115	115	111	111
1	109	105	101	107	103	98	97	94
2	100	92	85	97	91	84	86	81
3	92	81	73	90	80	72	78	70
4	84	72	65	81	71	64	69	63
5	78	66	56	76	65	56	63	56
6	72	59	51	70	58	51	56	50
7	67	54	46	66	54	46	52	45
8	63	50	41	60	48	40	47	40
9	58	46	38	57	45	38	44	36
10	55	42	34	54	41	34	40	34

2x4 T-Grid LED troffer, 4800 nominal delivered lumens — LER – 107

Catalog No.	2TG48L840-4-FS-02F-UNV
Test No.	33531
S/MH	1.2
Lamp Type	LED
Lumens	4633
Input Watts	43.2

Comparative yearly lighting energy cost per 1000 lumens – **$2.24** based on 3000 hrs. and $.08 pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Candlepower

Angle	End	45	Cross
0	1950	1950	1950
5	1942	1943	1945
15	1868	1872	1874
25	1707	1709	1705
35	1443	1440	1430
45	1098	1084	1072
55	734	705	698
65	434	404	417
75	238	224	250
85	88	86	101

Light Distribution

Degrees	Lumens	% Luminaire
0-30	1498	32.3
0-40	2395	51.7
0-60	3866	83.5
0-90	4632	100.0

Average Luminance

Angle	End	45°	Cross
45	2423	2392	2366
55	1997	1919	1899
65	1602	1492	1538
75	1433	1353	1506
85	1571	1542	1811

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	118	118	118	115	115	115	111	111
1	109	105	101	107	103	98	97	94
2	100	92	85	97	91	84	86	81
3	92	81	73	90	80	72	78	70
4	84	72	65	81	71	64	69	63
5	78	66	56	76	65	56	63	56
6	72	59	51	70	58	51	56	50
7	67	54	46	66	54	46	52	45
8	63	50	41	60	48	40	47	40
9	58	46	38	57	45	38	44	36
10	55	42	34	54	41	34	40	34

2TG T-Grid LED troffer 2x4

3200, 3800, 4300, 4800, 5400, or 7400 lumens

Photometry

2x4 T-Grid LED troffer, 5400 nominal delivered lumens — LER – 105

Catalog No.	2TG54L840-4-FS-02F-UNV
Test No.	33532
S/MH	1.2
Lamp Type	LED
Lumens	5179
Input Watts	49.3

Comparative yearly lighting energy cost per 1000 lumens – **$2.29** based on 3000 hrs. and $.08 pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Candlepower

Angle	End	45	Cross
0	2180	2180	2180
5	2171	2172	2174
15	2088	2094	2093
25	1907	1911	1905
35	1614	1609	1599
45	1227	1213	1197
55	820	791	780
65	485	453	466
75	266	250	280
85	98	96	111

Light Distribution

Degrees	Lumens	% Luminaire
0-30	1674	32.3
0-40	2677	51.7
0-60	4322	83.5
0-90	5177	100.0

Average Luminance

Angle	End	45°	Cross
45	2709	2677	2643
55	2232	2151	2123
65	1792	1673	1721
75	1603	1508	1688
85	1751	1710	1988

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	118	118	118	115	115	115	111	111
1	109	105	101	107	103	98	97	94
2	100	92	85	97	91	84	86	81
3	92	81	73	90	80	72	78	70
4	84	72	65	81	71	64	69	63
5	78	66	56	76	65	56	63	56
6	72	59	51	70	58	51	56	50
7	67	54	46	66	54	46	52	45
8	63	50	41	60	48	40	47	40
9	58	46	38	57	45	38	44	36
10	55	42	34	54	41	34	40	34

2x4 T-Grid LED troffer, 7400 nominal delivered lumens — LER – 96

Catalog No.	2TG74L840-4-FS-02F-UNV
Test No.	33536
S/MH	1.2
Lamp Type	LED
Lumens	7142
Input Watts	74.1

Comparative yearly lighting energy cost per 1000 lumens – **$2.50** based on 3000 hrs. and $.08 pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Candlepower

Angle	End	45	Cross
0	3008	3008	3008
5	2994	2997	2999
15	2879	2887	2888
25	2628	2634	2627
35	2224	2217	2205
45	1689	1669	1650
55	1129	1089	1076
65	669	624	644
75	366	344	386
85	135	132	155

Light Distribution

Degrees	Lumens	% Luminaire
0-30	2309	32.3
0-40	3692	51.7
0-60	5959	83.5
0-90	7140	100.0

Average Luminance

Angle	End	45°	Cross
45	3729	3684	3643
55	3073	2964	2928
65	2470	2304	2378
75	2210	2076	2330
85	2411	2360	2783

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	118	118	118	115	115	115	111	111
1	109	105	101	107	103	98	97	94
2	100	92	85	97	91	84	86	81
3	92	81	73	90	80	72	78	70
4	84	72	65	81	71	64	69	63
5	78	66	56	76	65	56	63	56
6	72	59	51	70	58	51	56	50
7	67	54	46	66	54	46	52	45
8	63	50	41	60	48	40	47	40
9	58	46	38	57	45	38	44	36
10	55	42	34	54	41	34	40	34

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200 Franklin Square Drive,
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Signify Canada Ltd.
281 Hillmount Road,
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Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALB-017-CL

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Troffer Fixture
Item Type	Surface Mounted Troffer Fixture
Description	2' X 2' Frosted Lens Troffer with Surface Mounted Kit
Manufacturer	Cooper Lighting/Metalux
Model	22GR-LD5-43-F1-UNV-L835- CD1-U, SK-22-WS
Dimensions	24 1/16'L x 24"W x 4 15/16"H
Finish	White
CSI #	26 51 00 - Interior Lighting
Omniclass #	22-265100 - Interior Lighting
Dimming Type	0-10V
Trim	White
Mount	Surface Mount Kit
On Dimming System	No
Lens/Shade	Acrylic Prismatic Frosted Lens
Fixture Input (Max. Watts)	40.1W
Lamp Type	LED-I
Lamp Kelvin	3500K
Voltage	120-277V
Delivered Lumens (LED) or Mean Lumens (Non-LED)	4360
Lamp CRI	85+
Finish	White
Warranty	5 Years
Notes	Efficacy: 109.1 Lamp Life/Fixture Life: 60,000 hrs

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 2

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

AREAS

Mechanical, Plumbing & Electrical
Storage
Pool Storage

ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Project		**Catalog #**	22GR-LD5-43-F1-UNV-L835-CD1-U, SK-22-WS	**Type**	
Prepared by	Kathleen Kenny National Accounts	**Notes**	Ph: 678-447-5208 kathleen.kenny@cooperlighting.com	**Date**	

Metalux

22GR LED

2' x 2' LED Troffer
General Recessed LED Troffer
For Use in Insulated Ceilings

Typical Applications
• Office • Schools • Residential • Hospitals
• Retail Merchandising Areas

Interactive Menu

- Order Information page 2
- Photometric Data page 3
- Control Systems page 4
- VividTune™ Color Tuning Solutions page 5
- Product Warranty

Product Certification

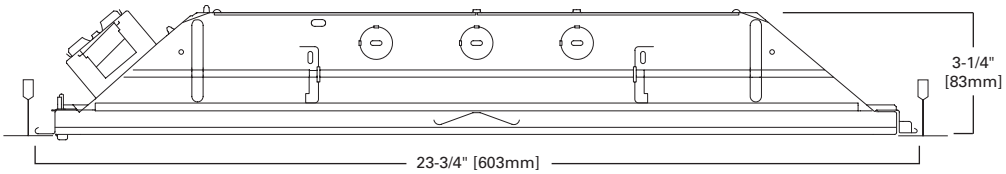
Product Features

Connected Systems · Bluetooth · VividTune color tuning solutions · MWS MODULAR WIRING SYSTEM CLICK HERE · LINEAR DISCONNECT Safe and convenient means of disconnecting power · Rapid Response CLICK HERE

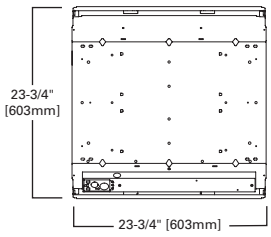
Top Product Features

- Available in 2' x 4', 2' x 2' and 1' x 4'
- Multiple lumen packages up to 18,000 in 2x4 and 9,000 in 2x2
- Up to 140 lm/W for maximum energy savings versus fluorescent troffers
- Correlated Color Temperatures 3000K, 3500K, 4000K and 5000K at 80 and 90 CRI
- Standard 0-10V continuous dimming driver

Dimensional and Mounting Details

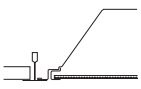


Mounting Data

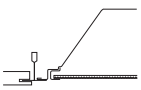


Ceiling Compatibility

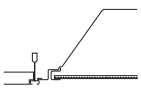
G
Grid/Lay-in
Standard



G
Concealed T



G
Slot Grid

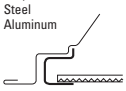


Ceiling Type	Trim Type
Exposed Grid	G
Concealed T	G
Slot Grid	G

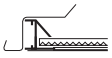
(Verify compatibility/ consult factory.)

Door Frames

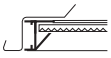
GR
Flat, White Steel Aluminum



GRFA
Flat, Extruded White Aluminum



GRRA
Deep, Regressed, Extruded Natural



Metalux 22GR LED

Order Information

SAMPLE ORDER NUMBER: **22GR-LD5-27-F1-UNV-L835-CD1-U**

Rating	Width / Length	Trim Type	Series	Door Frame	LED Type	LED Lumen Output	Shielding
[Blank]=Standard **ATW-SW4**=Chicago Rated	**22**=2' x 2'	**G**=Grid/Lay-in (Standard) (1) ~~**C**=Concealed T~~ **G**=Slot Grid	**R**=General Purpose Troffer	**Standard**=Flat White Steel Door (Leave Blank) **FA**=Flush White Extruded Aluminum c/w Spring Latch **RA**=Regressed White Extruded Aluminum **FAN**=Flush Natural Anodized Extruded Aluminum **RAN**=Regressed Natural Anodized Extruded Aluminum **FAB**=Flush Black Extruded Aluminum **RAB**=Regressed Black Extruded Aluminum	**LD5**=LED 5.0	**20**=2000 (5) **24**=2400 (5) **28**=2800 **32**=3200 **36**=3600 ~~**40**=4000~~ **43**=4300 ~~**50**=5000~~ (4) **60**=6000 (4) **70**=7000 (4), (5) **85**=8500 (4), (5) **90**=9000 (4), (5)	**F1**=A12 .095 HP (Standard) ~~**F125**=A12 .125 HP~~ **A**=A12 .095 **A125**=A12 .125 **A19/156**=#19 Pattern Acrylic (.156" Thick) (6) **FGW080**=Frosted Glazed Lens .080 **A/WG**=Prismatic Acrylic Lens, Wireguard & Doorframe **F1/WG**=Frosted Prismatic Acrylic Lens, Wireguard & Doorframe
		Notes (1) An EQ Grid Clip is recommended for all 9/16" ceiling systems.	**Notes** (2) DesignLights Consortium® Qualified and classified for DLC Standard, refer to www.designlights.org for details.			**Notes** (3) Nominal lumen output. See table for actual values. (4) White tuning not available with this model. (5) Not compatible with WN driver.	**Notes** (6) A19/156 lens creates holographic effect on the surface of the lens.

Voltage	Options	Emergency	CCT	Factory Wiring	Driver Type
~~**347V**=347 Volt~~ (9) **UNV**=Universal Voltage 120-277 (8) ~~**48V**=48 Volt Low-voltage (Class 2)~~ (C) **120V**=120 Volt (10) **277V**=277 Volt (10)	**GL**=Single Element Fuse **GM**=Double Element Fuse	**EL7W**=7-watt, 120V-277V emergency battery pack installed (11) **EL14W**=14-watt 120V-277V emergency battery pack installed (11) **ELV7W**=Low-voltage system, 7-watt emergency battery pack (C) **ELV14W**=Low-voltage system, 14-watt emergency battery pack (C) **GTR2**=Bodine Generator Transfer Relay (12), (13) **ETRD**=Iota Emergency Transfer Relay with dimming control (12)	**L830**=80CRI, 3000K **L835**=80CRI, 3500K ~~**L840**=80CRI, 4000K~~ **L850**=80CRI, 5000K **L930**=90CRI, 3000K **L935**=90CRI, 3500K **L940**=90CRI, 4000K **L950**=90CRI, 5000K **L83050**=80CRI 3000K-5000K White Tuning (14) **L93050**=90CRI 3000K-5000K White Tuning (14) **L82765**=80CRI 2700K-6500K White Tuning (14) **L92765**=90CRI 2700K-6500K White Tuning (14)	**A3/8-4/18GDIM**=3/8" Flex with 0-10V Dimming Leads Multiple other configurations available. See below for details. **A3/8-5/18GDIM**=Flex with 0-10V Dimming leads and Blue for alternate wiring. See below for details.	**CD**=0-10V Dimming Driver (10%-100% Dimming) ~~**HCD**=0-10V Dimming Driver (1%-100% Dimming)~~ **WN**=WaveLinx Wireless Fixture, No Sensor. (A), (G), (H) **5LTD**=Fifth Light DALI Driver (10%-100% Dimming) (15), (E) **5LTHD**=Fifth Light Dimming Driver (1%-100% Dimming) (E) **LV**=Low-voltage System Dimming Driver (0%-100% Dimming) (C) **SD**=Step Dimming Driver (50% or 100% Dimming) (15) **LH**=Lutron HiLume (LDE1 series) 1%-100% EcoSystem Driver with Soft-on Fade to Black dimming (F) **L5**=Lutron 5 Series (LDE5-Series) 5%-100% EcoSystem Driver (F) **W2A**=White Tuning, 2 ch, Intensity and CCT Control (16) **SR**=Sensor-ready Dimming Driver (1%-100% Dimming)
Notes (7) Products also available in non-US voltages and frequencies for international markets. (8) Not available when specifying emergencies, voltage must be specific. (9) 347V is not available with the W2A driver. (10) Must specify voltage as 120V or 277V when ordering GTR2 option. (C) Consult WaveLinx Low-Voltage or DLVP system pages for additional details and compatibility.		**Notes** (11) With integral test switch/indicator/ laser test. For approximate delivered lumens multiply the lumens per watt of the desired fixture by the wattage of the emergency battery pack (100 lm/W x 7=700 lumens). IES-format photometry for luminaire under emergency operation available. (12) Used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others). GTR2 option includes 2 relays on fixtures with dimming drivers. ETRD option only requires one relay when used on a dimming fixture. (13) Must specify voltage as 120V or 277V when ordering GTR2 option. (C) Consult WaveLinx Low-Voltage or DLVP system pages for additional details and compatibility.	**Notes** (14) White tuning provides correlated color temperatures (CCT) between 3000K (warm) to 5000K (cool) or 2700K (warm) to 6500K (cool). Must be used in conjunction with W2A.	**Flexible Metal Conduit Options** Flex options available for 0-10V dimming control, DALI dimming control, emergency and night light functions. 72-inch factory-installed and pre-wired to driver, fitted to luminaire housing access plate with 90° enclosed FMC connector. Not all options may be combined and installation ratings vary by type. **A3/8-4/18GDIM series notes:** Factory installed dimming option 3/8" flexible metal conduit with 2-#18 power and ground wires and 2-#18 UL-listed jacketed 0-10V +/- control wires. Meets UL 66, 83, 1479, 1569, 1581, 2556. NEC® 250.118, 300.22(C), 392, 396, 330, 501, 502, 503, 530, 504, 505, 518, 520, 530, 645, 72; Federal Specification A-A-59544 (formerly J-C-30B); all applicable OSHA and HUD Requirements. UL Classified 1-, 2-, and 3-hour through penetration with applicable fire stop product (not included). May be surface mounted, fished and/or embedded in plaster. Cable tray and approved raceway rated, install per NEC®; Environmental Air-Handling Space Installation per NEC® 300.22(C).	**Notes** (15) Step Dim (Bi Level) and DALI only available in 3600 lumen and above. (16) White tuning provides correlated color temperatures (CCT) between 3000K (warm) to 5000K (cool) or 2700K (warm) to 6500K (cool). Must be used in conjunction with W2A. Integrated options must be used in conjunction with the associated system and may not be compatible with other options or accessories. Please refer to the following: (A) Consult WaveLinx system pages for additional details and compatibility. (C) Consult WaveLinx Low-Voltage or DLVP system pages for additional details and compatibility. (E) Consult Fifth Light system pages for additional details and compatibility. (F) Consult Marketplace Options - Lutron system pages for additional details and compatibility. Compatible only with driver series shown, and may require two or more drivers. Requires field commissioning to operate or dim. Contact Lutron at www.lutron.com. (G) Not compatible with GTR, ETRD, or integrated sensor options. (H) Available with UNV voltage only.

SK-22-WS

Number of Drivers	Options	Integrated Sensing Systems	Packaging	Accessories
1=1 Driver ~~**2**=2 Drivers~~	**PAF**=Painted After Fabrication **G1**=Gasket, Door Frame and Housing **G2**=G1 plus Gasket between Lens and Door **G3**=G1 and G2 plus Gasketing on Mounting Surface of Fixture Trims (17), (18)	**[Blank]**=No Sensor **WAA**=WaveLinx Wireless Integrated Sensor (18), (A) **WAB**=WaveLinx Lite Wireless Integrated Sensor (19), (B) **WLA**=Low-voltage Integrated Sensor (20), (C) **SVPD1**=0-10V Stand-alone Integrated Sensor (19), (D)	**U**=Unit Pack ~~**PAL**=Job Pack, out of carton~~ **PALC**=Job Pack, in carton	**EQ-CLIP-U**=T-BAR Safety Earthquake Clips (19) **DF-22W-U**=2' x 2' Drywall Frame Kit **SK-22-WS**=2' x 2' Shallow Surface Mount Kit **SK-22-WT**=2' x 2' Tall Surface Mount Kit **ISHH-01**=Programming Remote for Integrated Sensor (D) **ISHH-02**=Personal Control Remote for Integrated Sensor (D)
	Notes (17) Gasketing only available with aluminum door frame. (18) Gasketing minimum .125.	**Notes** (18) WAA sensor to be used with CD or W2A driver. (19) WAB and SVPD1 sensor to be used with CD driver. (20) WLA sensor to be used with LV driver. Integrated options must be used in conjunction with the associated system and may not be compatible with other options or accessories. Please refer to the following: (A) Consult WaveLinx system pages for additional details and compatibility. (B) WaveLinx Lite devices are not currently compatible with the WaveLinx Wireless Area Controller. Consult WaveLinx Lite system pages for additional details and compatibility. (C) Consult WaveLinx Low-Voltage or DLVP system pages for additional details and compatibility. (D) Consult SVPD series system pages for additional details and compatibility.		**Notes** (19) An EQ Grid Clip is recommended for all 9/16" ceiling systems. (D) For use with SVPD sensor only. Consult SVPD series system pages for additional details and compatibility.

Metalux 22GR LED

Product Specifications

Construction
- Rigid housing is die formed of code gauge prime cold rolled steel
- Full length die-formed stiffeners and unibody endplate for added strength
- Innovative design provides superior lens brightness, uniformity and visual comfort
- Unibody endplates are securely attached with interlocking tabs and screws
- Four auxiliary fixture end suspension points provided
- Endplates have integral Grid-lock feature for safety and convenience

Controls
- Standard with 0-10V dimming driver (10% standard, 1% optional)
- WaveLinx wireless fixture for sensor-less wireless control
- WaveLinx wireless sensor compatible for standalone, controlled, connected, and IoT capability
- SVPD sensor compatible for standalone functionality
- Low-voltage sensor and driver compatible for WaveLinx Low-Voltage and DLVP applications
- DALI 2.0, Lutron, and step-dimming available

Electrical
- TM-21 life at 60,000 hours up to L88 and calculated L70 exceeds 162,000 hrs.
- Available in 3000K, 3500K, 4000K or 5000K with a minimum of 80 CRI
- Color accuracy ≤3-Step MacAdam ellipse (SDCM)
- Drivers available in 120-277V and 347V
- Tunable white options available with Cooper Lighting Solutions' VividTune

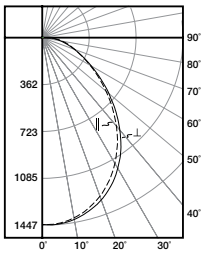
Emergency Battery Pack Option
- Optional 120V-277V integral emergency battery pack available in 7-watts, 14-watts
- 90-minute batteries provide constant power to the LED system
- Test switch/indicator button can be tested safely from the ground using a laser pointer
- Emergency/generator transfer options available

Frame/Optical Shielding
- Die formed, flat steel door with frosted #12 pattern acrylic prismatic lens
- Primary stocking skus come standard with robust .095 lens
- Other options available for maximum versatility

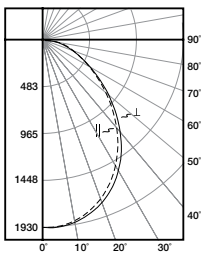
Compliance
- IC rated for insulation contact
- cULus listed for damp locations
- RoHS compliant
- Tested to IESNA LM-79 and LM-80
- Stated life per TM21 standards
- Can be used for State of California Title 24 high efficacy luminaire

Photometric Data

View IES files



22GR-LD5-32-F1UNV-L835-CD1-U
Electronic Driver
Linear LED 3500K
Spacing criterion: (II) 1.14 x mounting height, (⊥) 1.18 x mounting height
Lumens: 3268
Input Watts: 29.9W
Efficacy: 109.1 lm/W
Test Report: 22GRLD5-32-F1-UNVL835-CD1-U.IES



22GR-LD5-43-F1UNV-L835-CD1-U
Electronic Driver
Linear LED 3500K
Spacing criterion: (II) 1.14 x mounting height, (⊥) 1.18 x mounting height
Lumens: 4360
Input Watts: 40.1W
Efficacy: 108.7 lm/W
Test Report: 22GR-LD5-43-F1UNV-L835-CD1-U. IES

Energy and Performance Data

Stock or MTO	Catalog Logic (Rectilinear Shielding)	Delivered Lumens	Watts	Efficacy (lm/W)
MTO	22GR-LD5-20-F1-UNV-L835-CD1-U	2068	16.1	128
Stock	22GR-LD5-24-F1-UNV-L835-CD1-U	2459	19.2	128
MTO	22GR-LD5-28-F1-UNV-L835-CD1-U	2898	22.9	126
Stock	22GR-LD5-32-F1-UNV-L835-CD1-U	3268	29.9	109
MTO	22GR-LD5-36-F1-UNV-L835-CD1-U	3642	34.5	105
MTO	22GR-LD5-40-F1-UNV-L835-CD1-U	4098	38.8	106
Stock	22GR-LD5-43-F1-UNV-L835-CD1-U	4360	40.1	109
MTO	22GR-LD5-50-F1-UNV-L835-CD1-U	4929	40.4	122
MTO	22GR-LD5-60-F1-UNV-L835-CD1-U	5931	49.6	120
MTO	22GR-LD5-70-F1-UNV-L835-CD1-U	6991	64.2	109
MTO	22GR-LD5-85-F1-UNV-L835-CD1-U	8554	81.1	106
MTO	22GR-LD5-90-F1-UNV-L835-CD1-U	8991	86.0	105

Lumen Maintenance

Ambient Temperature	TM-21 Lumen Maintenance (60,000 hours)	Theoretical L70 (Hours)
25°C	> 88%	> 162,000

Lens Table

Approximate Lumen Multiplier	
F1	1.0
F125	1.0
A125	1.01
A	1.01
A19/156	.975
FGW080	.85

CCT Table

Approximate Color Temperature Multiplier	
5000K	1.016
4000K	1.016
3500K	1.0
3000K	.982
2700K	.930

Shipping Data

Catalog No.	Wt.	Pallet
22GR-LD5-32	10 lbs.	56

Control Systems

- WaveLinx Wireless
- WaveLinx Wired
- WaveLinx Lite
- DLVP
- VividTune

Connected Systems
CLICK HERE

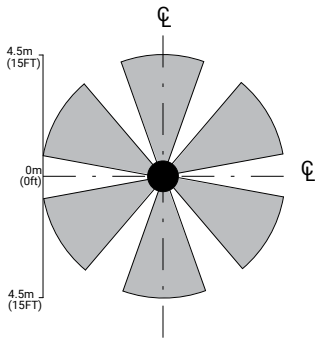
The GRLED with Integrated Sensor technology provides automatic energy savings without sacrificing performance. The GRLED delivers superior lighting with integrated occupancy and daylighting controls.

For standalone and controlled applications, the WaveLinx Lite integral sensor provides out-of-the-box functionality with no gateways required and factory startup is not needed.

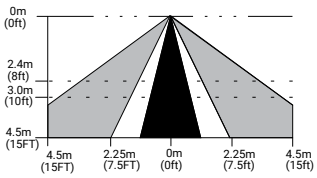
When more connectivity is required, the WaveLinx Wireless sensor meets modern code and utility requirements, delivers energy and cost savings, while enabling buildings to become smart buildings.

The WaveLinx Wireless Connected Lighting System combined with Trellix provides an open IoT platform and infrastructure that connects intelligent sensors leveraging the real-estate of the physical light fixture to solve higher complexity problems to deliver actionable insights through the aggregation of valuable data.

TOP VIEW:



SIDE VIEW:



***Note**: Installation of integrated sensors within 3-ft (1m) of HVAC air vents is not recommended. The pattern shown is intended solely as a general guide and is not to scale.*

Systems comparison chart

Cooper Lighting Solutions provides many lighting system solutions designed to satisfy code requirements and meet the unique needs of any project.

	Standalone	Controlled WaveLinx Lite	Connected WaveLinx Wireless	Enterprise Trellix
Occupancy	Yes	Yes	Yes	Yes
Daylighting	Yes	Yes	Yes	Yes
Gateways	–	–	1 WAC	300 WACs
Devices	–	50 per Area (1400 per site)	150 per WAC	45,000 per Core Enterprise
Software	–	WaveLinx Lite Mobile App	WaveLinx Mobile App	Trellix Core
Areas	–	28 per Site	16 per WAC	up to 4,800
Zones	–	16 per Area	16 per Area	up to 76,800
Scheduling	–	–	Local	Global
VividTune™	–	–	Yes	Yes
Plug-Load Control	–	–	Yes	Yes
Low-Voltage Power	–	–	Yes	Yes
Integration	–	–	–	BACnet, API
Dashboards	–	–	–	Energy, Occupancy
Configuration	–	Installer	Technician	Technician / IT

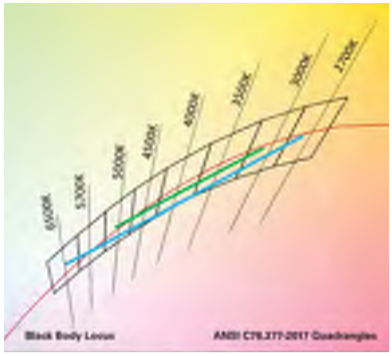
SCALABILITY

devices → areas → floors → buildings

VividTune™
color tuning solutions

22GR LED with VividTune Tunable White

VividTune tunable white luminaires from Cooper Lighting Solutions deliver high-quality light in a broad range of continuously variable color temperatures and intensities. Create a dynamic environment by adjusting the ambient light warmer or cooler to influence mood, support the task at hand, or create a dramatic ambience. The ability to control correlated color temperature and intensity separately using simple controls is the next evolution of LED lighting for the commercial, educational, healthcare and hospitality space. The unparalleled flexibility and number of available lighting environments enable users to find the right light with tunable white.



3000K - 5000K
2700K - 6500K

Performance Data*

Tunable White - Lumen Adjustment Factors (example only)

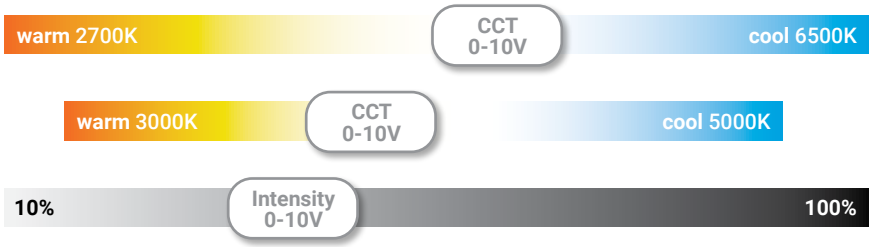
CCT	3000K-5000K		2700K-6500K	
	80 CRI	90 CRI	80 CRI	90 CRI
2700K	-	-	0.905	0.773
3000K	0.932	0.767	0.931	0.804
3500K	0.986	0.838	0.964	0.844
4000K	1.036	0.905	0.984	0.871
4500K	1.045	0.921	1.002	0.894
5000K	1.045	0.921	1.016	0.911
6500K	-	-	1.031	0.936

2' x 2' GRLED - Example of Approximate Lumen Calculation

CCT Setting	Standard Catalog #	VividTune 80 CRI Catalog #	VividTune 90 CRI Catalog #
	22GR-LD5-32-F1-UNV-L835-CD1-U	22GR-LD5-32-F1-UNV-L83050-W2A1-U	22GR-LD5-32-F1-UNV-L93050-W2A1-U
3000K	-	3046	2507
3500K	3268	3223	2740
4000K	-	3384	2959
4500K	-	3416	3010
5000K	-	3416	3010

Controlling VividTune Tunable White

VividTune luminaires make tunable white more accessible by using simple and familiar controls. From wall dimmers to wireless controls, VividTune tunable white luminaires are compatible with industry standard 0-10V dimming controls. A single 0-10V dimming input is used to control intensity (brightness) while a second 0-10V dimming input is used to adjust CCT. For suggested control configurations, go to www.cooperlighting.com for tunable white application guides.



Example of Lumen Adjustment Calculation

22GR-LD5-32-F1-UNV-L83050-W2A1-U at 80 CRI tuned to 3500K

Adjusted Lumen = published lm x adjusted lm factor

Adjusted Lumen = 3268 x 0.986

Adjusted Lumen = 3223 lm

** Lumen adjustment factors are for reference and may be different for each product selected. Refer to IES files for actual performance data on each.*

Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

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Specifications and dimensions subject to change without notice.

Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALB-017-SI

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Recessed Troffer Fixture
Item Type	Recessed Box
Description	2' X 2' Recessed Troffer
Manufacturer	Signify/Day-Brite
Model	2TG45L835-2-FS-02F-UNV-DIM
Dimensions	24"L x 24"W x 3"H
Finish	White
CSI #	26 51 00 - Interior Lighting
Omniclass #	22-265100 - Interior Lighting
Dimming Type	0-10V
Trim	White
Mount	Recessed ACT
On Dimming System	No
Lens/Shade	Acrylic Prismatic Frosted Lens
Fixture Input (Max. Watts)	51W
Lamp Type	LED-I
Lamp Kelvin	3500K
Voltage	120-277V
Delivered Lumens (LED) or Mean Lumens (Non-LED)	4551
Lamp CRI	85+
Finish	White
Warranty	5 Years
Notes	Efficacy: 89 Lamp Life/Fixture Life: 50,000 hrs

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

ALTERNATE MANUFACTURER 2

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

AREAS

Mechanical, Plumbing & Electrical
Storage
Pool Storage

ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Day-Brite CFI by signify

Recessed

T-Grid LED troffer 2x2

2000, 3000, 3800 or 4500 lumens

Project:

Location:

Cat.No:

Type:

Lamps: Qty:

Notes:

Day-Brite / CFI T-Grid LED troffer is an energy efficient low profile luminaire offering excellent performance for general lighting applications such as offices, schools, healthcare, or retail. Featuring a frosted prismatic lens to enhance visual comfort, the T-Grid LED Troffer utilizes highly reliable and efficient Philips LED platform boards and dimmable driver, enabling market leading efficiency in its category.

Ordering guide

Example: 2TG30L840-2-FS-02F-UNV-DIM

Width	Family	Ceiling Type	Lumen Package	Color Temp.	Length	Door Frame	Lens	Voltage	Driver	Options
2	T	G	45L	835	– 2	– FS	– 02F	– UNV	– DIM	
2 2'	**T** T-Grid LED troffer	**G** Grid	**20L** 2000 nominal delivered lumens **30L** 3000 nominal delivered lumens **38L** 3800 nominal delivered lumens **45L** 4500 nominal delivered lumens	**830** 80 CRI, 3000K **835** 80 CRI, 3500K **840** 80 CRI, 4000K **850** 80 CRI, 5000K	**2** 2'	**FS** Flat Steel **FA** Flat Aluminum **RA** Regressed Aluminum	**02F** Pattern 12, .100" nominal diffuse 50% **12F** DB 12 .125" nominal diffuse 50% **19F** DB 19 .156" nominal diffuse 50%	**UNV** Universal Voltage 120-277V **347** 347V	**DIM** 0-10V dimming **SDIM** Step dimming to 40% input power	**F1** 3/8" flex, 3 wire, 18 gauge 6' **F2** 3/8" flex, 4 wire, 18 gauge 6' **F1/D** 3/8" twin flex, 3 wire, 18 gauge 6', for dimmable luminaires **F2/5W** 3/8" single flex, 5 wire, 18 gauge 6', for dimmable luminaires **EMLED**[1] Integral emergency battery pack **1W** 1-way gasket between lens & door frame (not avail. for RA door frame) **2W** 1-way & gasket between door frame & housing **3W** 2-way & gasket betweem housing & ceiling (field installed) **GLR** Fusing, fast blow **CHIC** Chicago Plenum rated **DSC** Quick driver disconnect

Footnotes

1 Emergency pack mounted in enclosure on top of fixture housing. Delivers 1100 nominal lumens in DC mode.

Accessories (order separately)

- **FMA22** – 2'x2' "F" mounting frame for NEMA "F" mounting
- **FKTG822** – Flange conversion kit, 2'x2'

2TG T-Grid LED troffer 2x2

2000, 3000, 3800 or 4500 lumens

Application

- High efficacy long life solid state lighting platform.
- General lighting distribution is excellent for ambient lighting.
- High CRI source provides excellent color rendering.
- LEDs are an excellent source for use with controls since frequent switching does not affect the life of the light source.

Construction/finish

- A quality low-profile troffer with specification features for NEMA “G” grid, NEMA “NFG” narrow face grid, NEMA “GR” grid regressed, or NEMA “F” flange ceiling types.
- 3" nominal housing depth, 3-3/16" maximum depth.
- Smooth rolled edges on all four sides for easy handling.
- Die-formed one piece housing includes stiffening embosses and provides increased rigidity.
- Housing is multi-stage phosphate treated for maximum corrosion
resistance and finish coat is high reflectance baked white enamel.
- Integral baffling system to prevent light leaks.
- 2 sets of integral grid clips (wraparound and fold-out) for maximum mounting flexibility.
- Integral wire hanger holes for independent wire suspension.
- Embosses with holes provided in housing end for screwing to T-bar if desired.
- 7/8" K.O.’s provided in each end cap for through wiring.
- Factory installed access plate in housing top includes 7/8" hole with rolled edge and 7/8" K.O.
- Carton includes integral carrying handle for easy handling.

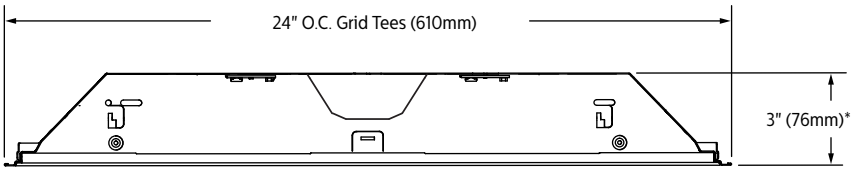
Electrical

- Standard 0–10V dimming.
- Driver and LED boards are accessible from below. LED boards are individually replaceable if required.
- Five-year luminaire limited warranty including LED boards and driver. Visit www.philips.com/warranties for complete warranty information.
- High efficiency LEDs have 50,000 hour rated life (defined by testing at 70% lumen maintenance (L70)), based on 25˚C ambient operating temperature.
- cETLus listed to UL and CSA standards, suitable for damp location.
- T-Grid LED luminaires are DesignLights Consortium® qualified. Please see the DLC QPL list for exact catalog numbers (http://www.designlights.org/QPL).
- Many luminaire components, such as reflectors, refractors, lenses, sockets, lampholders, and LEDs are made from various types of plastics which can be adversely affected by airborne contaminants. If sulfur based chemicals, petroleum based products, cleaning solutions, or other contaminants are expected in the intended area of use, consult factory for compatibility.

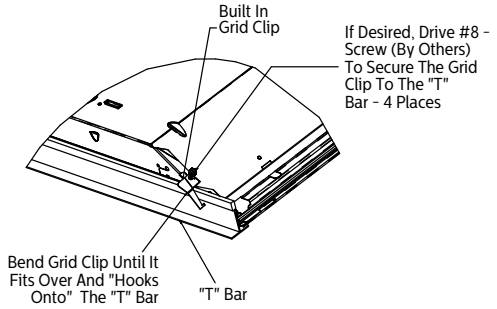
Enclosure

- Full “C” channel door frames for improved lens support and reduced shipping damage.
- Flat steel door frame features smooth rolled edges inside and outside.
- All door frames have mitered corners.
- All door frames use T-hinges and can be hinged and latched from either side.
- Opposable spring loaded latches are standard for easy operation and consistent retention.

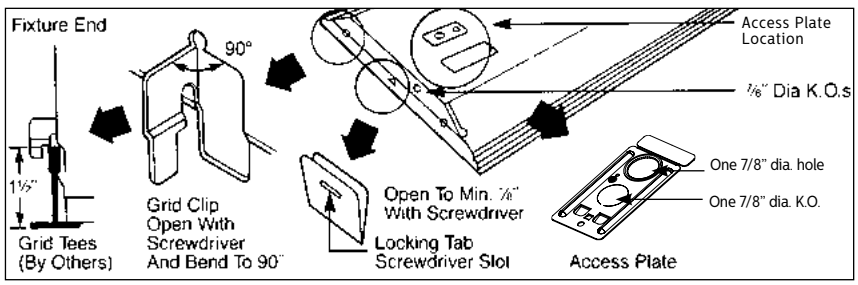
Dimensions



*EMLED option adds 1-3/4" to overall height



Wraparound Grid Clips



Fold-Out Grid Clips

2TG T-Grid LED troffer 2x2

2000, 3000, 3800 or 4500 lumens

Photometry

2x2 T-Grid LED troffer, 2000 nominal delivered lumens — LER – 99

Catalog No.	2TG20L840-2-FS-02F-UNV
Test No.	32630
S/MH	1.2
Source	LED
Lumens/Lamp	2287
Input Watts	23

Comparative yearly lighting energy cost per 1000 lumens – **$2.42** based on 3000 hrs. and $.08 pwr KWH. Actual rates and usage may vary.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Candlepower

Angle	End	45	Cross
0	983	983	983
5	978	978	979
15	933	935	937
25	844	849	856
35	703	709	709
45	526	532	549
55	344	345	359
65	202	195	211
75	112	109	127
85	42	42	49

Light Distribution

Degrees	Lumens	% Luminaire
0-30	747	32.7
0-40	1191	52.1
0-60	1915	83.7
0-90	2287	100.0

Average Luminance

Angle	End	45°	Cross
45	2442	2472	2551
55	1968	1977	2058
65	1572	1518	1644
75	1427	1384	1618
85	1570	1597	1831

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	118	118	118	115	115	115	111	111
1	109	105	101	107	103	98	97	94
2	100	93	85	97	91	84	86	81
3	92	81	75	90	81	73	78	71
4	84	72	65	82	71	64	69	63
5	78	66	57	76	65	56	63	56
6	72	59	51	70	58	51	56	50
7	68	55	46	66	54	46	52	45
8	63	50	41	61	48	41	47	40
9	58	46	38	57	46	38	44	38
10	55	42	34	54	41	34	40	34

2x2 T-Grid LED troffer, 3000 nominal delivered lumens — LER – 92

Catalog No.	2TG30L840-2-FS-02F-UNV
Test No.	32628
S/MH	1.2
Source	LED
Lumens/Lamp	2994
Input Watts	32.7

Comparative yearly lighting energy cost per 1000 lumens – **$2.61** based on 3000 hrs. and $.08 pwr KWH. Actual rates and usage may vary.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Candlepower

Angle	End	45	Cross
0	1285	1285	1285
5	1279	1279	1281
15	1220	1223	1228
25	1104	1110	1122
35	921	926	947
45	689	696	719
55	449	452	470
65	264	256	277
75	147	142	167
85	55	56	64

Light Distribution

Degrees	Lumens	% Luminaire
0-30	977	32.7
0-40	1558	52.0
0-60	2506	83.7
0-90	2994	100.0

Average Luminance

Angle	End	45°	Cross
45	3201	3234	3342
55	2575	2589	2694
65	2052	1992	2153
75	1865	1803	2124
85	2063	2092	2395

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	118	118	118	115	115	115	111	111
1	109	105	101	107	103	98	97	94
2	100	93	85	97	91	84	86	81
3	92	81	73	90	81	72	78	71
4	84	72	65	82	71	64	69	63
5	78	66	57	76	65	56	63	56
6	72	59	51	70	58	51	56	50
7	68	55	46	66	54	46	52	45
8	63	50	41	61	48	41	47	40
9	58	46	38	57	46	38	44	36
10	55	41	34	54	41	34	40	34

2TG T-Grid LED troffer 2x2

2000, 3000, 3800 or 4500 lumens

Photometry

2x2 T-Grid LED troffer, 3800 nominal delivered lumens — LER – 85

Catalog No.	2TG38L840-2-FS-02F-UNV
Test No.	32631
S/MH	1.2
Source	LED
Lumens/Lamp	3693
Input Watts	43.5

Comparative yearly lighting energy cost per 1000 lumens – **$2.82** based on 3000 hrs. and $.08 pwr KWH. Actual rates and usage may vary.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Candlepower

Angle	End	45	Cross
0	1586	1586	1586
5	1578	1578	1580
15	1505	1509	1514
25	1362	1369	1384
35	1136	1143	1169
45	848	859	889
55	555	557	581
65	326	316	342
75	181	175	207
85	68	69	78

Light Distribution

Degrees	Lumens	% Luminaire
0-30	1206	32.7
0-40	1922	52.0
0-60	3091	83.7
0-90	3693	100.0

Average Luminance

Angle	End	45°	Cross
45	3942	3990	4130
55	3177	3193	3330
65	2534	2456	2660
75	2301	2219	2625
85	2545	2588	2951

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	118	118	118	115	115	115	111	111
1	109	105	101	107	103	98	97	94
2	100	93	85	97	91	84	86	81
3	92	81	75	90	81	73	78	71
4	84	72	65	82	71	64	69	63
5	78	66	57	76	65	56	63	56
6	72	59	51	70	58	51	56	50
7	68	55	46	66	54	46	52	45
8	63	50	41	61	48	41	47	40
9	58	46	38	57	46	38	44	38
10	55	42	34	54	41	34	40	34

2x2 T-Grid LED troffer, 4500 nominal delivered lumens — LER – 88

Catalog No.	2TG45L840-2-FS-02F-UNV
Test No.	32395
S/MH	1.2
Source	LED
Lumens/Lamp	4551
Input Watts	51.5

Comparative yearly lighting energy cost per 1000 lumens – **$2.79** based on 3000 hrs. and $.08 pwr KWH. Actual rates and usage may vary.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Candlepower

Angle	End	45	Cross
0	1968	1968	1968
5	1958	1957	1960
15	1864	1867	1873
25	1677	1687	1702
35	1392	1401	1428
45	1044	1052	1083
55	691	690	720
65	412	400	428
75	226	220	250
85	81	81	92

Light Distribution

Degrees	Lumens	% Luminaire
0-30	1489	32.7
0-40	2366	52.0
0-60	3805	83.6
0-90	4550	100.0

Average Luminance

Angle	End	45°	Cross
45	4852	4887	5031
55	3959	3952	4127
65	3202	3111	3327
75	2872	2789	3167
85	3038	3066	3468

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	119	119	119	116	116	116	111	111
1	109	105	101	107	103	99	98	95
2	100	93	86	98	91	85	87	82
3	92	82	74	90	81	74	78	72
4	85	73	65	83	72	64	70	63
5	78	66	58	76	65	57	63	56
6	73	60	51	71	59	51	57	50
7	68	55	46	66	54	46	52	45
8	63	50	42	62	49	42	48	41
9	59	46	38	58	46	38	44	38
10	55	43	35	54	42	35	41	34

Signify

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Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALB-018-CL

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Troffer Fixture
Item Type	Recessed Box Troffer Fixture
Description	2' X 4' "Skyridge" - Center Blade Edge Lit
Manufacturer	Cooper Lighting/Metalux
Model	24SR-LD2-39-C-UNV-L835-CD1-U
Dimensions	47 15/16" L x 23 3/4" W x 4 11/16" H
Finish	White
CSI #	26 51 00 - Interior Lighting
Omniclass #	22-265100 - Interior Lighting
Dimming Type	0-10V
Trim	White
Mount	Recessed ACT
On Dimming System	Yes
Fixture Input (Max. Watts)	31.9W
Lamp Type	LED
Lamp Kelvin	3500K
Voltage	120-277V
Delivered Lumens (LED) or Mean Lumens (Non-LED)	4197
Lamp CRI	85+
Finish	White
Warranty	5 Years
Notes	Efficacy: 131.6 Lamp Life/Fixture Life: 100,000 hrs

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Fitness Center

Project		Catalog #	24SR-LD2-39-C-UNV-L835-CD1-U	Type	ALB-018-CL
Prepared by	Kathleen Kenny National Account	Notes	PH: 678-447-5208 kathleen.kenny@cooperlighting.com	Date	

Metalux

SkyRidge 24SR LED

2' x 4' Specification Grade Troffer
LED Module

Typical Applications

• Commercial Office Spaces • Schools • Hospitals • Retail
• Other Indoor Ambient Applications

Interactive Menu

- Order Information page 2
- Photometric Data page 3
- Control Solutions page 6
- Connected Systems page 6
- Product Warranty

Product Certification

Product Features

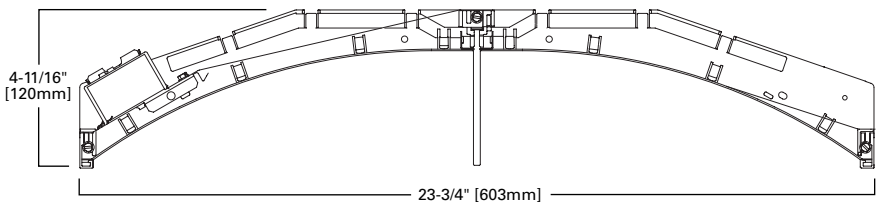
Connected Systems · Bluetooth · damp location · MWS MODULAR WIRING SYSTEM CLICK HERE · LINEAR DISCONNECT Safe and convenient means of disconnecting power · Rapid Response CLICK HERE

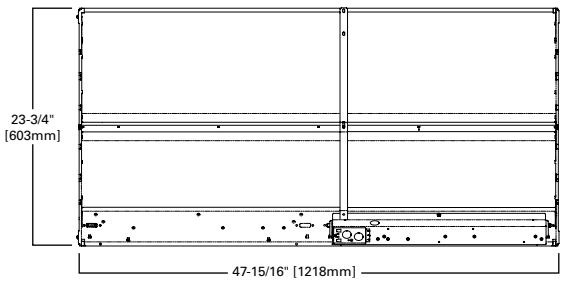
Top Product Features

- Available in 1' x 2', 1' x 4', 2' x 2' and 2' x 4' recessed versions
- Leverages our patented WaveStream Technology with AccuAim™ optics
- Advanced optical control with optimal illumination
- High performance efficacy up to 146 lumens per watt
- Over 60% energy savings when compared to a fluorescent troffers

Dimensional and Mounting Details

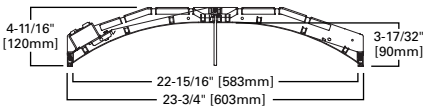
CURVED



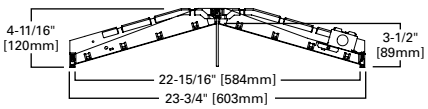


Lamp Configurations

CURVED



STRAIGHT



Ceiling Compatibility

G
Grid/Lay-in
Standard

F
Drywall Frame
Kit

Ceiling Type	Trim Type
Exposed Grid	G
Concealed T	G or T
Slot Grid	G or T
Flange	*

*See Drywall Frame Kit Accessory in Ordering Information section.
**Fixture construction is suitable for use in Air-handling and plenum rated spaces in accordance with Section 300.22 (C) of the National Electrical Code, Section 4.3.11.2.6.5 of NFPA 90A and Section 602.2.1.4 of ICC.

Metalux 24SR LED 2' x 4'

Order Information

SAMPLE ORDER NUMBER: **24SR-LD2-48-C-UNV-L835-CD1-SVDP1-U**

Rating | Series | Air | Lamp Type | Lumen Outputs | Reflector | Optics | Voltage

Rating	Series [2]	Air	Lamp Type	Lumen Outputs	Reflector	Optics	Voltage [7]
[Blank]=Standard **ATW-SW4**=Chicago Rated [1]	**24SR**=2' x 4' SkyRidge Series	**[Blank]**=Standard **A**=Air (Vented) [3]	**LD2**=LED 2.0	**Stock Lumen Outputs** **39**=3900 Lumens **48**=4800 **MTO Lumen Outputs** **29**=2900 Lumens [4], [5] **34**=3400 Lumens [4], [5] **45**=4500 Lumens **53**=5300 Lumens **59**=5900 Lumens **64**=6400 Lumens [6]	**C**=Curved (Standard) **S**=Straight	**[Blank]**=Standard	**347V**=347 Volt **UNV**=Universal Voltage 120-277V **48V**=48 Volt Low-voltage (Class 2) [C] **120V**=120 Volt [8] **277V**=277 Volt [8]
Notes (1) Chicago rated version does not allow for row mounting.	**Notes** (2) DesignLights Consortium® Qualified and classified for DLC Standard, refer to www.designlights.org for details.	**Notes** (3) Air version is vented but does not meet air handling requirements. Air version is non-IC. Air version is not available with integrated sensor.		**Notes** (4) 2900 and 3400 lumen packages are not available with Step-Dim driver. (5) 2900 and 3400 lumen packages are not available with 5LTD –Dali option driver. (6) 5LTHD option uses two drivers at 6400 lumens.			**Notes** (7) Products also available in non-US voltages and frequencies for international markets. (8) Must specify voltage as 120V or 277V when ordering GTR2 option. (C) Consult WaveLinx Low-Voltage or DLVP system pages for additional details and compatibility.

Emergency Options | CCT | Flex | Driver Type | Number of Drivers

Emergency Options	CCT	Flex	Driver Type	Number of Drivers
EL7W=7-watt, 120V-277V emergency battery pack installed [9] **EL14W**=14-watt 120V-277V emergency battery pack installed [9] **ELV7W**=Low-voltage system, 7-watt emergency battery pack [C] **ELV14W**=Low-voltage system, 14-watt emergency battery pack [C] **GTR2**=Bodine Generator Transfer Relay [10], [11] **ETRD**=Iota Emergency Transfer Relay with dimming control [10]	**L830**=80CRI, 3000K **L835**=80CRI, 3500K **L840**=80CRI, 4000K **L850**=80CRI, 5000K	**A3/8-4/18GDIM**=3/8" Flex with 0-10V Dimming Leads Multiple other configurations available. See below for details. **A3/8-5/18GDIM**=Flex with 0-10V Dimming leads and Blue for alternate wiring. See below for details.	**CD**=0-10V Dimming Driver (1%-100% Dimming) **WN**=WaveLinx Wireless Fixture, No Sensor [A], [G], [H] **5LTD**=Fifth Light DALI Driver (5%-100% Dimming) [13], [E] **5LTHD**=Fifth Light Dimming Driver (1%-100% Dimming) [14], [E] **LV**=DLVP Dimming Driver (0%-100% Dimming) [C] **SD**=Step Dimming Driver (50%-100% Dimming) [12] **LH**=Lutron HiLume (LDE1 series) 1%-100% EcoSystem Driver with Soft-on Fade to Black dimming [F] **L5**=Lutron 5 Series (LDE5-Series) 5%-100% EcoSystem Driver [F] **SR**=Sensor-ready Dimming Driver (1%-100% Dimming)	**1**=1 Driver
Notes (9) With integral test switch/indicator/laser test. For approximate delivered lumens multiply the lumens per watt of the desired fixture by the wattage of the emergency battery pack (100 lm/W x 7=700 lumens). IES-format photometry for luminaire under emergency operation available. (10) Used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others). GTR2 option includes 2 relays on fixtures with dimming drivers. ETRD option only requires one relay when used on a dimming fixture. (11) Must specify voltage as 120V or 277V when ordering GTR2 option. (C) Consult WaveLinx Low-Voltage or DLVP system pages for additional details and compatibility.		**Flexible Metal Conduit Options** Flex options available for 0-10V dimming control, DALI dimming control, emergency and night light functions. 72-inch factory-installed and pre-wired to driver, fitted to luminaire housing access plate with 90° enclosed FMC connector. Not all options may be combined and installation ratings vary by type. **A3/8-4/18GDIM series notes:** Factory installed dimming option 3/8" flexible metal conduit with 2-#18 power and ground wires and 2-#18 UL-listed jacketed 0-10V +/- control wires. Meets UL 66, 83, 1479, 1569, 1581, 2556. NEC® 250.118, 300.22(C), 392, 396, 330, 501, 502, 503, 530, 504, 505, 518, 520, 530, 645, 72; Federal Specification A-A-59544 (formerly J-C-30B); all applicable OSHA and HUD Requirements. UL Classified 1-, 2-, and 3-hour through penetration with applicable fire stop product (not included). May be surface mounted, fished and/or embedded in plaster. Cable tray and approved raceway rated, install per NEC®; Environmental Air-Handling Space Installation per NEC® 300.22(C).	**Notes** (12) 2900 and 3400 lumen packages are not available with Step-Dim driver. (13) 2900 and 3400 lumen packages are not available with 5LTD –Dali option driver. (14) 5LTHD option uses two drivers at 6400 lumens. Integrated options must be used in conjunction with the associated system and may not be compatible with other options or accessories. Please refer to the following: (A) Consult WaveLinx system pages for additional details and compatibility. (C) Low-voltage System Dimming Driver (0%-100% Dimming). (E) Consult Fifth Light system pages for additional details and compatibility. (F) Consult Marketplace Options – Lutron system pages for additional details and compatibility. Compatible only with driver series shown, and may require two or more drivers. Requires field commissioning to operate or dim. Contact Lutron at www.lutron.com. (G) Not compatible with GTR, ETRD, or integrated sensor options. (H) Available with UNV voltage only.	

Integrated Sensing Systems | SkyTrim | Packaging | Accessories

Integrated Sensing Systems	SkyTrim [18]	Packaging	Accessories (order separately)
[Blank]=No Sensor **WAA**=WaveLinx Wireless Integrated Sensor [15], [A] **WAB**=WaveLinx Lite Wireless Integrated Sensor [16], [B] **WLA**=Low-voltage Integrated Sensor [17], [C] **SVPD1**=0-10V Stand-alone Integrated Sensor [16], [D]	**TB**=Tahitian Blue **PG**=Primary Green **SO**=Storaro Orange **PL**=Pearl **BR**=Belladonna Rose **MR**=Medium Red **ST**=Straw	**U**=Unit Pack **PALC**=Job Pack, in carton	**T3A END E.Q. BRACKET PARTS BAG** (Standard with fixture) **DF-24W-U**=2' x 4' Drywall Frame Kit **SK-24-WT**=2' x 4' Tall Surface Mount Kit **ISHH-01**=Programming Remote for Integrated Sensor [D] **ISHH-02**=Personal Control Remote for Integrated Sensor [D]
Notes (15) WAA sensor to be used with CD or W2A driver. (16) WAB and SVPD1 sensor to be used with CD driver. (17) WLA sensor to be used with LV driver. Integrated options must be used in conjunction with the associated system and may not be compatible with other options or accessories. Please refer to the following: (A) Consult WaveLinx system pages for additional details and compatibility. (B) WaveLinx Lite devices are not currently compatible with the WaveLinx Wireless Area Controller. Consult WaveLinx Lite system pages for additional details and compatibility. (C) Consult WaveLinx Low-Voltage or DLVP system pages for additional details and compatibility. (D) Consult SVPD series system pages for additional details and compatibility.	**Notes** (18) Fixtures using factory installed SkyTrim option are not DLC qualified.		**Notes** Integrated options must be used in conjunction with the associated system and may not be compatible with other options or accessories. Please refer to the following: (D) For use with SVPD sensor only. Consult SVPD series system pages for additional details and compatibility.

Metalux 24SR LED 2' x 4'

Product Specifications

Construction
- Shallow 4.75" deep housing extruded aluminum frame
- Injected molded composite end plates
- End plates screws for strength, rigidity and gap eliminations
- End plates accessory grid-lock feature adds safety and convenience
- Four auxiliary fixture end suspension points
- Large access plate for supply connection

Controls
- 0-10V dimming to 1% standard
- WaveLinx wireless fixture for sensor-less wireless control
- WaveLinx wireless sensor compatible for standalone, controlled, connected, and IoT capability
- SVPD sensor compatible for standalone functionality
- Low-voltage sensor and driver compatible for WaveLinx Low-Voltage and DLVP applications
- DALI 2.0, Lutron, and step-dimming available

Electrical
- LED's available in 3000K, 3500K, 4000K or 5000K with a minimum CRI of 80
- Color accuracy ≤3-Step MacAdam ellipse (SDCM)
- Projected life is 100,000 hours at 92% lumen output
- Electronic drivers available for 120-277V applications

Emergency Battery Pack Option
- Optional 120V-277V integral emergency battery pack available in 7W
- 90-minute backup period for code compliance
- Test switch with laser pointer allows safe testing from floor
- Patented EZ Key prevents accidental discharge during construction
- Emergency/generated transfer option available (see ordering information for details)

Driver Access
- Drivers can be accessed via plenum

Finish
- High reflectance baked matte white enamel finish for luminous uniformity

Optics
- Precision formed optical assembly
- Positively retained high optical grade acrylic lenses
- WaveStream LED technology provides a distribution

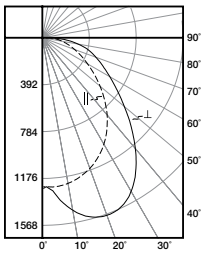
SkyTrim Accessory
- A luminous decorative accent that can be mounted directly on the light guide of a SkyRidge fixture either at the factory or in the field
- Designed for an array of interior applications
- Ideal for spaces where color is necessary to provide visual cues, emphasize brand identity, directional awareness or simply as an artistic expression

Compliance
- Components are UL recognized
- cULus listed for 25° C ambient indoor environments
- RoHS compliant
- Complies with IESNA LM-79
- LEDs compliant with LM-80 standards
- DesignLights Consortium® Qualified and classified for DLC Standard (refer to www.designlights.org)

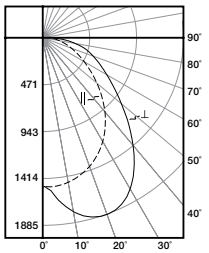
Warranty
- Five-year warranty. Optional ten year warranty available.

Photometric Data

View IES files



24SR-LD2-39-CUNV-L835-CD1-U
Electronic Driver
Linear LED 3500K
Spacing criterion: (II) 1.18 x mounting height, (⊥) 1.52 x mounting height
Lumens: 4197
Input Watts: 31.9W
Efficacy: 131.6 lm/W
Test Report: 24SR-LD2-39-CUNV-L835-CD1-U.IES



24SR-LD2-48-CUNV-L835-CD1-U
Electronic Driver
Linear LED 3500K
Spacing criterion: (II) 1.18 x mounting height, (⊥) 1.52 x mounting height
Lumens: 5045
Input Watts: 38.2W
Efficacy: 132.1 lm/W
Test Report: 24SR-LD2-48-C-UNV-L835-CD1-U.IES

Energy and Performance Data by Catalog Number

Stock or MTO	Catalog Logic (Curved)	Delivered Lumens	Watts	Efficacy (LPW)
MTO	24SR-LD2-29-C-UNV-L830-CD1-U	2982	22.7	131
MTO	24SR-LD2-29-C-UNV-L835-CD1-U	3074	22.7	135
MTO	24SR-LD2-29-C-UNV-L840-CD1-U	3136	22.7	138
MTO	24SR-LD2-29-C-UNV-L850-CD1-U	3413	22.7	150
MTO	24SR-LD2-34-C-UNV-L830-CD1-U	3528	27.2	130
MTO	24SR-LD2-34-C-UNV-L835-CD1-U	3637	27.2	134
MTO	24SR-LD2-34-C-UNV-L840-CD1-U	3710	27.2	136
MTO	24SR-LD2-34-C-UNV-L850-CD1-U	4037	27.2	148
MTO	24SR-LD2-39-C-UNV-L830-CD1-U	4071	31.9	128
Stock	24SR-LD2-39-C-UNV-L835-CD1-U	4197	31.9	132
Stock	24SR-LD2-39-C-UNV-L840-CD1-U	4281	31.9	134
MTO	24SR-LD2-39-C-UNV-L850-CD1-U	4659	31.9	146
MTO	24SR-LD2-45-C-UNV-L830-CD1-U	4596	36.7	125
MTO	24SR-LD2-45-C-UNV-L835-CD1-U	4738	36.7	129
MTO	24SR-LD2-45-C-UNV-L840-CD1-U	4832	36.7	132
MTO	24SR-LD2-45-C-UNV-L850-CD1-U	5258	36.7	143
MTO	24SR-LD2-48-C-UNV-L830-CD1-U	4894	38.2	128
Stock	24SR-LD2-48-C-UNV-L835-CD1-U	5045	38.2	132
Stock	24SR-LD2-48-C-UNV-L840-CD1-U	5146	38.2	135
MTO	24SR-LD2-48-C-UNV-L850-CD1-U	5601	38.2	147
MTO	24SR-LD2-53-C-UNV-L830-CD1-U	5416	43.1	126
MTO	24SR-LD2-53-C-UNV-L835-CD1-U	5584	43.1	130
MTO	24SR-LD2-53-C-UNV-L840-CD1-U	5695	43.1	132
MTO	24SR-LD2-53-C-UNV-L850-CD1-U	6198	43.1	144
MTO	24SR-LD2-59-C-UNV-L830-CD1-U	6026	50.2	120
MTO	24SR-LD2-59-C-UNV-L835-CD1-U	6213	50.2	124
MTO	24SR-LD2-59-C-UNV-L840-CD1-U	6337	50.2	126
MTO	24SR-LD2-59-C-UNV-L850-CD1-U	6896	50.2	137
MTO	24SR-LD2-64-C-UNV-L830-CD1-U	6598	55.5	119
MTO	24SR-LD2-64-C-UNV-L835-CD1-U	6802	55.5	123
MTO	24SR-LD2-64-C-UNV-L840-CD1-U	6938	55.5	125
MTO	24SR-LD2-64-C-UNV-L850-CD1-U	7551	55.5	136

Energy and Performance Data by Catalog Number

Stock or MTO	Catalog Logic (Straight)	Delivered Lumens	Watts	Efficacy (LPW)
MTO	24SR-LD2-29-S-UNV-L830-CD1-U	2952	22.7	130
MTO	24SR-LD2-29-S-UNV-L835-CD1-U	3043	22.7	134
MTO	24SR-LD2-29-S-UNV-L840-CD1-U	3104	22.7	137
MTO	24SR-LD2-29-S-UNV-L850-CD1-U	3377	22.7	149
MTO	24SR-LD2-34-S-UNV-L830-CD1-U	3491	27.2	128
MTO	24SR-LD2-34-S-UNV-L835-CD1-U	3599	27.2	132
MTO	24SR-LD2-34-S-UNV-L840-CD1-U	3672	27.2	135
MTO	24SR-LD2-34-S-UNV-L850-CD1-U	3995	27.2	147
MTO	24SR-LD2-39-S-UNV-L830-CD1-U	4029	31.9	126
MTO	24SR-LD2-39-S-UNV-L835-CD1-U	4154	31.9	130
MTO	24SR-LD2-39-S-UNV-L840-CD1-U	4237	31.9	133
MTO	24SR-LD2-39-S-UNV-L850-CD1-U	4611	31.9	145
MTO	24SR-LD2-45-S-UNV-L830-CD1-U	4548	36.7	124
MTO	24SR-LD2-45-S-UNV-L835-CD1-U	4688	36.7	128
MTO	24SR-LD2-45-S-UNV-L840-CD1-U	4783	36.7	130
MTO	24SR-LD2-45-S-UNV-L850-CD1-U	5205	36.7	142
MTO	24SR-LD2-48-S-UNV-L830-CD1-U	4844	38.2	127
MTO	24SR-LD2-48-S-UNV-L835-CD1-U	4993	38.2	131
MTO	24SR-LD2-48-S-UNV-L840-CD1-U	5093	38.2	133
MTO	24SR-LD2-48-S-UNV-L850-CD1-U	5542	38.2	145
MTO	24SR-LD2-53-S-UNV-L830-CD1-U	5360	43.1	124
MTO	24SR-LD2-53-S-UNV-L835-CD1-U	5526	43.1	128
MTO	24SR-LD2-53-S-UNV-L840-CD1-U	5636	43.1	131
MTO	24SR-LD2-53-S-UNV-L850-CD1-U	6134	43.1	142
MTO	24SR-LD2-59-S-UNV-L830-CD1-U	5964	50.2	119
MTO	24SR-LD2-59-S-UNV-L835-CD1-U	6149	50.2	122
MTO	24SR-LD2-59-S-UNV-L840-CD1-U	6272	50.2	125
MTO	24SR-LD2-59-S-UNV-L850-CD1-U	6825	50.2	136
MTO	24SR-LD2-64-S-UNV-L830-CD1-U	6530	55.5	118
MTO	24SR-LD2-64-S-UNV-L835-CD1-U	6732	55.5	121
MTO	24SR-LD2-64-S-UNV-L840-CD1-U	6866	55.5	124
MTO	24SR-LD2-64-S-UNV-L850-CD1-U	7472	55.5	135

Lumen Maintenance (Non-IC Data)

Ambient Temperature	TM-21 Lumen Maintenance (100,000 hours) (1)	Theoretical L70 (Hours) (2)
25ºC	> 92%	> 448,000

Notes: (1) Supported by IES TM-21 standards. (2) Theoretical values represent estimations commonly used; however, refer to the IES position on LED Product Lifetime Prediction, IES PS-10-18, that explains proper use of IES TM-21 and LM-80.

Shipping Data

Catalog No.	Wt.
24SR-LD2-39	24 lbs.
24SR-LD2-48	24 lbs.

SkyTrim Field Installation Kits

Color Choice	Kit Catalog Number	Kit Quantity
Tahitian Blue	STK-4-TB-10PK	10
Primary Green	STK-4-PG-10PK	10
Storaro Orange	STK-4-SO-10PK	10
Belladonna Rose	STK-4-BR-10PK	10
Medium Red	STK-4-MR-10PK	10
Pearl	STK-4-PL-10PK	10
Straw	STK-4-ST-10PK	10

Note: Chosen color will be matched on acrylic but will appear lighter once applied to lit light guide.

Metalux 24SR LED 2' x 4'

Control Systems

- WaveLinx Wireless
- WaveLinx Wired
- WaveLinx Lite
- DLVP
- VividTune

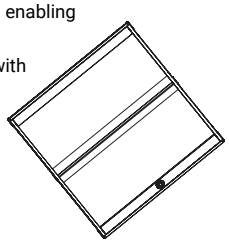
Connected Systems
CLICK HERE

The SkyRidge with Integrated Sensor technology provides automatic energy savings without sacrificing performance. The SkyRidge delivers superior lighting with integrated occupancy and daylighting controls.

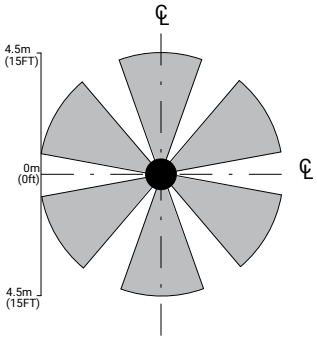
For standalone and controlled applications, the WaveLinx Lite integral sensor provides out-of-the-box functionality with no gateways required and factory startup is not needed.

When more connectivity is required, the WaveLinx Wireless sensor meets modern code and utility requirements, delivers energy and cost savings, while enabling buildings to become smart buildings.

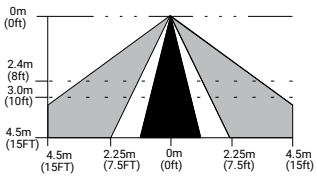
The WaveLinx Wireless Connected Lighting System combined with Trellix provides an open IoT platform and infrastructure that connects intelligent sensors leveraging the real-estate of the physical light fixture to solve higher complexity problems to deliver actionable insights through the aggregation of valuable data.



TOP VIEW:



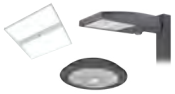
SIDE VIEW:



***Note**: Installation of integrated sensors within 3-ft (1m) of HVAC air vents is not recommended. The pattern shown is intended solely as a general guide and is not to scale.*

Systems comparison chart

Cooper Lighting Solutions provides many lighting system solutions designed to satisfy code requirements and meet the unique needs of any project.



	Standalone	Controlled WaveLinx Lite	Connected WaveLinx Wireless	Enterprise Trellix
Occupancy	Yes	Yes	Yes	Yes
Daylighting	Yes	Yes	Yes	Yes
Gateways	–	–	1 WAC	300 WACs
Devices	–	50 per Area (1400 per site)	150 per WAC	45,000 per Core Enterprise
Software	–	WaveLinx Lite Mobile App	WaveLinx Mobile App	Trellix Core
Areas	–	28 per Site	16 per WAC	up to 4,800
Zones	–	16 per Area	16 per Area	up to 76,800
Scheduling	–	–	Local	Global
VividTune™	–	–	Yes	Yes
Plug-Load Control	–	–	Yes	Yes
Low-Voltage Power	–	–	Yes	Yes
Integration	–	–	–	BACnet, API
Dashboards	–	–	–	Energy, Occupancy
Configuration	–	Installer	Technician	Technician / IT

SCALABILITY

devices → areas → floors → buildings

Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

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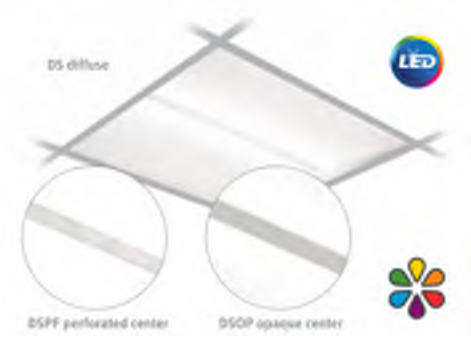
Specifications and dimensions subject to change without notice.

Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALB-018-SI

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:



Item Name	Recessed Troffer Fixture
Item Type	Recessed Box
Description	2x2 Edgelit "FormFlex" Center Blade
Manufacturer	Signify / Day-Brite
Model	FormFlex 2FFXG30L835-2-DSLP-UNV-DIM
Dimensions	24"L x 24"W x 3 5/16"H
Finish	White
CSI #	26 51 00 - Interior Lighting
Omniclass #	22-265100 - Interior Lighting
Dimming Type	0-10V Dimming Driver (1%-100% Dimming)
Trim	White
Mount	Recessed ACT
On Dimming System	Yes
Lens/Shade	High Optical Grade Acrylic Prismatic
Fixture Input (Max. Watts)	26
Lamp Type	LED-I
Lamp Kelvin	3500
Voltage	120-277V
Delivered Lumens (LED) or Mean Lumens (Non-LED)	2950
Lamp CRI	85+
Finish	White
Warranty	5 years
Notes	Efficacy: 113 lm/W Lamp Life / Fixture Life: 100,000 hrs

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

ALTERNATE MANUFACTURER 2

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

AREAS

Fitness Center

ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Day-Brite

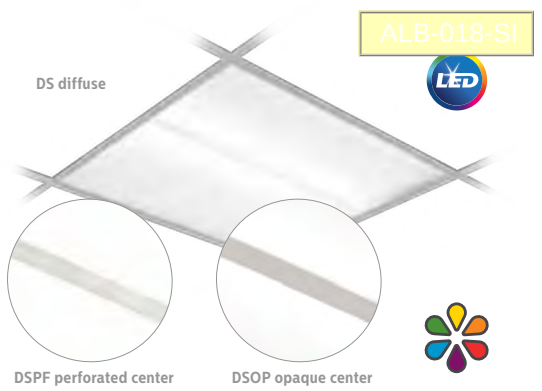
CFI by signify

Recessed

FormFlex 2x2

2FFX up to 4500 lumens

ALB-018-SI



Day-Brite / CFI FormFlex recessed is a fully luminous aperture luminaire offering a diffuse, perforated, opaque, or linear prism center channel accent for unique aesthetic flexibility. FormFlex delivers high performing even illumination and high visual comfort. Its architectural style, coupled with controls options, makes FormFlex an ideal choice for applications such as office, institutional, and healthcare, where energy savings and customized effect are desired.

FormFlex now offers AccuRender technology for the highest color quality at the highest efficacy.

Project:

Location:

Cat.No:

Type:

Lamps: Qty:

Notes:

Ordering guide – standard & wireless controls

Standard configurations available with all choices, unless otherwise noted. Base configurations selections indicated by blue.

example: 2FFXG38L840-2-DS-UNV-DIM-SWZCS

Width	Family	Ceiling Type	Lumens (nominal delivered)	Efficacy	Color	Length	Center Diffuser	Voltage	Driver	Options
2	FFX	G	30L		–	2 –	DSLP –	UNV –	DIM –	
2 2'	**FFX** FormFlex	**G** Grid	**Base configuration** **38B** 3800 **Standard configurations** **30L** 3000 **38L** 3800 **45L** 4500 Other lumen packages may be ordered in increments of 100lm from 3000 to 4500 lumens	**Blank** Standard **H**[5] High	**830** 80 CRI, 3000K **835** 80 CRI, 3500K **840** 80 CRI, 4000K **850** 80 CRI, 5000K **AccuRender**[8,9] **930** 90 CRI, 3000K **935** 90 CRI, 3500K **940** 90 CRI, 4000K	**2** 2'	**DS** Diffuse (smooth) **DSPF** Diffuse perforated **DSOP** Diffuse opaque **DSLP** Diffuse linear prism	**UNV** Universal Voltage, 120-277 volt **347** 347V	**DIM**[1] Dimming **SDIM** Step dimming to 40% input power **LDE** Lutron LDE5, 5% dimming **LDEH** Lutron LDE1, 1% dimming **DALI** DALI dimming	**F1** 3/8" flex, 3 wire 18 gauge 6' **F2** 3/8" flex, 4 wire 18 gauge 6' **F1/D** 3/8" twin flex, 3 wire 18 gauge 6' for dimmable luminaires **F2/5W** 3/8" single flex, 5 wire 18 gauge 6' for dimmable luminaires **F2/6W** 3/8" single flex, 6 wire 18 gauge 6' for dimmable and emergency luminaires **GLR** Fusing, fast blow **BSL10LST**[4] Bodine 10W selftesting battery pack **BSL6LST**[4] Bodine 6W selftesting battery pack **DSC** Quick driver disconnect **CHIC**[3] Chicago Plenum rated **ER100**[4,6,7] UL924 listed sensor bypass relay, factory installed between driver & sensor **GTD/E**[4,6] UL924 listed Bodine GTD factory installed on driver input **GTD/SNSR**[4,6,7] UL924 listed Bodine GTD factory installed between driver and sensor **SWZCS**[2,10] Interact Pro scalable sensor with integral daylight & occupancy sensing, advanced grouping with dwell time **SWZDT**[2] SpaceWise only sensor, daylighting and occupancy, advanced grouping with dwell time **RADIO**[2] Interact Pro RF sensor, enables wireless connected lighting control **IAOSB**[2,10] Interact Office advanced wireless sensor bundle, integral SC1500 w/ IoT capabilities for enterprise scale projects **AG** Antimicrobial Finish **WL** Wet location listed

Ordering guide – PoE controls

example: 2FFXG38L840-2-DS-LV-POE-IAO

Width	Family	Ceiling Type	Lumens (nominal delivered)	Efficacy	Color	Length	Center Diffuser
2	FFX	G			–	2 –	–
2 2'	**FFX** FormFlex	**G** Grid	**Standard configurations** **30L** 3000 **38L** 3800 **45L** 4500	**Blank** Standard	**830** 80 CRI, 3000K **835** 80 CRI, 3500K **840** 80 CRI, 4000K **850** 80 CRI, 5000K	**2** 2'	**DS** Diffuse (smooth) **DSPF** Diffuse perforated **DSOP** Diffuse opaque **DSLP** Diffuse linear prism

Voltage	Driver	Options
LV –	POE –	
LV Low voltage	**POE** Power over ethernet	**EMPOE** 600lm integral emergency driver and battery pack **IAO** Integral Interact Office daylighting and occupancy sensor, enables wireless connected lighting control **IAOSB** Interact Office advanced wired sensor bundle, integral SC2000 w/IoT capabilities for enterprise scale projects

Footnotes

1 Integral controls options dimmable to 5% via wireless wall switch. Non-controls options are 0-10v dimmable to 1% for Standard configurations,and to 10% for Base configurations.
2 Specify only with -DIM driver option.
3 CHIC option not provided with air return functionality.
4 Not available with 347V.
5 High efficacy option may only be ordered with Standard lumen configurations.
6 Must be installed in conjunction with a UL1008 device.
7 Must be ordered with an integral sensing option.
8 AccuRender is 90CRI with R_9>50.
9 Option is qualified as Engineered-to-Order (ETO) ready. Lead times and minimum order quantities may vary, please consult factory.(DLC Standard efficacy only)
10 Must order IRT9015 Interact commissioning remote with each system order.

Accessories (order separately)

- **FSF422 –** 2'x2' surface mount field installation kit (field assembled)
- **FMA22 –** 2'x2' "F" mounting frame for NEMA "F" ceiling
- **FFXDSPF22L –** 2'x2' FormFlex replacement lens w/white perforated channel
- **FFXDSOP22L –** 2'x2' FormFlex replacement lens w/opaque channel
- **FFXDSLP22L –** 2'x2' FormFlex replacement lens w/linear prism channel

SWZCS accessories (order separately)

- **IRT9015 –** handheld remote for grouping and configuration(at least one remote required for any SWZCS installation).
- **UID8451/10 –** Wireless Dimmer Switch Selector
- **UID8461/10 –** Wireless Scene Selector

Not all product variations listed on this page are DLC qualified. To ensure that a specific model is qualified, visit www.designlights.org/search

interact ready.

2FFX FormFlex recessed 2x2

up to 4500 lumens

Application

- Ideal for modern offices, institutional, retail, and healthcare applications.
- Modern architectural styling to complementany space.
- Full width luminous lens provides smooth brightness and high visual comfort.
- Directs a controlled amount of light to higher angles to eliminate "cave effect" without creating glare.
- Available in standard efficacy and high efficacy (H) configurations up to 130lm/W.
- 80 CRI minimum source provides a balanced spectral power distribution.
- AccuRender 90 CRI source provides preferred color quality.
- Suitable for use with NEMA G (15/16") and NFG (9/16") suspended t-grid ceilings. NEMA F flange ceilings require the FMA22 accessory (ordered separately).
- Lens center channel provides aesthetic options that allow for unique visual elements in the space.

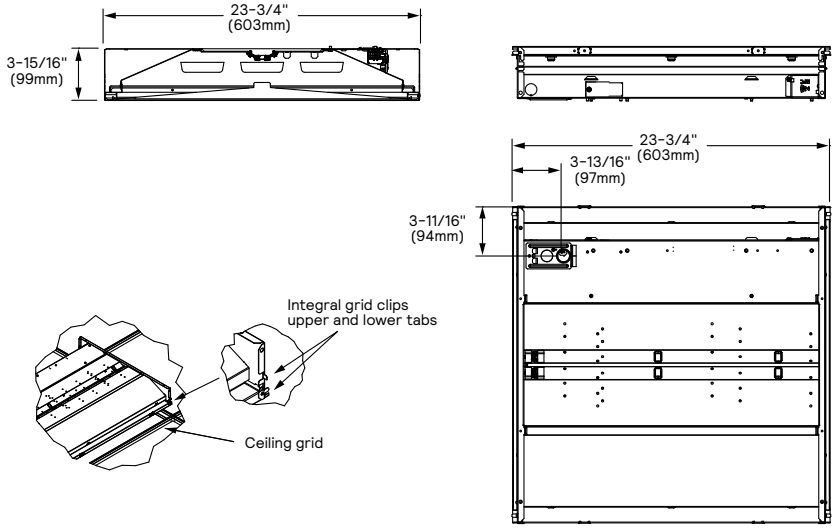
Construction/Finish

- Robust and durable dieformed embossed steel housing and end caps.
- Molded one-piece acrylic diffuser may be removed without tools for access to LED boards and driver(s).
- Unique spring retainers ensure the diffuser is centered in the housing opening at all times.
- T-bar grid clips are built into luminaire end caps for quick and easy installation, no extra parts.

Energy data

Configuration	Nominal CCT/ CRI	Flux (lm)	Input Power (W)	Efficacy (LPW)	DLC
2FFXG38B835	3500K/80	3782	34	111	Standard
2FFXG38B840	4000K/80	3899	34	114	Standard
2FFXG30L835	3500K/80	2950	26	113	Standard
2FFXG30L840	4000K/80	3041	26	117	Standard
2FFXG30LH835	3500K/80	2996	24	125	Standard
2FFXG30LH840	4000K/80	3089	24	131	Premium
2FFXG38L835	3500K/80	3787	34	111	Standard
2FFXG38L840	4000K/80	3904	34	115	Standard
2FFXG38LH835	3500K/80	3780	30	126	Premium
2FFXG38LH840	4000K/80	3897	30	131	Premium
2FFXG45L835	3500K/80	4413	40	110	Standard
2FFXG45L840	4000K/80	4549	40	113	Standard
2FFXG45LH835	3500K/80	4526	36	126	Premium
2FFXG45LH840	4000K/80	4666	36	130	Premium

Dimensions



- Air return functionality is standard for all configurations. See air flow and noise data on page 4.
- Sheetmetal componets are multi-stage phosphate treated for maximum corrosion resistance and finish coat is high reflectance basked white enamel.
- Integral louvers on housing ends allow air from the heated space to return to a pressurized plenum.

Electrical

- Driver and LED board are accessible from below by easy removal of lens.
- Non-controls Base configurations 0-10V dimmable to 10%.
- Non-controls Standard configurations 0-10V dimmable to 1%.
- Standard configurations with controls options dimmable via wireless switches (see below).
- Predicted L70 lumen maintenance up to 87,000 hours at 25°C ambient for all configurations.
- Emergency battery packs accessible from above. To estimate lumen output in emergency mode, multiply emergency pack wattage by luminaire efficacy, then by 1.10.
- The GTD/E option is used to bypass wall switches and allow luminaire operation on auxiliary power. Generator transfer requires installation in conjunction with a UL1008 listed device.
- The GTD/SNSR option is used to bypass integrated sensor control in the event of utility power loss. Generator transfer requires installation in conjunction with a UL1008 listed device.
- Compliance to CAN ICES-005-A/ NEB-005-A and FCC Part 15-A.

Validation

- cETLus listed for use in damp locations
- When ordered with -WL option code, suitable for use in wet locations with covered ceilings
- Rated for direct contact with insulation (IC)
- CCEA Chicago Plenum listed
- FlexForm luminaires are Designlights Consortium® qualified. Please see the DLC QPL list for exact catalog numbers, www.designlights.org/QPL

Environment

- Rated for dry or damp locations in operating ambient temperatures 0-30°C (32-86°F). Many luminaire components, such as reflectors, refractors, lenses, sockets, lampholders, and LEDs are made from various types of plastics which can be adversely affected by airborne contaminants. If sulfur based chemicals, petroleum based products, cleaning solutions, or other contaminants are expected in the intended area of use, consult factory for compatibility.Not suitable for natatorium environments.

Warranty

- 5 year manufacturer's limited warranty.
  Visit signify.com/warranties for complete warranty information.

2FFX FormFlex recessed 2x2

up to 4500 lumens

Wireless Controls Options

SpaceWise DT (SWZDT)

- Standalone daylight and occupancy sensing with advanced grouping, wireless mesh networking and dwell time.
- Commissioning via compatible Android phone and Philips Field App
- Dimming via compatible Zigbee wireless wall switch only (see link below for details)
- Register for the commissioning app at http://registration.componentcloud.philips.com/appregistration/
- Integral sensing options may not be combined
- For more information including recommended switches, refer to the following: –

  SWZDT – www.usa.lighting.philips.com/systems/lighting-systems/spacewise

Emergency Options (ER100)

- Power Sensing (Factory default) – Recommended UL924 option requires unswitched power sense line, absence of voltage on the normal circuit triggers luminaire to 100% output
- Power Interruption Detection (Field option) – Detects AC power interruption >30ms triggers 90 minute emergency mode with luminaire at 100% output

Interact Pro scalable sensor for Foundation, Advanced & Enterprise tiers (SWZCS and an evolution of SpaceWise)

- SWZCS is a connected sensor with integral occupancy and daylight sensing and supports wireless mesh connectivity.
- The sensor works in the Foundation mode (similar to SpaceWise) when configured without a gateway or in an Interact Pro Advanced or Enterprise mode if a compatible gateway is used.
- Interact Pro includes an App, a portal and a broad portfolio of wireless luminaires, lamps and retrofit kits all working on the same system.
- Startup is implemented via Interact Pro App (Android or iPhone) & BlueTooth connectivity. The App provides flexibility to choose between a gateway or non gateway mode for setup.
- Setup with the gateway requires wired internet access to the gateway. It is possible to add a gateway at a later point.
- Prepare project configuration steps remotely and use IRT9015 remote onsite to identify and group devices together.
  - Compatible with:
    - UID8451/10 wireless dimmer switch
    - SWS200 wireless scene switch
    - Battery powered IP42 presence sensor OCC sensor IA CM WH 10/1
    - Battery powered IP42 presence & daylight sensor OCC-DL sensor IA CM IP42 WH
    - Battery powered IP65 presence sensor OCC sensor IA CM IP65 WH
    - Battery powered IP65 presence & daylight sensor OCC-DL sensor IA CM IP65 WH
- For more information on Interact Pro visit: www.interact-lighting.com/interactproscalablesystem

Radio only sensor (RADIO)

- Integral RADIO only sensor simply enables wireless mesh connectivity to the luminaire without any occupancy or daylight sensing.
- Ideal for applications where sensing functionality is managed by other Interact devices and the luminaire only needs to have wireless connectivity.

Interact Pro scalable sensor bundles for Enterprise tier

- IAOSB option in addition to occupancy and daylight sensing supports advanced IoT capabilities such as people estimation analysis, desk level temperature & humidity sensing, noise classification, and BLE beacon.
- Compatible with UID8451/10 wireless dimmer switch, SWS200 wireless scene switch, wireless Occ sensor (OCC SENSOR IA CM IP42 WH 10/1) and wireless Day/Occ sensor (OCC MULTI SENSOR IA CM WH 10/1) and wireless Occupancy or Daylight & Occupancy sensors available.
- Use Interact software and insights to increase building efficiency, achieve building wide integration and optimize space through occupancy analytics.
- Requires compatible Gateway and internet connectivity for commissioning.
- For more information, visit: www.interact-lighting.com/office or www.usa.lighting.philips.com/systems/system-areas/offices

Wired Controls Options

Interact Office Wired (PoE)

- PoE based IoT connected lighting solution for large enterprises that span across multiple floors, buildings and require multiple gateways.
- Use Interact software and insights to increase building efficiency, achieve building wide integration and optimize space through occupancy analytics.
- IAOSB option in addition to occupancy and daylight sensing supports advanced IoT capabilities such as people estimation analysis, desk level temperature & humidity sensing, noise classification, and BLE beacon.
- PoE lighting controller is accessible from below.
- Integral sensor option for occupancy sensing (PIR) and/or daylight harvesting available for additional energy savings.
- Optional integral emergency controller and battery pack provides 600lm nominal output. Test switch and indicator light mounted on side of chassis on one end.
- Emergency battery has a 3 month pre-installed shelf life, and must be stored and installed in environments of 20C to 30C (-4F to 86F) ambient, and 45-85% relative humidity.
- For more information, visit: www.interact-lighting.com/office or www.usa.lighting.philips.com/systems/system-areas/offices

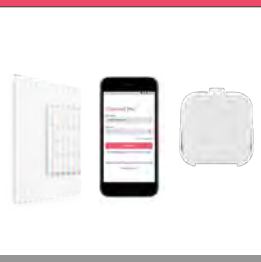
Energy Data (PoE)

Configuration	Nominal CCT/CRI	Flux (lm)	DC Power (W)*	Efficacy (LPW)
2FFXG30L840	4000K/80	3047	24	125
2FFXG38L840	4000K/80	3888	32	122
2FFXG45L840	4000K/80	4612	39	117

*DC power supply

2FFX FormFlex recessed 2x2

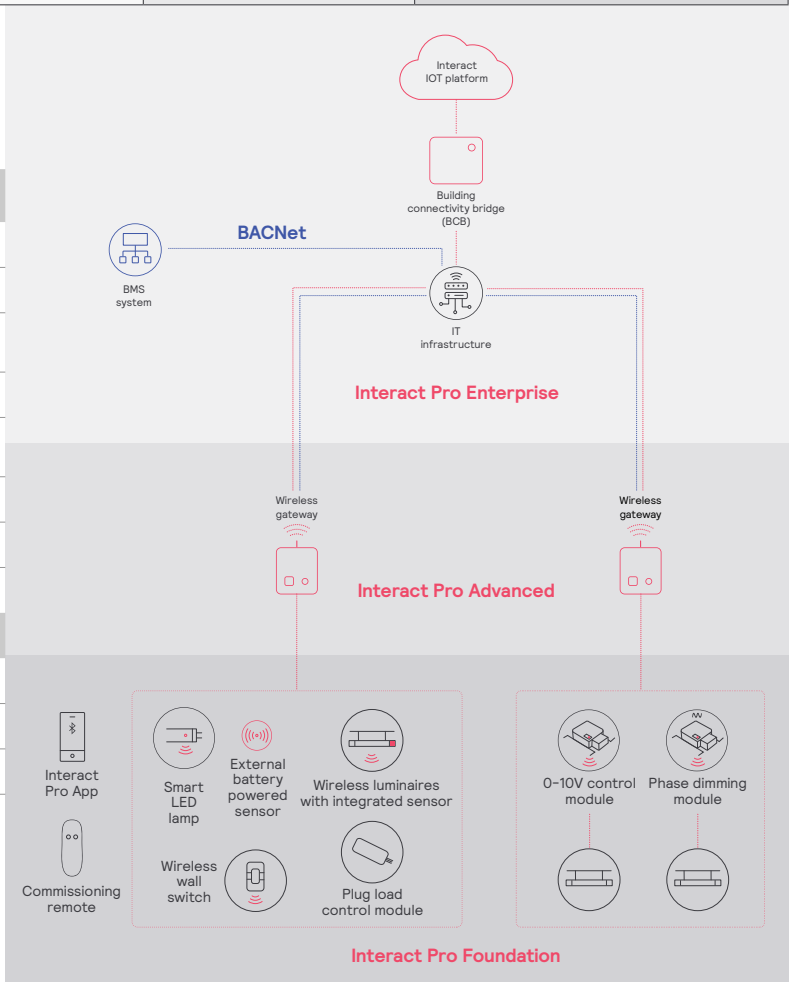
up to 4500 lumens

	Interact Pro scalable system		
			
	Foundation	Advanced	Enterprise
Dimming, grouping, and zoning	✓	✓	✓
Bluetooth and ZigBee enabled	✓	✓	✓
Motion sensing and daylight harvesting	✓	✓	✓
Integration with 0–10V and phase dimming fixtures	✓	✓	✓
Code compliance	✓	✓	✓
Granular dimming and dwell time	✓	✓	✓
Energy reporting and monitoring		✓	✓
Scheduling		✓	✓
Demand response		✓	✓
BMS integration (BACnet)			✓
Floor plan visualization			✓
IoT sensors for wellness			✓
IoT Apps for productivity			✓

Currently supported maximum system size

To be able to design the lighting system correctly for the customer, it is important to know the prime characteristics of the system, its possibilities and limitations.

System level	
Total number of gateways	Unlimited
Total number of devices	200 per network
• luminaires with integrated sensors	150
• smart TLEDS	150
Total number of ZGP devices (sensors and switches)	50
• sensors	30
• switches	50
• zones and groups	64
Group level	
Recommended number of lights	40 (recommended 25)
Number of ZGP devices	5
Number of scenes	16



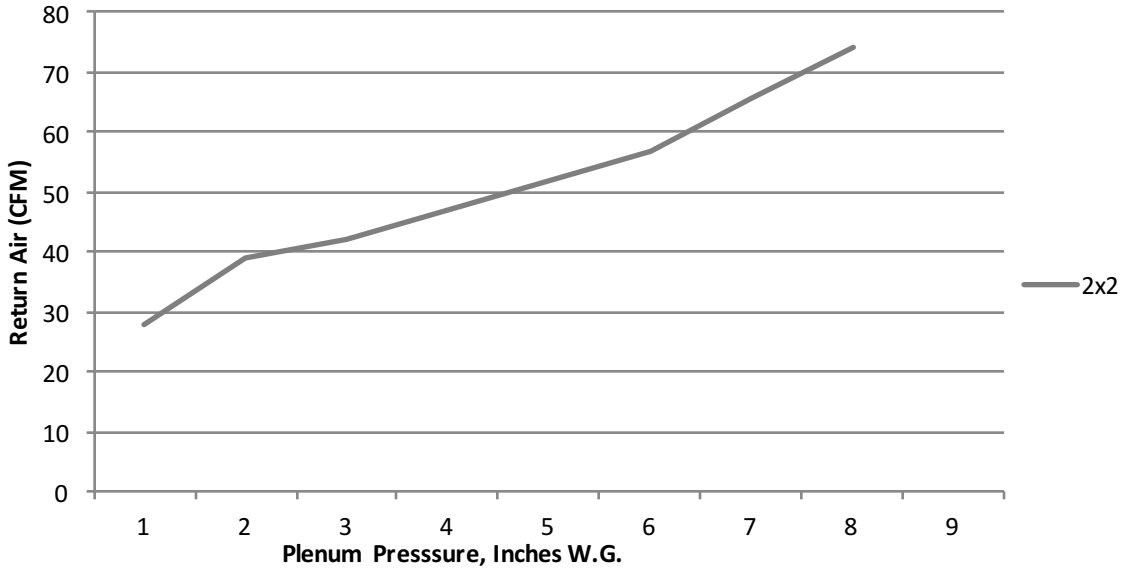
2FFX FormFlex recessed 2x2

up to 4500 lumens

Air return

Integral louvers on housing ends allow air from the heated space to return to a pressurized plenum.

Return Air Data



	2x2 Return Air – noise criteria							
CFM	28	39	42	47	52	57	65.5	74
NC (dB)	<15	26	31	33	38	42	44	46

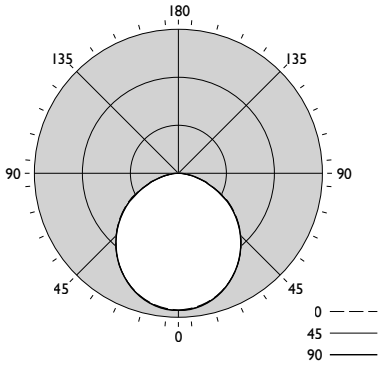
2FFX FormFlex recessed 2x2

up to 4500 lumens

Photometry

2FFXG38B840-2-DS-UNV-DIM

Luminaire Lumens	3900
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	34.3
Spacing Criterion (0-180)	1.23



Candela Distribution						Flux
	0	22.5	45	67.5	90	Lumens
0	1427	1427	1427	1427	1427	
5	1413	1417	1421	1423	1423	135
15	1357	1360	1363	1365	1365	384
25	1250	1251	1252	1252	1252	577
35	1101	1101	1100	1100	1100	688
45	919	918	915	915	914	706
55	714	709	704	703	702	631
65	473	486	464	460	459	461
75	237	236	232	229	230	248
85	52	53	60	61	63	69
90	6	4	7	12	20	

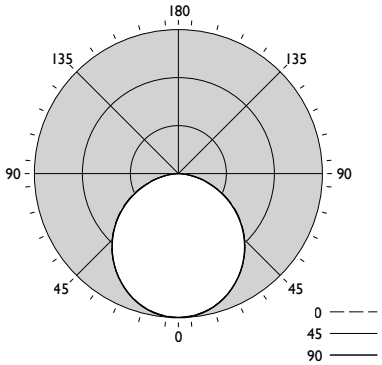
Zonal Lumen Summary			
Zone	Lumens	%Fixture	%Lamp
0-30	1096	28.1%	28.1%
0-40	1784	45.7%	45.7%
0-60	3121	80.0%	80.0%
0-90	3899	100.0%	100.0%
0-180	3900	100.0%	100.0%

Avg. Luminance (cd/m²)			
	0	90	180
0	4686	4686	4686
5	4660	4684	4692
15	4615	4633	4640
25	4529	4536	4539
35	4415	4412	4409
45	4266	4250	4244
55	4087	4030	4018
65	3678	3602	3565
75	3001	2944	2919
85	1971	2254	2370

Coefficients of Utilization %											
Pc---	80				70			50			0
Pw---	70	50	30	10	70	50	30	50	30	10	0
RCR											
0	119	119	119	119	116	116	116	111	111	111	100
1	109	104	100	96	106	102	98	98	94	92	84
2	99	91	84	79	97	89	83	86	80	76	70
3	90	80	72	65	88	78	71	75	69	64	59
4	83	71	62	55	81	70	61	67	60	54	51
5	76	63	54	48	74	62	54	60	53	47	44
6	70	57	48	42	68	56	48	54	47	41	38
7	65	52	43	37	64	51	43	49	42	36	34
8	61	47	39	33	59	47	38	45	38	33	30
9	57	43	35	30	55	43	35	42	34	29	27
10	53	40	32	27	52	40	32	39	32	27	25

2FFXG38L840-2-DS-UNV-DIM

Luminaire Lumens	3905
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	33.9
Spacing Criterion (0-180)	1.24



Candela Distribution						Flux
	0	22.5	45	67.5	90	Lumens
0	1399	1399	1399	1399	1399	
5	1389	1389	1391	1394	1395	132
15	1335	1335	1336	1339	1340	377
25	1231	1230	1231	1232	1232	567
35	1088	1086	1086	1086	1085	679
45	912	910	908	908	907	701
55	711	706	703	702	701	629
65	490	485	479	476	474	475
75	256	256	251	247	263	268
85	58	59	67	66	64	75
90	7	11	9	8	6	

Zonal Lumen Summary			
Zone	Lumens	%Fixture	%Lamp
0-30	1077	27.6%	27.6%
0-40	1756	45.0%	45.0%
0-60	3086	79.0%	79.0%
0-90	3904	100.0%	100.0%
0-180	3905	100.0%	100.0%

Avg. Luminance (cd/m²)			
	0	90	180
0	4495	4495	4495
5	4480	4487	4501
15	4442	4445	4457
25	4365	4364	4368
35	4266	4260	4257
45	4146	4124	4120
55	3984	3936	3927
65	3722	3643	3605
75	3174	3113	3268
85	2135	2452	2348

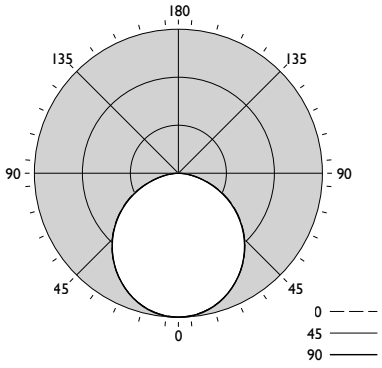
Coefficients of Utilization %											
Pc---	80				70			50			0
Pw---	70	50	30	10	70	50	30	50	30	10	0
RCR											
0	119	119	119	119	116	116	116	111	111	111	100
1	109	104	100	96	106	102	98	97	94	91	84
2	99	91	84	78	96	89	82	85	80	75	70
3	90	80	71	65	88	78	70	75	68	63	59
4	82	70	62	55	80	69	61	67	59	54	50
5	76	63	54	47	74	62	53	60	52	46	43
6	70	57	48	41	68	56	47	54	46	41	38
7	65	51	43	36	63	51	42	49	41	36	33
8	60	47	38	32	59	46	38	45	37	32	30
9	56	43	35	29	55	42	35	41	34	29	27
10	53	40	32	26	52	39	32	38	31	26	24

2FFX FormFlex recessed 2x2

up to 4500 lumens

2FFXG38LH840-2-DS-UNV-DIM

Luminaire Lumens	3898
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	29.8
Spacing Criterion (0-180)	1.24



Candela Distribution						Flux
	0	22.5	45	67.5	90	Lumens
0	1399	1399	1399	1399	1399	
5	1390	1389	1391	1394	1396	132
15	1335	1335	1336	1339	1339	377
25	1231	1229	1229	1230	1231	567
35	1087	1085	1084	1085	1084	679
45	912	909	907	907	906	700
55	710	707	703	701	700	629
65	489	485	479	476	474	475
75	254	253	248	247	245	265
85	57	60	66	66	63	74
90	6	7	10	8	5	

Zonal Lumen Summary			
Zone	Lumens	%Fixture	%Lamp
0-30	1076	27.6%	27.6%
0-40	1754	45.0%	45.0%
0-60	3083	79.1%	79.1%
0-90	3897	100.0%	100.0%
0-180	3898	100.0%	100.0%

Avg. Luminance (cd/m²)			
	0	90	180
0	4496	4496	4496
5	4482	4488	4501
15	4441	4443	4455
25	4363	4359	4364
35	4266	4253	4253
45	4145	4121	4115
55	3976	3937	3924
65	3719	3642	3607
75	3154	3074	3046
85	2095	2418	2311

Coefficients of Utilization %											
Pc---	80				70			50			0
Pw---	70	50	30	10	70	50	30	50	30	10	0
RCR											
0	119	119	119	119	116	116	116	111	111	111	100
1	109	104	100	96	106	102	98	97	94	91	84
2	99	91	84	78	96	89	82	85	80	75	70
3	90	80	71	65	88	78	70	75	68	63	59
4	82	70	62	55	80	69	61	67	59	54	50
5	76	63	54	47	74	62	53	60	52	46	43
6	70	57	48	41	68	56	47	54	46	41	38
7	65	51	43	36	63	51	42	49	41	36	33
8	60	47	38	32	59	46	38	45	37	32	30
9	56	43	35	29	55	42	35	41	34	29	27
10	53	40	32	27	52	39	32	38	31	26	24

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Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALB-019-CL

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Troffer Fixture
Item Type	Recessed Box Troffer Fixture
Description	2' X 2' Recessed Lensed Troffer with A12 Shielding
Manufacturer	Cooper Lighting/Metalux
Model	22GR-LD5-32-FI-UNV-L835- CDI-U
Dimensions	24"L x 24"W x 3.25"H
Finish	White
CSI #	26 51 00 - Interior Lighting
Omniclass #	22-265100 - Interior Lighting
Dimming Type	0-10V
Trim	White
Mount	Recessed ACT
On Dimming System	No
Fixture Input (Max. Watts)	29.9W
Lamp Type	LED-I
Lamp Kelvin	3500K
Voltage	120-277V
Delivered Lumens (LED) or Mean Lumens (Non-LED)	3268
Lamp CRI	85+
Finish	White
Warranty	5 Years
Notes	Efficacy: 109.1 Lamp Life/Fixture Life: 60,000 hrs

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 2

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

ALTERNATE MANUFACTURER 3

AREAS

Employee Areas
Back-of-House Laundry
Storage

ALTERNATE MANUFACTURER 4	

Project		**Catalog #**	22GR-LD5-32-F1-UNV-L835-CD1-U	**Type**	ALB-019-CL
Prepared by	Kathleen Kenny National Accounts	**Notes**	Ph: 678-447-5208 kathleen.kenny@cooperlighting.com	**Date**	

Metalux

22GR LED

2' x 2' LED Troffer
General Recessed LED Troffer
For Use in Insulated Ceilings

Typical Applications
• Office • Schools • Residential • Hospitals
• Retail Merchandising Areas

Interactive Menu

- Order Information page 2
- Photometric Data page 3
- Control Systems page 4
- VividTune™ Color Tuning Solutions page 5
- Product Warranty

Product Certification

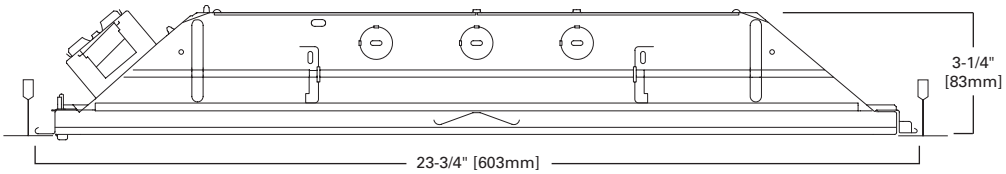
Product Features

Connected Systems
Bluetooth
VividTune
MWS MODULAR WIRING SYSTEM CLICK HERE
LINEAR DISCONNECT Safe and convenient means of disconnecting power
Rapid Response CLICK HERE

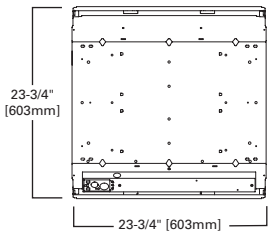
Top Product Features

- Available in 2' x 4', 2' x 2' and 1' x 4'
- Multiple lumen packages up to 18,000 in 2x4 and 9,000 in 2x2
- Up to 140 lm/W for maximum energy savings versus fluorescent troffers
- Correlated Color Temperatures 3000K, 3500K, 4000K and 5000K at 80 and 90 CRI
- Standard 0-10V continuous dimming driver

Dimensional and Mounting Details

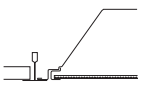


Mounting Data

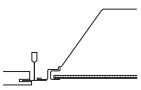


Ceiling Compatibility

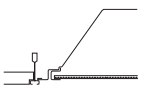
G
Grid/Lay-in
Standard



G
Concealed T



G
Slot Grid

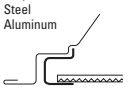


Ceiling Type	Trim Type
Exposed Grid	G
Concealed T	G
Slot Grid	G

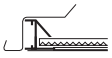
(Verify compatibility/ consult factory.)

Door Frames

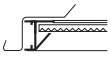
GR
Flat, White Steel Aluminum



GRFA
Flat, Extruded White Aluminum



GRRA
Deep, Regressed, Extruded Natural



Metalux 22GR LED

Order Information

SAMPLE ORDER NUMBER: **22GR-LD5-27-F1-UNV-L835-CD1-U**

Rating	Width / Length	Trim Type	Series	Door Frame	LED Type	LED Lumen Output	Shielding
[Blank]=Standard **ATW-SW4**=Chicago Rated	**22**=2' x 2'	**G**=Grid/Lay-in (Standard) (1) ~~**C**=Concealed T~~ **G**=Slot Grid	**R**=General Purpose Troffer	**Standard**=Flat White Steel Door (Leave Blank) **FA**=Flush White Extruded Aluminum c/w Spring Latch **RA**=Regressed White Extruded Aluminum **FAN**=Flush Natural Anodized Extruded Aluminum **RAN**=Regressed Natural Anodized Extruded Aluminum **FAB**=Flush Black Extruded Aluminum **RAB**=Regressed Black Extruded Aluminum	**LD5**=LED 5.0	**20**=2000 (5) **24**=2400 (5) **28**=2800 **32**=3200 **36**=3600 **40**=4000 **43**=4300 **50**=5000 (4) **60**=6000 (4) **70**=7000 (4), (5) **85**=8500 (4), (5) **90**=9000 (4), (5)	**F1**=A12 .095 HP (Standard) ~~**F125**=A12 .125 HP~~ **A**=A12 .095 **A125**=A12 .125 **A19/156**=#19 Pattern Acrylic (.156" Thick) (6) **FGW080**=Frosted Glazed Lens .080 **A/WG**=Prismatic Acrylic Lens, Wireguard & Doorframe **F1/WG**=Frosted Prismatic Acrylic Lens, Wireguard & Doorframe
		Notes (1) An EQ Grid Clip is recommended for all 9/16" ceiling systems.	**Notes** (2) DesignLights Consortium® Qualified and classified for DLC Standard, refer to www.designlights.org for details.			**Notes** (3) Nominal lumen output. See table for actual values. (4) White tuning not available with this model. (5) Not compatible with WN driver.	**Notes** (6) A19/156 lens creates holographic effect on the surface of the lens.

Voltage	Options	Emergency	CCT	Factory Wiring	Driver Type
~~**347V**=347 Volt~~ (9) **UNV**=Universal Voltage 120-277 (8) ~~**48V**=48 Volt Low-voltage (Class 2)~~ (C) **120V**=120 Volt (10) **277V**=277 Volt (10)	**GL**=Single Element Fuse **GM**=Double Element Fuse	**EL7W**=7-watt, 120V-277V emergency battery pack installed (11) **EL14W**=14-watt 120V-277V emergency battery pack installed (11) **ELV7W**=Low-voltage system, 7-watt emergency battery pack (C) **ELV14W**=Low-voltage system, 14-watt emergency battery pack (C) **GTR2**=Bodine Generator Transfer Relay (12), (13) **ETRD**=Iota Emergency Transfer Relay with dimming control (12)	**L830**=80CRI, 3000K **L835**=80CRI, 3500K ~~**L840**=80CRI, 4000K~~ **L850**=80CRI, 5000K **L930**=90CRI, 3000K **L935**=90CRI, 3500K **L940**=90CRI, 4000K **L950**=90CRI, 5000K **L83050**=80CRI 3000K-5000K White Tuning (14) **L93050**=90CRI 3000K-5000K White Tuning (14) **L82765**=80CRI 2700K-6500K White Tuning (14) **L92765**=90CRI 2700K-6500K White Tuning (14)	**A3/8-4/18GDIM**=3/8" Flex with 0-10V Dimming Leads Multiple other configurations available. See below for details. **A3/8-5/18GDIM**=Flex with 0-10V Dimming leads and Blue for alternate wiring. See below for details.	**CD**=0-10V Dimming Driver (10%-100% Dimming) ~~**HCD**=0-10V Dimming Driver (1%-100% Dimming)~~ **WN**=WaveLinx Wireless Fixture, No Sensor. (A), (G), (H) **5LTD**=Fifth Light DALI Driver (10%-100% Dimming) (15), (E) **5LTHD**=Fifth Light Dimming Driver (1%-100% Dimming) (E) **LV**=Low-voltage System Dimming Driver (0%-100% Dimming) (C) **SD**=Step Dimming Driver (50% or 100% Dimming) (15) **LH**=Lutron HiLume (LDE1 series) 1%-100% EcoSystem Driver with Soft-on Fade to Black dimming (F) **L5**=Lutron 5 Series (LDE5-Series) 5%-100% EcoSystem Driver (F) **W2A**=White Tuning, 2 ch, Intensity and CCT Control (16) **SR**=Sensor-ready Dimming Driver (1%-100% Dimming)
Notes (7) Products also available in non-US voltages and frequencies for international markets. (8) Not available when specifying emergencies, voltage must be specific. (9) 347V is not available with the W2A driver. (10) Must specify voltage as 120V or 277V when ordering GTR2 option. (C) Consult WaveLinx Low-Voltage or DLVP system pages for additional details and compatibility.		**Notes** (11) With integral test switch/indicator/ laser test. For approximate delivered lumens multiply the lumens per watt of the desired fixture by the wattage of the emergency battery pack (100 lm/W x 7=700 lumens). IES-format photometry for luminaire under emergency operation available. (12) Used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others). GTR2 option includes 2 relays on fixtures with dimming drivers. ETRD option only requires one relay when used on a dimming fixture. (13) Must specify voltage as 120V or 277V when ordering GTR2 option. (C) Consult WaveLinx Low-Voltage or DLVP system pages for additional details and compatibility.	**Notes** (14) White tuning provides correlated color temperatures (CCT) between 3000K (warm) to 5000K (cool) or 2700K (warm) to 6500K (cool). Must be used in conjunction with W2A.	**Flexible Metal Conduit Options** Flex options available for 0-10V dimming control, DALI dimming control, emergency and night light functions. 72-inch factory-installed and pre-wired to driver, fitted to luminaire housing access plate with 90° enclosed FMC connector. Not all options may be combined and installation ratings vary by type. **A3/8-4/18GDIM series notes:** Factory installed dimming option 3/8" flexible metal conduit with 2-#18 power and ground wires and 2-#18 UL-listed jacketed 0-10V +/- control wires. Meets UL 66, 83, 1479, 1569, 1581, 2556. NEC® 250.118, 300.22(C), 392, 396, 330, 501, 502, 503, 530, 504, 505, 518, 520, 530, 645, 72; Federal Specification A-A-59544 (formerly J-C-30B); all applicable OSHA and HUD Requirements. UL Classified 1-, 2-, and 3-hour through penetration with applicable fire stop product (not included). May be surface mounted, fished and/or embedded in plaster. Cable tray and approved raceway rated, install per NEC®; Environmental Air-Handling Space Installation per NEC® 300.22(C).	**Notes** (15) Step Dim (Bi Level) and DALI only available in 3600 lumen and above. (16) White tuning provides correlated color temperatures (CCT) between 3000K (warm) to 5000K (cool) or 2700K (warm) to 6500K (cool). Must be used in conjunction with W2A. Integrated options must be used in conjunction with the associated system and may not be compatible with other options or accessories. Please refer to the following: (A) Consult WaveLinx system pages for additional details and compatibility. (C) Consult WaveLinx Low-Voltage or DLVP system pages for additional details and compatibility. (E) Consult Fifth Light system pages for additional details and compatibility. (F) Consult Marketplace Options - Lutron system pages for additional details and compatibility. Compatible only with driver series shown, and may require two or more drivers. Requires field commissioning to operate or dim. Contact Lutron at www.lutron.com. (G) Not compatible with GTR, ETRD, or integrated sensor options. (H) Available with UNV voltage only.

Number of Drivers	Options	Integrated Sensing Systems	Packaging	Accessories
1=1 Driver ~~**2**=2 Drivers~~	**PAF**=Painted After Fabrication **G1**=Gasket, Door Frame and Housing **G2**=G1 plus Gasket between Lens and Door **G3**=G1 and G2 plus Gasketing on Mounting Surface of Fixture Trims (17), (18)	**[Blank]**=No Sensor **WAA**=WaveLinx Wireless Integrated Sensor (18), (A) **WAB**=WaveLinx Lite Wireless Integrated Sensor (19), (B) **WLA**=Low-voltage Integrated Sensor (20), (C) **SVPD1**=0-10V Stand-alone Integrated Sensor (19), (D)	**U**=Unit Pack ~~**PAL**=Job Pack, out of carton~~ **PALC**=Job Pack, in carton	**EQ-CLIP-U**=T-BAR Safety Earthquake Clips (19) **DF-22W-U**=2' x 2' Drywall Frame Kit **SK-22-WS**=2' x 2' Shallow Surface Mount Kit **SK-22-WT**=2' x 2' Tall Surface Mount Kit **ISHH-01**=Programming Remote for Integrated Sensor (D) **ISHH-02**=Personal Control Remote for Integrated Sensor (D)
	Notes (17) Gasketing only available with aluminum door frame. (18) Gasketing minimum .125.	**Notes** (18) WAA sensor to be used with CD or W2A driver. (19) WAB and SVPD1 sensor to be used with CD driver. (20) WLA sensor to be used with LV driver. Integrated options must be used in conjunction with the associated system and may not be compatible with other options or accessories. Please refer to the following: (A) Consult WaveLinx system pages for additional details and compatibility. (B) WaveLinx Lite devices are not currently compatible with the WaveLinx Wireless Area Controller. Consult WaveLinx Lite system pages for additional details and compatibility. (C) Consult WaveLinx Low-Voltage or DLVP system pages for additional details and compatibility. (D) Consult SVPD series system pages for additional details and compatibility.		**Notes** (19) An EQ Grid Clip is recommended for all 9/16" ceiling systems. (D) For use with SVPD sensor only. Consult SVPD series system pages for additional details and compatibility.

Metalux 22GR LED

Product Specifications

Construction
- Rigid housing is die formed of code gauge prime cold rolled steel
- Full length die-formed stiffeners and unibody endplate for added strength
- Innovative design provides superior lens brightness, uniformity and visual comfort
- Unibody endplates are securely attached with interlocking tabs and screws
- Four auxiliary fixture end suspension points provided
- Endplates have integral Grid-lock feature for safety and convenience

Controls
- Standard with 0-10V dimming driver (10% standard, 1% optional)
- WaveLinx wireless fixture for sensor-less wireless control
- WaveLinx wireless sensor compatible for standalone, controlled, connected, and IoT capability
- SVPD sensor compatible for standalone functionality
- Low-voltage sensor and driver compatible for WaveLinx Low-Voltage and DLVP applications
- DALI 2.0, Lutron, and step-dimming available

Electrical
- TM-21 life at 60,000 hours up to L88 and calculated L70 exceeds 162,000 hrs.
- Available in 3000K, 3500K, 4000K or 5000K with a minimum of 80 CRI
- Color accuracy ≤3-Step MacAdam ellipse (SDCM)
- Drivers available in 120-277V and 347V
- Tunable white options available with Cooper Lighting Solutions' VividTune

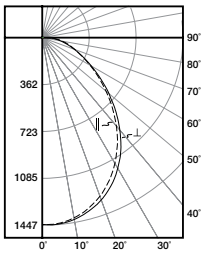
Emergency Battery Pack Option
- Optional 120V-277V integral emergency battery pack available in 7-watts, 14-watts
- 90-minute batteries provide constant power to the LED system
- Test switch/indicator button can be tested safely from the ground using a laser pointer
- Emergency/generator transfer options available

Frame/Optical Shielding
- Die formed, flat steel door with frosted #12 pattern acrylic prismatic lens
- Primary stocking skus come standard with robust .095 lens
- Other options available for maximum versatility

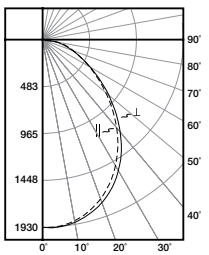
Compliance
- IC rated for insulation contact
- cULus listed for damp locations
- RoHS compliant
- Tested to IESNA LM-79 and LM-80
- Stated life per TM21 standards
- Can be used for State of California Title 24 high efficacy luminaire

Photometric Data

View IES files



22GR-LD5-32-F1UNV-L835-CD1-U
Electronic Driver
Linear LED 3500K
Spacing criterion: (II) 1.14 x mounting height, (⊥) 1.18 x mounting height
Lumens: 3268
Input Watts: 29.9W
Efficacy: 109.1 lm/W
Test Report: 22GRLD5-32-F1-UNVL835-CD1-U.IES



22GR-LD5-43-F1UNV-L835-CD1-U
Electronic Driver
Linear LED 3500K
Spacing criterion: (II) 1.14 x mounting height, (⊥) 1.18 x mounting height
Lumens: 4360
Input Watts: 40.1W
Efficacy: 108.7 lm/W
Test Report: 22GR-LD5-43-F1UNV-L835-CD1-U. IES

Energy and Performance Data

Stock or MTO	Catalog Logic (Rectilinear Shielding)	Delivered Lumens	Watts	Efficacy (lm/W)
MTO	22GR-LD5-20-F1-UNV-L835-CD1-U	2068	16.1	128
Stock	22GR-LD5-24-F1-UNV-L835-CD1-U	2459	19.2	128
MTO	22GR-LD5-28-F1-UNV-L835-CD1-U	2898	22.9	126
Stock	22GR-LD5-32-F1-UNV-L835-CD1-U	3268	29.9	109
MTO	22GR-LD5-36-F1-UNV-L835-CD1-U	3642	34.5	105
MTO	22GR-LD5-40-F1-UNV-L835-CD1-U	4098	38.8	106
Stock	22GR-LD5-43-F1-UNV-L835-CD1-U	4360	40.1	109
MTO	22GR-LD5-50-F1-UNV-L835-CD1-U	4929	40.4	122
MTO	22GR-LD5-60-F1-UNV-L835-CD1-U	5931	49.6	120
MTO	22GR-LD5-70-F1-UNV-L835-CD1-U	6991	64.2	109
MTO	22GR-LD5-85-F1-UNV-L835-CD1-U	8554	81.1	106
MTO	22GR-LD5-90-F1-UNV-L835-CD1-U	8991	86.0	105

Lumen Maintenance

Ambient Temperature	TM-21 Lumen Maintenance (60,000 hours)	Theoretical L70 (Hours)
25°C	> 88%	> 162,000

Lens Table

Approximate Lumen Multiplier	
F1	1.0
F125	1.0
A125	1.01
A	1.01
A19/156	.975
FGW080	.85

CCT Table

Approximate Color Temperature Multiplier	
5000K	1.016
4000K	1.016
3500K	1.0
3000K	.982
2700K	.930

Shipping Data

Catalog No.	Wt.	Pallet
22GR-LD5-32	10 lbs.	56

Control Systems

- WaveLinx Wireless
- WaveLinx Wired
- WaveLinx Lite
- DLVP
- VividTune

Connected Systems
CLICK HERE

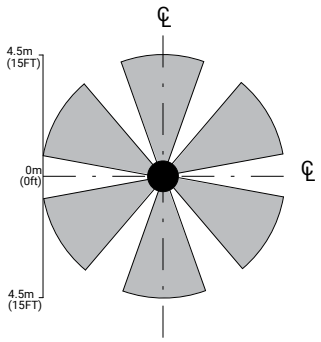
The GRLED with Integrated Sensor technology provides automatic energy savings without sacrificing performance. The GRLED delivers superior lighting with integrated occupancy and daylighting controls.

For standalone and controlled applications, the WaveLinx Lite integral sensor provides out-of-the-box functionality with no gateways required and factory startup is not needed.

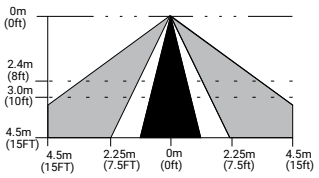
When more connectivity is required, the WaveLinx Wireless sensor meets modern code and utility requirements, delivers energy and cost savings, while enabling buildings to become smart buildings.

The WaveLinx Wireless Connected Lighting System combined with Trellix provides an open IoT platform and infrastructure that connects intelligent sensors leveraging the real-estate of the physical light fixture to solve higher complexity problems to deliver actionable insights through the aggregation of valuable data.

TOP VIEW:



SIDE VIEW:



***Note**: Installation of integrated sensors within 3-ft (1m) of HVAC air vents is not recommended. The pattern shown is intended solely as a general guide and is not to scale.*

Systems comparison chart

Cooper Lighting Solutions provides many lighting system solutions designed to satisfy code requirements and meet the unique needs of any project.

	Standalone	Controlled WaveLinx Lite	Connected WaveLinx Wireless	Enterprise Trellix
Occupancy	Yes	Yes	Yes	Yes
Daylighting	Yes	Yes	Yes	Yes
Gateways	–	–	1 WAC	300 WACs
Devices	–	50 per Area (1400 per site)	150 per WAC	45,000 per Core Enterprise
Software	–	WaveLinx Lite Mobile App	WaveLinx Mobile App	Trellix Core
Areas	–	28 per Site	16 per WAC	up to 4,800
Zones	–	16 per Area	16 per Area	up to 76,800
Scheduling	–	–	Local	Global
VividTune™	–	–	Yes	Yes
Plug-Load Control	–	–	Yes	Yes
Low-Voltage Power	–	–	Yes	Yes
Integration	–	–	–	BACnet, API
Dashboards	–	–	–	Energy, Occupancy
Configuration	–	Installer	Technician	Technician / IT

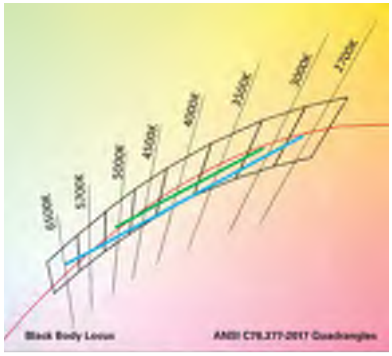
SCALABILITY

devices → areas → floors → buildings

VividTune™
color tuning solutions

22GR LED with VividTune Tunable White

VividTune tunable white luminaires from Cooper Lighting Solutions deliver high-quality light in a broad range of continuously variable color temperatures and intensities. Create a dynamic environment by adjusting the ambient light warmer or cooler to influence mood, support the task at hand, or create a dramatic ambience. The ability to control correlated color temperature and intensity separately using simple controls is the next evolution of LED lighting for the commercial, educational, healthcare and hospitality space. The unparalleled flexibility and number of available lighting environments enable users to find the right light with tunable white.



3000K - 5000K
2700K - 6500K

Performance Data*

Tunable White - Lumen Adjustment Factors (example only)

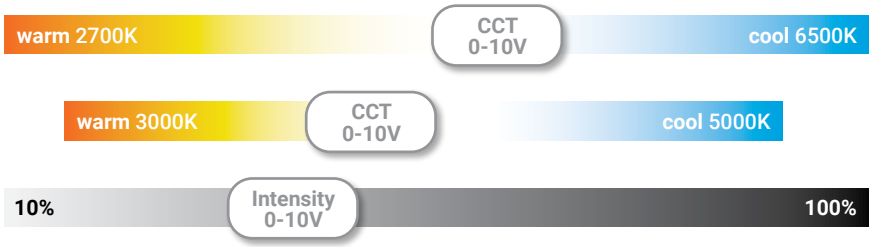
CCT	3000K-5000K		2700K-6500K	
	80 CRI	90 CRI	80 CRI	90 CRI
2700K	-	-	0.905	0.773
3000K	0.932	0.767	0.931	0.804
3500K	0.986	0.838	0.964	0.844
4000K	1.036	0.905	0.984	0.871
4500K	1.045	0.921	1.002	0.894
5000K	1.045	0.921	1.016	0.911
6500K	-	-	1.031	0.936

2' x 2' GRLED - Example of Approximate Lumen Calculation

CCT Setting	Standard Catalog #	VividTune 80 CRI Catalog #	VividTune 90 CRI Catalog #
	22GR-LD5-32-F1-UNV-L835-CD1-U	22GR-LD5-32-F1-UNV-L83050-W2A1-U	22GR-LD5-32-F1-UNV-L93050-W2A1-U
3000K	-	3046	2507
3500K	3268	3223	2740
4000K	-	3384	2959
4500K	-	3416	3010
5000K	-	3416	3010

Controlling VividTune Tunable White

VividTune luminaires make tunable white more accessible by using simple and familiar controls. From wall dimmers to wireless controls, VividTune tunable white luminaires are compatible with industry standard 0-10V dimming controls. A single 0-10V dimming input is used to control intensity (brightness) while a second 0-10V dimming input is used to adjust CCT. For suggested control configurations, go to www.cooperlighting.com for tunable white application guides.



Example of Lumen Adjustment Calculation

22GR-LD5-32-F1-UNV-L83050-W2A1-U at 80 CRI tuned to 3500K

Adjusted Lumen = published lm x adjusted lm factor

Adjusted Lumen = 3268 x 0.986

Adjusted Lumen = 3223 lm

** Lumen adjustment factors are for reference and may be different for each product selected. Refer to IES files for actual performance data on each.*

Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

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Specifications and dimensions subject to change without notice.

Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALB-019-SI

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Troffer Fixture
Item Type	Recessed Box Troffer Fixture
Description	T-GRID 2' X 2' Recessed Troffer
Manufacturer	Signify / Day-Brite
Model	2TG38L835-2-FS-02F-UNV-DIM
Dimensions	24"L x 24"W x 3"H
Finish	White
CSI #	26 51 00 - Interior Lighting
Omniclass #	22-265100 - Interior Lighting
Dimming Type	0-10V
Trim	White
Mount	Recessed ACT
On Dimming System	No
Lens/Shade	Acrylic Prismatic Frosted Lens
Fixture Input (Max. Watts)	51W
Lamp Type	LED-I
Lamp Kelvin	3500K
Voltage	120-277V
Delivered Lumens (LED) or Mean Lumens (Non-LED)	4551
Lamp CRI	80
Finish	White
Warranty	5 Years
Notes	Efficacy: 89 Lamp Life/Fixture Life: 50,000 hrs

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

ALTERNATE MANUFACTURER 2

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

AREAS

Employee Areas
Back-of-House Laundry
Storage

ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Day-Brite CFI by signify

Recessed

T-Grid LED troffer 2x2

2000, 3000, 3800 or 4500 lumens

Project:

Location:

Cat.No:

Type:

Lamps: Qty:

Notes:

Day-Brite / CFI T-Grid LED troffer is an energy efficient low profile luminaire offering excellent performance for general lighting applications such as offices, schools, healthcare, or retail. Featuring a frosted prismatic lens to enhance visual comfort, the T-Grid LED Troffer utilizes highly reliable and efficient Philips LED platform boards and dimmable driver, enabling market leading efficiency in its category.

Ordering guide

Example: 2TG30L840-2-FS-02F-UNV-DIM

Width	Family	Ceiling Type	Lumen Package	Color Temp.	Length	Door Frame	Lens	Voltage	Driver	Options
2	T	G	38L	835 –	2 –	FS –	02F –	UNV –	DIM –	
2 2'	**T** T-Grid LED troffer	**G** Grid	**20L** 2000 nominal delivered lumens **30L** 3000 nominal delivered lumens **38L** 3800 nominal delivered lumens **45L** 4500 nominal delivered lumens	**830** 80 CRI, 3000K **835** 80 CRI, 3500K **840** 80 CRI, 4000K **850** 80 CRI, 5000K	**2** 2'	**FS** Flat Steel **FA** Flat Aluminum **RA** Regressed Aluminum	**02F** Pattern 12, .100" nominal diffuse 50% **12F** DB 12 .125" nominal diffuse 50% **19F** DB 19 .156" nominal diffuse 50%	**UNV** Universal Voltage 120-277V **347** 347V	**DIM** 0-10V dimming **SDIM** Step dimming to 40% input power	**F1** 3/8" flex, 3 wire, 18 gauge 6' **F2** 3/8" flex, 4 wire, 18 gauge 6' **F1/D** 3/8" twin flex, 3 wire, 18 gauge 6', for dimmable luminaires **F2/5W** 3/8" single flex, 5 wire, 18 gauge 6', for dimmable luminaires **EMLED**[1] Integral emergency battery pack **1W** 1-way gasket between lens & door frame (not avail. for RA door frame) **2W** 1-way & gasket between door frame & housing **3W** 2-way & gasket betweem housing & ceiling (field installed) **GLR** Fusing, fast blow **CHIC** Chicago Plenum rated **DSC** Quick driver disconnect

Footnotes

1 Emergency pack mounted in enclosure on top of fixture housing. Delivers 1100 nominal lumens in DC mode.

Accessories (order separately)

- **FMA22** – 2'x2' "F" mounting frame for NEMA "F" mounting
- **FKTG822** – Flange conversion kit, 2'x2'

2TG T-Grid LED troffer 2x2

2000, 3000, 3800 or 4500 lumens

Application

- High efficacy long life solid state lighting platform.
- General lighting distribution is excellent for ambient lighting.
- High CRI source provides excellent color rendering.
- LEDs are an excellent source for use with controls since frequent switching does not affect the life of the light source.

Construction/finish

- A quality low-profile troffer with specification features for NEMA “G” grid, NEMA “NFG” narrow face grid, NEMA “GR” grid regressed, or NEMA “F” flange ceiling types.
- 3" nominal housing depth, 3-3/16" maximum depth.
- Smooth rolled edges on all four sides for easy handling.
- Die-formed one piece housing includes stiffening embosses and provides increased rigidity.
- Housing is multi-stage phosphate treated for maximum corrosion
resistance and finish coat is high reflectance baked white enamel.
- Integral baffling system to prevent light leaks.
- 2 sets of integral grid clips (wraparound and fold-out) for maximum mounting flexibility.
- Integral wire hanger holes for independent wire suspension.
- Embosses with holes provided in housing end for screwing to T-bar if desired.
- 7/8" K.O.’s provided in each end cap for through wiring.
- Factory installed access plate in housing top includes 7/8" hole with rolled edge and 7/8" K.O.
- Carton includes integral carrying handle for easy handling.

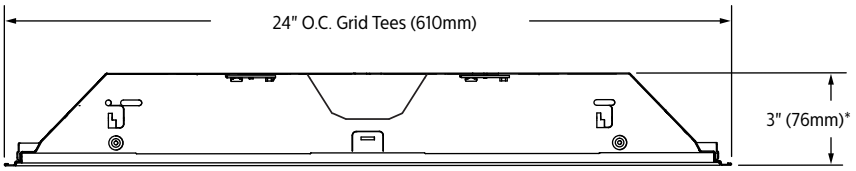
Electrical

- Standard 0–10V dimming.
- Driver and LED boards are accessible from below. LED boards are individually replaceable if required.
- Five-year luminaire limited warranty including LED boards and driver. Visit www.philips.com/warranties for complete warranty information.
- High efficiency LEDs have 50,000 hour rated life (defined by testing at 70% lumen maintenance (L70)), based on 25˚C ambient operating temperature.
- cETLus listed to UL and CSA standards, suitable for damp location.
- T-Grid LED luminaires are DesignLights Consortium® qualified. Please see the DLC QPL list for exact catalog numbers (http://www.designlights.org/QPL).
- Many luminaire components, such as reflectors, refractors, lenses, sockets, lampholders, and LEDs are made from various types of plastics which can be adversely affected by airborne contaminants. If sulfur based chemicals, petroleum based products, cleaning solutions, or other contaminants are expected in the intended area of use, consult factory for compatibility.

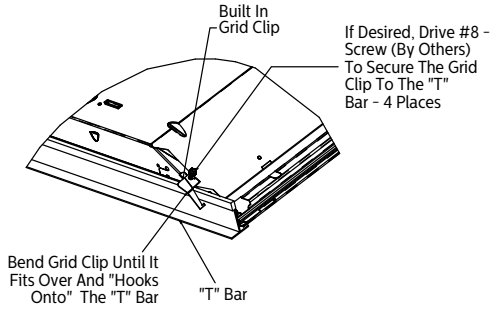
Enclosure

- Full “C” channel door frames for improved lens support and reduced shipping damage.
- Flat steel door frame features smooth rolled edges inside and outside.
- All door frames have mitered corners.
- All door frames use T-hinges and can be hinged and latched from either side.
- Opposable spring loaded latches are standard for easy operation and consistent retention.

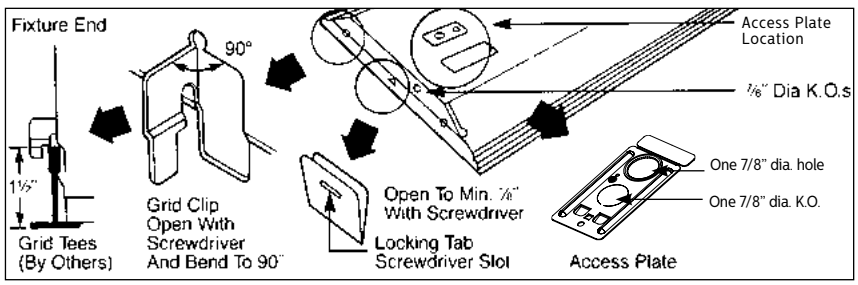
Dimensions



*EMLED option adds 1-3/4" to overall height



Wraparound Grid Clips



Fold-Out Grid Clips

2TG T-Grid LED troffer 2x2

2000, 3000, 3800 or 4500 lumens

Photometry

2x2 T-Grid LED troffer, 2000 nominal delivered lumens — LER – 99

Catalog No.	2TG20L840-2-FS-02F-UNV
Test No.	32630
S/MH	1.2
Source	LED
Lumens/Lamp	2287
Input Watts	23

Comparative yearly lighting energy cost per 1000 lumens – **$2.42** based on 3000 hrs. and $.08 pwr KWH. Actual rates and usage may vary.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Candlepower

Angle	End	45	Cross
0	983	983	983
5	978	978	979
15	933	935	937
25	844	849	856
35	703	709	709
45	526	532	549
55	344	345	359
65	202	195	211
75	112	109	127
85	42	42	49

Light Distribution

Degrees	Lumens	% Luminaire
0-30	747	32.7
0-40	1191	52.1
0-60	1915	83.7
0-90	2287	100.0

Average Luminance

Angle	End	45°	Cross
45	2442	2472	2551
55	1968	1977	2058
65	1572	1518	1644
75	1427	1384	1618
85	1570	1597	1831

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	118	118	118	115	115	115	111	111
1	109	105	101	107	103	98	97	94
2	100	93	85	97	91	84	86	81
3	92	81	75	90	81	73	78	71
4	84	72	65	82	71	64	69	63
5	78	66	57	76	65	56	63	56
6	72	59	51	70	58	51	56	50
7	68	55	46	66	54	46	52	45
8	63	50	41	61	48	41	47	40
9	58	46	38	57	46	38	44	38
10	55	42	34	54	41	34	40	34

2x2 T-Grid LED troffer, 3000 nominal delivered lumens — LER – 92

Catalog No.	2TG30L840-2-FS-02F-UNV
Test No.	32628
S/MH	1.2
Source	LED
Lumens/Lamp	2994
Input Watts	32.7

Comparative yearly lighting energy cost per 1000 lumens – **$2.61** based on 3000 hrs. and $.08 pwr KWH. Actual rates and usage may vary.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Candlepower

Angle	End	45	Cross
0	1285	1285	1285
5	1279	1279	1281
15	1220	1223	1228
25	1104	1110	1122
35	921	926	947
45	689	696	719
55	449	452	470
65	264	256	277
75	147	142	167
85	55	56	64

Light Distribution

Degrees	Lumens	% Luminaire
0-30	977	32.7
0-40	1558	52.0
0-60	2506	83.7
0-90	2994	100.0

Average Luminance

Angle	End	45°	Cross
45	3201	3234	3342
55	2575	2589	2694
65	2052	1992	2153
75	1865	1803	2124
85	2063	2092	2395

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	118	118	118	115	115	115	111	111
1	109	105	101	107	103	98	97	94
2	100	93	85	97	91	84	86	81
3	92	81	73	90	81	72	78	71
4	84	72	65	82	71	64	69	63
5	78	66	57	76	65	56	63	56
6	72	59	51	70	58	51	56	50
7	68	55	46	66	54	46	52	45
8	63	50	41	61	48	41	47	40
9	58	46	38	57	46	38	44	36
10	55	41	34	54	41	34	40	34

2TG T-Grid LED troffer 2x2

2000, 3000, 3800 or 4500 lumens

Photometry

2x2 T-Grid LED troffer, 3800 nominal delivered lumens — LER – 85

Catalog No.	2TG38L840-2-FS-02F-UNV
Test No.	32631
S/MH	1.2
Source	LED
Lumens/Lamp	3693
Input Watts	43.5

Comparative yearly lighting energy cost per 1000 lumens – **$2.82** based on 3000 hrs. and $.08 pwr KWH. Actual rates and usage may vary.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Candlepower

Angle	End	45	Cross
0	1586	1586	1586
5	1578	1578	1580
15	1505	1509	1514
25	1362	1369	1384
35	1136	1143	1169
45	848	859	889
55	555	557	581
65	326	316	342
75	181	175	207
85	68	69	78

Light Distribution

Degrees	Lumens	% Luminaire
0-30	1206	32.7
0-40	1922	52.0
0-60	3091	83.7
0-90	3693	100.0

Average Luminance

Angle	End	45°	Cross
45	3942	3990	4130
55	3177	3193	3330
65	2534	2456	2660
75	2301	2219	2625
85	2545	2588	2951

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	118	118	118	115	115	115	111	111
1	109	105	101	107	103	98	97	94
2	100	93	85	97	91	84	86	81
3	92	81	75	90	81	73	78	71
4	84	72	65	82	71	64	69	63
5	78	66	57	76	65	56	63	56
6	72	59	51	70	58	51	56	50
7	68	55	46	66	54	46	52	45
8	63	50	41	61	48	41	47	40
9	58	46	38	57	46	38	44	38
10	55	42	34	54	41	34	40	34

2x2 T-Grid LED troffer, 4500 nominal delivered lumens — LER – 88

Catalog No.	2TG45L840-2-FS-02F-UNV
Test No.	32395
S/MH	1.2
Source	LED
Lumens/Lamp	4551
Input Watts	51.5

Comparative yearly lighting energy cost per 1000 lumens – **$2.79** based on 3000 hrs. and $.08 pwr KWH. Actual rates and usage may vary.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Candlepower

Angle	End	45	Cross
0	1968	1968	1968
5	1958	1957	1960
15	1864	1867	1873
25	1677	1687	1702
35	1392	1401	1428
45	1044	1052	1083
55	691	690	720
65	412	400	428
75	226	220	250
85	81	81	92

Light Distribution

Degrees	Lumens	% Luminaire
0-30	1489	32.7
0-40	2366	52.0
0-60	3805	83.6
0-90	4550	100.0

Average Luminance

Angle	End	45°	Cross
45	4852	4887	5031
55	3959	3952	4127
65	3202	3111	3327
75	2872	2789	3167
85	3038	3066	3468

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	119	119	119	116	116	116	111	111
1	109	105	101	107	103	99	98	95
2	100	93	86	98	91	85	87	82
3	92	82	74	90	81	74	78	72
4	85	73	65	83	72	64	70	63
5	78	66	58	76	65	57	63	56
6	73	60	51	71	59	51	57	50
7	68	55	46	66	54	46	52	45
8	63	50	42	62	49	42	48	41
9	59	46	38	58	46	38	44	38
10	55	43	35	54	42	35	41	34

Signify

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Architectural Lighting - Exit Lighting

Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALX-002-CL

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Exit/Emergency Fixture
Item Type	Exit
Description	Die Cast Aluminum Emergency Exit light sign with Battery Backup and Self Diagnostics
Manufacturer	Cooper/Surelite
Model	CX71SD
Dimensions	12-5/8"W x 8-1/4"H x 2-1/4"D
CSI #	265100 Interior Lighting
Omniclass #	22-265100 Interior Lighting
Lamp Type	LED/RED
Voltage	UNV 120-277
Mount	Wall/Ceiling Mounting
On Dimming System	No
Lead Time	In Stock or 4 weeks
Warranty	Fixture: 5 year Battery: 7 year pro-rata
Notes	Lamp Kelvin: Red Fixture Input (Max. Watts): 1

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 2

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Building Exits

Project		**Catalog #**	CX71SD	**Type**	ALX-002-CL
Prepared by	Kathleen Kenny National Accounts 678-447-5208 kathleen.kenny@cooperlighting.com	**Notes**		**Date**	4/2022

Sure-Lites

CX Series

Die-Cast Aluminum
Surface Mount LED Lamps
Exit Lighting

Typical Applications

Office • Education • Healthcare • Hospitality • Retail • Industrial • Manufacturing

Interactive Menu

- Order Information page 2
- Product Warranty

Product Certification

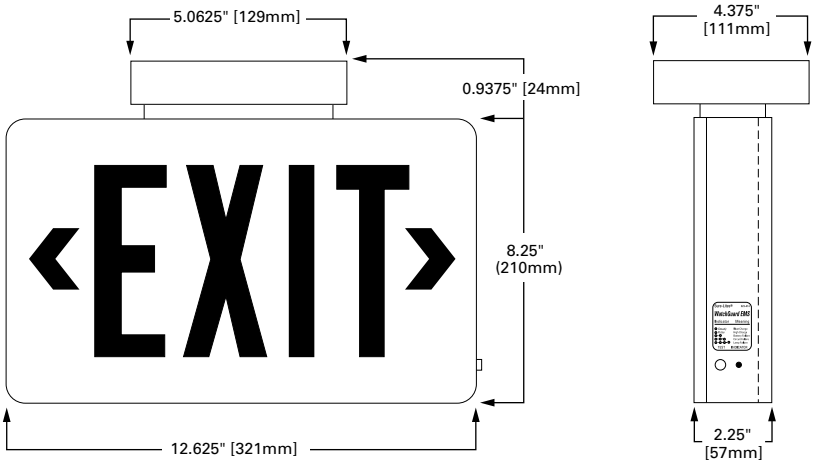
OSHA

Product Features

Top Product Features

- Dual voltage input 120/277 VAC, 60 Hz
- Die-cast aluminum housing
- Die-cast canopy included
- LED Lamping
- Laber savings self-diagnostics (CX7 only)

Dimensional Details



Sure-Lites CX Series

Ordering Information

SAMPLE ORDER NUMBER: **CX71SD, CX72WHSD, CX6SB7**

Family	Series	Face Options	Housing Finish	Options
CX=Die Cast Aluminum Exit, LED	**6**=AC only	**1**=Single **2**=Double **S**=Open Face for Signage (1)	**Blank**=Brushed Aluminum Face w/Black Housing **WH**=White **BK**=Black	**Blank**=No additional options **2C**=Two Circuit Option (CX6 only)
		Notes (1) Consult factory for additional custom signage options.		

Family	Series	Face Options	Housing Finish	Options
CX=Die Cast Aluminum Exit, LED	**7**=Self Powered	**1**=Single **2**=Double **S**=Open Face for Signage (1)	**Blank**=Brushed Aluminum Face w/Black Housing **WH**=White **BK**=Black	**Blank**=No additional options **SD**=Self-diagnostics (standard) with Fire Alarm Interface Capability (CX7 only) (2)
		Notes (1) Consult factory for additional custom signage options.		**Notes** (2) Blue Letters, White LED does not have the "SD" option.

Options for non-EXIT signs

Signage Options (Color)	Signage Options (Common Signs)
Blank =EXIT sign **R**=Red letter, Red LED **G**=Green letter, Green LED **B**=Blue letter, White LED (Non-SD Only)	**Blank**=EXIT sign **1** ="AREA OF RESCUE" **2** ="SALIDA" **3** ="STAIRS" **4** ="AREA OF REFUGE" **5** ="IN USE" **6** ="NOT AN EXIT" **7** =(WHEEL CHAIR SYMBOL) **8** ="X-RAY ON" **9** ="LASER IN USE" **10** ="DO NOT ENTER"

Available Accessories (Order Separately)

Protection Devices	Pendant Kit
WG10=Wall mount wire guard **WGS11**=Ceiling or End mount wire guard **VS1**=Polycarbonate Vandal Shield **VS1WP**=Polycarbonate Vandal Shield, Weather Proof	**CAX18PKWH**=18" Pendant Kit, White **CAX18PKBK**=18" Pendant Kit, Black **CAX18PKHTWH**=18" Hang True Pendant Kit, White

Product Specifications

Electrical

- **General Features**
- Field selected red and green sign capability standard on all units (units shipped red, field convert to green with supplied parts)
- Dual Voltage Input 120/277 VAC,60Hz
- **AC Only**
- Optional 2C (Two circuit, FTBR) available in 120/277 VAC in standard and emergency operation
- **Self Powered**
- Sure-Lites EZ Key patented external battery disconnect feature – prevents unnecessary battery drainage, saves on installation time
- Solid-state Voltage Limited Charger
- Brownout Circuit
- Low-Voltage Disconnect
- Test Switch/Power Indicator Light
- Standard 24 hour recharge time (max)
- Self-Diagnostic feature Self-Diagnostics standard for CX7 self-powered series

Housing Construction

- Die cast aluminum housing
- Die cast canopy included (for mounting convenience only
- no electrical components in canopy)
- Universal pattern knockouts on
- rear of single face housing for direct mounting to junction box
- Knockout provided on housing for surface attachment
- Exit can be universally mounted: ceiling, wall or end
- Choice of three finishes: black housing with brushed aluminum face, white housing with white face or black housing with black face
- NFPA 101 compliant knockout chevrons allow quick conversion to directional signs
- Single and double faced signs available, order separately

Code Compliance

- UL 924 Listed
- UL Damp Location (0-40° C)
- Life Safety NFPA 101
- NEC/OSHA
- Most State and Local Codes
- Suitable for Floor Proximity Installation
- UL Listed for 2C (FTBR)

Lamp Data

- AC LED: Red and green LED lamps provide uniform diffused illumination
- DC: Red and green LED DC lamps (Brighter in emergency mode)

Warranty

- Exit – 5 year
- Battery: 7-Year pro-rata

Technical Data

Lamps
- CX Series Exits use energy efficient, long life LED's to provide uniform diffuse illumination of the exit face. These red and green LEDs require no maintenance and consume less than one watt, on average.

Housing Construction
- Die cast aluminum with Brushed Aluminum face and black trim standard. Optional finishes include White and Black. NFPA 101 compliant knockout chevrons for easy conversion to directional sign. Universal pattern knockouts are in the back of the single face housing for direct mounting to junction box. Die cast aluminum alloy canopy included for universal mounting. Canopy is included for mounting convenience only–no electrical components in canopy.

Lens
- Lenses for the CX Series Exits are made from durable, impact resistant polycarbonate. All exit faces are designed with full 3/4" stroke snap-out or snap-in chevron directional indicators to insure maximum visibility and compliance with the latest codes. Units come with red lenses installed and green lenses included for field selectable red or green signs.

Sure-Lites EZ Key External Battery Disconnect (Self Powered Only)
- Patented technology that allows installers to externally control the battery connection. Better than line latching, allows installers to choose when the battery is connected so that it stays fresh longer. Allows battery to be disconnected after installation but before building is occupied, enabling emergency circuit to be shut down for power savings.

Brownout Circuit (Self Powered Only)
- The brownout circuit on Sure-Lites' exits monitors the flow of AC current to the exit and activates the emergency lighting system when a predetermined reduction of AC power occurs. This dip in voltage will cause most ballasted fixtures to extinguish causing loss of normal lighting even though a total power failure has not occurred.

Solid-State Transfer (Self Powered Only)
- The CX Series Exit incorporates solid-state switching which eliminates corroded and pitted contacts or mechanical failures associated with relays. The switching circuit is designed to detect a loss of AC voltage and automatically energizes the lamps using DC power. Upon restoration of AC power, the DC power will be disconnected and the charger will automatically recharge the battery.

Low Voltage Disconnect (Self Powered Only)
- When the battery's terminal voltage falls, the low-voltage circuitry disconnects the lighting load. The disconnect remains in effect until normal utility power is restored, preventing deep battery discharge.

Test Switch/Power Indicator Light (Self Powered Only)
- A test switch located on the side of the exit permits the activation of the emergency circuit for a complete operational systems check. The Power Indicator Light provides visual assurance that the AC power is on.

Sealed Nickel Cadmium Battery (Self Powered Only)
- Sure-Lites sealed nickel cadmium batteries are maintenance-free with a life expectancy of 15 years. The sealed rechargeable nickel cadmium battery offers high discharge rates and stable performance over a wide range of temperatures, from 0-40° C. The specially designed re-sealable vent automatically controls cell pressure, assuring safety and reliability. This battery is best suited for harsh ambient temperatures because the electrolyte is not active in the electrochemical process.

"2C" (AC Only)
- The "2C" Option enables the Exits to operate per the requirements of UL 924 when connected simultaneously to both normal and emergency power circuits (two circuit operation–UL Category FTBR–Emergency Lighting and Power Equipment). The "2C" Option alters the standard Exit such that it complies with and is UL Listed under the FTBR Category. This option should only be used for exits which are intended to be connected simultaneously to normal and emergency power circuits, but cannot support two hot inputs. Only one of the normal or emergency circuits can be powered. If both are powered simultaneously, it will make the Exit inoperable. Both circuits have universal 120/277 VAC standard.

Self Diagnostics Option (Self Powered Only)
- The self-diagnostic unit will automatically perform all tests required by UL924, and NFPA 101. The system indicates the status of the exit at all times using the LED indicator near the test switch on the side of the unit. A 90 minute battery power (emergency mode) simulation test will occur randomly once every 12 months. A 30 second battery power simulation test will occur every 30 days.

Photocell Test Switch
- Allows verification of proper operation of the transfer circuit and emergency lamps with a laser pointer (laser is sold as an accessory). The emergency lamps will test for 30 seconds when activated.

Laser tester

Part Number = LASER

(sold separately)

Warranty
- All Sure-Lites' products are backed by a firm five-year warranty against defects in material and workmanship. Maintenance-free, long-life, sealed nickel cadmium batteries carry a seven-year pro-rata warranty.

Energy and Performance Data

Maximum power consumption under all charge conditions:

AC Only, 120V - Red

Amps:	Watts:	Power Factor:
0.07	0.98	0.12

AC Only, 120V - Green

Amps:	Watts:	Power Factor:
0.07	1.02	0.13

AC Only, 277V - Red

Amps:	Watts:	Power Factor:
0.07	1.04	0.06

AC Only, 277V - Green

Amps:	Watts:	Power Factor:
0.07	1.12	0.06

Self Powered, 120V - Red

Amps:	Watts:	Power Factor:
0.07	0.98	0.12

Self Powered, 120V - Green

Amps:	Watts:	Power Factor:
0.07	1.00	0.13

Self Powered, 277V - Red

Amps:	Watts:	Power Factor:
0.07	1.03	0.06

Self Powered, 277V - Green

Amps:	Watts:	Power Factor:
0.07	1.09	0.05

Cooper Lighting Solutions
1121 Highway 74 South
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Specifications and dimensions subject to change without notice.

Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALX-002-SI

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Exit/Emergency Fixture
Item Type	Exit
Description	Die Cast Aluminum Emergency Exit light sign with Battery Backup
Manufacturer	Signify/Chloride
Model	SCN1R
Dimensions	13.2"W x 9.2"H x 1.7"D
CSI #	265100 Interior Lighting
Omniclass #	22-265100 Interior Lighting
Lamp Type	LED/RED
Voltage	UNV 120-277
Mount	Wall/Ceiling Mounting
On Dimming System	No
Lead Time	In stock or 4 weeks
Warranty	5 years
Notes	Lamp Kelvin: Red Fixture Input (Max. Watts): 1

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

ALTERNATE MANUFACTURER 2

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Building Exits

CHLORIDE
by Signify

Exit/Emergency

SC Series

Cast aluminum exit sign

Project:
Location:
Cat.No:
Type:
Lamps: Qty:
Notes:

Example: SCN1RWICT

SC

Series
SC – Symmetry Series Die Cast LED Exit

Battery
N – Nickel Cadmium
A – AC Only

Face Options
1 – Single
2 – Double
U – Universal Two Faces, Backplate and Canopy

Letter Color
R – Red
G – Green

Stencil Face/Housing Color
W – White Stencil Face, White Housing
B – Black Stencil Face, Black Housing
WA – Brushed Aluminum Face, White Housing
BA – Brushed Aluminum Face, Black Housing
N – Brushed Aluminum Face, Natural Aluminum Housing

Model Designator[1]
IC – Intelli-Charge Diagnostics
ICT – Self-Testing Diagnostics (non-audible, self-powered models only)
ICTA – Audible Self-Testing Diagnostics (self-powered models only)

Options[2]
2CKT1 – 120/120 Two Circuit VAC (AC-only models)
2CKT2 – 277/277 Two Circuit VAC (AC-only models)
BF – Buzzer/Flasher (emergency units only)
BZ – Buzzer (emergency units only)
DC – 12-48 VDC Input (AC only models)
DL – Damp Location Listing 0°C to 40°C
EX – Special Input Transformer (specify voltage & frequency)
FA – Fire Alarm Activated Flasher
FL – Emergency Mode Flasher (emergency units only)
SW – Special Wording/Graphics[3]
TP – Tamperproof Hardware and Bit
VRS – Vandal Resistant Lens with Tamperproof Hardware & Bit

Accessories[4] (Order Separately)

CPKIT12W – Pendant Kit, 12" White, Includes Exit Adapter Plate
CPKIT12B – Pendant Kit, 12" Black, Includes Exit Adapter Plate
ICIR – Intelli-Charge Infra-Red Remote
T15TPTOOL – Tamperproof Screwdriver
PCS1 – Polycarbonate Vandal Shield
WG4 – Wire Guard, Surface Wall Mount
WG10 – Wire Guard, End Mount

Footnotes

1. For self-testing models refer to ICT and ICTA options.
2. Some option combinations may impact UL listing. Consult factory for specifics.
3. Requires 'open-face' design.
4. Consult Signify to confirm whether specific accessories are BAA-compliant.

codes and standards

- UL listed to standard 924
- UL damp location listing optional
- IBC, BOCA, and OSHA illumination standard
- NFPA 70 (National Electric Code)
- NFPA 101 (Life Safety Code)
- NEMA Premium certified
- Certified to the California Energy Commission in accordance with California law

construction

- Two piece die cast aluminum construction with NFPA compliant field selectable chevrons.
- Housing and stencil face castings are available with durable epoxy based powder coat paint or brushed aluminum finishes.
- A positive latching exit stencil face provides secure closure yet is easily accessible for installation, maintenance, and inspection.

installation

- The SC Series is available in single, double, and universal configurations.
- A mounting canopy is supplied to accommodate surface ceiling and end mounting.
- A universal knockout pattern is provided on the backplate for surface wall mounting.

electronics

- 120/277 VAC dual voltage input with surge protection is standard on all models.
- Self powered models feature the Intelli-Charge circuit where the charging system is microprocessor driven with software embedded diagnostic routine and temperature compensation.
- Self powered models include brownout detection, AC lockout, low voltage disconnect, AC Power indicator, charge status indicator, audible user-interface controls, visual LED system fault indicator, and tactile push to test switch.
- Additional equipment safety features include reverse battery polarity detection and protection, and reverse utility power detection and protection.
- All self-powered models include an on-board IR receiver for use with the optional hand-held remote (ICIR).
- Self-testing electronics (optional)
  The diagnostic/charging platform with optional self-testing mode automatically runs a one minute self-test every 30 days and a 30 minute test on the sixth and twelfth month in accordance with
  NFPA 101. A one minute or 90 minute test may be initiated via the push to test switch on the unit or by activating the appropriate test command on the optional IR test device.
- Operating temperature range
  AC only models: -40°F (-40°C) to 104°F (40°C).
  Self-powered models - standard location: 65°F (19°C) to 85°F (30°C).
  Self powered models - damp location: 32°F (0°C) to 104°F (40°C).
- Power consumption
  AC only red: 0.032 A (120VAC), 0.015 A (277VAC), PF = 0.94.
  AC only green: 0.035 A (120 VAC), 0.016 A (277VAC), PF = 0.92
  Self powered red: 0.039 A (120 VAC), 0.018 A (277VAC), PF = 0.94.
  Self powered green: 0.040 A (120VAC), 0.018 A (277VAC), PF = 0.94.

SC Cast aluminum LED exit sign

lamps

- Illumination of the stencil face is accomplished with long lasting, high output Light Emitting Diodes (LEDs).
- Hot spots and striations are eliminated by the internal "light chamber" allowing for even illumination in normal and emergency situations.
- Average legend illumination levels exceed 25fl (79 cd/m^2) during normal and emergency operation.

battery

- Maintenance free sealed nickel cadmium battery
- Provides a minimum of 90 minutes of emergency power.

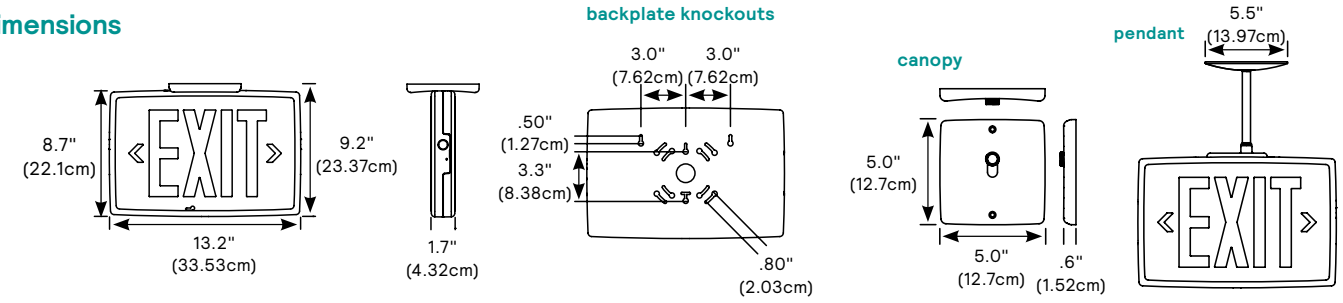
warranty

- Five full year warranty on electronics and unit.

options

- **2CKT1** – Available on AC only configured models to accommodate inputs from a normally on circuit and an AC emergency circuit from a generator or emergency inverter circuit limited to 120 VAC circuits.
- **2CKT2** – Available on AC only configured models to accommodate inputs from a normally on circuit and an AC emergency circuit from a generator or emergency inverter circuit limited to 277 VAC circuits.
- **BF** – This option enables the exit sign to buzz and flash together when the sign is operating under battery power. The buzzer and flashing rate is an approximate 50% duty cycle.
- **BZ** – This option enables the exit sign to buzz when the sign is operating under battery power. The buzzer rate is an approximate 50% duty cycle.
- **DC** – The DC option is reserved for AC only configured models and accommodates wiring to a remote emergency battery unit. The DC input is not polarity sensitive and accepts 12 to 48 VDC from a remote source.
- **DL** – Damp location listed products include various levels of corrosion protection on printed circuit board assemblies and other metallic parts. Environmental testing throughout a range of ambient temperature and 88% relative humidity.
- **EX** – The special input transformer option allows for input voltage and frequencies beyond the standard 120/277 VAC, 60 Hz input.
- **FA** – This option provides a two-wire harness for the electrical connection to the fire control panel. Should the fire panel activate an alarm, the exit sign will flash at a rate of approximately 50% duty cycle.
- **FL** – This option causes the exit sign to flash when the sign is operating under battery power. The flashing rate is approximately a 50% duty cycle.
- **TP** – The tamper proof option provides torx T15 hardware with center pin reject and the bit required to secure and access the equipment for future servicing.
- **ICT** – The self-testing option enables a periodic self-test of the equipment where a test routine is established to perform a one-minute test every thirty days with a 30-minute test performed on the sixth and twelfth month in accordance with NFPA 101. Equipment readiness faults are indicated with a visual LED display.
- **ICTA** – The audible self-testing option enables a periodic self-test of the equipment where a test routine is established to perform a one-minute test every thirty days with a 30-minute test performed on the sixth and twelfth month in accordance with NFPA 101. Equipment readiness faults are indicated with a visual LED display and an audible alarm.
- **BAC** – This option meets the requirements of the Buy American Act of 1933 (BAA).

dimensions



Buy American Act of 1933 (BAA):

This product is manufactured in one of our US factories and, as of the date of this document, this product was considered a commercially available off-the-shelf (COTS) item meeting the requirements of the BAA. This BAA designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies. Prior to ordering, please visit www.signify.com/baa to view a current list of BAA-compliant products to confirm this product's current compliance.

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Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALX-003-CL

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Exit/Emergency Fixture
Item Type	Exit
Description	Die Cast Aluminum Emergency Exit light sign with No Battery Backup
Manufacturer	Cooper/Surelite
Model	CX61
Dimensions	12-5/8"W x 8-1/4"H x 2-1/4"D
CSI #	265100 Interior Lighting
Omniclass #	22-265100 Interior Lighting
Lamp Type	LED/RED
Voltage	UNV 120-277
Mount	Wall/Ceiling Mounting
On Dimming System	No
Lead Time	In Stock or 4 weeks
Warranty	Fixture: 5 year
Notes	Lamp Kelvin: Red Fixture Input (Max. Watts): 1

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 2

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Building Exits

Project	Kathleen Kenny National Accounts	**Catalog #**	CX61	**Type**	
Prepared by	Kathleen Kenny National Accounts	**Notes**	Ph/Cell: 678-447-5208 Kathleen.kenny@cooperlighting.com	**Date**	August 2020

Sure-Lites

CX Series

Die-Cast Aluminum
Surface Mount LED Lamps
Exit Lighting

Typical Applications

Office • Education • Healthcare • Hospitality • Retail • Industrial • Manufacturing

Interactive Menu

- Order Information page 2
- Product Warranty

Product Certification

OSHA

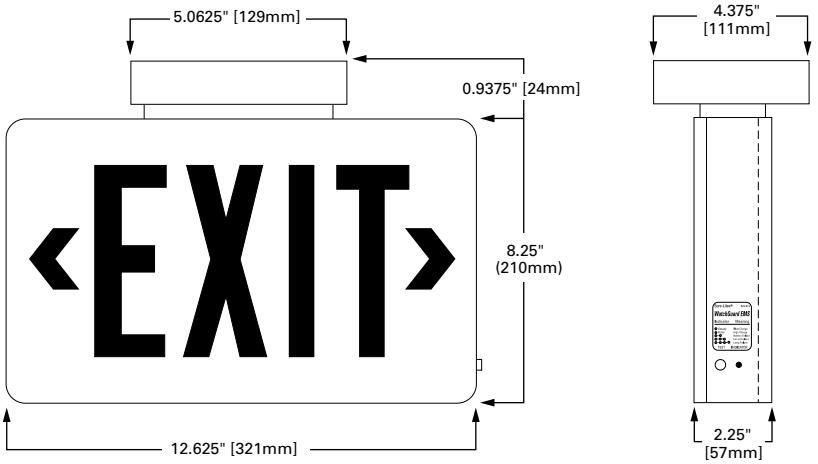
Product Features

UL LISTED

Top Product Features

- Dual voltage input 120/277 VAC, 60 Hz
- Die-cast aluminum housing
- Die-cast canopy included
- LED Lamping
- Self-diagnostic system (CX7 Only)

Dimensional Details



Ordering Information

SAMPLE ORDER NUMBER: **CX71, CX61, CX72WHSD90, CX6SB7, CX72SD23050**

Family	Series	Face Options	Housing Finish	Options
CX=Die Cast Aluminum Exit, LED	**6**=AC only **7**=Self Powered	**1**=Single **2**=Double **S**=Open Face for Signage	**Blank**=Brushed Aluminum Face w/Black Housing **WH**=White **BK**=Black	**Blank**=No additional options **2C**=Two Circuit Option (CX6 only) **SD**=Self Diagnostics with Fire Alarm Interface Capability (CX7 Only)

Notes

(1) Consult factory for additional custom signage options. (2) Blue Letters, White LED does not have the "SD" option.

Options for non-EXIT signs

Signage Options (Color)	Signage Options (Common Signs)
Blank =EXIT sign **R**=Red letter, Red LED **G**=Green letter, Green LED **B**=Blue letter, White LED (Non-SD Only)	**Blank**=EXIT sign **1** ="AREA OF RESCUE" **2** ="SALIDA" **3** ="STAIRS" **4** ="AREA OF REFUGE" **5** ="IN USE" **6** ="NOT AN EXIT" **7** =(WHEEL CHAIR SYMBOL) **8** ="X-RAY ON" **9** ="LASER IN USE" **10** ="DO NOT ENTER"

Available Accessories (Order Separately)

Protection Devices	Pendant Kit
WG10=Wall mount wire guard **WGS11**=Ceiling or End mount wire guard **VS1**=Polycarbonate Vandal Shield **VS1WP**=Polycarbonate Vandal Shield, Weather Proof	**CAX18PKWH**=18" Pendant Kit, White **CAX18PKBK**=18" Pendant Kit, Black **CAX18PKHTWH**=18" Hang True Pendant Kit, White

Product Specifications

Electrical

- **General Features**
- Field selected red and green sign capability standard on all units (units shipped red, field convert to green with supplied parts)
- Dual Voltage Input 120/277 VAC,60Hz
- **AC Only**
- Optional 2C (Two circuit, FTBR) available in 120/277 VAC in standard and emergency operation
- **Self Powered**
- Sure-Lites EZ Key patented external battery disconnect feature – prevents unnecessary battery drainage, saves on installation time
- Solid-state Voltage Limited Charger
- Brownout Circuit
- Low-Voltage Disconnect
- Test Switch/Power Indicator Light
- Standard 24 hour recharge time (max)
- Self-Diagnostic feature available as option

Housing Construction

- Die cast aluminum housing
- Die cast canopy included (for mounting convenience only
- no electrical components in canopy)
- Universal pattern knockouts on
- rear of single face housing for direct mounting to junction box
- Knockout provided on housing for surface attachment
- Exit can be universally mounted: ceiling, wall or end
- Choice of three finishes: black housing with brushed aluminum face, white housing with white face or black housing with black face
- NFPA 101 compliant knockout chevrons allow quick conversion to directional signs
- Single and double faced signs available, order separately

Code Compliance

- UL 924 Listed
- UL Damp Location (0-40° C)
- Life Safety NFPA 101
- NEC/OSHA
- Most State and Local Codes
- Suitable for Floor Proximity Installation
- UL Listed for 2C (FTBR)

Lamp Data

- AC LED: Red and green LED lamps provide uniform diffused illumination
- DC: Red and green LED DC lamps (Brighter in emergency mode)

Warranty

- Exit – 5 year
- Battery: 5-Year pro-rata

Technical Data

Lamps
- CX Series Exits use energy efficient, long life LED's to provide uniform diffuse illumination of the exit face. These red and green LEDs require no maintenance and consume less than one watt, on average.

Housing Construction
- Die cast aluminum with Brushed Aluminum face and black trim standard. Optional finishes include White and Black. NFPA 101 compliant knockout chevrons for easy conversion to directional sign. Universal pattern knockouts are in the back of the single face housing for direct mounting to junction box. Die cast aluminum alloy canopy included for universal mounting. Canopy is included for mounting convenience only–no electrical components in canopy.

Lens
- Lenses for the CX Series Exits are made from durable, impact resistant polycarbonate. All exit faces are designed with full 3/4" stroke snap-out or snap-in chevron directional indicators to insure maximum visibility and compliance with the latest codes. Units come with red lenses installed and green lenses included for field selectable red or green signs.

Sure-Lites EZ Key External Battery Disconnect (Self Powered Only)
- Patented technology that allows installers to externally control the battery connection. Better than line latching, allows installers to choose when the battery is connected so that it stays fresh longer. Allows battery to be disconnected after installation but before building is occupied, enabling emergency circuit to be shut down for power savings.

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Low Voltage Disconnect (Self Powered Only)
- When the battery's terminal voltage falls, the low-voltage circuitry disconnects the lighting load. The disconnect remains in effect until normal utility power is restored, preventing deep battery discharge.

Test Switch/Power Indicator Light (Self Powered Only)
- A test switch located on the side of the exit permits the activation of the emergency circuit for a complete operational systems check. The Power Indicator Light provides visual assurance that the AC power is on.

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- Sure-Lites sealed nickel cadmium batteries are maintenance-free with a life expectancy of 15 years. The sealed rechargeable nickel cadmium battery offers high discharge rates and stable performance over a wide range of temperatures, from 0-40° C. The specially designed re-sealable vent automatically controls cell pressure, assuring safety and reliability. This battery is best suited for harsh ambient temperatures because the electrolyte is not active in the electrochemical process.

"2C" (AC Only)
- The "2C" Option enables the Exits to operate per the requirements of UL 924 when connected simultaneously to both normal and emergency power circuits (two circuit operation–UL Category FTBR–Emergency Lighting and Power Equipment). The "2C" Option alters the standard Exit such that it complies with and is UL Listed under the FTBR Category. This option should only be used for exits which are intended to be connected simultaneously to normal and emergency power circuits. Both circuits have universal 120/277 VAC standard.

Self Diagnostics Option (Self Powered Only)
- The self-diagnostic unit will automatically perform all tests required by UL924, and NFPA 101. The system indicates the status of the exit at all times using the LED indicator near the test switch on the side of the unit. A 90 minute battery power (emergency mode) simulation test will occur randomly once every 12 months. A 30 second battery power simulation test will occur every 30 days.

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- Allows verification of proper operation of the transfer circuit and emergency lamps with a laser pointer (laser is sold as an accessory). The emergency lamps will test for 30 seconds when activated.

Warranty
- All Sure-Lites' products are backed by a firm five-year warranty against defects in material and workmanship. Maintenance-free, long-life, sealed nickel cadmium batteries carry a seven-year pro-rata warranty.

Laser tester

Part Number = LASER

(sold separately)

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Maximum power consumption under all charge conditions:

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Amps:	Watts:	Power Factor:
0.07	0.98	0.12

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Amps:	Watts:	Power Factor:
0.07	1.02	0.13

AC Only, 277V - Red

Amps:	Watts:	Power Factor:
0.07	1.04	0.06

AC Only, 277V - Green

Amps:	Watts:	Power Factor:
0.07	1.12	0.06

Self Powered, 120V - Red

Amps:	Watts:	Power Factor:
0.07	0.98	0.12

Self Powered, 120V - Green

Amps:	Watts:	Power Factor:
0.07	1.00	0.13

Self Powered, 277V - Red

Amps:	Watts:	Power Factor:
0.07	1.03	0.06

Self Powered, 277V - Green

Amps:	Watts:	Power Factor:
0.07	1.09	0.05

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Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALX-003-SI

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Exit/Emergency Fixture
Item Type	Exit
Description	Die Cast Aluminum Emergency Exit light sign with No Battery Backup
Manufacturer	Signify / Chloride
Model	SCA1R
Dimensions	13.2"W x 9.2"H x 1.7"D
CSI #	265100 Interior Lighting
Omniclass #	22-265100 Interior Lighting
Lamp Type	LED/RED
Voltage	UNV 120-277
Mount	Wall/Ceiling Mounting
On Dimming System	No
Lead Time	In stock or 4 weeks
Warranty	5 Years
Notes	Lamp Kelvin: Red Fixture Input (Max. Watts): 1

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ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Building Exits

CHLORIDE
by Signify

Exit/Emergency

SC Series

Cast aluminum exit sign

Project:
Location:
Cat.No:
Type:
Lamps: Qty:
Notes:

Example: SCN1RWICT

SC

Series
SC – Symmetry Series Die Cast LED Exit

Battery
N – Nickel Cadmium
A – AC Only

Face Options
1 – Single
2 – Double
U – Universal Two Faces, Backplate and Canopy

Letter Color
R – Red
G – Green

Stencil Face/Housing Color
W – White Stencil Face, White Housing
B – Black Stencil Face, Black Housing
WA – Brushed Aluminum Face, White Housing
BA – Brushed Aluminum Face, Black Housing
N – Brushed Aluminum Face, Natural Aluminum Housing

Model Designator[1]
IC – Intelli-Charge Diagnostics
ICT – Self-Testing Diagnostics (non-audible, self-powered models only)
ICTA – Audible Self-Testing Diagnostics (self-powered models only)

Options[2]
2CKT1 – 120/120 Two Circuit VAC (AC-only models)
2CKT2 – 277/277 Two Circuit VAC (AC-only models)
BF – Buzzer/Flasher (emergency units only)
BZ – Buzzer (emergency units only)
DC – 12-48 VDC Input (AC only models)
DL – Damp Location Listing 0°C to 40°C
EX – Special Input Transformer (specify voltage & frequency)
FA – Fire Alarm Activated Flasher
FL – Emergency Mode Flasher (emergency units only)
SW – Special Wording/Graphics[3]
TP – Tamperproof Hardware and Bit
VRS – Vandal Resistant Lens with Tamperproof Hardware & Bit

Accessories[4] (Order Separately)

CPKIT12W – Pendant Kit, 12" White, Includes Exit Adapter Plate
CPKIT12B – Pendant Kit, 12" Black, Includes Exit Adapter Plate
ICIR – Intelli-Charge Infra-Red Remote
T15TPTOOL – Tamperproof Screwdriver
PCS1 – Polycarbonate Vandal Shield
WG4 – Wire Guard, Surface Wall Mount
WG10 – Wire Guard, End Mount

Footnotes

1. For self-testing models refer to ICT and ICTA options.
2. Some option combinations may impact UL listing. Consult factory for specifics.
3. Requires 'open-face' design.
4. Consult Signify to confirm whether specific accessories are BAA-compliant.

codes and standards

- UL listed to standard 924
- UL damp location listing optional
- IBC, BOCA, and OSHA illumination standard
- NFPA 70 (National Electric Code)
- NFPA 101 (Life Safety Code)
- NEMA Premium certified
- Certified to the California Energy Commission in accordance with California law

construction

- Two piece die cast aluminum construction with NFPA compliant field selectable chevrons.
- Housing and stencil face castings are available with durable epoxy based powder coat paint or brushed aluminum finishes.
- A positive latching exit stencil face provides secure closure yet is easily accessible for installation, maintenance, and inspection.

installation

- The SC Series is available in single, double, and universal configurations.
- A mounting canopy is supplied to accommodate surface ceiling and end mounting.
- A universal knockout pattern is provided on the backplate for surface wall mounting.

electronics

- 120/277 VAC dual voltage input with surge protection is standard on all models.
- Self powered models feature the Intelli-Charge circuit where the charging system is microprocessor driven with software embedded diagnostic routine and temperature compensation.
- Self powered models include brownout detection, AC lockout, low voltage disconnect, AC Power indicator, charge status indicator, audible user-interface controls, visual LED system fault indicator, and tactile push to test switch.
- Additional equipment safety features include reverse battery polarity detection and protection, and reverse utility power detection and protection.
- All self-powered models include an on-board IR receiver for use with the optional hand-held remote (ICIR).
- Self-testing electronics (optional)
  The diagnostic/charging platform with optional self-testing mode automatically runs a one minute self-test every 30 days and a 30 minute test on the sixth and twelfth month in accordance with
  NFPA 101. A one minute or 90 minute test may be initiated via the push to test switch on the unit or by activating the appropriate test command on the optional IR test device.
- Operating temperature range
  AC only models: -40°F (-40°C) to 104°F (40°C).
  Self-powered models - standard location: 65°F (19°C) to 85°F (30°C).
  Self powered models - damp location: 32°F (0°C) to 104°F (40°C).
- Power consumption
  AC only red: 0.032 A (120VAC), 0.015 A (277VAC), PF = 0.94.
  AC only green: 0.035 A (120 VAC), 0.016 A (277VAC), PF = 0.92
  Self powered red: 0.039 A (120 VAC), 0.018 A (277VAC), PF = 0.94.
  Self powered green: 0.040 A (120VAC), 0.018 A (277VAC), PF = 0.94.

SC Cast aluminum LED exit sign

lamps

- Illumination of the stencil face is accomplished with long lasting, high output Light Emitting Diodes (LEDs).
- Hot spots and striations are eliminated by the internal "light chamber" allowing for even illumination in normal and emergency situations.
- Average legend illumination levels exceed 25fl (79 cd/m^2) during normal and emergency operation.

battery

- Maintenance free sealed nickel cadmium battery
- Provides a minimum of 90 minutes of emergency power.

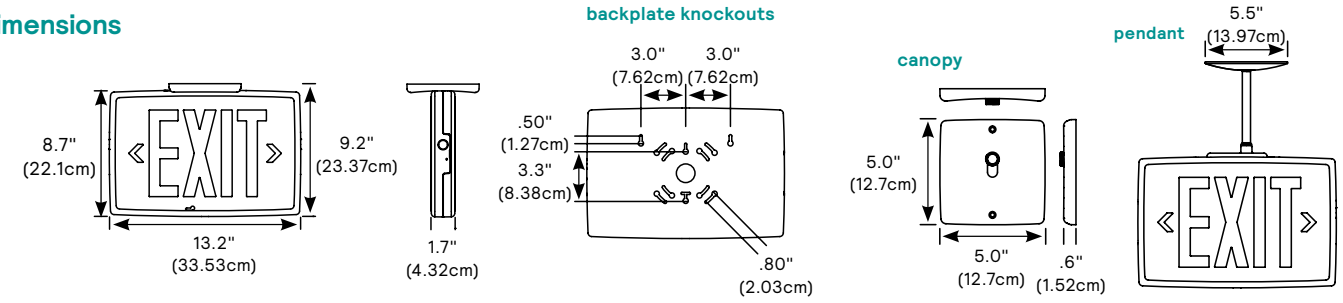
warranty

- Five full year warranty on electronics and unit.

options

- **2CKT1** – Available on AC only configured models to accommodate inputs from a normally on circuit and an AC emergency circuit from a generator or emergency inverter circuit limited to 120 VAC circuits.
- **2CKT2** – Available on AC only configured models to accommodate inputs from a normally on circuit and an AC emergency circuit from a generator or emergency inverter circuit limited to 277 VAC circuits.
- **BF** – This option enables the exit sign to buzz and flash together when the sign is operating under battery power. The buzzer and flashing rate is an approximate 50% duty cycle.
- **BZ** – This option enables the exit sign to buzz when the sign is operating under battery power. The buzzer rate is an approximate 50% duty cycle.
- **DC** – The DC option is reserved for AC only configured models and accommodates wiring to a remote emergency battery unit. The DC input is not polarity sensitive and accepts 12 to 48 VDC from a remote source.
- **DL** – Damp location listed products include various levels of corrosion protection on printed circuit board assemblies and other metallic parts. Environmental testing throughout a range of ambient temperature and 88% relative humidity.
- **EX** – The special input transformer option allows for input voltage and frequencies beyond the standard 120/277 VAC, 60 Hz input.
- **FA** – This option provides a two-wire harness for the electrical connection to the fire control panel. Should the fire panel activate an alarm, the exit sign will flash at a rate of approximately 50% duty cycle.
- **FL** – This option causes the exit sign to flash when the sign is operating under battery power. The flashing rate is approximately a 50% duty cycle.
- **TP** – The tamper proof option provides torx T15 hardware with center pin reject and the bit required to secure and access the equipment for future servicing.
- **ICT** – The self-testing option enables a periodic self-test of the equipment where a test routine is established to perform a one-minute test every thirty days with a 30-minute test performed on the sixth and twelfth month in accordance with NFPA 101. Equipment readiness faults are indicated with a visual LED display.
- **ICTA** – The audible self-testing option enables a periodic self-test of the equipment where a test routine is established to perform a one-minute test every thirty days with a 30-minute test performed on the sixth and twelfth month in accordance with NFPA 101. Equipment readiness faults are indicated with a visual LED display and an audible alarm.
- **BAC** – This option meets the requirements of the Buy American Act of 1933 (BAA).

dimensions



Buy American Act of 1933 (BAA):

This product is manufactured in one of our US factories and, as of the date of this document, this product was considered a commercially available off-the-shelf (COTS) item meeting the requirements of the BAA. This BAA designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies. Prior to ordering, please visit www.signify.com/baa to view a current list of BAA-compliant products to confirm this product's current compliance.

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Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALX-004-CL

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Exit/Emergency Fixture
Item Type	Exit
Description	2 Head emergency battery - white. For use with ALX-002 fixture.
Manufacturer	Cooper/Surelite
Model	SEL25SD
Dimensions	14"W x 4-3/4"H x 1-3/4"D
Color	White
CSI #	265100 Interior Lighting
Omniclass #	22-265100 Interior Lighting
Lamp Type	LED/WHITE
Voltage	4.8
Mount	Wall/Ceiling Mounting
On Dimming System	No
Lead Time	In Stock or 4 weeks
Warranty	Fixture: 5 year
Notes	Lamp Kelvin: WHITE

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 2

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Building Exits

Sure-Lites

DESCRIPTION

The Sure-Lites emergency series (SEL) is a UL 924 code compliant LED solution that provides from 25 feet to 60 feet of emergency egress coverage for a minimum of 90 minutes during a power outage. Key features include a polycarbonate housing, long life LED source, a no maintenance nickel cadmium battery, proprietary adjustable accuLED optics, and a labor savings self-diagnostic option that automatically performs required NFPA testing. Remote capable options providing from 4 watts to 10 watts are available which can power the SRP/SRM/SRPA remotes providing maximum design flexibility for both indoor and outdoor applications. The Patented external battery disconnect and easy hang features reduce installation time and cost.

Catalog #	SEL25SD	**Type**
Project		
Comments		**Date**
Prepared by	Kathleen Kenny National Accounts Ph: 678-447-5208 Kathleen.kenny@cooperlighting.com	August 2020

SPECIFICATION FEATURES

ELECTRICAL

- Dual Voltage Input 120/277 VAC, 60Hz
- External Battery Disconnect
- Brownout circuit
- Low-voltage disconnect
- Overload / Short Circuit protection
- 4.8V Battery back-up
- Self-diagnostic option
- Laser test capability (self-diagnostic option)

HOUSING CONSTRUCTION

- Components injection molded, color stable, high impact polycarbonate
- White or black textured finish
- Black only available with self-diagnostic
- EZ Hang feature facilitates fast installation
- Suitable for ceiling, pendant or wall mount applications
- Universal J-box mounting pattern
- Keyhole mounting slots
- Aesthetically designed with thin profile
- Heads available in circular or square shape for SEL25 and SEL50

BATTERY

- Sealed Nickel Cadmium
- Full Recharge Time, 24 hours (max.)
- 0° to 40 °C (32 °F to 104 °F)

WARRANTY

- Five-year warranty
- Prorated five-year battery warranty

CODE COMPLIANCE

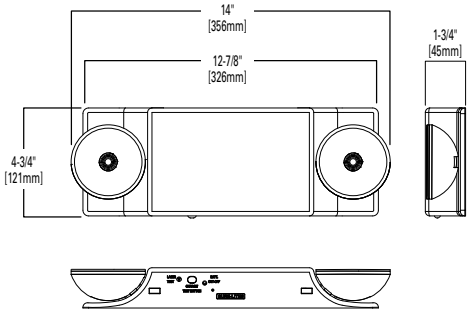
- UL924 Listed
- Damp Location
- Life Safety NFPA 101
- NEC/OSHA
- Most State & Local Codes
- California Energy Code

HOW TO SPECIFY

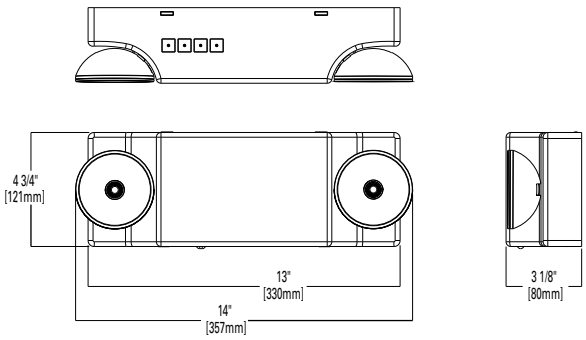
Sure-lites LED emergency light with nickel cadmium battery, external battery disconnect, and adjustable optics.

DIMENSIONS

SEL25 / SEL25SD / SEL50 / SEL50SD



SEL25R10 / SEL50R7 / SEL60R4



SEL25/SEL50/SEL60

SEL Emergency Light

LED Emergency Light
Adjustable Optic
Self-Diagnostics
SEL
Remote Capacity

UL LISTED

NFPA

T20 Certified to California Title 20 Appliance Database

0°to 40°C operating temperature range

LUMEN OUTPUT

Model	Lumens / Head
SEL25	109
SEL50	219
SEL60	309

Sure-Lites

CATALOG LOGIC FOR NON-REMOTE CAPABLE VERSIONS

SAMPLE NUMBER: SEL25, SEL50

Series	Coverage	Battery	Color	Self-Diagnostic	Head Shape	Full Catalog Options
SEL = LED Emergency Light	**25** = 25 feet **50** = 50 feet	__ = NiCad	__ = White	__ = No Self-Diagnostic **SD** = Self-Diagnostic	__ = Circular **SQ** = Square	**SEL25, SEL25SQ, SEL25SD, SEL25SDSQ, SEL50, SEL50SQ, SEL50SD, SEL50SDSQ**
Series	**Coverage**	**Battery**	**Color**	**Self-Diagnostic**		
SEL = LED Emergency Light	**25** = 25 feet	__ = NiCad	**BK** = Black	**SD** = Self-Diagnostic (standard)	__ = Circular **SQ** = Square	SEL25BKSD, SEL25BKSDSQ
SEL = LED Emergency Light	**50** = 50 feet	__ = NiCad	**BK** = Black	**SD** = Self-Diagnostic (standard)	__ = Circular	SEL50BKSD

CATALOG LOGIC FOR REMOTE CAPABLE VERSIONS

SAMPLE NUMBER: SEL25R10, SEL50R7, SEL60R4

Series	Spacing	Battery	Remote Capacity	Color	Self-Diagnostic	Full Catalog Options
SEL = LED Emergency Light	**25** = 25 feet	__ = NiCad	R10 = 10 watts	__ = White **BK** = Black	**SD** = Self-Diagnostic (standard)	SEL25R10SD SEL25R10BKSD
SEL = LED Emergency Light	**50** = 50 feet	__ = NiCad	R7 = 7 watts	__ = White **BK** = Black	**SD** = Self-Diagnostic (standard)	SEL50R7SD SEL50R7BKSD
SEL = LED Emergency Light	**60** = 60 feet	__ = NiCad	R4 = 4 watts	__ = White	__ = No SD **SD** = Self-Diagnostic	SEL60R4 SEL60R4SD
SEL = LED Emergency Light	**60** = 60 feet	__ = NiCad	R4 = 4 watts	**BK** = Black	**SD** = Self-Diagnostic (standard)	SEL60R4BKSD

Emergency Egress Coverage; fixture spacing

Catalog Number	Output Lumens	0.1fc minimum		1fc minimum	
		7.5 foot height	**20 foot height**	7.5 foot height	20 foot height
SEL25	**108**	25 feet	12 feet	14 feet	12 feet
SEL50	**218**	50 feet	30 feet	21 feet	20 feet
SEL60	**309**	60 feet	52 feet	24 feet	30 feet

ELECTRICAL CHARACTERISTICS DURING CHARGING MODE

SEL25 / SEL50 / SEL60

	120 volt			277 volt		
Model	Power (W)	Current (A)	PF	Power (W)	Current (A)	PF
SEL25	0.6	0.07	0.06	0.64	0.07	0.03
SEL25SD	0.6	0.07	0.07	0.67	0.07	
SEL50	1.0	0.15	0.05	1.02	0.14	
SEL50SD	1.2	0.15	0.06	1.19	0.14	
SEL60R4	1.7	0.25	0.06	1.62	0.21	
SEL60R4SD	2	0.3	0.07	1.8	0.2	
SEL25R10SD	2	0.3	0.07	1.8	0.2	
SEL50R7SD	2	0.3	0.07	1.8	0.2	

Sure-Lites

REMOTE SYSTEM DESIGN GUIDELINES

SEL25 / SEL50 / SEL60

	SEL Series Remote						
		Single Head Remotes			Double Head Remotes		
	SRPA	SRP13/SRM13	SRP25/SRM25	SRP30/SRM30	SRP25D/ SRM25D	SRP50D/ SRM50D	SRP60D/ SRM60D
Watts Consumed	3.5	1.25	2.5	4.1	2.5	5	8.2

Catalog Number	Remote Watts Available	# of SRPA Remotes Fixture Will Power	# of SRP/SRM13 Remotes Fixture Will Power	# of SRP/SRM25 Remotes Fixture Will Power	# of SRP/SRM30 Remotes Fixture Will Power	# of SRP25D/ SRM25D Remotes Fixture Will Power	# of SRP50D/ SRM50D Remotes Fixture Will Power	# of SRP60D/ SRM60D Remotes Fixture Will Power
SEL60R4	4	1	3	1	NA	1	NA	NA
SEL60R4SD	4	1	3	1	NA	1	NA	NA
SEL60R4BKSD	4	1	3	1	NA	1	NA	NA
SEL60R4BK	4	1	3	1	NA	1	NA	NA
SEL25R10	10	2	8	4	2	4	2	1
SEL25R10BK	10	2	8	4	2	4	2	1
SEL50R7SD	7	2	5	2	1	2	1	NA
SEL50R7BKSD	7	2	5	2	1	2	1	NA
SEL50R7	7	2	5	2	1	2	1	NA
SEL50R7BK	7	2	5	2	1	2	1	NA
SEL25R10SD	10	2	8	4	2	4	2	1
SEL25R10BKSD	10	2	8	4	2	4	2	1

SRP

SRPD

SRM

SRMD

SRPA WHITE

SRPA BLACK

SRPA BRONZE

SRPA SILVER

Sure-Lites

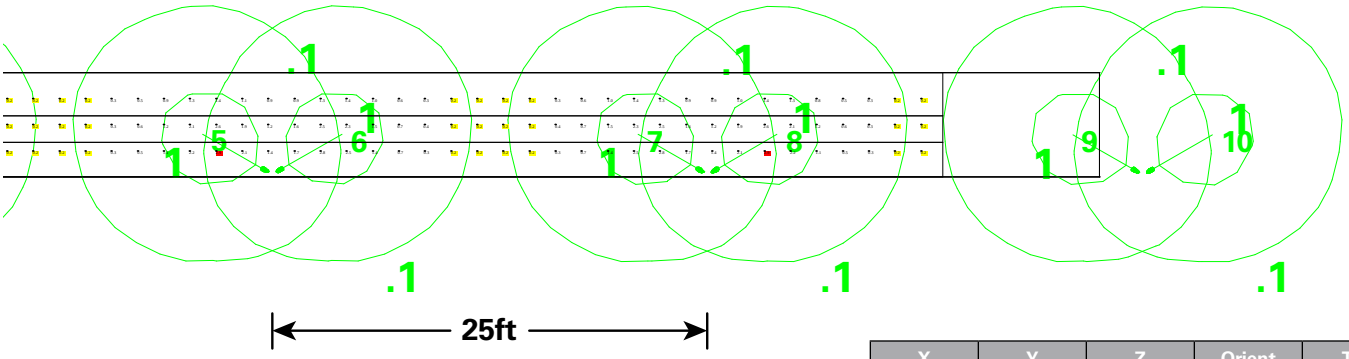
REMOTE SYSTEM DESIGN GUIDELINES

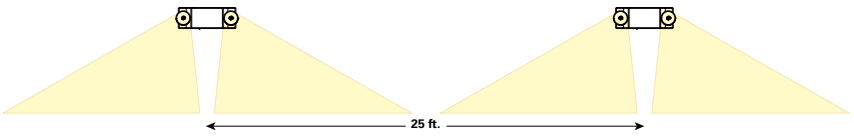
LEM Series Remote Wattage Consumption				
	Single Head Remotes		Double Head Remotes	
Catalog Number	LEMR1	LEMWR1	LEMR2	LEMWR2
Watts Consumed	1.4	1.4	2.8	2.8

LEM Series Remote Capacity					
Catalog Number	Remote Watts Available	# of LEMR1 Remotes Fixture Will Power	# of LEMWR1 Remotes Fixture Will Power	# of LEMR2 Remotes Fixture Will Power	# of LEMWR2 Remotes Fixture Will Power
SEL25R10SD	10	7	7	3	3
SEL25R10BKSD	10	7	7	3	3
SEL50R7SD	7	5	5	2	2
SEL50R7BKSD	7	5	5	2	2
SEL60R4	4	2	2	1	1
SEL60R4SD	4	2	2	1	1
SEL60R4BKSD	4	2	2	1	1

PHOTOMETRY

SEL25





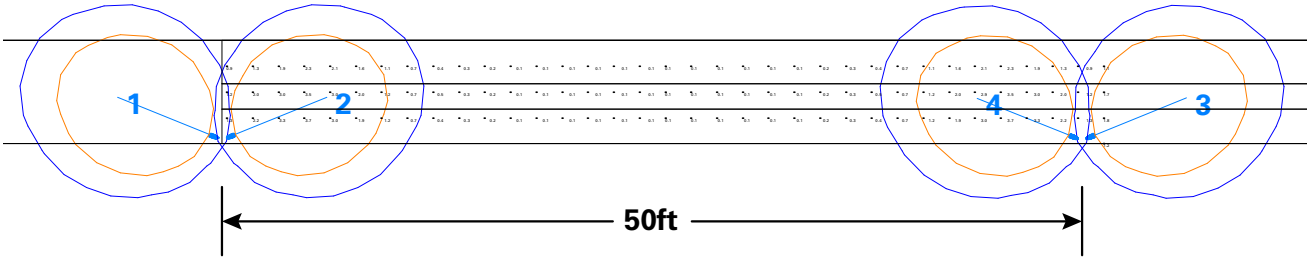
X	Y	Z	Orient	Tilt
-0.5	0.25	7.5	125	27
0.5	0.25	7.5	55	27
16.5	0.211	7.5	125	27
17.5	0.212	7.5	55	27
33.5	0.172	7.5	125	27
34.5	0.173	7.5	55	27
50.5	0.132	7.5	125	27
51.5	0.135	7.5	55	27
67.5	0.093	7.5	125	27
68.5	0.096	7.5	55	27
84.5	0.054	7.5	125	27
85.5	0.058	7.5	55	27
101.5	0.015	7.5	125	27
102.5	0.019	7.5	55	27

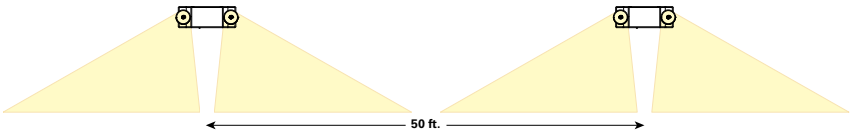
***The "Rule of Thumb" spacing guidelines are designed to achieve 1 foot-candle average and 0.1 foot-candle minimum with a 40:1 maximum/minimum ratio. The corridor used is 100 feet long, 9 foot ceiling with a 6 foot wide walkway and 3 foot path of egress. The reflectances are 80% ceiling, 50% walls and 20% floors. The fixture mounting height is 7.5 feet. Cooper Lighting Solutions assumes no responsibility for local requirements or specific project variables. This is a guideline to be used as a design aid, not as guarantee of any code compliance.

Sure-Lites

PHOTOMETRY

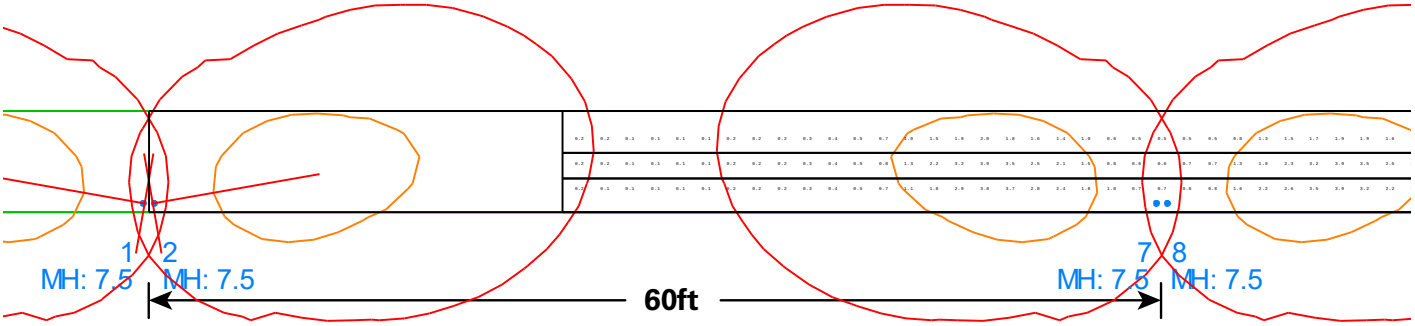
SEL50

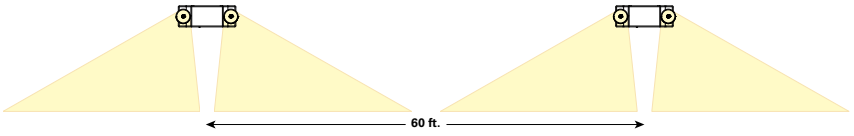




X	Y	Z	Orient	Tilt
24.25	0.33	7.5	158	40
24.75	0.33	7.5	22	40
74.75	0.3	7.5	22	40
74.25	0.292	7.5	158	40

SEL60





X	Y	Z	Orient	Tilt
-0.25	0.5	7.5	170	57
0.25	0.5	7.5	10	57
120.25	0.5	7.5	10	57
119.75	0.5	7.5	170	57
59.75	0.5	7.5	170	57
60.25	0.5	7.5	10	57
180.25	0.5	7.5	10	57
179.75	0.5	7.5	170	57

***The "Rule of Thumb" spacing guidelines are designed to achieve 1 foot-candle average and 0.1 foot-candle minimum with a 40:1 maximum/minimum ratio. The corridor used is 100 feet long, 9 foot ceiling with a 6 foot wide walkway and 3 foot path of egress. The reflectances are 80% ceiling, 50% walls and 20% floors. The fixture mounting height is 7.5 feet. Cooper Lighting Solutions assumes no responsibility for local requirements or specific project variables. This is a guideline to be used as a design aid, not as guarantee of any code compliance.

Sure-Lites

ALX-004-CL

SEL50
SEL60

TECHNICAL DATA

Mechanical Housing
All components are injection molded with a color stable, high impact thermoplastic resin. The surface is textured to improve aesthetic appearance. The housing construction is designed with snap-fit components and reinforcement ribs to provide maximum strength at minimum installation effort. The mounting hole pattern is universal to junction box requirements and is suitable for both wall and ceiling mount applications.

EZ Key – External Power Disconnect
Prevents the battery from cycling during the construction phase and ensures battery is not drained from power cycling.

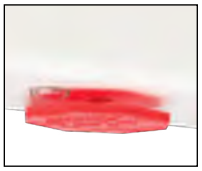
EZ Hang – Mounting Feature
The hands-free EZ Hang feature allows the installer to hang the emergency light face from the back plate in order to easily and efficiently make the power connections.

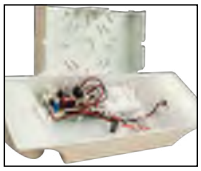
Self-Diagnostics
The self-diagnostic software will automatically perform all tests required by UL924, and NFPA101and will systematically calibrate itself in the field; thus reducing installation labor and eliminating manual calibration errors. The system indicates the status of the emergency light at all times using the LED indicator. A 90 minute battery power (emergency mode) simulation test will occur once every 12 months. A 30 second battery power simulation test will occur every 30 days.
The Solid-State microprocessor based system has the ability to accurately detect and warn of system failures, plus it incorporates all of the standard electronic features that sets Sure-Lites apart from its competition.

Low-Voltage Disconnect
The low-voltage circuitry disconnects the lighting load to protect the battery after run times in excess of the 90 minute UL limit. The disconnect remains in effect until normal utility power is restored preventing deep battery discharge.

Brownout Circuit
The brownout circuit on the SEL emergency light monitors the flow of AC current to the unit and activates the emergency light heads when a predetermined reduction of AC power occurs.

Warranty
SEL units are backed by a five-year warranty on the fixtures.


EZ Key


EZ Hang

SELF-DIAGNOSTIC TESTING OPERATIONS

The Sure-Lites Self-Diagnostics is continuously monitoring your emergency fixture, and will signal any failure through the 3 color indicator LED.

Initial Operation:
When the unit is first powered up it will go into a 24 hour fast charge and the indicator LED will pulse green. Once the unit has fully charged it will perform a self calibration. After self calibration, the LED will change to steady green indicating the unit is fully charged and float charging the battery to maintain readiness.

Automatic Testing:
The unit will perform a battery capacity, lamp/LED, and charge circuit test every 30 days for 30 seconds. During this time, the indicator LED will change to a steady yellow. It will perform a full battery capacity (90 minute) test once per year. During this time, the indicator LED will change to a blinking yellow.

Manual Testing:
- 10 Second "Installation" test – Press and release the test button once during fast charge (blinking green) to initiate a 10 second quick test. The sign will switch to emergency mode for 10 seconds allowing the installer to verify proper installation of the unit, and the LED indicator will turn solid yellow.
- 30 Second Test - Press and release the test button once during float charge (steady green). The indicator LED will turn steady yellow to indicate the unit is performing a 30 second test of the batteries and lamps/LEDs.
- 90 Minute Test - Press and release the test button a second time during a 30 second test (steady yellow) to change to a 90 minute test. During this test, the LED indicator will change to blinking yellow, and the circuit will perform a full battery capacity, charge circuit, and LED test.
- Canceling Test – Press and release the test button during the 90 minute test (flashing yellow) to return the fixture to its original state (fast charge or float charge)

Laser Test:
The SEL SD products are equipped with a Laser Test function that allows the unit to be manually tested without the need to physically press the test button. Shining a laser pointer in the hole marked "LASER TEST" on the bottom of the unit has the same effect as a press and release of the test button.

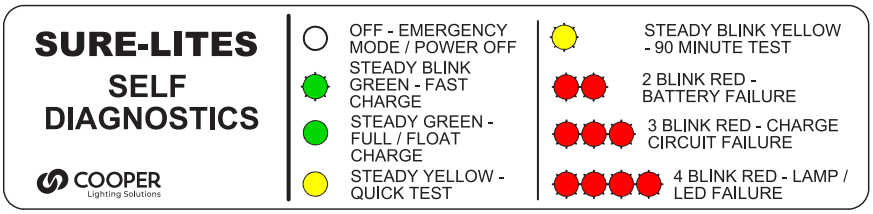
Clearing Failure Codes:
- A battery failure (LED two blink red) can be cleared by replacing the battery. Disconnecting the battery and AC power, or performing a full 90 minute discharge will reset the error code, however, it will return if the battery is faulty
- Charge Circuit (LED three blink red) and lamp/LED failure (LED four blink red) will clear when the unit successfully passes a manual or automatic 30 second test.

Sure-Lites

SELF-DIAGNOSTIC TESTING OPERATIONS

Indicators:
- LED Off - No power to unit, emergency mode.
- LED Steady Green - Unit is fully charged and is float charging the battery to maintain readiness.
- LED Green Pulse - Unit is in a 24 hour fast charge of the battery.
- LED Two Blink Red - Battery has failed a capacity test, or the battery is disconnected. See “Clearing Failure Codes” above.
- LED Three Blink Red - Battery charge circuit has failed. See “Clearing Failure Codes” above.
- LED Four Blink Red - Lamps have burned out, or on an EXIT/Combo, 50% or more of the LEDs have failed. See “Clearing Failure Codes” above.
- LED Steady Yellow - 30 second test or 10 second quick test (Fast Charge only).
- LED Blinking Yellow - 90 minute test.

Maintenance:
None required. Replace the batteries as needed according to ambient conditions. However, we recommend that the equipment be tested regularly in accordance with local codes.



Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

Specifications and dimensions subject to change without notice.

Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALX-004-SI

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Exit/Emergency Fixture
Item Type	Dual Head Emergency
Description	Dual Head Egress Fixture. For use with ALX-002 fixture.
Manufacturer	Signify/Chloride
Model	CLU2NW2R
Dimensions	10 1/4"W x 4 3/4"H x 2 5/8"D
Color	White
CSI #	265100 Interior Lighting
Omniclass #	22-265100 Interior Lighting
Lamp Type	LED/WHITE
Voltage	UNV 120-277
Mount	Wall/Ceiling Mounting
On Dimming System	No
Lead Time	In stock or 4 weeks
Warranty	5 Years
Notes	Lamp Kelvin: White Fixture Input: 2 X 1W

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

ALTERNATE MANUFACTURER 2

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Building Exits

CHLORIDE
by signify

Exit/Emergency

Compac

Emergency unit CLU2, CLU3

CLU2

CLU3

Project:

Location:

Cat.No:

Type:

Lamps: Qty:

Notes:

The Chloride Compac emergency units were designed to complement the Compac exit/emergency family in looks and reliability. They allow for immediate and safe egress in low light situations and work in harmony within commercial and light industrial applications. The CLU2 two lamp head model can be adjusted to provide the optimum amount of illumination. The CLU3's center lamp head is stationary while the two side lamps can be adjusted for the perfect left and right angles. These units come standard with self-diagnostic/self-test features to assure that they are ready at any time.

Ordering guide

Example: CLU2NWTD

Series		Battery		Color		Options[1]	
		N					
CLU2	Compac LED emergency unit, 2 lamps	N	Nickel Metal Hydride battery	W	White finish	2R[2]	Remote capability
				B	Black finish	TD[3]	Time delay
						LX[4]	Laser testing
						LH[5]	Less lamp heads
						LS[6]	Less Self-test feature
CLU3	Compac LED emergency unit, 3 lamps	N	Nickel Metal Hydride battery	W	White finish	1R[7]	Remote capability
				B	Black finish	TD[3]	Time delay
						LX[4]	Laser testing

1. Optional features cannot be combined with other optional features
2. **CLU2** feeds 2 single or 1 dual LED remote unit
3. 15 minute delay
4. Performs a manual test up to 40ft from unit, See **RLT** accessory for laser tester
5. Available in white finish housing only, feeds 4 single or 2 dual LED remote lamp heads
6. Contains self-diagnostic electronics but does not perform the automatic monthly test. Available in white finish housing only
7. **CLU3** unit with the 1R option feeds 1 LED remote lamp head

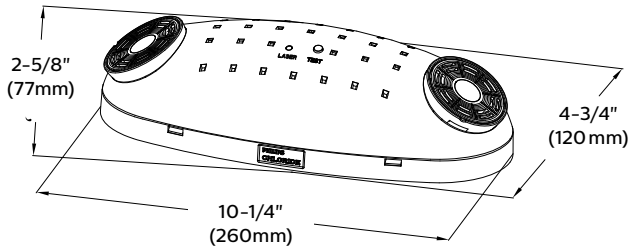
Accessories (order separately)

- **WG5** - Wire guard (for CLC exit/unit combos mounted flat against the wall)
- **RLT** - Remote Laser Tester

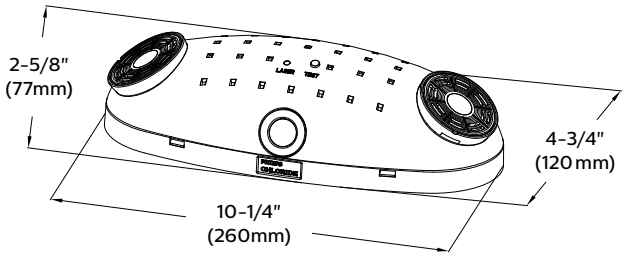
CLU2/CLU3 Compac emergency unit

Dimensions

CLU2



CLU3

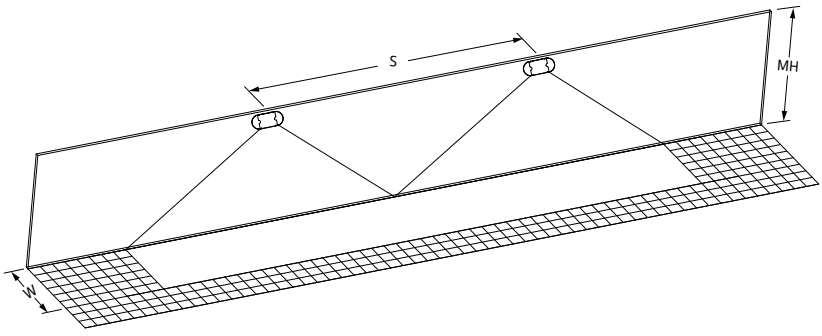


Performance

Meets Life Safety Code Illumination standard average of 1.0 FC, no point less than 0.1 FC max to min ratio of 40:1.
Assumes open space with no obstructions. NFPA 101, Life Safety Code matches California Fire Code of Regulations, Title 24.
Normal operation (off/standby) is not to be confused with emergency operation.

	Compac CLU2/3 emergency unit performance			
	80/50/20 Reflectance†		10/10/10 Reflectance‡	
Center-to-Center	3' Path	6' Path	3' Path	6' Path
CLU3 Unit	76'	76'	75'	75'
CLU2 Unit	76'	60'	63'	55'
Single Unit Coverage	3' Path	6' Path	3' Path	6' Path
CLU3 Unit	64'	64'	61'	57'
CLU2 Unit	56'	52'	48'	40'

†Based on 6ft corridor and 9ft ceiling height and a mounting height of 7.5ft.
‡Based on 200ft by 200ft open area and 30ft ceiling height.



CLU2/CLU3 Compac emergency unit

Codes and standards

- NFPA 70 (National Electric Code)
- NFPA 101 (Life Safety Code)
- ETL listed to Standard 924
- UL Listed for damp locations

Construction

- Wall or ceiling mounted
- UL 94 V-0.5VA Flame rated, UV stable thermoplastic housing
- Provisions for surface mounted conduit to top of wall mounted unit
- Back plate keyhole slots are easily removable knockouts for securing to single gang boxes, 3" J-boxes and 4" J-boxes

Installation

- Designed for wall or ceiling mount with a universal J-box pattern on back plate
- Surface conduit entry on top of housing in center of backplate
- **CLUx** unit mounts single gang boxes, 3" J-boxes and 4" J-boxes

Electronics

- 120/277VAC, 50-60Hz dual voltage selectable input
- Surge protected, solid state circuitry
- Charging systems are complete with low voltage disconnect (prevents deep discharge of battery), battery lockout (prevents discharge of battery during installation), and brownout protection

Power consumption

- **CLU2** 120V=0.036/277V=0.030
- **CLU3** 120V=0.055/277V=0.040

Lamps

- **CLU2** unit contains two - 2.2W adjustable LED lamp heads longlife LED lamp source head (5000K)
- **CLU3** unit contains three - 2.2W LED lamp heads longlife LED lamp source head (5000K) (two adjustable, one fixed)

Battery

- Maintenance-free sealed 7.2v Nickel Metal Hydride battery
- Manual test switch and LED light indicator
- Supplies emergency illumination for a minimum of 90 minutes
- Batteries have an approximated service life of 6 to 8 years at a operating temperature range of 10°C to 40°C (50°F to 104°F)

Remote capability

- **CLU2** emergency unit provides enough remote capability to supply DC power to 2 (**CLR1W**) LED remote lamps heads or 1 (**CLR2W**) dual LED remote lamp head.
- **CLU3** provides enough remote capability to feed one **CLR1W** LED remote lamp head.

Listings

- California Energy Commission, Title 20 compliant (Battery Charger)

Warranty

- Five year full warranty on unit.

Self-diagnostics/Self-test

The **CLU2/3** units contain self-diagnostic/self-test electronics as a standard feature. An automatic self-test is performed every month for 3 minutes, and a 30 minute self-test every six months. A manual test may also be performed at anytime by pressing the manual test button.

Manual testing:

Test button	Length of test
1 press	30 seconds
2 presses	3 minutes
3 presses	30 minutes
4 presses	90 minutes

Self-Diagnostic Red status indicator:

Indicator	Status
One blink	Battery is not connected
Two blinks	Battery voltage has dropped below acceptable value
Three blinks	Charger board circuit fault
Four blinks	Transfer fault
Five blinks	Lamp fault
Six blinks	Remote lamp head fault
Seven blinks	EXIT Led strip fault

The Self-diagnostic/self-test electronics meets the requirements of the National Electric Code and/or the National Fire Protection Association.

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Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALX-005-CL

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Exit/Emergency Fixture
Item Type	Exit
Description	Die Cast Aluminum Emergency Exit light sign with Battery Back up, double sided
Manufacturer	Cooper/Surelite
Model	CX72
Dimensions	9 1/4"H x 12 5/8" x 2 1/4"D
Material Composition	Die Cast Aluminum
CSI #	265100 Interior Lighting
Omniclass #	22-265100 Interior Lighting
Lamp Type	LED/RED
Voltage	120/277V
Mount	Wall/Ceiling Mounting
On Dimming System	No
Warranty	Fixture: 5 year

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Building Exits
Corridors

Project	Kathleen Kenny National Accounts	**Catalog #**	CX72	**Type**	ALX-005-CL
Prepared by	Kathleen Kenny National Accounts	**Notes**	Ph/Cell: 678-447-5208 Kathleen.kenny@cooperlighting.com	**Date**	August 2020

Sure-Lites

CX Series

Die-Cast Aluminum
Surface Mount LED Lamps
Exit Lighting

Typical Applications

Office • Education • Healthcare • Hospitality • Retail • Industrial • Manufacturing

Interactive Menu

- Order Information page 2
- Product Warranty

Product Certification

OSHA

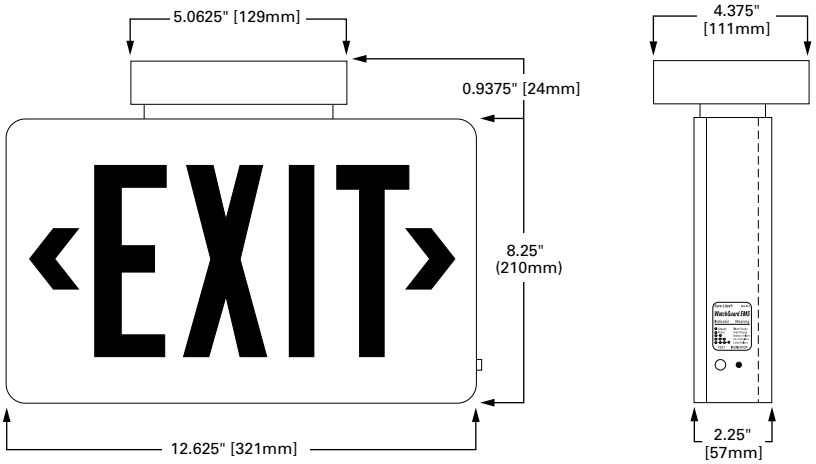
Product Features

UL LISTED

Top Product Features

- Dual voltage input 120/277 VAC, 60 Hz
- Die-cast aluminum housing
- Die-cast canopy included
- LED Lamping
- Self-diagnostic system (CX7 Only)

Dimensional Details



Ordering Information

SAMPLE ORDER NUMBER: **CX71, CX61, CX72WHSD90, CX6SB7, CX72SD23050**

Family	Series	Face Options	Housing Finish	Options
CX=Die Cast Aluminum Exit, LED	**6**=AC only **7**=Self Powered	**1**=Single **2**=Double **S**=Open Face for Signage	**Blank**=Brushed Aluminum Face w/Black Housing **WH**=White **BK**=Black	**Blank**=No additional options **2C**=Two Circuit Option (CX6 only) **SD**=Self Diagnostics with Fire Alarm Interface Capability (CX7 Only)

Notes

(1) Consult factory for additional custom signage options. (2) Blue Letters, White LED does not have the "SD" option.

Options for non-EXIT signs

Signage Options (Color)	Signage Options (Common Signs)
Blank =EXIT sign **R**=Red letter, Red LED **G**=Green letter, Green LED **B**=Blue letter, White LED (Non-SD Only)	**Blank**=EXIT sign **1** ="AREA OF RESCUE" **2** ="SALIDA" **3** ="STAIRS" **4** ="AREA OF REFUGE" **5** ="IN USE" **6** ="NOT AN EXIT" **7** =(WHEEL CHAIR SYMBOL) **8** ="X-RAY ON" **9** ="LASER IN USE" **10** ="DO NOT ENTER"

Available Accessories (Order Separately)

Protection Devices	Pendant Kit
WG10=Wall mount wire guard **WGS11**=Ceiling or End mount wire guard **VS1**=Polycarbonate Vandal Shield **VS1WP**=Polycarbonate Vandal Shield, Weather Proof	**CAX18PKWH**=18" Pendant Kit, White **CAX18PKBK**=18" Pendant Kit, Black **CAX18PKHTWH**=18" Hang True Pendant Kit, White

Product Specifications

Electrical

- **General Features**
- Field selected red and green sign capability standard on all units (units shipped red, field convert to green with supplied parts)
- Dual Voltage Input 120/277 VAC,60Hz
- **AC Only**
- Optional 2C (Two circuit, FTBR) available in 120/277 VAC in standard and emergency operation
- **Self Powered**
- Sure-Lites EZ Key patented external battery disconnect feature – prevents unnecessary battery drainage, saves on installation time
- Solid-state Voltage Limited Charger
- Brownout Circuit
- Low-Voltage Disconnect
- Test Switch/Power Indicator Light
- Standard 24 hour recharge time (max)
- Self-Diagnostic feature available as option

Housing Construction

- Die cast aluminum housing
- Die cast canopy included (for mounting convenience only
- no electrical components in canopy)
- Universal pattern knockouts on
- rear of single face housing for direct mounting to junction box
- Knockout provided on housing for surface attachment
- Exit can be universally mounted: ceiling, wall or end
- Choice of three finishes: black housing with brushed aluminum face, white housing with white face or black housing with black face
- NFPA 101 compliant knockout chevrons allow quick conversion to directional signs
- Single and double faced signs available, order separately

Code Compliance

- UL 924 Listed
- UL Damp Location (0-40° C)
- Life Safety NFPA 101
- NEC/OSHA
- Most State and Local Codes
- Suitable for Floor Proximity Installation
- UL Listed for 2C (FTBR)

Lamp Data

- AC LED: Red and green LED lamps provide uniform diffused illumination
- DC: Red and green LED DC lamps (Brighter in emergency mode)

Warranty

- Exit – 5 year
- Battery: 5-Year pro-rata

Technical Data

Lamps
- CX Series Exits use energy efficient, long life LED's to provide uniform diffuse illumination of the exit face. These red and green LEDs require no maintenance and consume less than one watt, on average.

Housing Construction
- Die cast aluminum with Brushed Aluminum face and black trim standard. Optional finishes include White and Black. NFPA 101 compliant knockout chevrons for easy conversion to directional sign. Universal pattern knockouts are in the back of the single face housing for direct mounting to junction box. Die cast aluminum alloy canopy included for universal mounting. Canopy is included for mounting convenience only–no electrical components in canopy.

Lens
- Lenses for the CX Series Exits are made from durable, impact resistant polycarbonate. All exit faces are designed with full 3/4" stroke snap-out or snap-in chevron directional indicators to insure maximum visibility and compliance with the latest codes. Units come with red lenses installed and green lenses included for field selectable red or green signs.

Sure-Lites EZ Key External Battery Disconnect (Self Powered Only)
- Patented technology that allows installers to externally control the battery connection. Better than line latching, allows installers to choose when the battery is connected so that it stays fresh longer. Allows battery to be disconnected after installation but before building is occupied, enabling emergency circuit to be shut down for power savings.

Brownout Circuit (Self Powered Only)
- The brownout circuit on Sure-Lites' exits monitors the flow of AC current to the exit and activates the emergency lighting system when a predetermined reduction of AC power occurs. This dip in voltage will cause most ballasted fixtures to extinguish causing loss of normal lighting even though a total power failure has not occurred.

Solid-State Transfer (Self Powered Only)
- The CX Series Exit incorporates solid-state switching which eliminates corroded and pitted contacts or mechanical failures associated with relays. The switching circuit is designed to detect a loss of AC voltage and automatically energizes the lamps using DC power. Upon restoration of AC power, the DC power will be disconnected and the charger will automatically recharge the battery.

Low Voltage Disconnect (Self Powered Only)
- When the battery's terminal voltage falls, the low-voltage circuitry disconnects the lighting load. The disconnect remains in effect until normal utility power is restored, preventing deep battery discharge.

Test Switch/Power Indicator Light (Self Powered Only)
- A test switch located on the side of the exit permits the activation of the emergency circuit for a complete operational systems check. The Power Indicator Light provides visual assurance that the AC power is on.

Sealed Nickel Cadmium Battery (Self Powered Only)
- Sure-Lites sealed nickel cadmium batteries are maintenance-free with a life expectancy of 15 years. The sealed rechargeable nickel cadmium battery offers high discharge rates and stable performance over a wide range of temperatures, from 0-40° C. The specially designed re-sealable vent automatically controls cell pressure, assuring safety and reliability. This battery is best suited for harsh ambient temperatures because the electrolyte is not active in the electrochemical process.

"2C" (AC Only)
- The "2C" Option enables the Exits to operate per the requirements of UL 924 when connected simultaneously to both normal and emergency power circuits (two circuit operation–UL Category FTBR–Emergency Lighting and Power Equipment). The "2C" Option alters the standard Exit such that it complies with and is UL Listed under the FTBR Category. This option should only be used for exits which are intended to be connected simultaneously to normal and emergency power circuits. Both circuits have universal 120/277 VAC standard.

Self Diagnostics Option (Self Powered Only)
- The self-diagnostic unit will automatically perform all tests required by UL924, and NFPA 101. The system indicates the status of the exit at all times using the LED indicator near the test switch on the side of the unit. A 90 minute battery power (emergency mode) simulation test will occur randomly once every 12 months. A 30 second battery power simulation test will occur every 30 days.

Photocell Test Switch
- Allows verification of proper operation of the transfer circuit and emergency lamps with a laser pointer (laser is sold as an accessory). The emergency lamps will test for 30 seconds when activated.

Warranty
- All Sure-Lites' products are backed by a firm five-year warranty against defects in material and workmanship. Maintenance-free, long-life, sealed nickel cadmium batteries carry a seven-year pro-rata warranty.

Laser tester

Part Number = LASER

(sold separately)

Energy and Performance Data

Maximum power consumption under all charge conditions:

AC Only, 120V - Red

Amps:	Watts:	Power Factor:
0.07	0.98	0.12

AC Only, 120V - Green

Amps:	Watts:	Power Factor:
0.07	1.02	0.13

AC Only, 277V - Red

Amps:	Watts:	Power Factor:
0.07	1.04	0.06

AC Only, 277V - Green

Amps:	Watts:	Power Factor:
0.07	1.12	0.06

Self Powered, 120V - Red

Amps:	Watts:	Power Factor:
0.07	0.98	0.12

Self Powered, 120V - Green

Amps:	Watts:	Power Factor:
0.07	1.00	0.13

Self Powered, 277V - Red

Amps:	Watts:	Power Factor:
0.07	1.03	0.06

Self Powered, 277V - Green

Amps:	Watts:	Power Factor:
0.07	1.09	0.05

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Specifications and dimensions subject to change without notice.

Architectural Lighting - Recessed

Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALR-029-CL

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Recessed Fixture
Item Type	Recessed Downlight
Description	Recessed Direct Mount 4" downlight with matte white reflector and flange, diffuse lens. Wet Location.
Manufacturer	Cooper/Halo
Model	ML4DM10LSFL9FS1E-TL40R2GMW
Dimensions	4.25" dia
Finish	White
Lamp Type	LED
Trim	Round Lensed Pinhole
Lamp Kelvin	3000K
Reflector	NFL - 25° Narrow Flood
Voltage	120
Mount	Recessed
On Dimming System	No
Delivered Lumens (LED) or Mean Lumens (Non-LED)	1000
Finish	Matte White Flange Black Lens Frame
Lens/Shade	Clear diffuser
Lamp CRI	90+
Lead Time	In stock or 4 weeks
Warranty	Five year limited warranty
Notes	Efficacy: 83.7 Lamp Life/Fixture Life: 50,000 Fixture Input (Max. Watts): 9.4

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 2

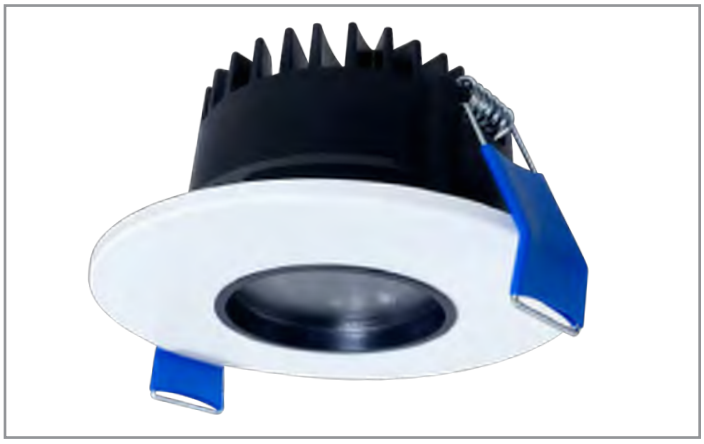
Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

AREAS

Lobby
Public Restrooms
Entrance Vestibule
Welcome Desk
Hub
Community
Corridors
Elevator Lobby
Buffet

ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Project		Catalog #	ML4DM10LSFL9FS1E-TL40R2GMW	Type	ALR-029-CL
Prepared by	Kathleen Kenny National Accounts 678-447-5208 kathleen.kenny@cooperlighting.com	Notes	Marriott standard set fixture 3000K, 1000 Lumen	Date	



HALO

ML4 Canless Downlighting System

A LED fixture fitting with remote driver suitable for direct mount without a housing or junction box can be used with round and square open, lens and lens wall wash trims providing various downlight and wall wash distributions.

Typical Applications

Residential • Hospitality • Retail

Interactive Menu

- Order Information page 2
- Product Specifications page 3
- Energy Data page 3
- Photometric Data page 4
- Product Warranty
- Dimming Guide

Product Certification

Refer to ENERGY STAR® Certified Products List.
Can be used to comply with California Title 24 High Efficacy requirements.
Certified to California Appliance Efficiency Database under JA8.

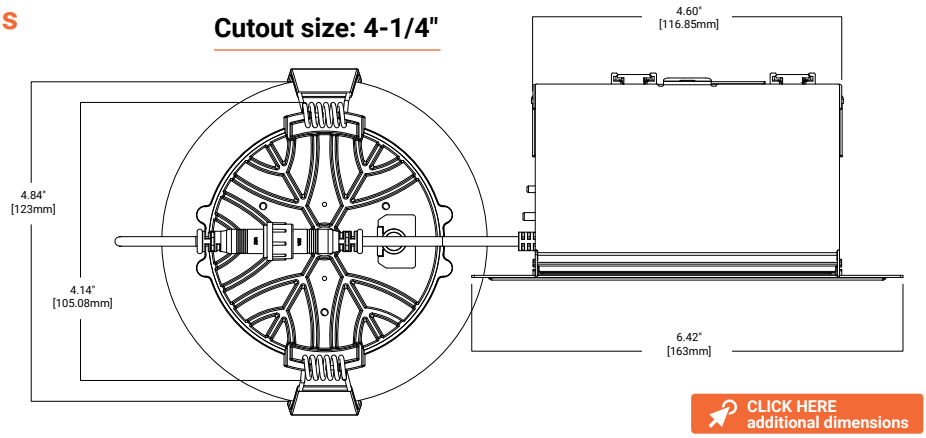
Product Features

Top Product Features

- Field selectable 2700, 3000, 3500, 4000 or 5000K CCT, 90 CRI minimum
- Optional full spectrum color, 95 CRI minimum
- Optional warm dimming, field selectable 2700 – 1800 or 3000 – 1800K CCT ranges
- Field selectable 600, 800 or 1000 lumens
- Field interchangeable 25°, 40°, 55° or wall wash distribution patterns, ships with 40 degree installed
- Installs from below, does not require a recessed housing or junction box
- Remote driver / junction box
- 120V LE/TE phase cut or 120-277V 0-10V dimming to 5% with select controls

Dimensional and Mounting Details

Cutout size: 4-1/4"



CLICK HERE
additional dimensions

Order Information

SAMPLE ORDER NUMBER: **ML4DM10LSFL9FS1E - TL41RMW**

A complete luminaire consists of a fixture fitting + trim, order separately.

Fixture Fitting

Catalog Number	Description
ML4DM10LSFL9FS1E	4" Canless, Lumen Select(600/800/1000lms), 5CCT selectable, 90CRI, 40° optic, 120V, LE/TE 5% Dim
ML4DM10LSFL9FSE010	4" Canless, Lumen Select(600/800/1000lms), 5CCT selectable, 90CRI, 40° optic, 120-277V 0-10V 5% Dim
ML4DM08LSFL95FS1E	4" Canless, Lumen Select(400/600/800lms), 5CCT selectable, 95CRI, 40° optic, 120V LE/TE 5% Dim
ML4DM06FLD2W1E	4" Canless, 600lms, Selectable D2W, 90CRI, 40° optic 120V LE/TE 5% Dim

Accessories

Accessories
TIR4D25NFL = 25° narrow flood optic **TIR4D40FL** = 40° flood optic **TIR4D55WFL** = 55° wide flood optic **TIR4D25AWW** = 25° narrow flood asymmetric wall wash optic **TIR45MH12PK** = replacement media holder, package of 12 **L100 Series** = 2.0" lens and filters, see spec sheet **HL4RSMF** = 4" Mounting Frame (Round or Square)

Trims / Shielding / Flange Finish

Trims	Shielding	Flange Finish
TL40R = 3-1/2" conical reflector [8]	**2G** = Diffuse lens	**MW** = Matte white reflector and flange
TL41R = 2" round pinhole **TL42S** = 2" square pinhole	None	**MW**=Matte white flange **MB**=Matte black flange **BN**=Brushed nickel flange **ORB**=Oil rubbed bronze flange **GB**=German bronze flange **BCu**=Brushed copper flange
TL43R = 2" round lens pinhole **TL44S** = 2" square lens pinhole	**2G** = Diffuse lens	**MWWB** = Matte white flange, white lens frame **MWBB** = Matte white flange, black lens frame **MBBB** = Matte black flange, black lens frame **BNBB** = Brushed nickel flange, black lens frame **ORBBB** = Oil rubbed bronze flange, black lens frame **GBBB** = German bronze flange, black lens frame **BCuBB** = Brushed copper, black lens frame
TL45R = 2" round lens wall wash **TL46S** = 2" square lens wall wash	**6G** = Linear spread lens	**MWWB** = Matte white flange, white lens frame **MWBB** = Matte white flange, black lens frame
Notes (8) TL40R trim provides 1.15" lens regression to ML4 fixture.	**Notes**	**Notes**

Product Specifications

Housing
- Die cast aluminum housing provides passive thermal cooling achieving L70 at 50,000 hours in IC and non-IC applications
- Retention springs holds housing securely in 3/8" to 1-1/2" thick ceilings, can be removed for service or replacement
- Not suitable for 2x4 framing

Optional Mounting Frame
- Pre-galvanized steel mounting frame locates fixture fittings during electrical rough-in and provides cutout guidance for drywall contractor
- Provides attachment of remote driver / junction box

LED Array
- Proximity phosphors over chip on board LEDs provide a uniform source with high efficiency and no pixilation
- Available in 90 CRI minimum, R9 greater than 50 and color accuracy within 3 SDCM at end points and 4 SDCM in the middle providing color accuracy and uniformity

VividTune
- Field selectable 2700, 3000, 3500, 4000 or 5000K CCT, factory set at 3000K CCT
- Optional full spectrum color, 95 CRI minimum with R1-R15 values ranging from 92 to 100, excellent TM-30 metrics; Rf ranging from 96-98 and Rg >98
- Field selectable 600, 800 and 1000 lumens

VividTune
- D2W™ dim-to-warm option shifts color temperature from 3000 to 1800 K CCT or 2700 to 1800 K CCT as fixture dims mimicking the black body dimming response of halogen or incandescent lamps

Trims
- Field interchangeable trims are available in 3-1/2" aperture conical and 2-inch round or square pinhole apertures
- Available in a broad range of painted or plated finishes, can be painted in the field to match any décor
- Magnetic attachment holds trim tightly to ceiling and minimizes light leaks
- Conical trim provides 1.15" lens regression to ML4 fixture.

Primary Optic
- Precision molded TIR optic organizes source flux into useful beams without stray lumens in the field
- Low glare, UGR < 17
- Two-piece construction with matte black mounting ring and polarized turn and lock mounting aligns optic to source and minimizes backlight in the housing
- Meets ENERGY STAR® color angular uniformity requirements, color deviation is typically less than 0.004 u' v'
- Available in narrow flood, flood, wide flood and asymmetric wall wash distributions, ships with flood optic factory installed, order alternate distributions or replacements separately

Media
- Integral media holder accepts (2) lens or louver 2" diameter 3.0mm thick color filters, lens or louvers
- Order media separately

Driver
- Integral 120V 60 Hz constant current driver provides noise free operation
- Continuous, flicker-free dimming from 100% to 5% with select leading or trailing edge 120V phase cut control
- Optional UNV 120-277V 50/60 Hz driver with 0 -10V analog dimming from 100% to 5%

Remote Driver / Junction Box
- Pre-galvanized steel driver/junction box with captive hinged junction box cover
- Listed for six #12 AWG 90° C splice conductors, two in, two out plus ground
- Two 1⁄2" conduit pry-outs
- Two Slide-N-Side™ non-metallic (NM) wire traps allow wiring outside the box
- Accepts NM cable types: 14-2, 14-3, 12-2, 12-3 (U.S.) and 14-2, 14-3, 12-2 (Canadian)
- Three 4-port push wire nuts with clear caps for quick and reliable mains voltage connections
- Integral mounting holes facilitate direct mounting to building structure or mounting frame

Compliance
- UL Certified US and Canada
- Damp and wet location listed, covered ceilings only and IP65, below the ceiling only with lens trims
- Airtight per ASTM-E283
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- EMI/RFI emissions per FCC 47CFR Part 15 consumer limits
- Contains no mercury or lead and RoHS compliant
- Photometric testing in accordance with IES LM-79-08
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11
- ENERGY STAR® certified, reference Certified Light Fixtures database
- Can be used for State of California Title 24 high efficacy LED compliance under JA8, reference Modernized Appliance Efficiency Database System (MAEDBS) for 2019 JA8 High Efficacy Lighting

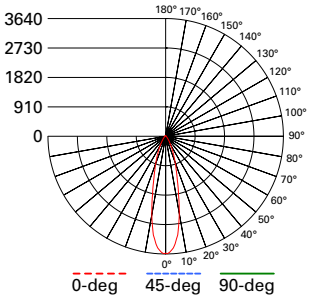
Warranty
- Five-year limited warranty, consult
- website for details www.cooperlighting.com

Energy Data

	ML4DM10LSFL9FS1E	ML4DM10LSFL9FSE010		ML4DM08LSFL95FS1E	ML4DM06FLD2W1E
Lumens (nom)	1000	1000	1000	800	600
Input Voltage (VAC)	120	120	277	120	120
Input Current (A)	0.11	0.10	0.05	0.11	0.08
Efficiency (LpW)	83.7	82.3	N/A	65.5	74.7
Inrush Current (A)	3.1	1.8	2.8	3.1	2.2
Inrush Duration (ms)	0.036	0.048	0.043	0.036	0.039
THD	≤ 20%	≤ 20%	≤ 20%	≤ 20%	≤ 20%
PF	≥ 0.90	≥ 0.90	≥ 0.90	≥ 0.90	≥ 0.90
T Ambient (C)	-30 to +40	-30 to +40	-30 to +40	-30 to +40	-30 to +40
Sound Rating	≤ 22 dba	≤ 22 dba	≤ 22 dba	≤ 22 dba	≤ 22 dba

Photometric Data

View IES files



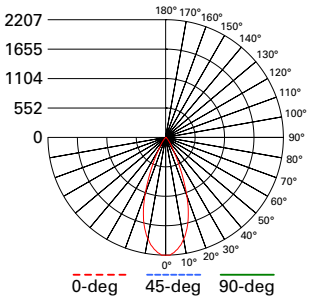
ML4DM10LSNFL9FS1E - TIR4D25NFL - TL41R_ TL42S_ 3000K

Spacing criterion:
(0-180) 0.43 | (90-270) 0.43 | (Diagonal) 0.46
Beam Angle: 25°
Field Angle: 56°
Lumens: 1056
Input Watts: 12.9 W
Efficacy: 81.9 LPW
UGR: 11
Test Report: P601453

Zonal Lumen	Lumens	% Lumens
0-30	930	88.1
0-40	1023	96.9
0-60	1054	99.8
0-90	1056	100

TM-30-15	Rf = 94
	Rg = 99
CRI/CIE	Ra = 96.4
	R9 = 74

CCT - Range of 2700K- 5000K



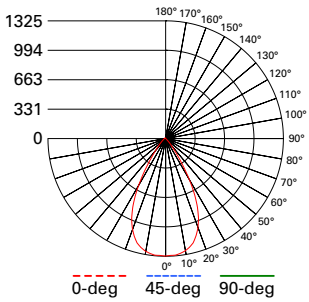
ML4DM10LSFL9FS1E - TIR4D40FL - TL41R_ TL42S_ 3000K

Spacing criterion:
(0-180) 0.67 | (90-270) 0.67 | (Diagonal) 0.63
Beam Angle: 40°
Field Angle: 64°
Lumens: 1050
Input Watts: 12.9 W
Efficacy: 81.4 LPW
UGR: 11
Test Report: P601443

Zonal Lumen	Lumens	% Lumens
0-30	924	88
0-40	1017	96.9
0-60	1049	99.9
0-90	1050	100

TM-30-15	Rf = 94
	Rg = 99
CRI/CIE	Ra = 96.4
	R9 = 74

CCT - Range of 2700K- 5000K



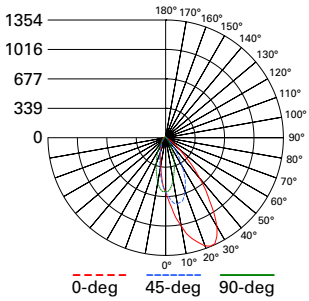
ML4DM10LSWFL9FS1E - TIR4D55WFL - TL41R_ TL42S_ 3000K

Spacing criterion:
(0-180) 0.91 | (90-270) 0.91 | (Diagonal) 0.84
Beam Angle: 56°
Field Angle: 79°
Lumens: 1062
Input Watts: 12.9 W
Efficacy: 82.3 LPW
UGR: 12
Test Report: P601463

Zonal Lumen	Lumens	% Lumens
0-30	846	79.7
0-40	1021	96.2
0-60	1062	100
0-90	1062	100

TM-30-15	Rf = 94
	Rg = 99
CRI/CIE	Ra = 96.4
	R9 = 74

CCT - Range of 2700K- 5000K



ML4DM10LSAWW9FS1E - TIR4D25AWW - TL41R_ TL42S_ 3000K

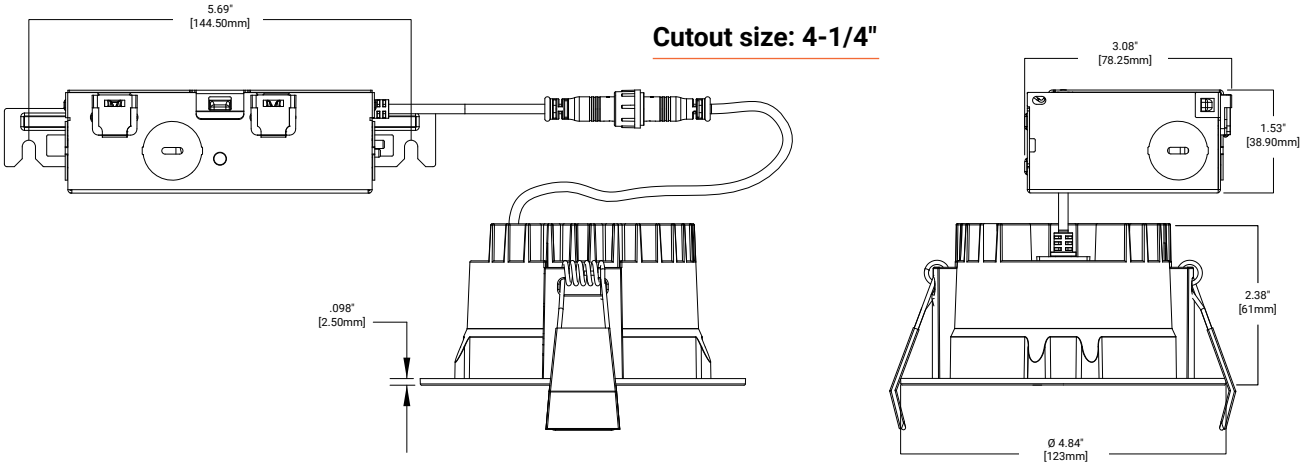
Spacing criterion:
(0-180) 1.31 | (90-270) 0.61 | (Diagonal) 0.81
Beam Angle: 25°
Tilt Angle: 23°
Lumens: 625
Input Watts: 12.9 W
Efficacy: 48.4 LPW
Test Report: P601428

Zonal Lumen	Lumens	% Lumens
0-30	389	62.2
0-40	525	84.1
0-60	618	98.9
0-90	625	100

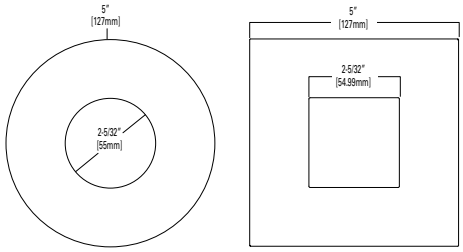
TM-30-15	Rf = 94
	Rg = 99
CRI/CIE	Ra = 96.4
	R9 = 74

CCT - Range of 2700K- 5000K

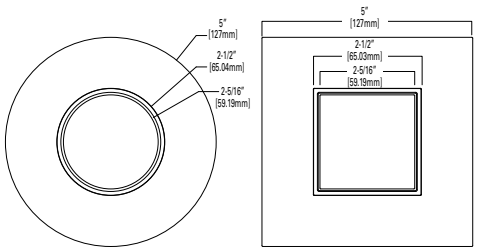
Dimensional and Mounting Details



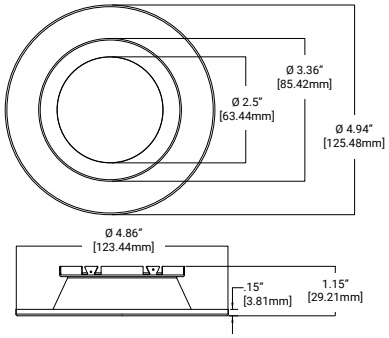
Lens Pinhole Downlight



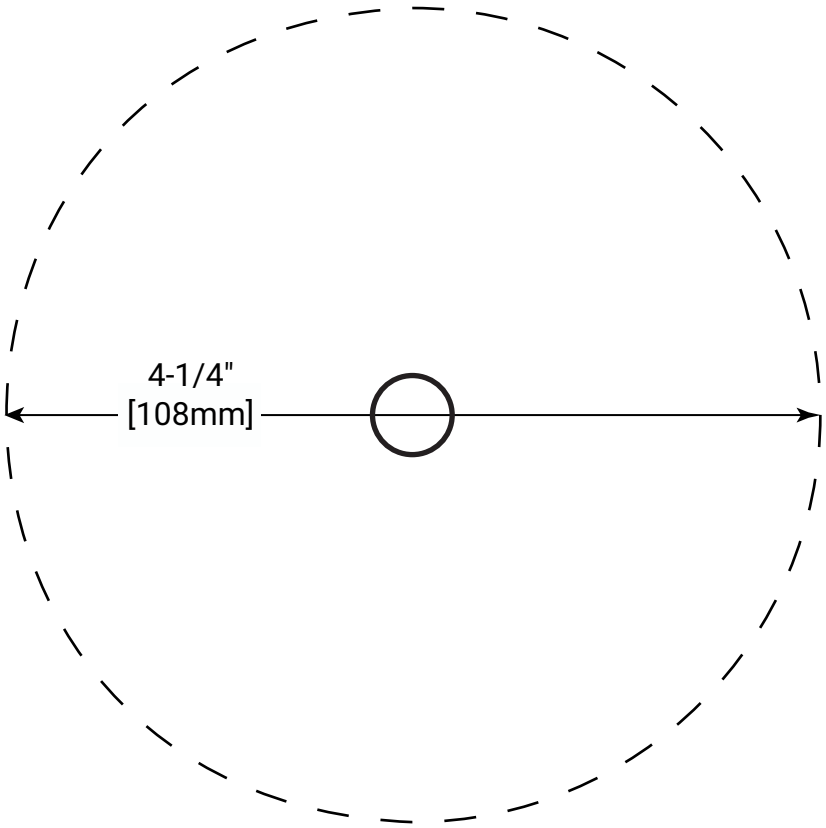
Lens Wall Wash



Lens Conical Reflector



Cutout dimension



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Specifications and dimensions
subject to change without notice.

Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALR-029-SI

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Recessed Fixture
Item Type	Recessed Downlight
Description	5" Downlight Recessed
Manufacturer	Signify/Lightolier
Model	L5R10AZ10UVB/L5R10930VB/L5RDD
Dimensions	5.5" W x 8.5"L x 3.5"H
Lamp Type	LED
Trim	Round 5" Aperture
Lamp Kelvin	3000K
Reflector	NFL - 25° Narrow Flood
Voltage	120-277V
Mount	Recessed
On Dimming System	No
Delivered Lumens (LED) or Mean Lumens (Non-LED)	953
Finish	Matte White
Lens/Shade	Flange Opal Lens
Lamp CRI	94
Lead Time	In stock or 4 weeks
Warranty	Five year limited warranty
Notes	Lamp Life/Fixture Life: 50000 Fixture Input (Max. Watts): 12W

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

ALTERNATE MANUFACTURER 2

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Lobby
Public Restrooms
Entrance Vestibule
Welcome Desk
Community
Corridors
Elevator Lobby
Buffet

LIGHTOLIER
by signify

Downlighting

LyteCaster LED 5"

L5 Downlights & Adjustables

ALR-029-SI

LyteCaster LED Downlights are ideal general purpose downlighting solution, providing comfortable, quality light. Available in new construction and remodeler frame with interchangeable light engine that is offered in two lumen packages. The downlight is wet location listed and comes in 3 standard option.

Project:
Location:
Cat.No:
Type:
Qty:
Notes:

Complete unit = Housing + Downlight or Adjustable Light Engine + Trim (order each separately)

Housing

example: L5R15AE1VB

Series	Lumens	Installation (all with AirSeal IC)	Dimming	Version
L5R		**A**	**Z10U**	**VB**
L5R LyteCaster 5" (for round and square configurations)	**10** 1000lm **15** 1500lm	**A** New Construction w/ Screws **AN** New Construction w/ Nails	**E1** Phase Control (ELV/TRIAC 120V) **Z10U** 0-10V (Universal 120-277V)	**VB** Version B
	10 1000lm **15** 1500lm	**R** Remodeler		

Downlight Light Engine

example: L5R15930VB

Series	Lumens	CRI/CCT	Finishes	Version
L5R		**930**		**VB**
L5R LyteCaster 5" round downlight (compatible with square trims)	**10** 1000lm **15** 1500lm	**927** 90 CRI / 2700K **930** 90 CRI / 3000K **935** 90 CRI / 3500K **940** 90 CRI / 4000K **950** 90 CRI / 5000K	**–** Specified with Trim below	**VB** Version B

Adjustable Light Engine

example: L5R15930WVB

Series	Lumens	CRI/CCT	Finishes	Version
L5RA				**VB**
L5RA Lytecaster 5" round adjustable (trim is integrated)	**10** 1000lm **15** 1500lm	**927** 90 CRI / 2700K **930** 90 CRI / 3000K **935** 90 CRI / 3500K **940** 90 CRI / 4000K **950** 90 CRI / 5000K	**W** White Reflector / White Flange (integral to light engine for adjustable, do not specify Trim seperately)	**VB** Version B

Trim (for downlights only)

example: L5RDW

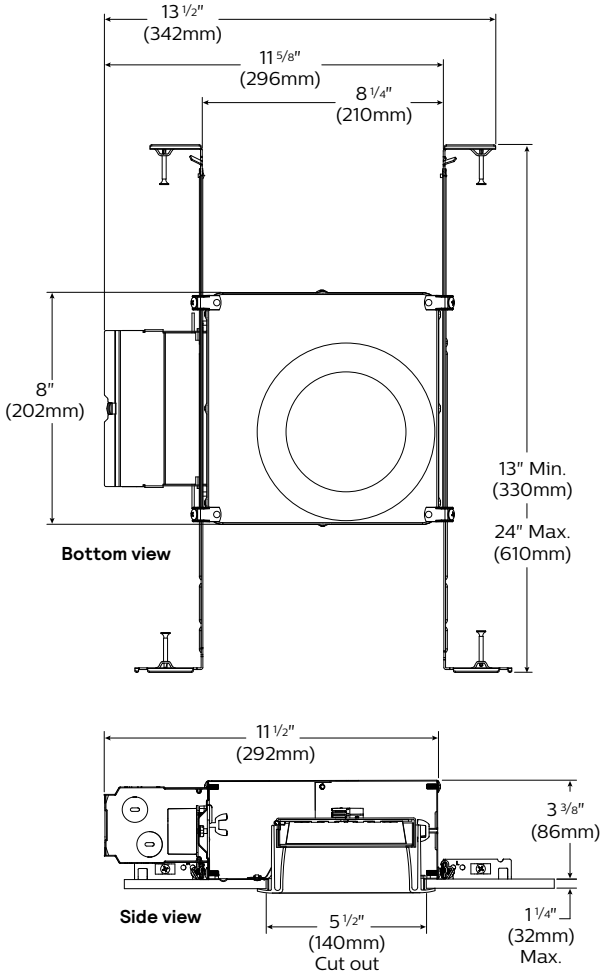
Series	Style/Finish/Flange
L5R	**DD**
L5R LyteCaster 5" round downlight **L5S** LyteCaster 5" square downlight	**DD** Open Downlight / Clear Diffuse / White Flange **DW** Open Downlight / White Finish / White Flange **BW** Baffle Downlight / White Finish / White Flange

WET LOCATION
c UL us LISTED
RoHS COMPLIANT
ENERGY STAR

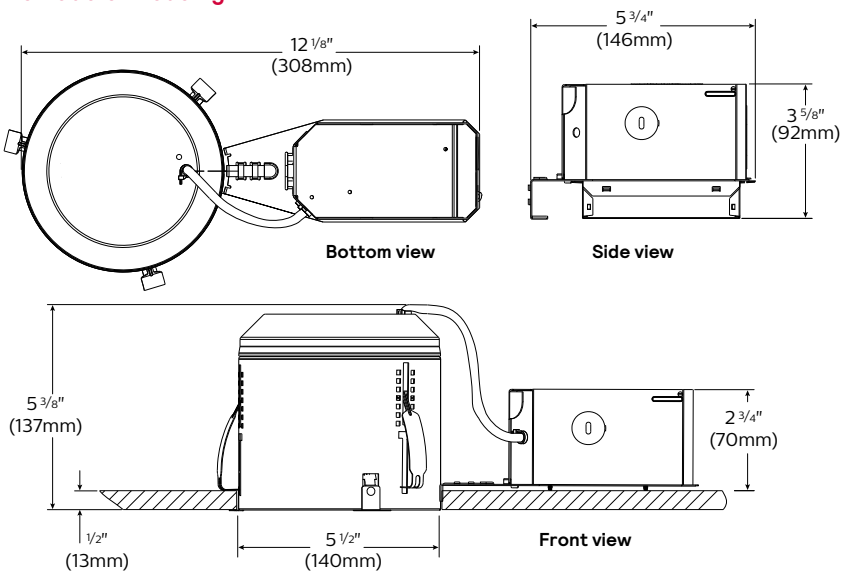
L5R & L6S LyteCaster LED 5"

Round & Square downlights and Round adjustables (1000lm & 1500lm)

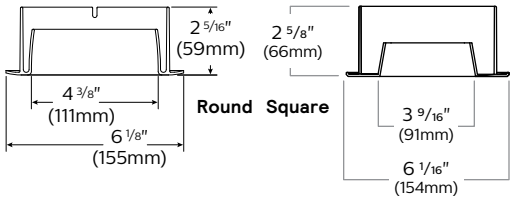
New construction housing



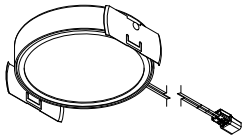
Remodeler housing



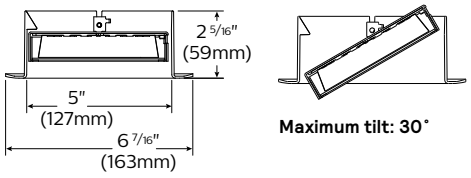
Downlight trim



Light engine



Adjustable light engine/trim



Features

Housing: UL listed for direct contact with thermal insulation. Airseal® housing minimizes air leakage to less than 2 CFM at 1.57PSF (or 75PA), which complies with the International Energy Conservation Code, and Washington State Energy Code (Section 502.4). This reduces heat loss and condensation in ceiling.

Housing (new construction): .026" galvanized steel. Access door for inspection of junction box.

Housing (remodeler): .032" aluminum. Integral retaining spring secures housing to ceilings up to 2" thick. Removable for access to junction box and ceiling plenum. 5½" maximum for use in 2"x6" joist construction and shallow plenum applications.

Junction Box (new construction): 2½"x5⅜"x2" (27 cu. in) .032" galvanized steel. UL listed 90°C supply conductors. Rated for branch circuit wiring supplying connected luminaires (daisy chaining).

Junction Box (remodeler): 2½"x2½"x4⅛" (29 cu in.) .031" galvanized steel. UL listed for 90°C supply conductors. Rated for branch circuit wiring supplying connected luminaires.

Retaining clips: Permits fast and easy installation of light engine/trim.

Lower frame and top cover: .026" galvanized steel. Accommodates ceilings up to 1" (25mm) thick. Deep integral lip is ⅜" (9.5mm) with four notches at 90° apart to simplify alignment. Locks into position along length of mounting bars with locking screws.

Driver – ELV /Triac: 120V, 50/60Hz. RoHS compliant, Class 2 power supply. Complies with FCC rules per Title 47 Part 15 (Class B) for EMI/RFI (conducted & radiated). Class A sound rating.

Driver – 0-10V: 120/277V, 50/60Hz. RoHS compliant, Class 2 power supply. Complies with FCC rules per Title 47 Part 15 (Class A) for EMI/RFI (conducted & radiated). Class A sound rating.

Mounting bars: .059" galvanized steel. Bars pivot for easy attachment and wire-in below ceiling line. Bars extend to accommodate 16" (406mm) to 24" (610mm) O.C. joist spacing. Bars can accommodate 12" (305mm) O.C. joist spacing after a slight field modification (see Instruction sheet). Features integral self tapping phillips/square drive screws for secure attachment to wood or metal construction. Also available with integral nails. Attaches to T-bar ceilings without the need of accessories. Bars installed on shortest dimension of frame,but can be easily repositioned 90° from original position.

Ceiling cutout: 5½" (140mm).

ENERGY STAR®

Product family has ENERGY STAR® certification in all configurations.

Dimming Compatibility

See LED-DIM Specification Sheet.

Electrical

Lifetime: Expected lifetime 50,000 hours and backed by a 5-year warranty. (see Signify.com/warranties for details)

Labels

- cULus Listed Type I.C., frames are suitable for damp location and wet listed for use in covered ceilings.
- Trims are cULus suitable for damp location.
- Complies with Air Leakage.
- ENERGY STAR® certified.

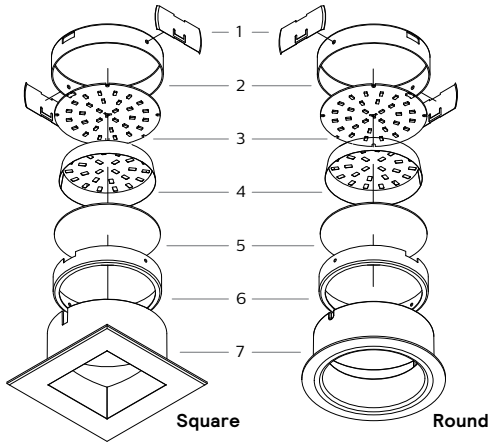
L5R & L6S LyteCaster LED 5"

Round & Square downlights and Round adjustables (1000lm & 1500lm)

Light Engine

Components

1. **Retaining clips:** 29 gauge Stainless Steel, allows tool-less installation of light engine to trim.
2. **Engine housing:** (0.05") thick powder coated aluminum provides integrated thermal management allowing for a low profile at less than 3-1/2" tall.
3. **LED board:** High efficiency mid-flux LED's.
4. **Mixing chamber:** 98% reflective, highly diffuse film.
5. **Diffusion lens:** (0.06") thick acrylic opal lens provides an even source of illumination.
6. **Retaining ring:** (0.04") thick powder coated aluminum, secures module components.
7. **Reflector:** 30% glass reinforced injection molded polycarbonate is durable and provides a 70° cutoff to the source.



Electrical specifications

Frame-in kit / Remodeler	Lumens	Input volts	Input freq.	Input current	LED drive current	Input power	LED power	THD factor	Power factor
L5RAE1VB / L5R10RE1VB	1000	120V	50/60Hz	0.10A	260mA	12W	10W	<20%	>0.9
L5RAZ10UVB / L5R10RZ10UVB	1000	120V	50/60Hz	0.11A	260mA	13W	11W	<10%	>0.9
		277V	50/60Hz	0.06A	260mA	13W	11W	<15%	>0.9
L5R15AE1VB / L5R15RE1VB	1500	120V	50/60Hz	0.16A	375mA	15W	13W	<20%	>0.9
L5R15AZ10UVB / L5R15RZ10UVB	1500	120V	50/60Hz	0.26A	375mA	16W	13W	<10%	>0.95
		277V	50/60Hz	0.11A	375mA	16W	13W	<15%	>0.95

Trim & Finish options

Open Downlight Clear Diffuse White Flange (DD)

Open Downlight White Finish White Flange (DW)

Baffle Downlight White Finish White Flange (BW)

Open Downlight Clear Diffuse White Flange (DD)

Open Downlight White Finish White Flange (DW)

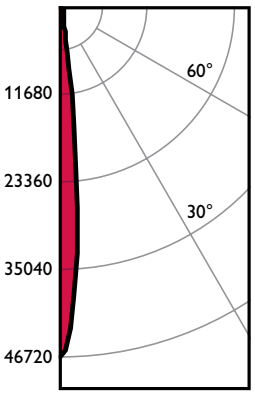
Baffle Downlight White Finish White Flange (BW)

White Reflector White Flange (adjustable)

L5R & L6S LyteCaster LED 5"

Round & Square downlights and Round adjustables (1000lm & 1500lm)

90 CRI / 3000K, 650 lumens



Angle	Mean CP	Lumens
0	307	
5	303	29
10	297	
15	289	81
20	275	
25	258	119
30	241	
35	216	135
40	191	
45	162	125
50	132	
55	103	92
60	74	
65	49	50
70	33	
75	24	25
80	15	
85	6	7
90	0	

Housing:
L4RAE1VB, L4RAZ10UVB
L4R06RE1VB, L4R06RZ10UVB

Light Engine:
L4R06835VB

Trim:
L4RDW

Output lumens:	662.8 lm
Input Watts[1]:	6.9 W
Spacing Crit.:	1.2
Efficacy:	96.1 lm/W
CCT[2]:	3500 K
CRI:	≥80
Report no[3]:	659GFR

Single unit data

Height to Lighted Plane	Initial Center Beam Foot-Candles	Beam Dia. (ft)*
5'	12	6.0'
6'	9	7.2'
7'	6	8.4'
8'	5	9.6'
9'	4	10.8'

* Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data – RCR 2

Spacing on center	Initial Center Beam Foot-Candles	Watts per Sq. Ft.
5'	27.6	0.31
6'	18.1	0.20
7'	13.0	0.14
8'	10.8	0.12
9'	8.6	0.10

38'x38'x10' Room, Workplane 2.5' above floor, 80/50/20% Reflectances

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method – Effective floor reflectance = 20%										
0	119	119	119	119	116	116	111	111	106	106	100
1	110	106	102	99	104	97	100	94	96	91	87
2	101	94	88	83	92	82	89	80	86	78	75
3	93	84	77	71	82	70	80	69	77	68	65
4	86	75	67	61	74	61	72	60	69	59	56
5	80	68	60	54	67	53	65	53	63	52	50
6	74	62	53	47	61	47	59	47	57	46	44
7	69	56	48	42	55	42	54	42	53	42	39
8	64	52	44	38	51	38	50	38	48	38	36
9	60	48	40	35	47	34	46	34	45	34	32
10	57	44	37	32	44	31	43	31	42	31	29

Room Cavity Ratio

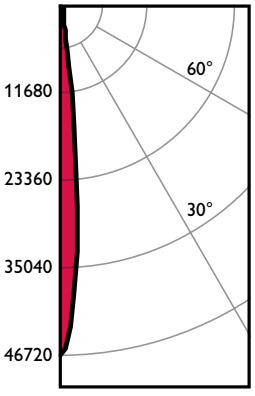
Zonal lumens & percentages

Zone	Lumens	%Luminaire
0-30	229	34.5%
0-40	364	54.9%
0-60	581	87.6%
0-90	663	100.0%

CRI and CCT adjustment factors

90CRI 2700K:	= 0.71
80CRI 2700K:	= 0.89
80CRI 3000K:	= 0.97
80CRI 3500K:	= 1.00

90 CRI / 3000K, 650 lumens



Angle	Mean CP	Lumens
0	307	
5	303	29
10	297	
15	289	81
20	275	
25	258	119
30	241	
35	216	135
40	191	
45	162	125
50	132	
55	103	92
60	74	
65	49	50
70	33	
75	24	25
80	15	
85	6	7
90	0	

Housing:
L4RAE1VB, L4RAZ10UVB
L4R06RE1VB, L4R06RZ10UVB

Light Engine:
L4R06835VB

Trim:
L4RDW

Output lumens:	662.8 lm
Input Watts[1]:	6.9 W
Spacing Crit.:	1.2
Efficacy:	96.1 lm/W
CCT[2]:	3500 K
CRI:	≥80
Report no[3]:	659GFR

Single unit data

Height to Lighted Plane	Initial Center Beam Foot-Candles	Beam Dia. (ft)*
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5	80	68	60	54	67	53	65	53	63	52	50
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90CRI 2700K:	= 0.71
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80CRI 3500K:	= 1.00

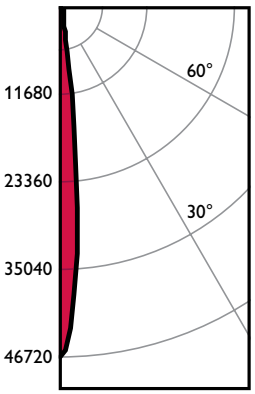
1. Correlated Color Temperature within specs as defined in ANSI_NEMA_ANSLG C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.
2. Wattage controlled to within +/– 5%.

Note: Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.

L5R & L6S LyteCaster LED 5"

Round & Square downlights and Round adjustables (1000lm & 1500lm)

90 CRI / 3000K, 650 lumens



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65	49	50
70	33	
75	24	25
80	15	
85	6	7
90	0	

Housing:
L4RAE1VB, L4RAZ10UVB
L4R06RE1VB, L4R06RZ10UVB

Light Engine:
L4R06835VB

Trim:
L4RDW

Output lumens:	662.8 lm
Input Watts[1]:	6.9 W
Spacing Crit.:	1.2
Efficacy:	96.1 lm/W
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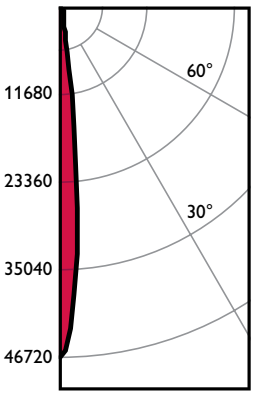

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5	80	68	60	54	67	53	65	53	63	52	50
6	74	62	53	47	61	47	59	47	57	46	44
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Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALR-030-CL

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Recessed Fixture
Item Type	Recessed Downlight
Description	6" Aperture Down Light
Manufacturer	Cooper/Halo
Model	HC615D010-HM0525930-61MDH
Dimensions	7.75" dia trim flange, 4.6"H
Finish	Semi-specular clear
CSI #	265100 - Interior Lighting
Omniclass #	22 - 265100 - Interior Lighting
Lamp Type	LED
Dimming Type	0-10V analog 1%-100% dimming
Trim	Polished flange standard with Haze (H) reflectors
Lamp Kelvin	3000K
Reflector	Haze
Voltage	120-277V
Mount	Recessed
On Dimming System	Yes
Delivered Lumens (LED) or Mean Lumens (Non-LED)	1235
Finish	Semi-specular clear (H)
Lamp CRI	90
Lead Time	In stock or 4 weeks
Warranty	Five year limited warranty
Notes	Efficacy: 102.3 lm/W Lamp Life/Fixture Life: 50,000 hours Fixture Input (Max. Watts): 13.7

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 2

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

AREAS

Stairs

ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Project		**Catalog #**	HC615D010-HM0525930-61MDH	**Type**	ALR-030-CL
Prepared by	Kathleen Kenny National Accounts 678-447-5208 kathleen.kenny@cooperlighting.com	**Notes**		**Date**	4/2022

HALO Commercial

HC6 | HM6 | 61 | 61PS

6-inch LED downlight and wall wash

Typical Applications

Office • Healthcare • Hospitality • Institutional • Mixed-Use/Retail

Interactive Menu

- Order Information page 2
- Product Specifications page 4
- Photometric Data page 5
- Energy & Performance Data page 8
- Connected Systems page 9
- Product Warranty

Product Certification

Product Features

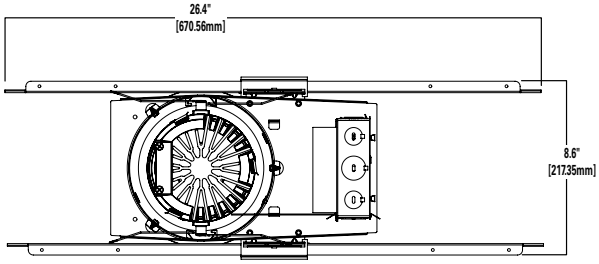
WaveLinx

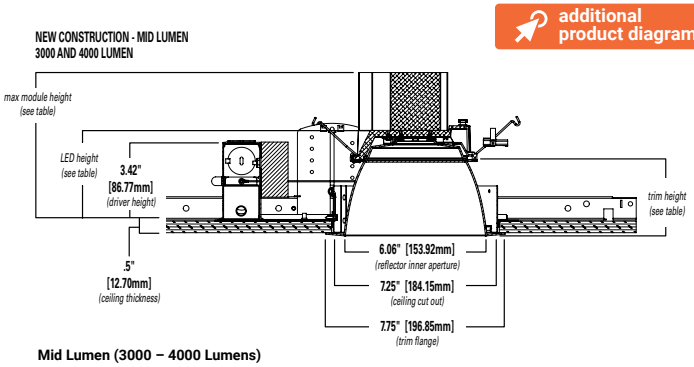
Top Product Features

- New construction/remodel series; 500 to 6,000 lumens
- Narrow, Medium and Wide distributions; Wall wash with rotatable linear spread lens
- 2700K, 3000K, 3500K, 4000K, 5000K CCT; 80 or 90 CRI
- Universal voltage 120V-277V; Standard 0-10V driver dims to 1%
- Mounting frame converts to remodel that installs from below the ceiling

Dimensional and Mounting Details

additional product diagrams





Mid Lumen (3000 – 4000 Lumens)

Distribution	Max. Module Height	Trim Height	LED Height
Narrow	6.6"	3.4"	3.8"
Medium	6.7"	3.5"	3.9"
Wide	6.5"	3.3"	3.7"
Baffle	6.5"	3.3"	3.7"

Order Information

Sample Number: HC620D010REM7 – HM60525835 - 61MDC

A complete luminaire consists of a housing frame, LED module, and reflector (ordered separately)

Mounting Frame	Lumens	Driver Options	Factory Installed Emergency & Connected Lighting Options	Accessories (Order & Install Separately)
HC6 = 6" new construction downlight housing **HC6CP** = 6" new construction housing, Chicago Plenum - CCEA compliant	**05** = 500 lm **07** = 750 lm **10** = 1000 lm **15** = 1500 lm **20** = 2000 lm **25** = 2500 lm **30** = 3000 lm **35** = 3500 lm **40** = 4000 lm **45** = 4500 lm (7) **50** = 5000 lm (7) **55** = 5500 lm (7) **60** = 6000 lm (7)	**D010**=UNV 120-277V, 50/60Hz, 0-10V 1%-100% dimming at 120-277V on 0-10V controls **Canada Option 500-5000 lumens:** **D010347** = 347VAC 50/60Hz 0-10V 1%-100% dimming. For 500, 750, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000lm models only (1) **Canada Option 5500-6000 lumens:** **D010X347** = step down transformer factory installed (with standard "D010" 120V-277V LED driver). For 5500, 6000lm models only (1)	**REM7** = 7 watt emergency battery pack with remote test / indicator light, use with D010 only (1) (2) (6) **REM14** = 14 watt emergency battery pack with remote test / indicator light, use with D010 only (1) (2) (6) **IEM7** = 7 watt emergency battery pack with remote test / indicator light, use with D010 only (1) (2) (6) **IEM14** = 14 watt emergency battery pack with remote test / indicator light, use with D010 only (1) (2) (6) **BOD7ST** = 7.5 watt Bodine self-test emergency battery pack with remote test / indicator light, use with D010 only (1) (2) (6) **WTA** = Factory WaveLinx Tilemount Sensor Kit (4) **WTK** = Factory WaveLinx Lite Commercial Tilemount Sensor Kit (5)	**HB128APK** = L channel hanger bar, 26", pair (replacement) **RMB22** = Adjustable wood joist mounting bars, pair, extend to 22" long **HSA6** = Slope Adapter for 6" Aperture Housings, Specify Slope (refer to instructions for installing housing and trim) **H347** = 347 to 120V step down transformer, 75VA **H347200** = 347 to 120V step down transformer, 200VA **WTA** = Field WaveLinx Tilemount Sensor Kit (4) **WTK** = Field WaveLinx Lite Commercial Tilemount Sensor Kit (5)
		DLV = Distributed Low Voltage driver 1%-100% dimming. DLV for use with DLVP system only. Refer to DLVP low-voltage power module and DLVP specifications for details. (1)	**REMV7** = 7 watt emergency battery pack with remote test / indicator light, use with DLV only (1) (2) (3) (6) **REMV14** = 14 watt emergency battery pack with remote test / indicator light, use with DLV only (1) (2) (3) (6) **IEMV7** = 7 watt emergency battery pack with remote test / indicator light, use with DLV only (1) (2) (3) (6) **IEMV14** = 14 watt emergency battery pack with remote test / indicator light, use with DLV only (1) (2) (3) (6)	
Notes	**Notes** (7) Marked Spacing: Center to Center of Adjacent Luminaires = 36" Center of Luminaire to Building Member = 18" Minimum overhead = 0.5	**Notes** (1) Not available with CP models	**Notes** (1) Not available with CP models (2) Not available with D010347 (347V models) (3) ULus for U.S. only (4) WTA = WaveLinx tile mount sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with D010 only (Refer to WaveLinx specifications) (5) WTK = WaveLinx Lite tile mount sensor kit for daylight dimming, PIR motion sensing, use with D010 only (Refer to WaveLinx Lite specifications) (6) Emergency battery backup options are Non-IC only, and rated for a minimum starting temperature of 0°C	**Notes** (4) WTA = WaveLinx tile mount sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with D010 only (Refer to WaveLinx specifications) (5) WTK = WaveLinx Lite tile mount sensor kit for daylight dimming, PIR motion sensing, use with D010 only (Refer to WaveLinx Lite specifications)

LED Module	Lumens	CRI/CCT	
HM6 = 6" LED Modules For use with HC6 - HC6CP New Construction housings only	**0525** = 500 - 2500 lumen **3040** = 3000-4000 lumen **4560** = 4500-6000 lumen	**827** = 80CRI, 2700K **830** = 80CRI, 3000K **835** = 80CRI, 3500K **840** = 80CRI, 4000K **850** = 80CRI, 5000K	**927** = 90CRI, 2700K **930** = 90CRI, 3000K **935** = 90CRI, 3500K **940** = 90CRI, 4000K **950** = 90CRI, 5000K
Notes	**Notes**	**Notes**	

Order Information

Reflector | Distribution | Finish | Flange | Accessories

Reflector	Distribution[8]	Finish	Flange	Accessories
61 = 6" conical reflector	**ND** = narrow 55° beam angle 0.97 SC **MD** = medium 60° beam angle 1.10 SC **WD** = wide 65° beam angle 1.28 SC **RWW** = rotatable wall wash with linear spread lens	**C** = Specular clear **H** = Semi-specular clear **W** = White	**Blank** = Polished flange standard with C & H reflectors **Blank** = White flange standard with W reflector **WF** = White flange option available with C & H reflectors	**61RWWPK** = Replacement part kit - wall wash lens insert - for use with 61RWW* only.
Notes	**Notes** (8) Values are nominal, with specular clear reflector, other finishes and field results may vary.	**Notes**	**Notes**	**Notes**

Baffle | Distribution | Finish | Flange | Accessories

Baffle	Distribution[8]	Finish	Flange	Accessories
61 = 6" baffle reflector	**WD** = wide 65° beam angle 1.28 SC (nominal) **RWW** = rotatable wall wash with linear spread lens	**BB** = Black baffle **WB** = White baffle	**Blank** = White flange standard with BB, & WB **BF** = Black flange option available with BB	**61RWWPK** = Replacement part kit - wall wash lens insert - for use with 61RWW* only.
Notes	**Notes** (8) Values are nominal, with specular clear reflector, other finishes and field results may vary.	**Notes**	**Notes**	**Notes**

IEM Reflector | Distribution | Finish | Flange | Integral Emergency

IEM Reflector	Distribution[8]	Finish	Flange	Integral Emergency
61 = 6" IEM reflector for integral emergency only	**ND** = narrow 55° beam angle 0.97 SC **MD** = medium 60° beam angle 1.10 SC **WD** = wide 65° beam angle 1.28 SC	**C** = Specular clear **H** = Semi-specular clear **W** = White	**Blank** = Polished flange standard with C & H reflectors **Blank** = White flange standard with W reflector **WF** = White flange option available with C & H reflectors	**IEM** = Reflector for use with integral emergency housings only. Provides access hole for integral emergency test switch.
Notes	**Notes** (8) Values are nominal, with specular clear reflector, other finishes and field results may vary.	**Notes**	**Notes**	**Notes**

IEM Baffle | Distribution | Finish | Flange | Integral Emergency

IEM Baffle	Distribution[8]	Finish	Flange	Integral Emergency
61 = 6" IEM baffle reflector for integral emergency only	**WD** = wide 65° beam angle 1.28 SC (nominal)	**BB** = Black baffle **WB** = White baffle	**Blank** = White flange standard with BB, & WB **BF** = Black flange option with BB	**IEM** = Reflector for use with integral emergency housings only. Provides access hole for integral emergency test switch.
Notes	**Notes** (8) Values are nominal, with specular clear reflector, other finishes and field results may vary.	**Notes**	**Notes**	**Notes**

Reflector | Distribution | Finish | Flange

Reflector	Distribution[8]	Finish	Flange
61PS = 6" non-conductive polymer 'dead front' conical reflector Use with HM6PS0525* LED modules only[9]	**MD** = medium 60° beam angle 1.10 SC (nominal)	**W** = White	**Blank** = White flange standard with W reflector
Notes (9) 61PS is 1000-2000 lumens Non-IC rated. 500 & 750 lumens IC rated. 61PS is not for use over 2000lm in Non-IC or over 750lm in IC.	**Notes** (8) Values are nominal, with specular clear reflector, other finishes and field results may vary.	**Notes**	**Notes**

Product Specifications

Housing Frame
- Boat shaped galvanized steel plaster frame with adjustable plaster lip
- Accommodates 1/2" to 1-1/2" thick ceilings
- Installs in new construction or from below the finished ceiling (non-accessible) for remodeling (with mounting bars removed)
- Provided with two remodel clips to secure the frame to the ceiling

Universal Mounting Bracket
- Adjusts 2" vertically from above and below the ceiling
- Use with the included mounting bars or with 1/2" Electric Metallic Tube (EMT)
- Removable to facilitate remodeling installation from below the finished ceiling

Mounting Bars
- Captive pre-installed No Fuss™ mounting bars lock to T-grid with screwdriver or pliers
- Centering detents allow for consistent positioning of fixtures

LED Module
- Proximity phosphors over chip on board LEDs provide a uniform source with high efficiency and no pixilation
- Available in 80 or 90 color rendering index (CRI)
- Color accuracy within 3 SDCM provides color consistency and uniformity
- 90 CRI option: R9>50 (refer to chromaticity information for details)
- Available in 2700K, 3000K, 3500K, 4000K and 5000K correlated color temperature (CCT)
- Lumen options include 500, 750, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500, 6000 lumens (nominal)
- Passive thermal management achieves 60,000 hours at 70% lumen maintenance (L70) in insulated ceilings (IC) and non-IC applications
- Integral diffuse lens provides visual shielding
- Integral connector allows quick connection to housing flex

Reflector
- Self-flanged aluminum reflectors available in narrow, medium or wide distribution patterns
- Medium distribution polymer non-conductive matte white reflector may be used to meet local codes for 'dead front' applications (500 & 750 lumen max. in IC and 2000 lumen max. in Non-IC)
- Wall wash reflector features a rotatable linear spread lens for alignment of vertical illumination
- Reflectors attach to LED module with three speed clamps
- Available in multiple painted or plated finishes

Reflector/Module Retention
- Reflector/module assembly is securely retained in the housing with two torsion springs

Driver
- Field-replaceable constant current driver provides low noise operation
- Universal 120-277VAC 50/60Hz input standard
- Continuous, 1% to 100% dimming with 0-10V analog control
- Optional low-voltage DC driver for use with Distributed Low Voltage Power (DLVP) system
- Distributed Low Voltage Power (DLVP) system combines power, lighting and controls with ease of installation (refer to DLVP Design Guide at www.cooperlighting.com for details)

Canada Options
- 347VAC 50/60Hz; 1% dimming on 0 -10V analog control, for 500, 750, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000 lumen models only
- 347V step down transformer factory installed with the standard "D010" 120V-277V, LED driver on 5500, 6000 lumen models only

Emergency Option
- Provides 90 minutes of standby lighting, meeting most life safety codes for egress lighting
- Available with integral or remote charge indicator and test switch
- Available Self-Test (self-diagnostic) with remote charge indicator and test switch

Connected Lighting System Options
Two WaveLinx connected systems to choose. Summary information provided below, refer to WaveLinx system specifications and application guides for details.

<u>WaveLinx System Tilemount Sensor Kit</u>
- WaveLinx WTA tile mount sensor kit offers daylight dimming, PIR motion sensing, scene and zone configuration, automatic commissioning; and optional RLTS - Real Time Location Services available.

<u>WaveLinx Lite System Tilemount Sensor Kit</u>
- WaveLinx Lite WTK tile mount sensor kit offers daylight dimming and PIR motion sensing, scene and grouping configuration.

<u>WaveLinx Tilemount Kits Application</u>
- The WTA and WTK tilemount kits include a control module mounted on the luminaire junction box via 1/2" knock-out, and a tilemount sensor on 54-inch whip; for ceiling installation by direct-mount spring clips or via mounting bracket in octagon ceiling boxes.
- The WTA and WTK tilemount kits may be ordered as factory installed on the luminaire, or ordered separately as a field installed accessory kit.

Junction Box
- Galvanized steel junction box
- 20 in^3 internal volume excluding voltage barrier
- 25 in^3 internal total volume
- Voltage barrier for 0-10V dimming wires (occupies one 1/2" pry-out space)
- Listed for eight #12 AWG (four in, four out) 90˚C conductors and feed-thru branch wiring
- Three 1/2" and two 3/4" trade size pry-outs available
- Three 4-port push wire nuts for mains voltage with 1-port for fixture connection

Compliance
- cULus Listed to UL 1598 / C22.2 No. 250.0, suitable for damp locations and wet locations in covered ceilings only
- Emergency options provided with UL Listed emergency drivers to UL 924 / C22.2 No. 141, suitable for indoor/damp locations
- IP20 - Above finished ceiling; IP65 - Below finished ceiling
- Non-Insulated ceiling (Non-IC) rated for 2500, 3000, 3500, 4000, 4500, 5000, 5500, 6000 lumen models (insulation must be kept 3" from top and sides)
- Insulated ceiling (IC) rated for 500, 750, 1000, 1500, 2000 lumen models and suitable for direct contact with air permeable insulation* (IC models are also suitable for Non-IC installations)
- Non-IC marked spacing required for 4500, 5000, 5500, 6000 lumen models
  - Marked Spacing Center to Center of Adjacent Luminaires = 36"
  - Center of Luminaire to Building Member = 18"
  - Minimum overhead = 0.5"
- Airtight per ASTM-E283-04
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- EMI/RFI emissions FCC CFR Title 47 Part 15 Class A at 120/277V
- Contains no mercury or lead and RoHS compliant
- Photometric testing completed in accordance of IES LM-79-08
- Lumen maintenance projection in accordance of IES LM-80-08 and TM-21-11
- 500, 750, 1,000, 1,500 and 2,000 lumen, 90 CRI, ICAT models may be used to comply with State of California Title 24 residential code, per JA8 certification standards
- May be used to comply with State of California Title 24 non-residential code as a dimmable LED luminaire
- ENERGY STAR® certified, reference certified light fixtures database

*Not for use in direct contact with spray foam insulation, consult NEMA LSD57-2013

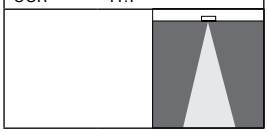
Warranty
- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

Photometric Data

View IES files

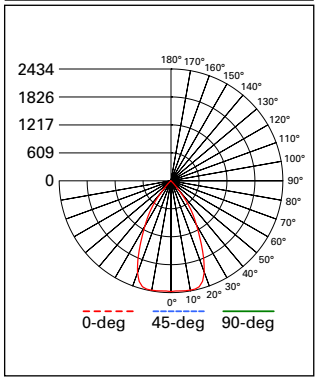
NARROW DISTRIBUTION - SPECULAR CLEAR FINISH, 2000 LUMEN MODEL, 80 CRI, 3500K

NARROW (55° BEAM*)	
Test Number	P581878
Housing	HC620D010
Module	HM60525835
Reflector	61NDC
Lumens	2228 Lm
Efficacy	111.4 Lm/W
SC	0.93
UGR	11.7

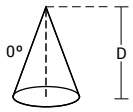


CANDLEPOWER DISTRIBUTION

Downlight



CONE OF LIGHT



MH	FC	L	W
5.5'	80.2	5	5
7'	49.5	6.4	6.4
8'	37.9	7.4	7.4
9'	30	8.2	8.2
10'	24.3	9.2	9.2
12'	16.9	11	11

CANDELA TABLE

Degrees Vertical	Candela
0	2427
5	2422
15	2405
25	1621
35	761
45	118
55	12
65	3
75	2
85	0
90	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30	1636	73.4
0-40	2098	94.2
0-60	2223	99.8
0-90	2228	100
90-180	0	0
0-180	2228	100

LUMINANCE

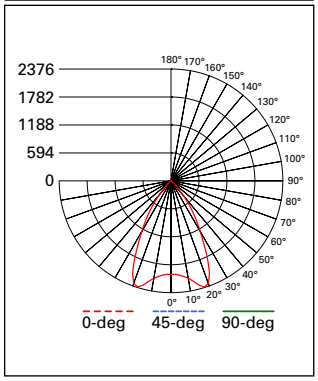
Average Candela Degrees	Average 0° Luminance
45	9187
55	1118
65	376
75	318
85	0

MEDIUM DISTRIBUTION - SPECULAR CLEAR FINISH, 2000 LUMEN MODEL, 80 CRI, 3500K

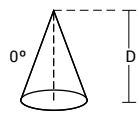
MEDIUM (60° BEAM*)	
Test Number	P581875
Housing	HC620D010
Module	HM60525835
Reflector	61MDC
Lumens	2307 Lm
Efficacy	115.3 Lm/W
SC	1.06
UGR	11.8

CANDLEPOWER DISTRIBUTION

Downlight



CONE OF LIGHT



MH	FC	L	W
5.5'	68.7	5.6	5.6
7'	42.4	7.2	7.2
8'	32.5	8.2	8.2
9'	25.7	9.4	9.4
10'	20.8	10.4	10.4
12'	14.4	12.4	12.4

CANDELA TABLE

Degrees Vertical	Candela
0	1998
5	2022
15	2307
25	1842
35	796
45	126
55	15
65	4
75	2
85	0
90	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30	1671	72.4
0-40	2163	93.8
0-60	2301	99.7
0-90	2307	100
90-180	0	0
0-180	2307	100

LUMINANCE

Average Candela Degrees	Average 0° Luminance
45	9753
55	1395
65	571
75	318
85	0

Note: Refer to IES files for more product data.

HALO Commercial

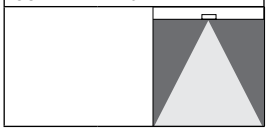
HC6 | HM6 | 61 | 61PS

Photometric Data

View IES files

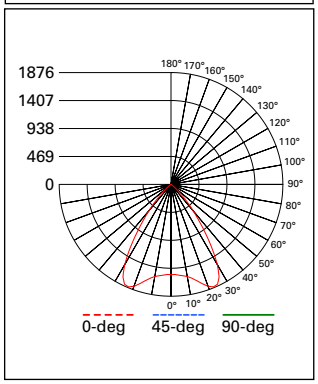
WIDE DISTRIBUTION - SPECULAR CLEAR FINISH, 2000 LUMEN MODEL, 80 CRI, 3500K

WIDE (65° BEAM*)	
Test Number	P581885
Housing	HC620D010
Module	HM60525835
Reflector	61WDC
Lumens	2359 Lm
Efficacy	118 Lm/W
SC	1.28
UGR	11.6

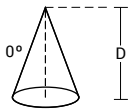


CANDLEPOWER DISTRIBUTION

Downlight



CONE OF LIGHT



MH	FC	L	W
5.5'	50.5	7	7
7'	31.2	8.8	8.8
8'	23.9	10.2	10.2
9'	18.8	11.4	11.4
10'	15.3	12.8	12.8
12'	10.6	15.4	15.4

CANDELA TABLE

Degrees Vertical	Candela
0	1526
5	1540
15	1685
25	1861
35	1027
45	252
55	32
65	6
75	2
85	0
90	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30	1461	61.9
0-40	2105	89.2
0-60	2351	99.6
0-90	2359	100
90-180	0	0
0-180	2359	100

LUMINANCE

Average Candela Degrees	Average 0° Luminance
45	19506
55	3078
65	765
75	318
85	0

*Value are nominal with specular clear reflectors, other finishes and field results may vary.
SC = Spacing Criteria
UGR = Unified Glare Rating

Photometric Multipliers (Nominal Lumen Values)

500 Lumen	750 Lumen	1000 Lumen	1500 Lumen	2000 Lumen	2500 Lumen	3000 Lumen	3500 Lumen
0.33	0.44	0.54	0.74	1.00	1.12	1.46	1.76

4000 Lumen	4500 Lumen	5000 Lumen	5500 Lumen	6000 Lumen
1.81	2.17	2.28	2.38	2.65

Multipliers for relative lumen values with other series models.

Color Finish Multipliers

Finish code	C	H	W/WB	BB
Finish	Specular Clear	Semi-Specular	Matte White White Baffle	Black Baffle
Multiplier	1.00	0.92	0.91	0.82

Multipliers for relative lumen values with other color finishes.

CCT Multipliers – 80CRI

2700K	3000K	3500K	4000K	5000K
0.92	0.98	1.00	1.03	1.03

Multipliers for relative lumen values with other series color temperatures.

CCT Multipliers – 90CRI

2700K	3000K	3500K	4000K	5000K
0.77	0.84	0.89	0.90	0.90

Multipliers for relative lumen values with other series color temperatures.

Note: Refer to IES files for more product data.

Photometric Data

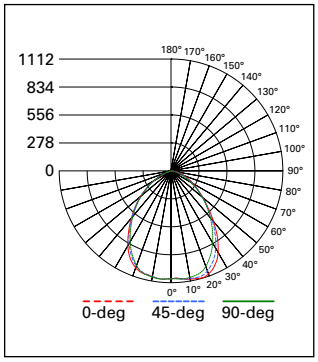
View IES files

WALL WASH DISTRIBUTION - SPECULAR CLEAR FINISH, 2000 LUMEN MODEL, 80 CRI, 3500K

WALL WASH	
Test Number	P581882
Housing	HC620D010
Module	HM60525835
Reflector	61RWWC
Lumens	2179 Lm
Efficacy	109 Lm/W
SC	1.15

CANDLEPOWER DISTRIBUTION

Downlight



CANDELA TABLE	
Degrees Vertical	Candela
0	1080
5	1081
15	1112
25	1034
35	800
45	514
55	319
65	184
75	85
85	12
90	0

ZONAL LUMEN SUMMARY		
Zone	Lumens	% Fixture
0-30	849	39
0-40	1313	60.2
0-60	1978	90.8
0-90	2179	100
90-180	0	0
0-180	2179	100

LUMINANCE	
Average Candela Degrees	Average 0° Luminance
45	39810
55	30479
65	23907
75	17983
85	7359

SC = Spacing Criteria, nominal for specular clear reflector, other finishes and field results may vary.

SINGLE UNIT FOOTCANDLES

	2.5' from wall (distance from fixture along wall)						
1	19.3	13.8	6.1	2.2	0.7	0.3	0.1
2	29.1	22.6	12.3	5.7	2.5	1.2	0.6
3	27.6	22.5	13.8	7.3	3.7	1.9	1
4	21	18.2	12.4	7.4	4.2	2.4	1.4
5	14.4	13.1	9.9	6.6	4.1	2.5	1.6
6	9.7	9.1	7.5	5.5	3.7	2.5	1.6
7	6.7	6.4	5.5	4.3	3.2	2.2	1.5
8	4.7	4.6	4.1	3.4	2.7	2	1.4
9	3.4	3.3	3.1	2.7	2.2	1.7	1.3
10	2.5	2.5	2.4	2.1	1.8	1.4	1.1

MULTIPLE UNIT FOOTCANDLES

	2.5' from wall (Distance from fixture along 3')			2.5' from wall (Distance from fixture along 4')		
1	21.5	19.1	21.5	20	12.1	20
2	34.7	34.4	34.7	31.6	24.6	31.6
3	34.9	36	34.9	31.3	27.6	31.3
4	28.4	30.7	28.4	25.2	24.8	25.2
5	21	23.2	21	18.6	19.8	18.6
6	15.2	16.8	15.2	13.4	15	13.4
7	11	12	11	9.9	11	9.9
8	8.1	8.7	8.1	7.4	8.2	7.4
9	6.1	6.5	6.1	5.6	6.2	5.6
10	4.6	4.9	4.6	4.3	4.7	4.3

Photometric Multipliers (Nominal Lumen Values)

500 Lumen	750 Lumen	1000 Lumen	1500 Lumen	2000 Lumen	2500 Lumen	3000 Lumen	3500 Lumen
0.33	0.44	0.54	0.74	1.00	1.12	1.46	1.76

4000 Lumen	4500 Lumen	5000 Lumen	5500 Lumen	6000 Lumen
1.81	2.17	2.28	2.38	2.65

Multipliers for relative lumen values with other series models.

Color Finish Multipliers

Finish code	C	H	W/WB	BB
Finish	Specular Clear	Semi-Specular	Matte White White Baffle	Black Baffle
Multiplier	1.00	0.92	0.91	0.82

Multipliers for relative lumen values with other color finishes.

CCT Multipliers – 80CRI

2700K	3000K	3500K	4000K	5000K
0.92	0.98	1.00	1.03	1.03

Multipliers for relative lumen values with other series color temperatures.

CCT Multipliers – 90CRI

2700K	3000K	3500K	4000K	5000K
0.77	0.84	0.89	0.90	0.90

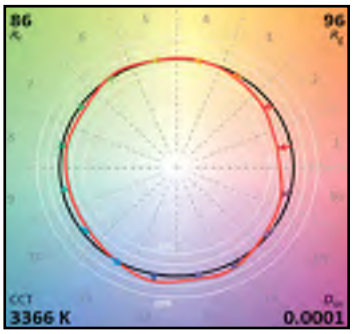
Multipliers for relative lumen values with other series color temperatures.

Note: Refer to IES files for more product data.

Energy & Performance Data

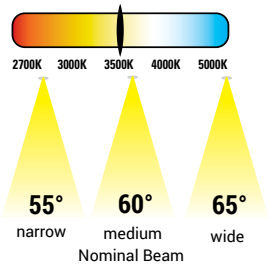
COLOR METRICS - TM-30-15 & CRI/CIE (3500K)

80 CRI Color Metric Summary - 3500K*

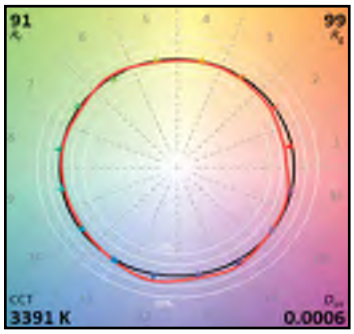


Reference Illuminant — Test Source

TM-30-15	Rf = 86
	Rg = 95.5
CRI/CIE	Ra = 83.8
	R9 = 10.3

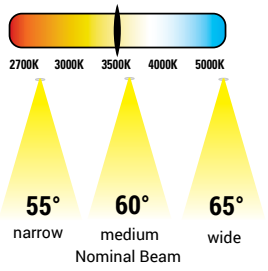


90 CRI Color Metric Summary - 3500K*



Reference Illuminant — Test Source

TM-30-15	Rf = 91.1
	Rg = 99
CRI/CIE	Ra = 92.4
	R9 = 55.1



* Color values are based on 61WDWB reflector, other finishes and field results may vary.

ENERGY DATA

Series	500 lumen		750 lumen		1000 lumen		1500 lumen		2000 lumen	
Input Voltage 120-277VAC	120V	277V	120V	277V	120V	277V	120V	277V	120V	277V
Input Current (A)	0.051	0.026	0.067	0.036	0.083	0.039	0.119	0.053	0.171	0.077
Input Power (W)	6.1	6.5	7.9	8.3	10	10.4	14.5	14.5	20.9	20.6
In-rush (A)	1.9	8.4	2	8.4	2.2	8.5	2.7	8.5	2.1	9.7
Inrush duration (µs)	251	135	237	133	250	134	250	139	245	131
THD (%)	6.2	13.5	7.4	8.8	5.4	10.3	10	6.7	6.5	7.9
PF	≥ 0.99	≥ 0.9	≥ 0.98	≥ 0.92	≥ 0.99	≥ 0.95	≥ 0.99	≥ 0.97	≥ 0.99	≥ 0.96

Series	2500 lumen		3000 lumen		3500 lumen		4000 lumen		4500 lumen	
Input Voltage 120-277VAC	120V	277V	120V	277V	120V	277V	120V	277V	120V	277V
Input Current (A)	0.23	0.103	0.24	0.107	0.292	0.152	0.351	0.159	0.384	0.172
Input Power (W)	27.5	27.5	28.6	28.5	34.6	35.1	42.1	42.1	45.9	45.6
In-rush (A)	2.5	5.6	2.5	11.6	3.4	13.9	3.1	14.7	3.1	14.8
Inrush duration (µs)	232	123	216	111	183	95	200	98	202	100
THD (%)	6.5	8.1	7.8	8.3	5.6	10	4.1	9.5	4.5	8.5
PF	≥ 0.99	≥ 0.96	≥ 0.99	≥ 0.96	≥ 0.99	≥ 0.93	≥ 0.99	≥ 0.94	≥ 0.99	≥ 0.95

Series	5000 lumen		5500 lumen		6000 lumen	
Input Voltage 120-277VAC	120V	277V	120V	277V	120V	277V
Input Current (A)	0.419	0.186	0.457	0.201	0.489	0.214
Input Power (W)	50.1	49.5	54.6	53.7	58.4	57.4
In-rush (A)	3.1	15	3.2	14.8	3.4	14.8
Inrush duration (µs)	202	117	196	131	192	121
THD (%)	5.5	7.6	7	7.2	8.1	7.2
PF	≥ 0.99	≥ 0.96	≥ 0.99	≥ 0.96	≥ 0.99	≥ 0.97

Minimum starting temperature -30°C (-22°F)* (Nominal input 120-277VAC & 100% of rated output power)
Sound Rating: Class A standards

Notes:
* Emergency Battery packs are rated for a minimum starting temperature of 0°C.

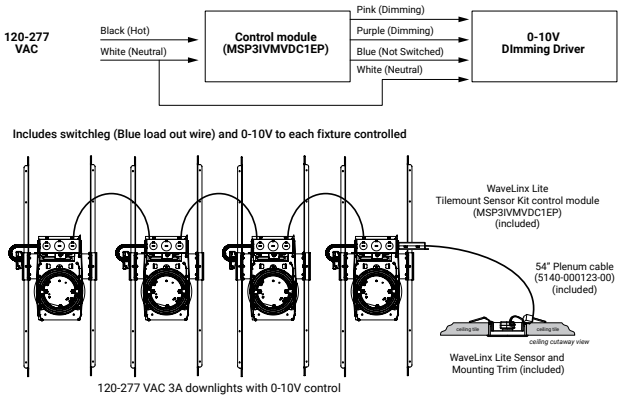
Connected Systems

WaveLinx Lite - WTK Tilemount Sensor

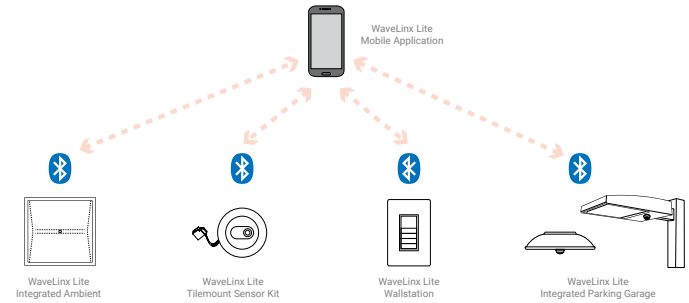
- Intuitive Android™ or Apple® iOS® app for basic system code compliant set up and configuration via Bluetooth
- Up to 28 unique areas per project site (WaveLinx Lite Bluetooth network)
- Up to 50 devices for an area, any one of 16 control zones, up to 6 occupancy sets, and custom lighting scenes
- Automatic occupancy or vacancy, sensor sensitivity, daylight dimming, etc. configurable through the app
- Refer to the WaveLinx system specifications for details

Device Security | Manual Dimmer | Occupancy Sensor | Daylighting Control | Manually Switched ON/OFF | Tuning Control | Lumen Maintenance Control | Scenes

WaveLinx Lite WTK Tilemount Wiring Diagram



WaveLinx Lite Bluetooth Enabled System



WaveLinx – WTA Tilemount Sensor

- WaveLinx functionality configures zones and customizes settings from one secure mobile app
- Automatic code commissioning that meets the strictest codes
- Fixtures and sensors integrate with Wireless Area Controller, Wall Stations, and Control Devices
- Stand-Alone Offices or Entire Building Network Installations

Downlights with tilemount sensor wireless communication
Highly efficient LED fixtures

Wireless Area Controller
Provides centralized coordination of multiple area control options

Wireless Wall Station/Receptacle
Provides customized wireless control of each area

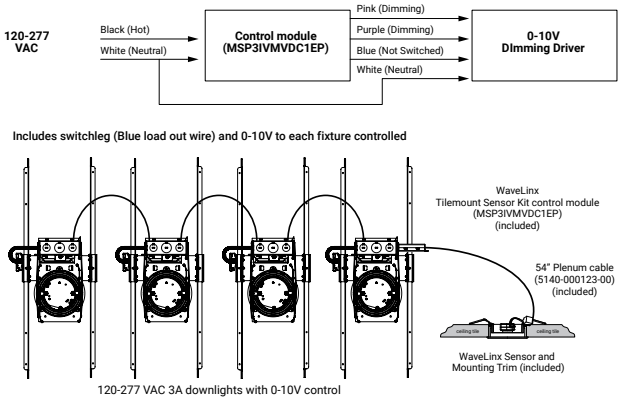
Mobile Applications
Provides personalized, local control from a tablet or smartphone

WaveLinx mobile app settings

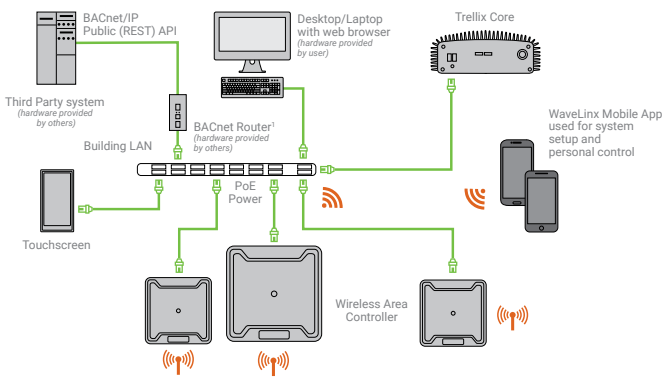
Manual Dimmer | Occupancy Sensor | Lumen Maintenance Control | Daylighting Control

Receptacle Control | Tuning Control | Scheduling | Manually Switched ON/OFF | Demand Response

WaveLinx WTA Tilemount Wiring Diagram

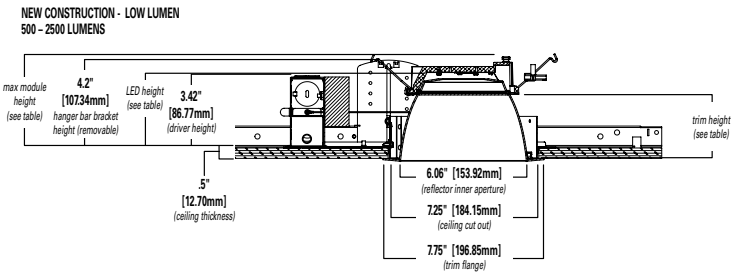


WaveLinx Trellix Building Management Integration



Dimensional and Mounting Details

NEW CONSTRUCTIONS - LOW LUMEN 500 – 2500 LUMENS

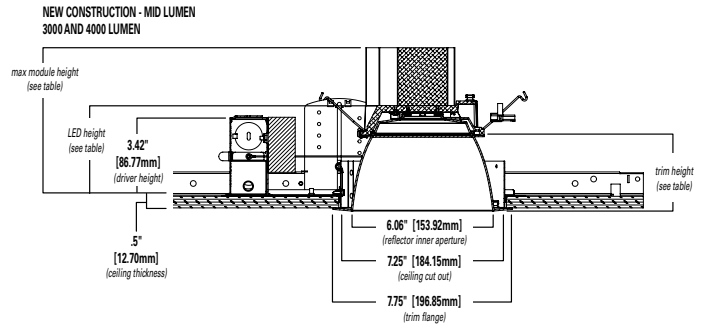


Low Lumen (500 – 2500 Lumens)*

Distribution	Max. Module Height	Trim Height	LED Height
Narrow	4.5"	3.4"	3.8"
Medium	4.6"	3.5"	3.9"
Wide	4.4"	3.3"	3.7"
Baffle	4.4"	3.3"	3.7"

*Max. height w/removable hanger bar bracket 4.2"

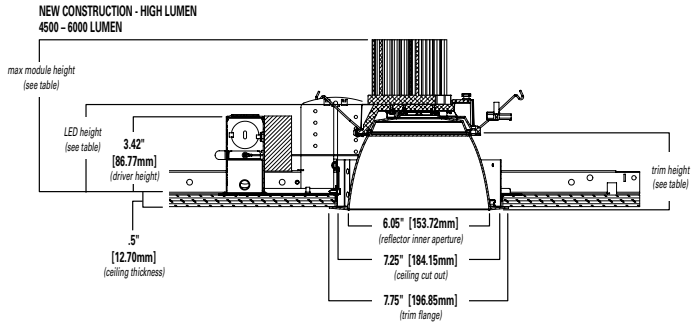
NEW CONSTRUCTIONS - MID LUMEN 3000 – 4000 LUMENS



Mid Lumen (3000 – 4000 Lumens)

Distribution	Max. Module Height	Trim Height	LED Height
Narrow	6.6"	3.4"	3.8"
Medium	6.7"	3.5"	3.9"
Wide	6.5"	3.3"	3.7"
Baffle	6.5"	3.3"	3.7"

NEW CONSTRUCTIONS - HIGH LUMEN 4500 – 6000 LUMENS



High Lumen (4500 – 6000 Lumens)

Distribution	Max. Module Height	Trim Height	LED Height
Narrow	6.9"	3.4"	3.8"
Medium	7.0"	3.5"	3.9"
Wide	6.8"	3.3"	3.7"
Baffle	6.8"	3.3"	3.7"

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Specifications and dimensions
subject to change without notice.

Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALR-030-CL-A1

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Recessed Fixture
Item Type	Recessed Downlight
Description	6" Aperture Emergency Down Light
Manufacturer	Cooper/Halo
Model	HC615D010IEM7-HM0525930-61MDHIEM
Dimensions	7.755" W x 13"L x 4.6"H
Finish	Haze
CSI #	265100 Interior Lighting
Omniclass #	22 - 265100 Interior Lighting
Lamp Type	LED
Trim	Haze Trim and Flange
Lamp Kelvin	3000K
Reflector	Clear
Voltage	120-277V
Mount	Recessed
On Dimming System	No
Delivered Lumens (LED) or Mean Lumens (Non-LED)	1452
Finish	Clear
Lamp CRI	90+
Lead Time	In stock or 4 weeks
Warranty	Five year limited warranty
Notes	Efficacy: 102.3 Lamp Life/Fixture Life: 50000 Fixture Input (Max. Watts): 13.7

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 2

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

ALTERNATE MANUFACTURER 3

AREAS

Stairs

ALTERNATE MANUFACTURER 4	

Project		**Catalog #**	HC615D010IEM7-HM0525930-61MDHIEM	**Type**	ALR-030-A1-CL
Prepared by	Kathleen Kenny National Accounts 678-447-5208 kathleen.kenny@cooperlighting.com	**Notes**		**Date**	4/2022

HALO Commercial

HC6 | HM6 | 61 | 61PS

6-inch LED downlight and wall wash

Typical Applications

Office • Healthcare • Hospitality • Institutional • Mixed-Use/Retail

Interactive Menu

- Order Information page 2
- Product Specifications page 4
- Photometric Data page 5
- Energy & Performance Data page 8
- Connected Systems page 9
- Product Warranty

Product Certification

ENERGY STAR · Efficiency Standards T24 Can be used to comply with California Title 24 Non-Residential · FC · RoHS COMPLIANT · UL CERTIFIED

Product Features

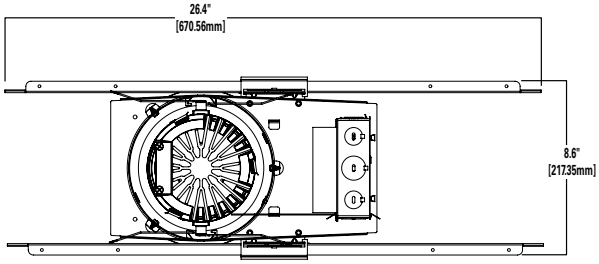
WaveLinx

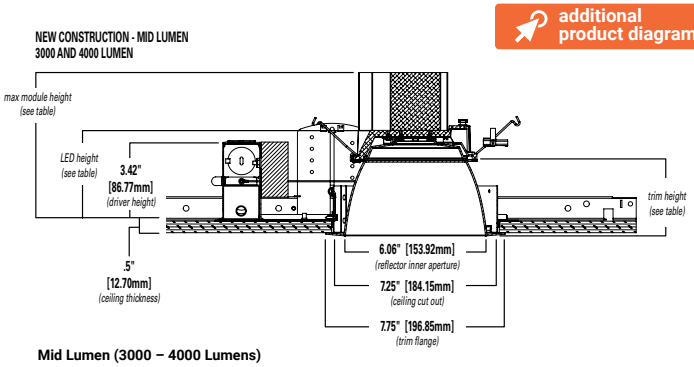
Top Product Features

- New construction/remodel series; 500 to 6,000 lumens
- Narrow, Medium and Wide distributions; Wall wash with rotatable linear spread lens
- 2700K, 3000K, 3500K, 4000K, 5000K CCT; 80 or 90 CRI
- Universal voltage 120V-277V; Standard 0-10V driver dims to 1%
- Mounting frame converts to remodel that installs from below the ceiling

Dimensional and Mounting Details

additional product diagrams





Mid Lumen (3000 – 4000 Lumens)

Distribution	Max. Module Height	Trim Height	LED Height
Narrow	6.6"	3.4"	3.8"
Medium	6.7"	3.5"	3.9"
Wide	6.5"	3.3"	3.7"
Baffle	6.5"	3.3"	3.7"

Order Information

Sample Number: HC620D010REM7 – HM60525835 - 61MDC

A complete luminaire consists of a housing frame, LED module, and reflector (ordered separately)

Mounting Frame	Lumens	Driver Options	Factory Installed Emergency & Connected Lighting Options	Accessories (Order & Install Separately)
HC6 = 6" new construction downlight housing **HC6CP** = 6" new construction housing, Chicago Plenum - CCEA compliant	**05** = 500 lm **07** = 750 lm **10** = 1000 lm **15** = 1500 lm **20** = 2000 lm **25** = 2500 lm **30** = 3000 lm **35** = 3500 lm **40** = 4000 lm **45** = 4500 lm (7) **50** = 5000 lm (7) **55** = 5500 lm (7) **60** = 6000 lm (7)	**D010**=UNV 120-277V, 50/60Hz, 0-10V 1%-100% dimming at 120-277V on 0-10V controls **Canada Option 500-5000 lumens:** **D010347** = 347VAC 50/60Hz 0-10V 1%-100% dimming. For 500, 750, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000lm models only (1) **Canada Option 5500-6000 lumens:** **D010X347** = step down transformer factory installed (with standard "D010" 120V-277V LED driver). For 5500, 6000lm models only (1)	**REM7** = 7 watt emergency battery pack with remote test / indicator light, use with D010 only (1) (2) (6) **REM14** = 14 watt emergency battery pack with remote test / indicator light, use with D010 only (1) (2) (6) **IEM7** = 7 watt emergency battery pack with remote test / indicator light, use with D010 only (1) (2) (6) **IEM14** = 14 watt emergency battery pack with remote test / indicator light, use with D010 only (1) (2) (6) **BOD7ST** = 7.5 watt Bodine self-test emergency battery pack with remote test / indicator light, use with D010 only (1) (2) (6) **WTA** = Factory WaveLinx Tilemount Sensor Kit (4) **WTK** = Factory WaveLinx Lite Commercial Tilemount Sensor Kit (5)	**HB128APK** = L channel hanger bar, 26", pair (replacement) **RMB22** = Adjustable wood joist mounting bars, pair, extend to 22" long **HSA6** = Slope Adapter for 6" Aperture Housings, Specify Slope (refer to instructions for installing housing and trim) **H347** = 347 to 120V step down transformer, 75VA **H347200** = 347 to 120V step down transformer, 200VA **WTA** = Field WaveLinx Tilemount Sensor Kit (4) **WTK** = Field WaveLinx Lite Commercial Tilemount Sensor Kit (5)
		DLV = Distributed Low Voltage driver 1%-100% dimming. DLV for use with DLVP system only. Refer to DLVP low-voltage power module and DLVP specifications for details. (1)	**REMV7** = 7 watt emergency battery pack with remote test / indicator light, use with DLV only (1) (2) (3) (6) **REMV14** = 14 watt emergency battery pack with remote test / indicator light, use with DLV only (1) (2) (3) (6) **IEMV7** = 7 watt emergency battery pack with remote test / indicator light, use with DLV only (1) (2) (3) (6) **IEMV14** = 14 watt emergency battery pack with remote test / indicator light, use with DLV only (1) (2) (3) (6)	
Notes	**Notes** (7) Marked Spacing: Center to Center of Adjacent Luminaires = 36" Center of Luminaire to Building Member = 18" Minimum overhead = 0.5	**Notes** (1) Not available with CP models	**Notes** (1) Not available with CP models (2) Not available with D010347 (347V models) (3) ULus for U.S. only (4) WTA = WaveLinx tile mount sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with D010 only (Refer to WaveLinx specifications) (5) WTK = WaveLinx Lite tile mount sensor kit for daylight dimming, PIR motion sensing, use with D010 only (Refer to WaveLinx Lite specifications) (6) Emergency battery backup options are Non-IC only, and rated for a minimum starting temperature of 0°C	**Notes** (4) WTA = WaveLinx tile mount sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with D010 only (Refer to WaveLinx specifications) (5) WTK = WaveLinx Lite tile mount sensor kit for daylight dimming, PIR motion sensing, use with D010 only (Refer to WaveLinx Lite specifications)

LED Module	Lumens	CRI/CCT	
HM6 = 6" LED Modules For use with HC6 - HC6CP New Construction housings only	**0525** = 500 - 2500 lumen **3040** = 3000-4000 lumen **4560** = 4500-6000 lumen	**827** = 80CRI, 2700K **830** = 80CRI, 3000K **835** = 80CRI, 3500K **840** = 80CRI, 4000K **850** = 80CRI, 5000K	**927** = 90CRI, 2700K **930** = 90CRI, 3000K **935** = 90CRI, 3500K **940** = 90CRI, 4000K **950** = 90CRI, 5000K
Notes	**Notes**	**Notes**	

HALO Commercial

HC6 | HM6 | 61 | 61PS

Order Information

Reflector | Distribution | Finish | Flange | Accessories

Reflector	Distribution[8]	Finish	Flange	Accessories
61 = 6" conical reflector	**ND** = narrow 55° beam angle 0.97 SC **MD** = medium 60° beam angle 1.10 SC **WD** = wide 65° beam angle 1.28 SC **RWW** = rotatable wall wash with linear spread lens	**C** = Specular clear **H** = Semi-specular clear **W** = White	**Blank** = Polished flange standard with C & H reflectors **Blank** = White flange standard with W reflector **WF** = White flange option available with C & H reflectors	**61RWWPK** = Replacement part kit - wall wash lens insert - for use with 61RWW* only.
Notes	**Notes** (8) Values are nominal, with specular clear reflector, other finishes and field results may vary.	**Notes**	**Notes**	**Notes**

Baffle | Distribution | Finish | Flange | Accessories

Baffle	Distribution[8]	Finish	Flange	Accessories
61 = 6" baffle reflector	**WD** = wide 65° beam angle 1.28 SC (nominal) **RWW** = rotatable wall wash with linear spread lens	**BB** = Black baffle **WB** = White baffle	**Blank** = White flange standard with BB, & WB **BF** = Black flange option available with BB	**61RWWPK** = Replacement part kit - wall wash lens insert - for use with 61RWW* only.
Notes	**Notes** (8) Values are nominal, with specular clear reflector, other finishes and field results may vary.	**Notes**	**Notes**	**Notes**

IEM Reflector | Distribution | Finish | Flange | Integral Emergency

IEM Reflector	Distribution[8]	Finish	Flange	Integral Emergency
61 = 6" IEM reflector for integral emergency only	**ND** = narrow 55° beam angle 0.97 SC **MD** = medium 60° beam angle 1.10 SC **WD** = wide 65° beam angle 1.28 SC	**C** = Specular clear **H** = Semi-specular clear **W** = White	**Blank** = Polished flange standard with C & H reflectors **Blank** = White flange standard with W reflector **WF** = White flange option available with C & H reflectors	**IEM** = Reflector for use with integral emergency housings only. Provides access hole for integral emergency test switch.
Notes	**Notes** (8) Values are nominal, with specular clear reflector, other finishes and field results may vary.	**Notes**	**Notes**	**Notes**

IEM Baffle | Distribution | Finish | Flange | Integral Emergency

IEM Baffle	Distribution[8]	Finish	Flange	Integral Emergency
61 = 6" IEM baffle reflector for integral emergency only	**WD** = wide 65° beam angle 1.28 SC (nominal)	**BB** = Black baffle **WB** = White baffle	**Blank** = White flange standard with BB, & WB **BF** = Black flange option with BB	**IEM** = Reflector for use with integral emergency housings only. Provides access hole for integral emergency test switch.
Notes	**Notes** (8) Values are nominal, with specular clear reflector, other finishes and field results may vary.	**Notes**	**Notes**	**Notes**

Reflector | Distribution | Finish | Flange

Reflector	Distribution[8]	Finish	Flange
61PS = 6" non-conductive polymer 'dead front' conical reflector Use with HM6PS0525* LED modules only[9]	**MD** = medium 60° beam angle 1.10 SC (nominal)	**W** = White	**Blank** = White flange standard with W reflector
Notes (9) 61PS is 1000-2000 lumens Non-IC rated. 500 & 750 lumens IC rated. 61PS is not for use over 2000lm in Non-IC or over 750lm in IC.	**Notes** (8) Values are nominal, with specular clear reflector, other finishes and field results may vary.	**Notes**	**Notes**

Product Specifications

Housing Frame
- Boat shaped galvanized steel plaster frame with adjustable plaster lip
- Accommodates 1/2" to 1-1/2" thick ceilings
- Installs in new construction or from below the finished ceiling (non-accessible) for remodeling (with mounting bars removed)
- Provided with two remodel clips to secure the frame to the ceiling

Universal Mounting Bracket
- Adjusts 2" vertically from above and below the ceiling
- Use with the included mounting bars or with 1/2" Electric Metallic Tube (EMT)
- Removable to facilitate remodeling installation from below the finished ceiling

Mounting Bars
- Captive pre-installed No Fuss™ mounting bars lock to T-grid with screwdriver or pliers
- Centering detents allow for consistent positioning of fixtures

LED Module
- Proximity phosphors over chip on board LEDs provide a uniform source with high efficiency and no pixilation
- Available in 80 or 90 color rendering index (CRI)
- Color accuracy within 3 SDCM provides color consistency and uniformity
- 90 CRI option: R9>50 (refer to chromaticity information for details)
- Available in 2700K, 3000K, 3500K, 4000K and 5000K correlated color temperature (CCT)
- Lumen options include 500, 750, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500, 6000 lumens (nominal)
- Passive thermal management achieves 60,000 hours at 70% lumen maintenance (L70) in insulated ceilings (IC) and non-IC applications
- Integral diffuse lens provides visual shielding
- Integral connector allows quick connection to housing flex

Reflector
- Self-flanged aluminum reflectors available in narrow, medium or wide distribution patterns
- Medium distribution polymer non-conductive matte white reflector may be used to meet local codes for 'dead front' applications (500 & 750 lumen max. in IC and 2000 lumen max. in Non-IC)
- Wall wash reflector features a rotatable linear spread lens for alignment of vertical illumination
- Reflectors attach to LED module with three speed clamps
- Available in multiple painted or plated finishes

Reflector/Module Retention
- Reflector/module assembly is securely retained in the housing with two torsion springs

Driver
- Field-replaceable constant current driver provides low noise operation
- Universal 120-277VAC 50/60Hz input standard
- Continuous, 1% to 100% dimming with 0-10V analog control
- Optional low-voltage DC driver for use with Distributed Low Voltage Power (DLVP) system
- Distributed Low Voltage Power (DLVP) system combines power, lighting and controls with ease of installation (refer to DLVP Design Guide at www.cooperlighting.com for details)

Canada Options
- 347VAC 50/60Hz; 1% dimming on 0 -10V analog control, for 500, 750, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000 lumen models only
- 347V step down transformer factory installed with the standard "D010" 120V-277V, LED driver on 5500, 6000 lumen models only

Emergency Option
- Provides 90 minutes of standby lighting, meeting most life safety codes for egress lighting
- Available with integral or remote charge indicator and test switch
- Available Self-Test (self-diagnostic) with remote charge indicator and test switch

Connected Lighting System Options
Two WaveLinx connected systems to choose. Summary information provided below, refer to WaveLinx system specifications and application guides for details.

<u>WaveLinx System Tilemount Sensor Kit</u>
- WaveLinx WTA tile mount sensor kit offers daylight dimming, PIR motion sensing, scene and zone configuration, automatic commissioning; and optional RLTS - Real Time Location Services available.

<u>WaveLinx Lite System Tilemount Sensor Kit</u>
- WaveLinx Lite WTK tile mount sensor kit offers daylight dimming and PIR motion sensing, scene and grouping configuration.

<u>WaveLinx Tilemount Kits Application</u>
- The WTA and WTK tilemount kits include a control module mounted on the luminaire junction box via 1/2" knock-out, and a tilemount sensor on 54-inch whip; for ceiling installation by direct-mount spring clips or via mounting bracket in octagon ceiling boxes.
- The WTA and WTK tilemount kits may be ordered as factory installed on the luminaire, or ordered separately as a field installed accessory kit.

Junction Box
- Galvanized steel junction box
- 20 in^3 internal volume excluding voltage barrier
- 25 in^3 internal total volume
- Voltage barrier for 0-10V dimming wires (occupies one 1/2" pry-out space)
- Listed for eight #12 AWG (four in, four out) 90˚C conductors and feed-thru branch wiring
- Three 1/2" and two 3/4" trade size pry-outs available
- Three 4-port push wire nuts for mains voltage with 1-port for fixture connection

Compliance
- cULus Listed to UL 1598 / C22.2 No. 250.0, suitable for damp locations and wet locations in covered ceilings only
- Emergency options provided with UL Listed emergency drivers to UL 924 / C22.2 No. 141, suitable for indoor/damp locations
- IP20 - Above finished ceiling; IP65 - Below finished ceiling
- Non-Insulated ceiling (Non-IC) rated for 2500, 3000, 3500, 4000, 4500, 5000, 5500, 6000 lumen models (insulation must be kept 3" from top and sides)
- Insulated ceiling (IC) rated for 500, 750, 1000, 1500, 2000 lumen models and suitable for direct contact with air permeable insulation* (IC models are also suitable for Non-IC installations)
- Non-IC marked spacing required for 4500, 5000, 5500, 6000 lumen models
  - Marked Spacing Center to Center of Adjacent Luminaires = 36"
  - Center of Luminaire to Building Member = 18"
  - Minimum overhead = 0.5"
- Airtight per ASTM-E283-04
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- EMI/RFI emissions FCC CFR Title 47 Part 15 Class A at 120/277V
- Contains no mercury or lead and RoHS compliant
- Photometric testing completed in accordance of IES LM-79-08
- Lumen maintenance projection in accordance of IES LM-80-08 and TM-21-11
- 500, 750, 1,000, 1,500 and 2,000 lumen, 90 CRI, ICAT models may be used to comply with State of California Title 24 residential code, per JA8 certification standards
- May be used to comply with State of California Title 24 non-residential code as a dimmable LED luminaire
- ENERGY STAR® certified, reference certified light fixtures database

*Not for use in direct contact with spray foam insulation, consult NEMA LSD57-2013

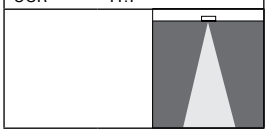
Warranty
- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

Photometric Data

View IES files

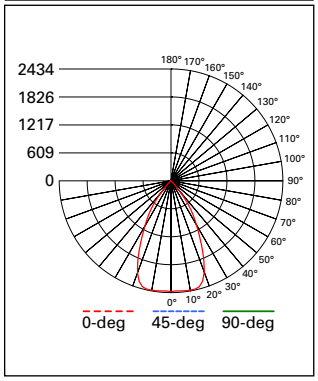
NARROW DISTRIBUTION - SPECULAR CLEAR FINISH, 2000 LUMEN MODEL, 80 CRI, 3500K

NARROW (55° BEAM*)	
Test Number	P581878
Housing	HC620D010
Module	HM60525835
Reflector	61NDC
Lumens	2228 Lm
Efficacy	111.4 Lm/W
SC	0.93
UGR	11.7

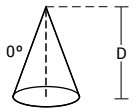


CANDLEPOWER DISTRIBUTION

Downlight



CONE OF LIGHT



MH	FC	L	W
5.5'	80.2	5	5
7'	49.5	6.4	6.4
8'	37.9	7.4	7.4
9'	30	8.2	8.2
10'	24.3	9.2	9.2
12'	16.9	11	11

CANDELA TABLE

Degrees Vertical	Candela
0	2427
5	2422
15	2405
25	1621
35	761
45	118
55	12
65	3
75	2
85	0
90	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30	1636	73.4
0-40	2098	94.2
0-60	2223	99.8
0-90	2228	100
90-180	0	0
0-180	2228	100

LUMINANCE

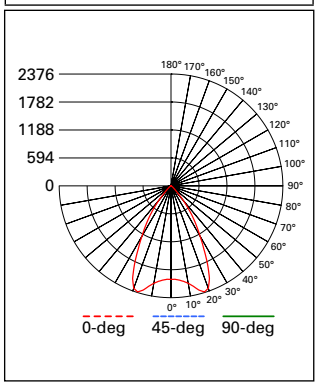
Average Candela Degrees	Average 0° Luminance
45	9187
55	1118
65	376
75	318
85	0

MEDIUM DISTRIBUTION - SPECULAR CLEAR FINISH, 2000 LUMEN MODEL, 80 CRI, 3500K

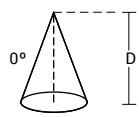
MEDIUM (60° BEAM*)	
Test Number	P581875
Housing	HC620D010
Module	HM60525835
Reflector	61MDC
Lumens	2307 Lm
Efficacy	115.3 Lm/W
SC	1.06
UGR	11.8

CANDLEPOWER DISTRIBUTION

Downlight



CONE OF LIGHT



MH	FC	L	W
5.5'	68.7	5.6	5.6
7'	42.4	7.2	7.2
8'	32.5	8.2	8.2
9'	25.7	9.4	9.4
10'	20.8	10.4	10.4
12'	14.4	12.4	12.4

CANDELA TABLE

Degrees Vertical	Candela
0	1998
5	2022
15	2307
25	1842
35	796
45	126
55	15
65	4
75	2
85	0
90	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30	1671	72.4
0-40	2163	93.8
0-60	2301	99.7
0-90	2307	100
90-180	0	0
0-180	2307	100

LUMINANCE

Average Candela Degrees	Average 0° Luminance
45	9753
55	1395
65	571
75	318
85	0

Note: Refer to IES files for more product data.

HALO Commercial

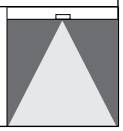
HC6 | HM6 | 61 | 61PS

Photometric Data

View IES files

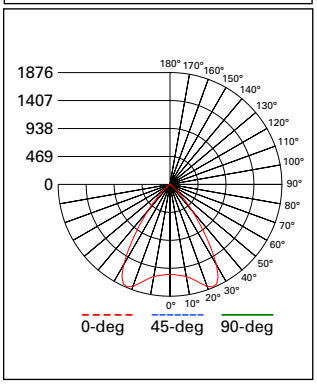
WIDE DISTRIBUTION - SPECULAR CLEAR FINISH, 2000 LUMEN MODEL, 80 CRI, 3500K

WIDE (65° BEAM*)	
Test Number	P581885
Housing	HC620D010
Module	HM60525835
Reflector	61WDC
Lumens	2359 Lm
Efficacy	118 Lm/W
SC	1.28
UGR	11.6

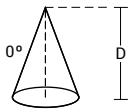


CANDLEPOWER DISTRIBUTION

Downlight



CONE OF LIGHT



MH	FC	L	W
5.5'	50.5	7	7
7'	31.2	8.8	8.8
8'	23.9	10.2	10.2
9'	18.8	11.4	11.4
10'	15.3	12.8	12.8
12'	10.6	15.4	15.4

CANDELA TABLE

Degrees Vertical	Candela
0	1526
5	1540
15	1685
25	1861
35	1027
45	252
55	32
65	6
75	2
85	0
90	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30	1461	61.9
0-40	2105	89.2
0-60	2351	99.6
0-90	2359	100
90-180	0	0
0-180	2359	100

LUMINANCE

Average Candela Degrees	Average 0° Luminance
45	19506
55	3078
65	765
75	318
85	0

*Value are nominal with specular clear reflectors, other finishes and field results may vary.
SC = Spacing Criteria
UGR = Unified Glare Rating

Photometric Multipliers (Nominal Lumen Values)

500 Lumen	750 Lumen	1000 Lumen	1500 Lumen	2000 Lumen	2500 Lumen	3000 Lumen	3500 Lumen
0.33	0.44	0.54	0.74	1.00	1.12	1.46	1.76

4000 Lumen	4500 Lumen	5000 Lumen	5500 Lumen	6000 Lumen
1.81	2.17	2.28	2.38	2.65

Multipliers for relative lumen values with other series models.

Color Finish Multipliers

Finish code	C	H	W/WB	BB
Finish	Specular Clear	Semi-Specular	Matte White White Baffle	Black Baffle
Multiplier	1.00	0.92	0.91	0.82

Multipliers for relative lumen values with other color finishes.

CCT Multipliers – 80CRI

2700K	3000K	3500K	4000K	5000K
0.92	0.98	1.00	1.03	1.03

Multipliers for relative lumen values with other series color temperatures.

CCT Multipliers – 90CRI

2700K	3000K	3500K	4000K	5000K
0.77	0.84	0.89	0.90	0.90

Multipliers for relative lumen values with other series color temperatures.

Note: Refer to IES files for more product data.

Photometric Data

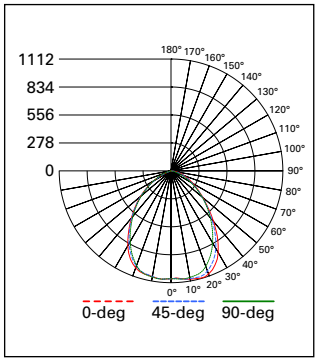
View IES files

WALL WASH DISTRIBUTION - SPECULAR CLEAR FINISH, 2000 LUMEN MODEL, 80 CRI, 3500K

WALL WASH	
Test Number	P581882
Housing	HC620D010
Module	HM60525835
Reflector	61RWWC
Lumens	2179 Lm
Efficacy	109 Lm/W
SC	1.15

CANDLEPOWER DISTRIBUTION

Downlight



CANDELA TABLE	
Degrees Vertical	Candela
0	1080
5	1081
15	1112
25	1034
35	800
45	514
55	319
65	184
75	85
85	12
90	0

ZONAL LUMEN SUMMARY		
Zone	Lumens	% Fixture
0-30	849	39
0-40	1313	60.2
0-60	1978	90.8
0-90	2179	100
90-180	0	0
0-180	2179	100

LUMINANCE	
Average Candela Degrees	Average 0° Luminance
45	39810
55	30479
65	23907
75	17983
85	7359

SC = Spacing Criteria, nominal for specular clear reflector, other finishes and field results may vary.

SINGLE UNIT FOOTCANDLES

	2.5' from wall (distance from fixture along wall)						
1	19.3	13.8	6.1	2.2	0.7	0.3	0.1
2	29.1	22.6	12.3	5.7	2.5	1.2	0.6
3	27.6	22.5	13.8	7.3	3.7	1.9	1
4	21	18.2	12.4	7.4	4.2	2.4	1.4
5	14.4	13.1	9.9	6.6	4.1	2.5	1.6
6	9.7	9.1	7.5	5.5	3.7	2.5	1.6
7	6.7	6.4	5.5	4.3	3.2	2.2	1.5
8	4.7	4.6	4.1	3.4	2.7	2	1.4
9	3.4	3.3	3.1	2.7	2.2	1.7	1.3
10	2.5	2.5	2.4	2.1	1.8	1.4	1.1

MULTIPLE UNIT FOOTCANDLES

	2.5' from wall (Distance from fixture along 3')			2.5' from wall (Distance from fixture along 4')		
1	21.5	19.1	21.5	20	12.1	20
2	34.7	34.4	34.7	31.6	24.6	31.6
3	34.9	36	34.9	31.3	27.6	31.3
4	28.4	30.7	28.4	25.2	24.8	25.2
5	21	23.2	21	18.6	19.8	18.6
6	15.2	16.8	15.2	13.4	15	13.4
7	11	12	11	9.9	11	9.9
8	8.1	8.7	8.1	7.4	8.2	7.4
9	6.1	6.5	6.1	5.6	6.2	5.6
10	4.6	4.9	4.6	4.3	4.7	4.3

Photometric Multipliers (Nominal Lumen Values)

500 Lumen	750 Lumen	1000 Lumen	1500 Lumen	2000 Lumen	2500 Lumen	3000 Lumen	3500 Lumen
0.33	0.44	0.54	0.74	1.00	1.12	1.46	1.76

4000 Lumen	4500 Lumen	5000 Lumen	5500 Lumen	6000 Lumen
1.81	2.17	2.28	2.38	2.65

Multipliers for relative lumen values with other series models.

Color Finish Multipliers

Finish code	C	H	W/WB	BB
Finish	Specular Clear	Semi-Specular	Matte White White Baffle	Black Baffle
Multiplier	1.00	0.92	0.91	0.82

Multipliers for relative lumen values with other color finishes.

CCT Multipliers – 80CRI

2700K	3000K	3500K	4000K	5000K
0.92	0.98	1.00	1.03	1.03

Multipliers for relative lumen values with other series color temperatures.

CCT Multipliers – 90CRI

2700K	3000K	3500K	4000K	5000K
0.77	0.84	0.89	0.90	0.90

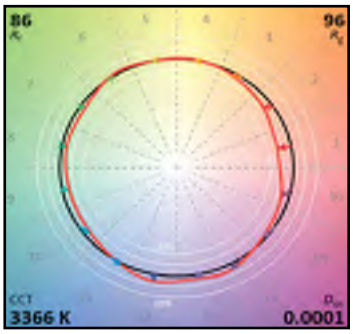
Multipliers for relative lumen values with other series color temperatures.

Note: Refer to IES files for more product data.

Energy & Performance Data

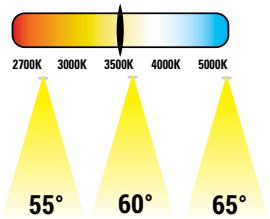
COLOR METRICS - TM-30-15 & CRI/CIE (3500K)

80 CRI Color Metric Summary - 3500K*

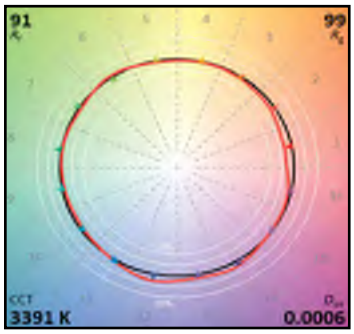


Reference Illuminant — Test Source

TM-30-15	Rf = 86
	Rg = 95.5
CRI/CIE	Ra = 83.8
	R9 = 10.3

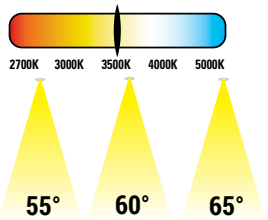


90 CRI Color Metric Summary - 3500K*



Reference Illuminant — Test Source

TM-30-15	Rf = 91.1
	Rg = 99
CRI/CIE	Ra = 92.4
	R9 = 55.1



* Color values are based on 61WDWB reflector, other finishes and field results may vary.

ENERGY DATA

Series	500 lumen		750 lumen		1000 lumen		1500 lumen		2000 lumen	
Input Voltage 120-277VAC	120V	277V	120V	277V	120V	277V	120V	277V	120V	277V
Input Current (A)	0.051	0.026	0.067	0.036	0.083	0.039	0.119	0.053	0.171	0.077
Input Power (W)	6.1	6.5	7.9	8.3	10	10.4	14.5	14.5	20.9	20.6
In-rush (A)	1.9	8.4	2	8.4	2.2	8.5	2.7	8.5	2.1	9.7
Inrush duration (µs)	251	135	237	133	250	134	250	139	245	131
THD (%)	6.2	13.5	7.4	8.8	5.4	10.3	10	6.7	6.5	7.9
PF	≥ 0.99	≥ 0.9	≥ 0.98	≥ 0.92	≥ 0.99	≥ 0.95	≥ 0.99	≥ 0.97	≥ 0.99	≥ 0.96

Series	2500 lumen		3000 lumen		3500 lumen		4000 lumen		4500 lumen	
Input Voltage 120-277VAC	120V	277V	120V	277V	120V	277V	120V	277V	120V	277V
Input Current (A)	0.23	0.103	0.24	0.107	0.292	0.152	0.351	0.159	0.384	0.172
Input Power (W)	27.5	27.5	28.6	28.5	34.6	35.1	42.1	42.1	45.9	45.6
In-rush (A)	2.5	5.6	2.5	11.6	3.4	13.9	3.1	14.7	3.1	14.8
Inrush duration (µs)	232	123	216	111	183	95	200	98	202	100
THD (%)	6.5	8.1	7.8	8.3	5.6	10	4.1	9.5	4.5	8.5
PF	≥ 0.99	≥ 0.96	≥ 0.99	≥ 0.96	≥ 0.99	≥ 0.93	≥ 0.99	≥ 0.94	≥ 0.99	≥ 0.95

Series	5000 lumen		5500 lumen		6000 lumen	
Input Voltage 120-277VAC	120V	277V	120V	277V	120V	277V
Input Current (A)	0.419	0.186	0.457	0.201	0.489	0.214
Input Power (W)	50.1	49.5	54.6	53.7	58.4	57.4
In-rush (A)	3.1	15	3.2	14.8	3.4	14.8
Inrush duration (µs)	202	117	196	131	192	121
THD (%)	5.5	7.6	7	7.2	8.1	7.2
PF	≥ 0.99	≥ 0.96	≥ 0.99	≥ 0.96	≥ 0.99	≥ 0.97

Minimum starting temperature -30°C (-22°F)* (Nominal input 120-277VAC & 100% of rated output power)
Sound Rating: Class A standards

Notes:
* Emergency Battery packs are rated for a minimum starting temperature of 0°C.

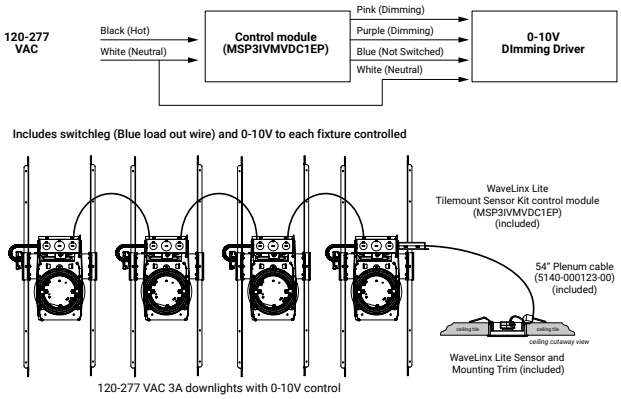
Connected Systems

WaveLinx Lite - WTK Tilemount Sensor

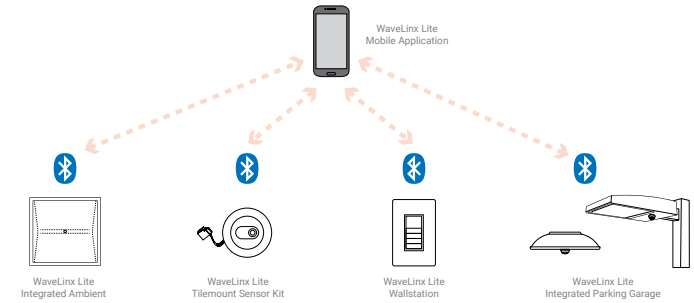
- Intuitive Android™ or Apple® iOS® app for basic system code compliant set up and configuration via Bluetooth
- Up to 28 unique areas per project site (WaveLinx Lite Bluetooth network)
- Up to 50 devices for an area, any one of 16 control zones, up to 6 occupancy sets, and custom lighting scenes
- Automatic occupancy or vacancy, sensor sensitivity, daylight dimming, etc. configurable through the app
- Refer to the WaveLinx system specifications for details

Device Security | Manual Dimmer | Occupancy Sensor | Daylighting Control | Manually Switched ON/OFF | Tuning Control | Lumen Maintenance Control | Scenes

WaveLinx Lite WTK Tilemount Wiring Diagram



WaveLinx Lite Bluetooth Enabled System



WaveLinx – WTA Tilemount Sensor

- WaveLinx functionality configures zones and customizes settings from one secure mobile app
- Automatic code commissioning that meets the strictest codes
- Fixtures and sensors integrate with Wireless Area Controller, Wall Stations, and Control Devices
- Stand-Alone Offices or Entire Building Network Installations

Downlights with tilemount sensor wireless communication
Highly efficient LED fixtures

Wireless Area Controller
Provides centralized coordination of multiple area control options

Wireless Wall Station/Receptacle
Provides customized wireless control of each area

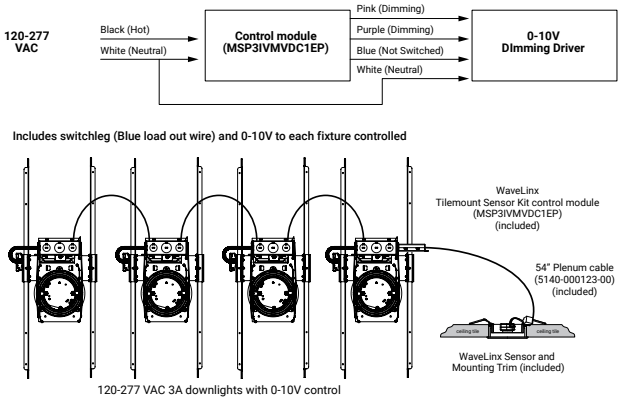
Mobile Applications
Provides personalized, local control from a tablet or smartphone

WaveLinx mobile app settings

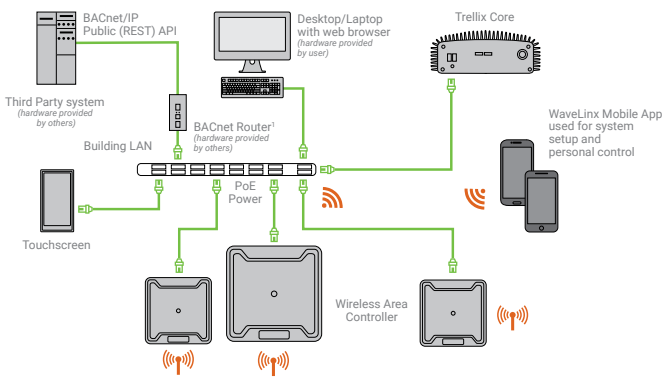
Manual Dimmer | Occupancy Sensor | Lumen Maintenance Control | Daylighting Control

Receptacle Control | Tuning Control | Scheduling | Manually Switched ON/OFF | Demand Response

WaveLinx WTA Tilemount Wiring Diagram

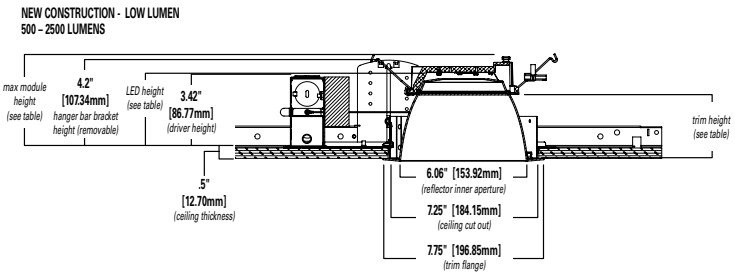


WaveLinx Trellix Building Management Integration



Dimensional and Mounting Details

NEW CONSTRUCTIONS - LOW LUMEN 500 – 2500 LUMENS

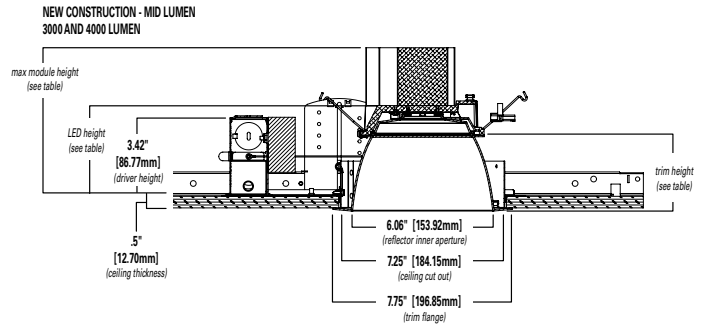


Low Lumen (500 – 2500 Lumens)*

Distribution	Max. Module Height	Trim Height	LED Height
Narrow	4.5"	3.4"	3.8"
Medium	4.6"	3.5"	3.9"
Wide	4.4"	3.3"	3.7"
Baffle	4.4"	3.3"	3.7"

*Max. height w/removable hanger bar bracket 4.2"

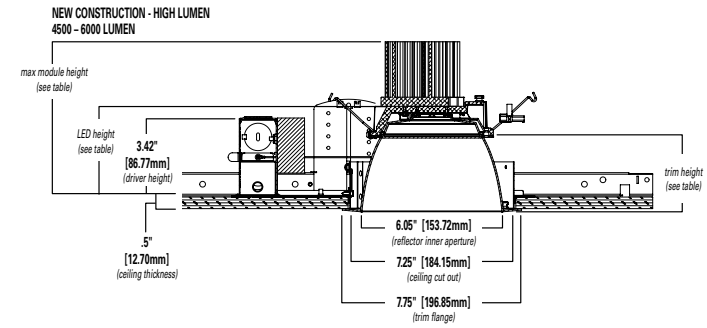
NEW CONSTRUCTIONS - MID LUMEN 3000 – 4000 LUMENS



Mid Lumen (3000 – 4000 Lumens)

Distribution	Max. Module Height	Trim Height	LED Height
Narrow	6.6"	3.4"	3.8"
Medium	6.7"	3.5"	3.9"
Wide	6.5"	3.3"	3.7"
Baffle	6.5"	3.3"	3.7"

NEW CONSTRUCTIONS - HIGH LUMEN 4500 – 6000 LUMENS



High Lumen (4500 – 6000 Lumens)

Distribution	Max. Module Height	Trim Height	LED Height
Narrow	6.9"	3.4"	3.8"
Medium	7.0"	3.5"	3.9"
Wide	6.8"	3.3"	3.7"
Baffle	6.8"	3.3"	3.7"

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Specifications and dimensions
subject to change without notice.

Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALR-030-CL-A2

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Surface Mount Fixture
Item Type	Surface Mount Downlight
Description	Downlight 8" Aperture - Surface Mount
Manufacturer	Cooper/Halo
Model	PR8S15D010MW-PR8M12WDMW- 3000K
Dimensions	3.5" H x 11-11/16"W
Finish	White
Lamp Type	LED
Trim	White
Lamp Kelvin	3000K
Voltage	120-277V
Mount	Surface Mount
On Dimming System	No
Delivered Lumens (LED) or Mean Lumens (Non-LED)	1591
Finish	White
Lens/Shade	Clear
Lamp CRI	82+
Lead Time	In stock or 4 weeks
Warranty	Five year limited warranty
Notes	Efficacy: 96.9 Lamp Life/Fixture Life: 50000 Fixture Input (Max. Watts): 15

SPECIAL INSTRUCTIONS

Block and plank installations surface mount to Jbox. Use at ceilings 10' high and below.

MANUFACTURER

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 2

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Stairs

Halo Commercial

DESCRIPTION

Surface 8-inch shallow lens LED medium and wide distribution downlight is available in multiple lumen combinations. Choose between 3000K, 3500K and 4000K CCT in the field with seleCCTable™ technology. Suitable for commercial new construction or renovation work. Coordinated recessed versions are also available. Use for general area lighting where high efficiency and long life are required.

Catalog #	PR8S15D010MW-PR8M12WDMW-3000K	Type
Project		
Comments		Date
Prepared by	Kathleen Kenny National Accounts Ph: 678-447-5208 Kathleen.kenny@cooperlighting.com	August 2020

SPECIFICATION FEATURES

Mechanical
Housing

- One piece spun aluminum surface mount housing is available in powder coat matte white and matte black and painted metallic silver finishes.
- May be used for new construction or renovation work.

Mounting

- Provided with mounting pattern for direct installation to 3-1/4"and 4" octagonal or 4" square junction box.

LED Module

- Self–flanged aluminum housing maximizes thermal performance.
- LED array uses a plurality of mid-power surface mount LED packages delivering high flux and excellent efficiency.
- Switch selectable 3000K, 3500K or 4000K CCT reduces ordering complexity and provides flexibility in the field.
- Color point accuracy within 3 SDCM and 80 CRI minimum provides color quality and uniformity.
- Passive thermal management achieves L70 at 50,000 hours.
- Integral connector allows quick connection during installation.

LED Module – Lens Optics

- Medium and wide beam interchangeable polymer lens pre-installed in LED module
- Optional field installed wall wash kit offers 360° rotation, allowing the housing to be installed in any orientation

Retention

- Module retained with two torsion springs holding the LED module tight to the housing.

Electrical
Driver

- Integral UNV 120 - 277V 50/60 Hz constant current driver provides noise free operation.
- Continuous, dimming from 100% to 1% using 0 -10V analog control.

Compliance

- cULus Listed/Classified, wet location labeled for covered ceilings.
- IP55 rated
- EMI/RFI emissions per FCC 47CFR Part 18 non-consumer limits.
- Contains no mercury or lead and RoHS compliant.
- Photometric testing in accordance with IES LM-79-08 and TM-30-15.
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11.
- Can be used to comply with California Title 24 Non-Residential Lighting Controls requirements as a LED Luminaire.
- ENERGY STAR® Certified. See energystar.gov website for current information.

Warranty

- Limited 5-year warranty, see website for details. www.cooperlighting.com/legal

PR8S10
PR8S15
PR8S20
PR8S30
PR8S40

PR8M12
PR8M34

1000, 1500, 2000, 3000 & 4000 Lumen Series

8-Inch Shallow Lens LED Surface Downlight

Medium, Wide & Wall Wash Distribution

seleCCTable™

ENERGY STAR

ORDERING INFORMATION

CYLINDER SAMPLE NUMBER: PR8S40D010MW
A complete luminaire consists of a cylinder and LED module, order separately.

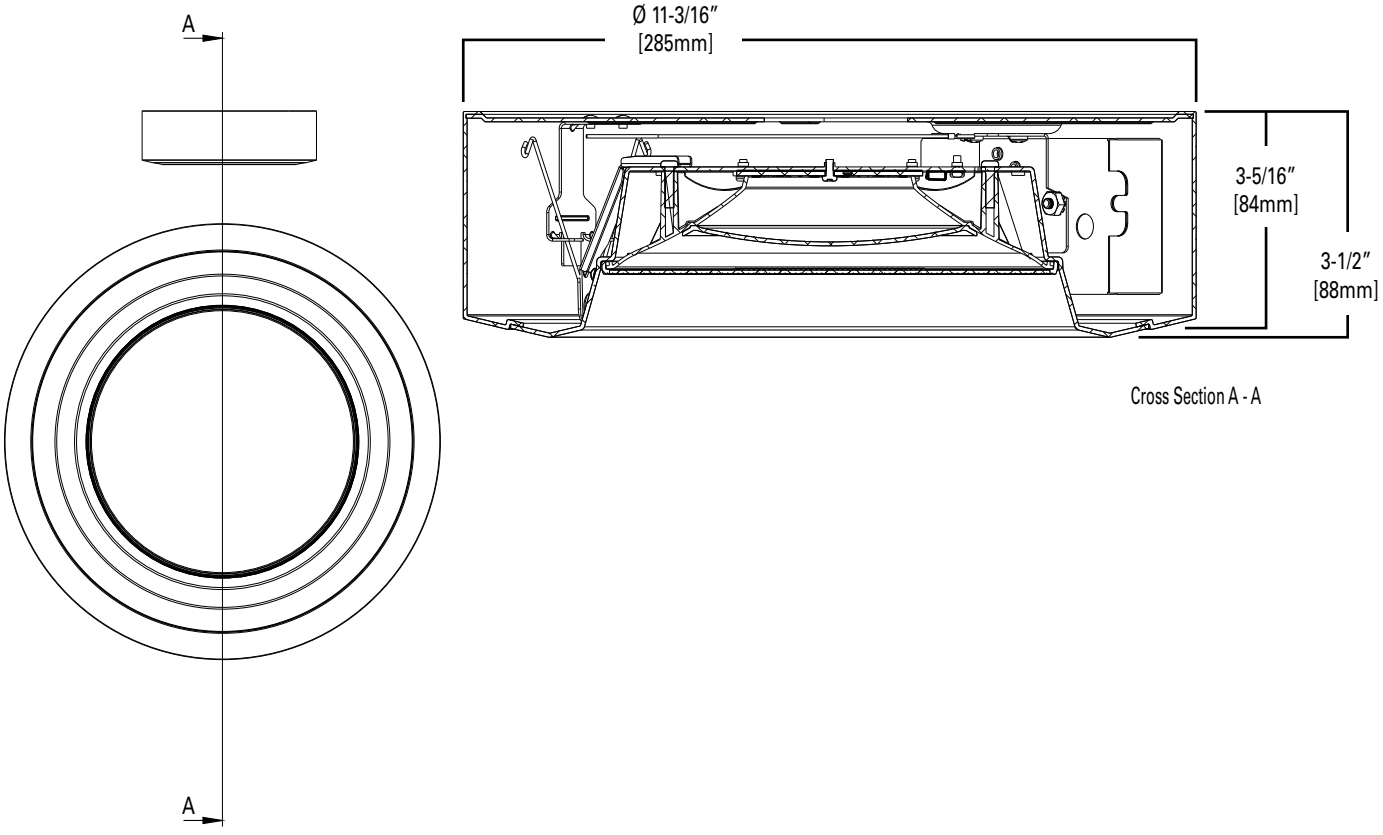
Frame	Lumens	Driver	Finish
PR8S = 8" aperture LED downlight surface mount cylinder	**10** = 1,000 lumens (nominal) **15** = 1,500 lumens (nominal) **20** = 2,000 lumens (nominal) **30** = 3,000 lumens (nominal) **40** = 4,000 lumens (nominal)	**D010** = 120-277V 50/60Hz, 0-10V 100% to 1% dimming	**MW** = Matte White **MB** = Matte Black **MMS** = Matte Metallic Silver

MODULE SAMPLE NUMBER: PR8M34MDMW
A complete luminaire consists of a frame and LED module, order separately.

LED Module	Shielding	Flange Finish
PR8M12 = Downlight LED module for PR8 series, provides 1000, 1500 or 2000 lumens (nominal) depending on connected frame type **PR8M34** = Downlight LED module for PR8 series, provides 3000 or 4000 lumens (nominal) depending on connected frame type	**MD** = Medium distribution plastic lens **WD** = Wide distribution plastic lens	**MW** = Matte White **MB** = Matte Black **MMS** = Matte Metallic Silver

Accessories
PR8WW = Field Installed wall wash optic for PR8M12 and PR834 modules **PR8MD** = Replacement 8" medium distribution lens for PR8M12 and PR8M34 modules **PR8WD** = Replacement 8" wide distribution lens for PR8M12 and PR8M34 modules

DIMENSIONS



LUMEN TABLES

1000 Lumen, 10.5W	3000K		3500K		4000K	
	Lumens	LPW	Lumens	LPW	Lumens	LPW
Medium Distribution Lens, Matte White Trim	1176	112	1326	126	1245	119
Medium Distribution Lens, Matte Black Trim	1072	102	1209	115	1134	108
Medium Distribution Lens, Matte Metallic Silver Trim	1137	108	1282	122	1203	115
Wide Distribution Lens, Matte White Trim	1172	112	1322	126	1240	118
Wide Distribution Lens, Matte Black Trim	1063	101	1198	114	1125	107
Wide Distribution Lens, Matte Metallic Silver Trim	1126	107	1270	121	1192	114
Wall Wash Optic, Matte White Trim	996	95	1130	108	1061	101

1500 Lumen, 15W	3000K		3500K		4000K	
	Lumens	LPW	Lumens	LPW	Lumens	LPW
Medium Distribution Lens, Matte White Trim	1597	106	1800	120	1690	113
Medium Distribution Lens, Matte Black Trim	1455	97	1641	109	1540	103
Medium Distribution Lens, Matte Metallic Silver Trim	1543	103	1740	116	1633	109
Wide Distribution Lens, Matte White Trim	1591	106	1794	120	1684	112
Wide Distribution Lens, Matte Black Trim	1443	96	1627	108	1527	102
Wide Distribution Lens, Matte Metallic Silver Trim	1529	102	1724	115	1618	108
Wall Wash Optic, Matte White Trim	1349	90	1534	102	1440	96

2000 Lumen, 22W	3000K		3500K		4000K	
	Lumens	LPW	Lumens	LPW	Lumens	LPW
Medium Distribution Lens, Matte White Trim	2186	99	2465	112	2313	105
Medium Distribution Lens, Matte Black Trim	1992	91	2246	102	2108	96
Medium Distribution Lens, Matte Metallic Silver Trim	2113	96	2382	108	2236	102
Wide Distribution Lens, Matte White Trim	2179	99	2456	112	2305	105
Wide Distribution Lens, Matte Black Trim	1975	90	2227	101	2090	95
Wide Distribution Lens, Matte Metallic Silver Trim	2093	95	2360	107	2215	101
Wall Wash Optic, Matte White Trim	1847	84	2100	95	1971	90

3000 Lumen, 28.5W	3000K		3500K		4000K	
	Lumens	LPW	Lumens	LPW	Lumens	LPW
Medium Distribution Lens, Matte White Trim	3217	113	3630	127	3376	118
Medium Distribution Lens, Matte Black Trim	2917	102	3292	116	3062	107
Medium Distribution Lens, Matte Metallic Silver Trim	3092	108	3488	122	3244	114
Wide Distribution Lens, Matte White Trim	3200	112	3610	127	3358	118
Wide Distribution Lens, Matte Black Trim	2901	102	3274	115	3045	107
Wide Distribution Lens, Matte Metallic Silver Trim	3075	108	3469	122	3227	113
Wall Wash Optic, Matte White Trim	2702	95	3053	107	2840	100

4000 Lumen, 43.5W	3000K		3500K		4000K	
	Lumens	LPW	Lumens	LPW	Lumens	LPW
Medium Distribution Lens, Matte White Trim	4397	101	4961	114	4614	106
Medium Distribution Lens, Matte Black Trim	3987	92	4498	103	4184	96
Medium Distribution Lens, Matte Metallic Silver Trim	4225	97	4767	110	4433	102
Wide Distribution Lens, Matte White Trim	4372	101	4933	113	4588	105
Wide Distribution Lens, Matte Black Trim	3965	91	4473	103	4161	96
Wide Distribution Lens, Matte Metallic Silver Trim	4201	97	4740	109	4409	101
Wall Wash Optic, Matte White Trim	3698	85	4172	96	3880	89

ENERGY DATA

Lumens	1000 Series	
Input Voltage	120V	277V
Input Current	0.09A	0.04A
Input Power	10.5W	11.2W
THD: ≤ 20%		
PF: ≥ 0.90		
T Ambient -30 - +40°C		
Sound Rating ≤ 22dba		

Lumens	1500 Series	
Input Voltage	120V	277V
Input Current	0.125A	0.06A
Input Power	15W	15.5W
THD: ≤ 20%		
PF: ≥ 0.90		
T Ambient -30 - +40°C		
Sound Rating ≤ 22dba		

Lumens	2000 Series	
Input Voltage	120V	277V
Input Current	0.18A	0.08A
Input Power	22W	22.5W
THD: ≤ 20%		
PF: ≥ 0.90		
T Ambient -30 - +40°C		
Sound Rating ≤ 22dba		

Lumens	3000 Series	
Input Voltage	120V	277V
Input Current	0.24A	0.10A
Input Power	28.5W	28.5W
THD: ≤ 20%		
PF: ≥ 0.90		
T Ambient -30 - +40°C		
Sound Rating ≤ 22dba		

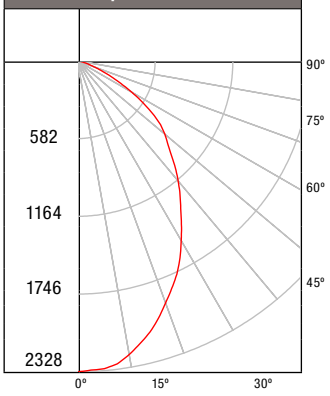
Lumens	4000 Series	
Input Voltage	120V	277V
Input Current	0.36A	0.16A
Input Power	43.5W	43W
THD: ≤ 20%		
PF: ≥ 0.90		
T Ambient -30 - +40°C		
Sound Rating ≤ 22dba		

MEDIUM DISTRIBUTION PHOTOMETRY

PR8S40D010 - PR8M34MDMW - 3500K
Spacing Criteria = 1.04
Lumens per Watt = 96.4 Lm/W
Test No. P210615
Test Model: PR8S40D010-PR8M34MDMW-3500K

Zonal Lumen Summary		
Zone	Lumens	% Fixture
0-30	1614	38.5
0-40	2461	58.7
0-60	3839	91.5
0-90	4195	100

Candlepower Distribution



Candela Distribution	
Degrees Vertical	Candela
0*	2328
5	2314
10	2234
20	1929
30	1554
40	1174
50	855
60	468
70	142
80	11
90	0

Luminance	
(Average Candela/M²)	
Degree	Avg. 0° Luminance
45	43273
55	36950
65	20335
75	7184
85	0

Cone of Light Footcandles			
Distance to Illuminated Plane	Initial Nadir Footcandles	Beam (ft.)	
		L Length	W Width
5.5'	77	5.6	5.6
7'	47.5	7.2	7.2
8'	36.4	8.2	8.2
9'	28.7	9.2	9.2
10'	23.3	10.2	10.2
12'	16.2	12.4	12.4

Beam diameter is to 50% of maximum footcandles, rounded to the nearest half-foot.
Footcandle values are initial, apply appropriate light loss factors where necessary.

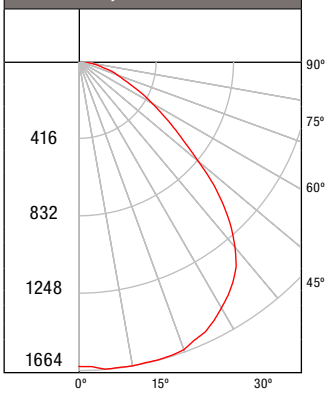
*CBCP

WIDE DISTRIBUTION PHOTOMETRY

PR8S40D010 - PR8M34WDMW - 3500K
Spacing Criteria = 1.37
Lumens per Watt = 95.9 Lm/W
Test No. P210645
Test Model: PR8S40D010-PR8M34WDMW-3500K

Zonal Lumen Summary		
Zone	Lumens	% Fixture
0-30	1367	32.8
0-40	2267	54.3
0-60	3670	88
0-90	4172	100

Candlepower Distribution



Candela Distribution	
Degrees Vertical	Candela
0*	1641
5	1663
10	1664
20	1651
30	1533
40	1306
50	838
60	456
70	221
80	61
90	0

Luminance	
(Average Candela/M²)	
Degree	Avg. 0° Luminance
45	48127
55	33429
65	23210
75	15667
85	11393

Cone of Light Footcandles			
Distance to Illuminated Plane	Initial Nadir Footcandles	Beam (ft.)	
		L Length	W Width
5.5'	54.3	7.4	7.4
7'	33.5	9.4	9.4
8'	25.7	10.8	10.8
9'	20.3	12.2	12.2
10'	16.4	13.6	13.6
12'	11.4	16.2	16.2

Beam diameter is to 50% of maximum footcandles, rounded to the nearest half-foot.
Footcandle values are initial, apply appropriate light loss factors where necessary.

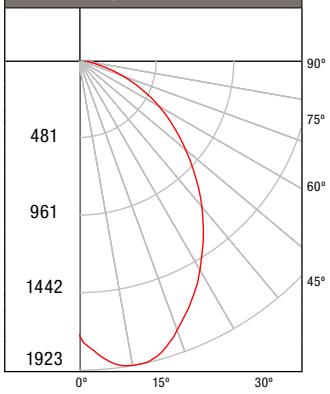
*CBCP

WALL WASH PHOTOMETRY

PR8S40D010 - PR8M34WW - 3500K
Spacing Criteria = 0.99
Lumens per Watt = 81.1 Lm/W
Test No. P210675
Test Model: PR8S40D010-PR8M34WW-3500K

Zonal Lumen Summary		
Zone	**Lumens**	**% Fixture**
0-30	1207	34.2
0-40	1869	53
0-60	2999	85
0-90	3528	100

Candlepower Distribution



Candela Distribution	
Degrees Vertical	**Candela**
0*	1699
5	1860
10	1923
20	1782
30	1502
40	1189
50	866
60	576
70	292
80	60
90	0

Luminance	
(Average Candela/M²)	
Degree	**Avg. 0° Luminance**
45	44638
55	38547
65	31514
75	18110
85	5201

Specifications and dimensions subject to change without notice.

Single Unit Footcandles

	2.5' from wall (distance from fixture along wall)						
1	43.8	31.9	14.4	5.7	2.4	1	0.5
2	62.9	50.8	29.1	14.5	7.1	3.5	1.8
3	50.2	43.3	29	17	9.6	5.4	3.1
4	34.3	30.8	23.1	15.4	9.7	6	3.7
5	23	21.2	17.1	12.5	8.7	5.8	3.9
6	15.6	14.7	12.5	9.8	7.3	5.2	3.7
7	10.9	10.4	9.1	7.5	5.9	4.5	3.3
8	7.9	7.5	6.8	5.8	4.7	3.8	2.9
9	5.8	5.6	5.1	4.5	3.8	3.1	2.5
10	4.4	4.2	3.9	3.5	3	2.6	2.1

Multiple Unit Footcandles

	2.5' from wall (spacing between fixtures) 3		
1	49.6	44.5	49.6
2	77.4	79.5	77.4
3	67.2	72.7	67.2
4	49.7	54.4	49.7
5	35.5	38.7	35.5
6	25.4	27.4	25.4
7	18.4	19.6	18.4
8	13.6	14.3	13.6
9	10.3	10.7	10.3
10	7.9	8.2	7.9

Multiple Unit Footcandles

	2.5' from wall (spacing between fixtures) 4		
1	46.2	28.9	46.2
2	69.9	58.2	69.9
3	59.7	58	59.7
4	44	46.3	44
5	31.7	34.2	31.7
6	22.9	24.9	22.9
7	16.8	18.2	16.8
8	12.6	13.5	12.6
9	9.6	10.2	9.6
10	7.4	7.9	7.4

Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

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Specifications and dimensions subject to change without notice.

Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALR-030-CL-A3

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Surface Mount Fixture
Item Type	Surface Mount Direct/Indirect Light
Description	Surface Mount stairwell light with integrated sensor
Manufacturer	Cooper/Metalux
Model	4SWLED-LD4-48HL-LWUNV- L835-CD2-SVPD1 Order (1) ISHH-01 Per project for onsite configuration. 100% on occupancy, 50% unoccupied or to program to meet local code requirements.
Dimensions	4-1/2"W x 52"L x 4-11/16"H
Finish	White
Lamp Type	LED
Trim	White
Lamp Kelvin	3500K
Reflector	Frosted Lens with Wide Distribution
Voltage	120-277V
Mount	Surface Mount
On Dimming System	No
Delivered Lumens (LED) or Mean Lumens (Non-LED)	4800
Finish	White
Lens/Shade	Frost
Lamp CRI	80+
Lead Time	In stock or 4 weeks
Warranty	Five year limited warranty
Notes	Efficacy: 105.9 Lamp Life/Fixture Life: 50000 Fixture Input (Max. Watts): 43.3

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 2

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

AREAS

Stairs

ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Project		**Catalog #**	4SWLED-LD4-48HL-LW-UNV-L835-CD2-SVPD1 Order (1) ISHH-01 Per project for onsite configuration.	**Type**	
Prepared by	Kathleen Kenny National Accounts	**Notes**	Ph/Cell: 678-447-5208 Kathleen.kenny@cooperlighting.com	**Date**	August 2020

Metalux

SWLED

Surface and Wall LED

Typical Applications
Commercial • Industrial

Interactive Menu

- Order Information page 2
- Photometric Data page 3
- Control Solutions page 5
- Product Warranty

Product Certification

Product Features

damp location

LINEAR DISCONNECT
Safe and convenient means of disconnecting power

Connected Systems

MWS MODULAR WIRING SYSTEM CLICK HERE

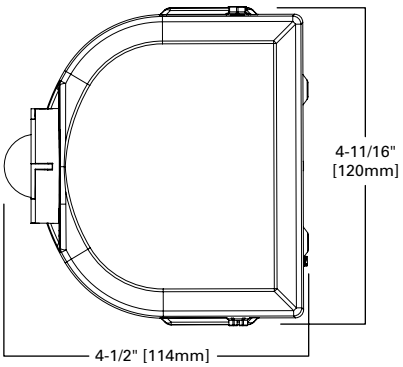
powered by fifthlight

LumaWatt Pro
Connected Lighting Wireless System
Powered by enlighted

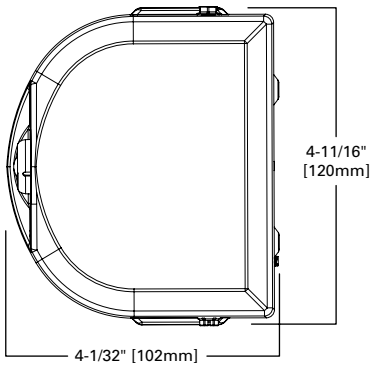
Top Product Features

- Lumen packages up to 2000 lumens per foot for high mounting locations
- Excellent performance with lm/W, ranging up to 150 lm/W with LC lens
- 4ft. and 2ft. product configurations for mounting versatility
- Multiple sensor options for connected or control at multiple heights
- Standard 0-10V driver with optional DALI, 1% and step dimming options

Dimensional and Mounting Details



WITH SVPD SENSORS



WITH LUMAWATT PRO
OR WAVELINX SENSORS

additional product diagrams

Order Information

SAMPLE ORDER NUMBER: **4SWLED-40SL-LW-UNV-L840-CD1-SVPD2-U**

Length | Series | Lumen Output | Optic | Voltage | Emergency Options

Length	Series [9]	Lumen Output	Optic	Voltage	Emergency Options [3], [7]
2=2 ft. Length **4**=4 ft. Length	**SWLED**=LED Surface and Wall	**LED Lumens** [1] **8SL**=900 [2] **16SL**=1600 **20SL**=2000 **24HL**=2400 **28HL**=2800 **28SL**=2800 [3] **32SL**=3200 **36SL**=3600 **40SL**=4000 **44HL**=4400 **48HL**=4800 **52HL**=5200 **56HL**=5600 **60HL**=6000 **64HL**=6400 **67HL**=6700 **72HL**=7200 **78HL**=7800 **80HL**=8000	**LC**=Clear Lens **LN**=Semi-Frost Lens- Narrow **LW**= Full Frost Lens- Wide	**UNV**=Universal Voltage 120-2777 **347V**=347 Volt [8] **UNC**=347V/480V [19]	**EL7W**=7-watt, 120V-277V emergency battery pack installed [4] **EL14W**=14-watt 120V-277V emergency battery pack installed [4] **GTR2**=Bodine Generator Transfer Relay [11] **ETRD**=Emergency Transfer Relay with dimming control [11]
	Notes (9) DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details.	**Notes** (1) Nominal lumen output see table for performance values. (2) 2 ft. model. (3) Integral options only available in 4ft model.		**Notes** (8) 347V option – 60HL and above uses two drivers. (19) 347V listing in DLC is for standard 347V ONLY driver. No DLC listing for UNC.	**Notes** (3) Integral options only available in 4ft model. (4) With integral test switch/indicator/ laser test. For approximate delivered lumens multiply the lumens per watt of the desired fixture by the wattage of the emergency battery pack (100 lm/W x 7=700 lumens). IES-format photometry for luminaire under emergency operation available. (7) Integral EL battery pack is rated for 35°C. (11) Used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others). GTR2 option includes 2 relays on fixtures with dimming drivers. ETRD option only requires one relay when used on a dimming fixture. Must specify voltage as 120V or 277V when ordering these devices.

CCT | Driver Type | Number of Drivers | Integrated Sensing Systems | Packaging

CCT	Driver Type	Number of Drivers	Integrated Sensing Systems	Packaging
L835=3500K **L840**=4000K **L850**=5000K	**CD**=0-10V Dimming Driver **HCD**=0-10V Dimming Driver (1% - 100% Dimming) **SD**=Step-Dim Driver **5LTD**=Fifth Light (DALI)Driver **SR**=Sensor-ready (1%-100% Dimming) [12]	**1**=1 Driver **2**=2 Drivers [8]	**SWPD1**=WaveLinx Wireless Integrated Sensor [17], [18], (A) **LWIPD1**=LumaWatt Pro Wireless Integrated Sensor [12], (B) **LWTPD1**=LumaWatt Pro Wireless Tile-mount Sensor [15], [16], (B) **SVPD1**=0-10V Stand-alone, Integrated occupancy and daylight dimming sensor, 500 sq. ft. coverage [D] **SVPD2**=Integrated occupancy and daylight dimming sensor, 900 sq. ft. coverage [6], [10], [14] **SVPD3**=Integrated occupancy and daylight dimming sensor, 1200 sq. ft. coverage [5], [14]	**U**=Unit Pack
	Notes (12) SR driver compatible with LWI option only.	**Notes** (8) 347V option – 60HL and above uses two drivers.	**Notes** (5) For mounting heights up to 30 ft. (6) For mounting heights up to 12 ft. (10) For wall mount applications. (12) SR driver compatible with LWI option only. (14) Integral sensor works with CD and HCD driver and is factory prewired to the driver for stand-alone control. (15) LWT compatible with CD and HCD drivers only. (16) LWT sensor is external to luminaire, cable factory wired. (17)SW compatible with CD and HCD drivers only. (18) SW option must be used in conjunction with a Cooper Lighting Solutions control system. For complete Cooper Lighting Solutions wireless system solutions, visit www.cooperlighting.com Integrated options must be used in conjunction with the associated system and may not be compatible with other options or accessories. Please refer to the following: (A) Consult WaveLinx system pages for additional details and compatibility. (B) Consult LumaWatt Pro system pages for additional details and compatibility. (D) Consult SVPD series system pages for additional details and compatibility.	

Accessories

Accessories (order separately)
SCF=Fixed Stem Set (Specify Length) **SCS**=Swivel Stem Set (Specify Length) **SCA**=Adjustable 48" Stem Set **A1B/Spacer-U**=Spacer 1-1/2" to 2-1/2" from ceiling (Use 2 Per Fixture) **ISHH-01**=Programming Remote for Integrated Sensor **ISHH-02**=Personal Control Remote for Integrated Sensor
Notes Integrated options must be used in conjunction with the associated system and may not be compatible with other options or accessories. Please refer to the following: (D) Consult SVPD series system pages for additional details and compatibility.

Metalux SWLED

Product Specifications

Construction
- Die formed cold rolled steel housing
- Decorative white opaque injection molded end plates
- Reflector/channel wireway cover secured by fasteners for easy access
- Numerous channel KO's for easy installation

Controls
- 0-10V dimming to 1% standard
- WaveLinx sensor compatible for IoT capability
- LumaWatt Pro sensor compatible for IoT capability
- SVPD sensor compatible for out of the box functionality
- DLVP sensor and driver compatible for low voltage applications
- DALI 2.0, Lutron, and stepdimming available

Electrical
- Long-life LED system with electrical driver for optimal performance
- Available in 3500K, 4000K, or 5000K with minimum 80 CRI
- TM21 rating up to L91> 60,000hours

Emergency Battery Pack Option
- Optional 120V-277V integral battery pack in 7w or 14w options
- 90 minute backup period
- Test swtich/indicator button with laser pointer testing feature for ground testing
- EZ Key system prevents accidental discharge during construction
- Emergency/Generator transfer options available

Finish
- High reflective post painted finish (PAF)
- Treated in multistage iron phosphate pretreatment

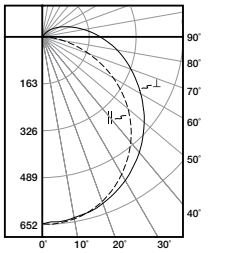
Shielding
- Three lens options available: LC (clear), LN (semi-frost with narrow distribution), and LW (full frost with wide distribution)
- Lens is held in place by removable injection molded white end caps

Installation
- Surface mount (www woo ceiling)
- Suspended mount

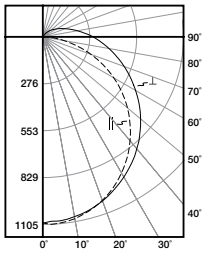
Compliance
- cULus listed for up to 40C ambient environments
- Damp location listed for ceiling and wall mounting
- Comply with IESNA LM-79 and LM-80 testing standards
- Suitable for use in clothes closets
- Recommended for use in stairwells when installed to NEC 410.16 spacing requirements
- Can be used for State of California Title 24 high
- efficacy luminare
- DesignLights Consortium Qualified and classified for both DLC Standard and DLC Premium

Photometric Data

View IES files



2SWLED-24HL-LW-UNV-L840-CD1-U
Electronic Driver
Linear LED 4000K
Spacing criterion:(II) 1.25 x mounting height, (⊥) 1.32 x mounting height
Lumens: 2475
Input Watts: 24W
Efficacy: 103.1 lm/W
Test Report: 2SWLED-24HL-LW-UNV-L840-CD1-U-IES



4SWLED-40SL-LW-UNV-L840-CD1-U
Electronic Driver
Linear LED 4000K
Spacing criterion: (II) 1.25 x mounting height, (⊥) 1.29 x mounting height
Lumens: 4015
Input Watts: 37.9W
Efficacy: 105.9 lm/W
Test Report:4SWLED-40SL-LW-UNV-L840-CD1-U-IES

Metalux SWLED

Energy and Performance Data

Lens Type	Lumen Type	Length	Catalog Number	Nominal Lumens	Wattage	lm/W with LW Lens	Approx. lm/W with LC/LN Lens
Full Frost (LW)	Standard	2 ft.	2SWLED-8SL-LW-UNV-L840-CD1-U	914	9.0	102	120
Full Frost (LW)	Standard	2 ft.	2SWLED-16SL-LW-UNV-L840-CD1-U	1597	15.9	100	118
Full Frost (LW)	Standard	2 ft.	2SWLED-20SL-LW-UNV-L840-CD1-U	1987	20.6	96	115
Full Frost (LW)	High	2 ft.	2SWLED-24HL-LW-UNV-L840-CD1-U	2475	24	103	133
Full Frost (LW)	High	2 ft.	2SWLED-28HL-LW-UNV-L840-CD1-U	2813	27.9	101	130
Full Frost (LW)	Standard	4 ft.	4SWLED-16SL-LW-UNV-L840-CD1-U	1626	14.3	114	148
Full Frost (LW)	Standard	4 ft.	4SWLED-16SL-LW-UNV-L840-CD1-U	1983	17.6	113	146
Full Frost (LW)	Standard	4 ft.	4SWLED-28SL-LW-UNV-L840-CD1-U	2841	24.8	115	148
Full Frost (LW)	Standard	4 ft.	4SWLED-32SL-LW-UNV-L840-CD1-U	3217	28.6	112	145
Full Frost (LW)	Standard	4 ft.	4SWLED-36SL-LW-UNV-L840-CD1-U	3573	32.8	109	141
Full Frost (LW)	Standard	4 ft.	4SWLED-40SL-LW-UNV-L840-CD1-U	4015	37.9	106	137
Full Frost (LW)	Standard	4 ft.	4SWLED-44HL-LW-UNV-L840-CD1-U	4436	39.7	106	145
Full Frost (LW)	High	4 ft.	4SWLED-48HL-LW-UNV-L840-CD1-U	4899	44.6	110	143
Full Frost (LW)	High	4 ft.	4SWLED-52HL-LW-UNV-L840-CD1-U	5175	47.7	108	140
Full Frost (LW)	High	4 ft.	4SWLED-56HL-LW-UNV-L840-CD1-U	5623	52.9	106	137
Full Frost (LW)	High	4 ft.	4SWLED-60HL-LW-UNV-L840-CD1-U	5977	53.7	111	144
Full Frost (LW)	High	4 ft.	4SWLED-64HL-LW-UNV-L840-CD1-U	6369	58.2	109	141
Full Frost (LW)	High	4 ft.	4SWLED-67HL-LW-UNV-L840-CD1-U	6708	61.9	108	140
Full Frost (LW)	High	4 ft.	4SWLED-72HL-LW-UNV-L840-CD1-U	7201	67.7	106	137
Full Frost (LW)	High	4 ft.	4SWLED-78HL-LW-UNV-L840-CD1-U	7832	75.4	104	135
Full Frost (LW)	High	4 ft.	4SWLED-80HL-LW-UNV-L840-CD1-U	8060	78.4	103	133

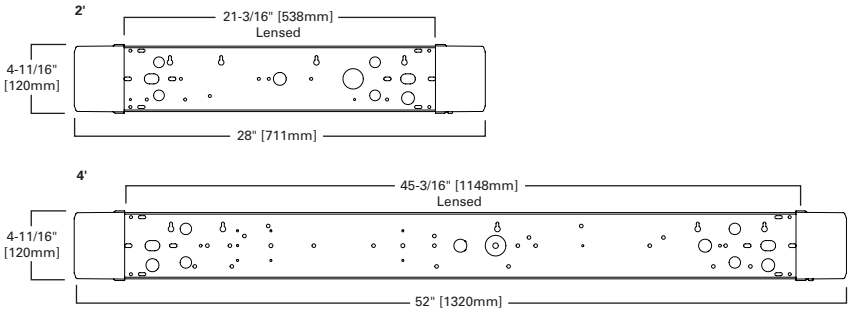
CCT Table

Approximate Color Temperature Multiplier	
5000K	1.03
4000K	1.00
3500K	0.98

Shipping Data

Catalog No.	Wt.
2SWLED	6 lbs.
4SWLED	12 lbs.

Dimensional and Mounting Details



Metalux SWLED

Control Systems

- WaveLinx
- DLVP
- LumaWatt Pro
- iLumin Plus
- VividTune

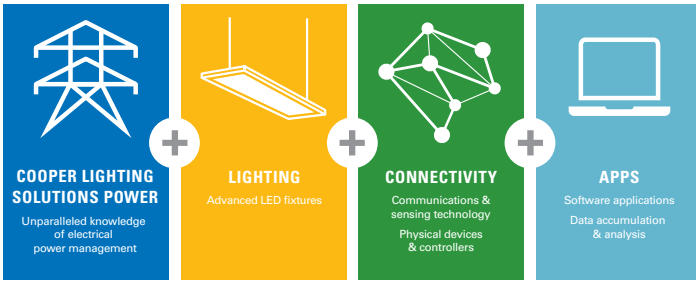
The SWLED with Integrated Sensor technology provides automatic energy savings without sacrificing performance. Traditionally, these types of energy savings required coordination between the luminaire and a lighting control system. The SWLED delivers superior lighting with integrated occupancy and daylighting controls.

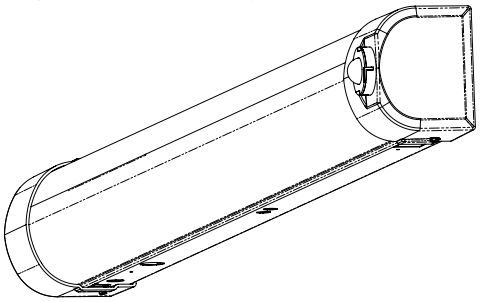
Capture the benefits of traditional lighting controls, without complicated coverage planning or special wiring. Ideal for new construction or retrofit, the SWLED delivers automatic ON to an energy saving light level, while ensuring lighting is turned OFF when the space is unoccupied.

The integral daylight sensor reduces the need for special daylight zone planning. Each luminaire will automatically adjust the light level based on reflected light beneath the sensor in a closed loop method.

The integral sensor can be offered in both standalone (SVPD1) and networked (SWPD1, LWIPD1, and SLVPD1) for application versatility.

We make connections work



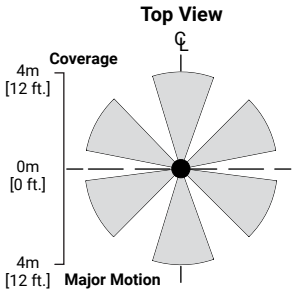


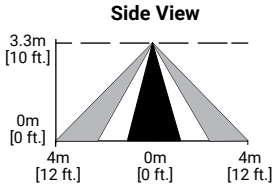
Systems comparison chart

Cooper Lighting Solutions provides many lighting system solutions designed to satisfy code requirements and meet the unique needs of any project.

	Distributed Low-Voltage Power System	WaveLinx	LumaWatt Pro
Space type	**Interior**	**Interior/Outdoor**	**Any**
Stand-alone or Network	**Stand-alone**	**Both**	**Network**
Need-based feature progression			
Basic compliance only	●	●	●
Occupancy sensing	●	●	●
Daylight harvesting	●	●	●
Zone control	●	●	●
Scheduling	●	●	●
0-10V dimming	●	●	●
Individual fixture control	●	●	●
Retrofit+Building Integration	●	●	●
Total wireless connectivity		●	●
A/V integration		●	●
BMS integration		●	●
UI options (touchscreen, apps, etc.)		●	●
Enterprise level building integration		●	●
Facility management & tools		●	●
Floor plan & reporting tools			●
Value-added services			●
Asset tracking			●
API integration		●	●
Analytics/higher problem solving			●

Connected Systems CLICK HERE





Recommended Mounting Height 8-12 ft.

Installation of integrated sensors within 3-ft (1m) of HVAC air vents is not recommended.

Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

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Specifications and dimensions subject to change without notice.

Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALR-030-SI

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Recessed Fixture
Item Type	Recessed Downlight
Description	6" Aperture Down Light
Manufacturer	Signify/Lightolier
Model	LyteProfile 6RNU/ P6R DL15 930 CC P Z10 U
Dimensions	7.25" dia trim flange, 4.6"H
Finish	Comfort Clear
CSI #	265100 - Interior Lighting
Omniclass #	22 - 265100 - Interior Lighting
Lamp Type	LED
Dimming Type	0-10V analog 1%-100% dimming
Trim	Aperture Matching
Lamp Kelvin	3000K
Reflector	Comfort Clear
Voltage	120-277V
Mount	Recessed
On Dimming System	Yes
Delivered Lumens (LED) or Mean Lumens (Non-LED)	1600
Finish	Comfort Clear
Lamp CRI	90
Lead Time	In stock or 4 weeks
Warranty	Five year limited warranty
Notes	Efficacy: 107.5 lm/W Lamp Life/Fixture Life: 50,000 hours Fixture Input (Max. Watts): 15

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

ALTERNATE MANUFACTURER 2

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

AREAS

Stairs

ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

LIGHTOLIER
by signify

Downlighting

LyteProfile

P6R 6" Round Downlight & Wall Wash

ALR-030-SI

Project:
Location:
Cat.No:
Type:
Qty:
Notes:

LyteProfile downlights and wall washers provide a perfect balance of functionality with glare control. The robust and versatile UniFrame frame-in kit makes changes and updates easy to manage and install. Ideal for use in a variety of applications including open office, institutional, healthcare, and retail.

Standard luminaire = Frame + Engine/Trim + Accessories (optional)

Buy American Act of 1933 (BAA)** Compliant luminaire* = Frame-BAC + Engine/Trim-BAC

* BAA compliance requires that BAC option be selected for each of frame and engine/trim. Frame and engine/trim will be ordered/shipped together (ex: 4RN-BAC-Z4RDL20835WOCDZ10U-BAC). Accessories (optional) are not currently BAA-compliant.

Frame

Standard example: 6RN | BAC example: 6RN-BAC

Series	Aperture	Installation	Options	
6	R	N		
6 Uniframe 6-inch Non-IC	**R** Round	**N** New construction (Non-IC)	**–** Universal 120/277/347V[1] **LC** Chicago Plenum **EM6** Emergency, 6W Self-Test/Self-Diagnostic (not available for BAC)[2]	**3** 347V (for non-0-10v configurations) **RADIO** Integral Interact Pro RF sensor (120/277/347V) (enables wireless connected lighting control)[3] **BAC** Meets the requirements of the Buy American Act of 1933 (BAA)**
		R Remodeler (Non-IC)	**–** Universal 120/277/347V[1]	**3** 347V (for non-Z10 configurations)
		A AirSeal (IC)	**–** Universal 120/277/347V[1]	**BAC** Meets the requirements of the Buy American Act of 1933 (BAA)**

Light Engine / Trim

Standard example: P6RDL20835CDZ10U | BAC example: P6RDL20835CDZ10U-BAC

Series	Style	Lumen	CRI / CCT	Reflector	Flange	Dimming	Voltage	Options
P6R	DL	15	830	CC		Z10		
P6R LyteProfile 6-inch Round downlight	**DL** Downlight **LW** Lensed Wall Wash **SL** Shower light[4] (non-conductive lens)	**10** 1000lm **15** 1500lm **20** 2000lm **25** 2500lm **30** 3000lm **35** 3500lm	**827** 80CRI / 2700K **830** 80CRI / 3000K **835** 80CRI / 3500K **840** 80CRI / 4000K **850** 80CRI / 5000K	**CL** Specular clear **CC** Comfort clear **CD** Comfort clear diffuse	**–** White (matte) **B** Black (matte) **P** Polished (matches aperture)	**Z10** 0-10V 1%	**U** 120/277V **3** 347V[5,6] (0-10v only)	**–** None **R** Retrofit (not compatible with IEM6) **IEM6** Trim mounted EM test switch[8] **BAC** Meets the requirements of the Buy American Act of 1933 (BAA)**
				WH White (matte) **BK** Black (matte)	**–** White (matte) **B** Black (matte)	**L** Lutron LDE1 EcoSystem (fade-to-black)	**U** 120/277/347V	
				WHAMF White (gloss antimicrobial)	**–** White (gloss)	**P** Power over Ethernet (PoE)	**E** Ethernet 48V DC	
						Only compatible with 1000 (10) to 2500 (25) lumen configurations		

Accessories (Not currently BAA-compliant - learn more on page 2)

SBA	Interact Ready System Bridge Accessory with integral occupancy and daylight sensor (compatible with all 0-10V options, see SBA spec sheet)[7]
CAEM6	Field installable Bodine BSL6 6W battery pack with self-test/self-diagnostic for use with new construction frames, 120-277V
7925	6" sloped ceiling adapter (refer to SCA spec sheet for slope options)
AMS	ActiLume multi-sensor (optional accessory for PoE configurations)

1. Universal 120-347V is for 0-10v (Z10) dimming configurations only. For 347V non-Z10 dimming, order 347V (3) frame with (U) light engine/trim.
2. Emergency (EM6) frame is compatible with reflector mounted test switch when light engine is ordered with IEM6 option code (not compatible with 347V or Power over Ethernet configurations).
3. Interact Pro (RADIO) requires above ceiling access.
4. Shower light (SL) in only available with White (WH) reflector finish.
5. Specify standard UNV frame for use with 347V light engines
6. The 347V light engine voltage option is only available with Z10 dimming option. For other dimming protocols order UNV (U) light engine and 347V (3) frame.
7. Requires IRT9015 IR remote and Interact Pro App for commissioning.
8. IEM6 option available on DL style only.

** Failure to properly select the "BAC" suffix could result in you receiving product that is not BAA compliant product with no recourse for an RMA or refund. This BAC designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies.

IC INSULATION CONTACT · WET LOCATION · c UL us LISTED · RoHS COMPLIANT · ENERGY STAR · interact ready.

P6R LyteProfile 6"

Round Downlight & Lensed Wall Wash

Features

Optics

- Provides a 60° cutoff (physical and reflected)
- Wide beam distribution for general illumination
- Spun and anodized reflectors available in specular (clear), semi-specular (comfort clear and diffuse finishes. Also available in white and black painted finishes.

Quality of light

- Consult factory for RAL finishes
- Color consistency: 3 SDCM
- 80 CRI minimum

Construction (New Construction)

- Galvanized stamped steal for dry / plaster ceilings.
- Pre-installed telescoping mounting bars (13"-24")
- Frame accommodates C- channel, black iron, and 3/4" EMT for mounting distances greater than 24" between joists.
- Manufactured from 20 gage galvanized steel construction with rolled edge aperture to guide cutting tools for perfect hole cutting.

Max ceiling thickness is 2" (51 mm). Including PoE frame 4.88" (124 mm).

Patented install Mounting frame

- Pre-installed mounting bars allow for fast and tool-less install into T-grid & hat channel ceilings
- Close-cut aperture design eliminates an undesired gap between ceiling material and reflector.
- Simple plug-and-play connection between frame and light engine from below the ceiling allows for:
  - Easy upgrades
  - Technology changes
  - Repairs and troubleshooting

Dimming

- Advance 0-10V 1% dimming
- Lutron Hi-lume EcoSystem H Series 1% dimming
- EldoLED ECOdrive Dali 1% dimming
- EldoLED SOLOdrive 0-10V 0.1% dimming
- EldoLED DMX POWERdrive

Light engine

Quick connect power pack allow for easy installation and replacement from below ceiling with no need for additional wiring. This allows for:

- Frame and ceiling installation to be performed while still finalizing details such as lumen packages, CCT and control type.
- Easy replacement of electronics at end of life with minimal wasted material and labor required.
- Ease and upgradability of technology.
- Lumen Maintenance: L80 at 60,000 hours.
- 347V light engines are 0-10v dimming only and include dedicated 347V driver for use with universal 120/277/347V (U) frames. For 347V and non-0-10v dimming, order (U) light engine and 347V (3) frame (includes step down transformer).

Emergency

Bodine BSL6 6W battery pack with self-test/ diagnostic functionality. Factory or field mounted to frame.

- For trim with integral emergency test switch, order light engine with IEM6 option (ex: P6RDL20835CDZ10UIEM6). DL or SL styles only.
- For remote ceiling mounted test switch, order standard light engine (ex: P6RDL20835CDZ10U). Optional accessory ceiling mounting plate available (CAEM6TSCP) for remote mounted test switch.
- Refer to Calculite-LyteProfile-EasyLyte Emergency Battery Pack specification sheet for more details.

Retrofit

- Easily updates legacy LyteProfile LED downlights to the latest technology. Includes light engine, trim, and driver mounted on cover plate that mounts to previous generations of LyteProfile LED luminaires. Order with R option code at end of light engine/trim catalog number.

Power over Ethernet

Powered via Philips PoE lighting controller: complies with FCC rules per Title 47 part 15 (Class A) for EMI / RFI (conducted & radiated). PoE lighting controller accessible from below ceiling.

Options and Accessories

Sloped ceilings: Compatible with sloped ceiling adapters (see SCA spec sheet).

Field Installed Emergency: Refer to Calculite-LyteProfile-EasyLyte Emergency Battery Pack specification sheet for more details.

CAEM6: Field install EM6 kit with Bodine BSL6 6W battery pack with self-test/self-diagnostic, mounts to new construction frames. Includes remote ceiling plate for test switch. To mount test switch to trim for new construction frame, order light engine with IEM6 option code (e.g. P6RDL20835CDZ10UIEM6).

CAEM6TSCP: Ceiling cover plate for remote mounted EM6 test switch. 1/2" (25mm) hole, 4 3/8" (109mm) x 2 3/4" (69mm) rectangular. Includes two mounting screws.

ENERGY STAR® exceptions

- 500lm configurations
- Black finishes
- PoE drivers

Labels and Listings

- cULus listed for wet locations
- CCEA (frames with *LC suffix)
- ENERGY STAR® certified
- RoHS certified

Warranty

5 year limited warranty

Visit Signify.com/warranties for more information on Signify's standard 5-year limited warranty on complete luminaire systems.

Finishes

Specular clear

Most specular and therefore most efficient finish, delivers maximum photometric performance but can produce a mirror image effect of the interior space.

Comfort clear

Semi-specular finish that softens the light at the source of the reflector and creates a subtle, even luminance from the reflector cone.

Comfort clear diffuse

Slightly diffuse clear finish, which eliminates iridescence and reduces the mirror image effect inherent with a specular finish.

White

Brightest aperture when illuminated and provides the smoothest transition to most ceilings when off (white is only available with a white flange).

Black

Specular finish that provides the lowest aperture brightness possible and reduces source identification in a ceiling significantly (black is only available with a black flange).

P6R LyteProfile 6"

Round Downlight & Lensed Wall Wash

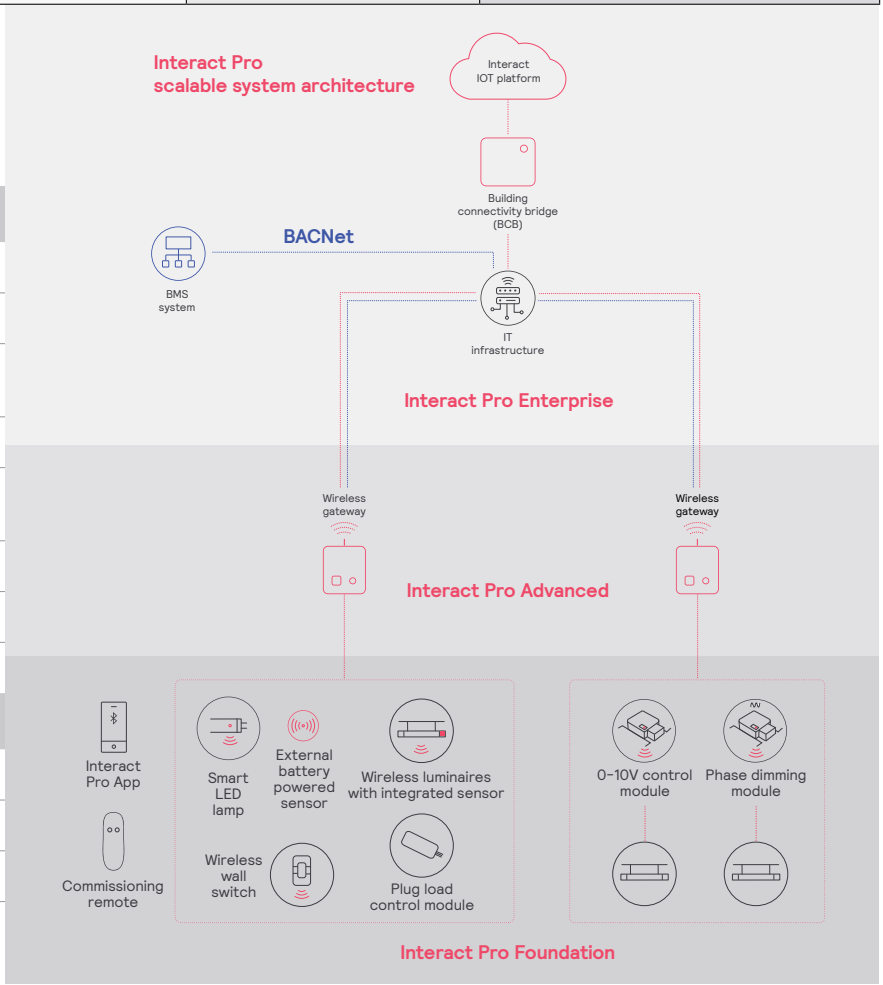
interact

	Interact Pro scalable system		
	Foundation	Advanced	Enterprise
Dimming, grouping, and zoning	✓	✓	✓
Bluetooth and ZigBee enabled	✓	✓	✓
Motion sensing and daylight harvesting	✓	✓	✓
Integration with 0–10V and phase dimming fixtures	✓	✓	✓
Code compliance	✓	✓	✓
Granular dimming and dwell time	✓	✓	✓
Energy reporting and monitoring		✓	✓
Scheduling		✓	✓
Demand response		✓	✓
BMS integration (BACnet)			✓
Floor plan visualization			✓
IoT sensors for wellness			✓
IoT Apps for productivity			✓

Currently supported maximum system size

To be able to design the lighting system correctly for the customer, it is important to know the prime characteristics of the system, its possibilities and limitations.

System level	
Total number of gateways	Unlimited
Total number of devices	200 per network
• luminaires with integrated sensors	150
• smart TLEDS	150
Total number of ZGP devices (sensors and switches)	50
• sensors	30
• switches	50
• zones and groups	64
Group level	
Recommended number of lights	40 (recommended 25)
Number of ZGP devices	5
Number of scenes	16



P6R LyteProfile 6"

Round Downlight & Lensed Wall Wash

Wireless Controls Options

Interact Pro scalable sensor (System Bridge Accessory with -CS option):

- CS is a connected sensor with integral occupancy and daylight sensing and supports wireless mesh connectivity.
- The sensor works in the Foundation mode (similar to SpaceWise) when configured without a gateway or in an Interact Pro Advanced or Enterprise mode if a compatible gateway is used.
- Interact Pro includes an App, a portal and a broad portfolio of wireless luminaires, lamps and retrofit kits all working on the same system.
- Startup is implemented via Interact Pro App (Android or iPhone) & BlueTooth connectivity. The App provides flexibility to choose between a gateway or non gateway mode for setup.
- Setup with the gateway requires wired internet access to the gateway. It is possible to add a gateway at a later point.
- Prepare project configuration steps remotely and use IRT9015 remote onsite to identify and group devices together.
- Compatible with:
  - UID8451/10 wireless dimmer switch
  - SWS200 wireless scene switch
  - Battery powered IP42 presence sensor OCC sensor IA CM WH 10/1
  - Battery powered IP42 presence & daylight sensor OCC-DL sensor IA CM IP42 WH
  - Battery powered IP65 presence sensor OCC sensor IA CM IP65 WH
  - Battery powered IP65 presence & daylight sensor OCC-DL sensor IA CM IP65 WH
- For more information on Interact Pro visit: www.interact-lighting.com/interactproscalablesystem.

Interact Pro Enterprise (System Bridge Accessory with -SB option):

- A wireless IoT connected lighting solution for large enterprises that span across multiple floors, buildings and require multiple gateways.
- View all your projects under one dashboard and easily compare insights from multiple projects in one view.
- Compatible with UID8451/10 wireless dimmer switch, SWS200 wireless scene switch, wireless Occ sensor (OCC SENSOR IA CM IP42 WH 10/1) and wireless Day/Occ sensor (OCC MULTI SENSOR IA CM WH 10/1) and wireless Occupancy or Daylight & Occupancy sensors available.
- Use Interact software and insights to increase building efficiency, achieve building wide integration and optimize space through occupancy analytics.
- SB option in addition to occupancy and daylight sensing supports advanced IoT capabilities such as people estimation analysis, desk level temperature & humidity sensing, noise classification, and BLE beacon.
- Requires compatible Gateway and internet connectivity for commissioning.
- For more information, visit: www.interact-lighting.com/office or www.usa.lighting.philips.com/systems/system-areas/offices.

Emergency Options (ER100) (System Bridge Accessory with -ER100 option):

- Power Sensing (Factory default) – Recommended UL924 option requires unswitched power sense line, absence of voltage on the normal circuit triggers luminaire to 100% output
- Power Interruption Detection (Field option) – Detects AC power interruption >30ms triggers 90 minute emergency mode with luminaire at 100% output

Radio only sensor (RADIO):

- Integral RADIO only sensor simply enables wireless mesh connectivity to the luminaire without any occupancy or daylight sensing.
- Ideal for applications where sensing functionality is managed by other Interact devices and the luminaire only needs to have wireless connectivity.

Wired Controls Options

Interact Office Wired (PoE):

- PoE based IoT connected lighting solution for large enterprises that span across multiple floors, buildings and require multiple gateways.
- Use Interact Office software and insights to increase building efficiency, achieve building wide integration and optimize space through occupancy analytics.
- Supports advanced IoT Apps on Personal Control, Space Management, wayfinding, room/desk reservation and offers open APIs for light control and data exchange.
- PoE lighting controller is accessible from below.
- Integral sensor option for occupancy sensing (PIR) and/or daylight harvesting available for additional energy savings.
- Optional integral emergency controller and battery pack provides 600lm nominal output.
- Test switch and indicator light mounted on side of chassis on one end.
- Emergency battery has a 3 month pre-installed shelf life, and must be stored and installed in environments of 20C to 30C (-4F to 86F) ambient, and 45-85% relative humidity.
- For more information on Interact Office Wired, visit: www.interact-lighting.com/office or www.usa.lighting.philips.com/systems/system-areas/offices.

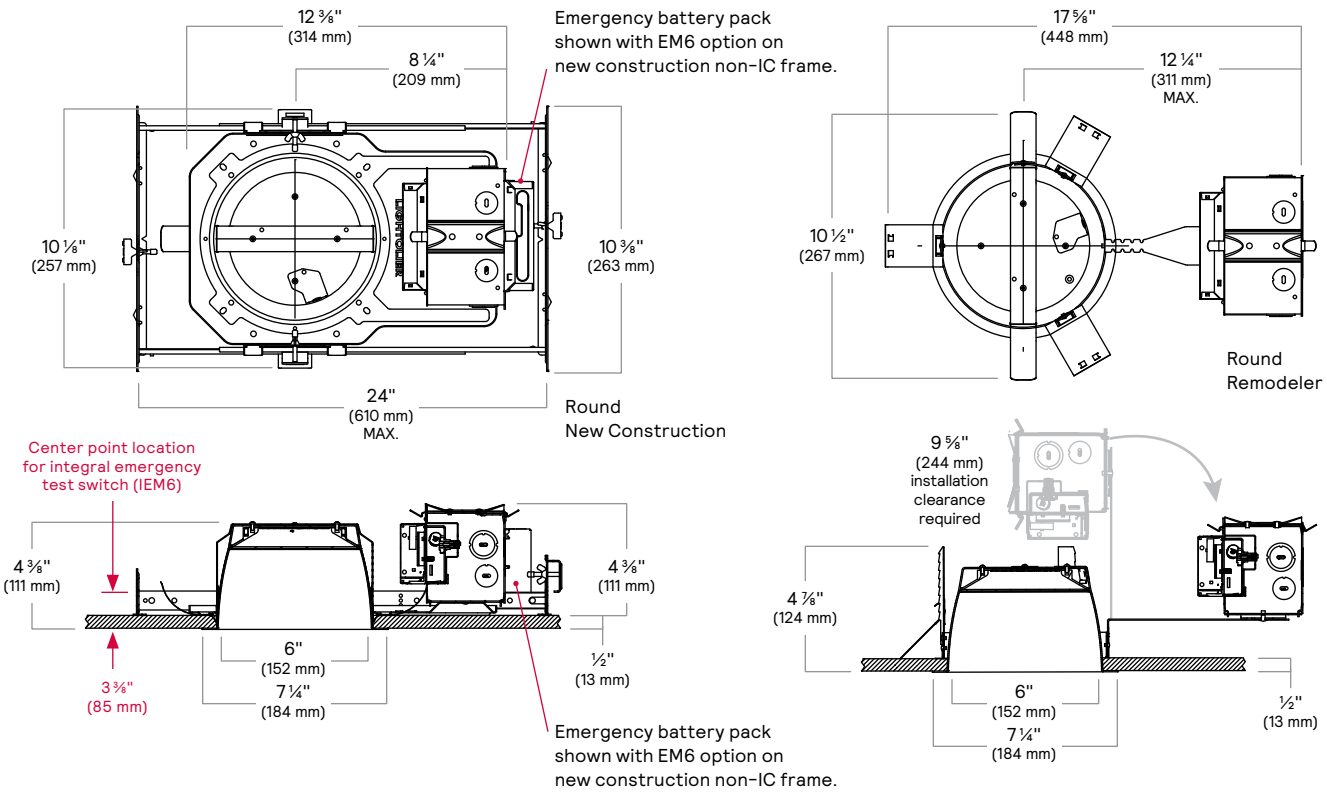
Interact Office Wired (PoE), Static White:

- A wireless IoT connected lighting solution for large enterprises that span across multiple floors, buildings and require multiple gateways.
- View all your projects under one dashboard and easily compare insights from multiple projects in one view.
- Compatible Zigbee Green Power wall dimmer and wireless Occupancy or Daylight & Occupancy sensors available.
- Use Interact Office software and insights to increase building efficiency, achieve building wide integration and optimize space through occupancy analytics.
- Supports advanced IoT Apps on wayfinding, room/desk reservation and offers open APIs
- Requires compatible Interact Office Gateway and internet connectivity for commissioning.
- For more information on Interact Office Wireless, visit: www.interact-lighting.com/office or www.usa.lighting.philips.com/systems/system-areas/offices.

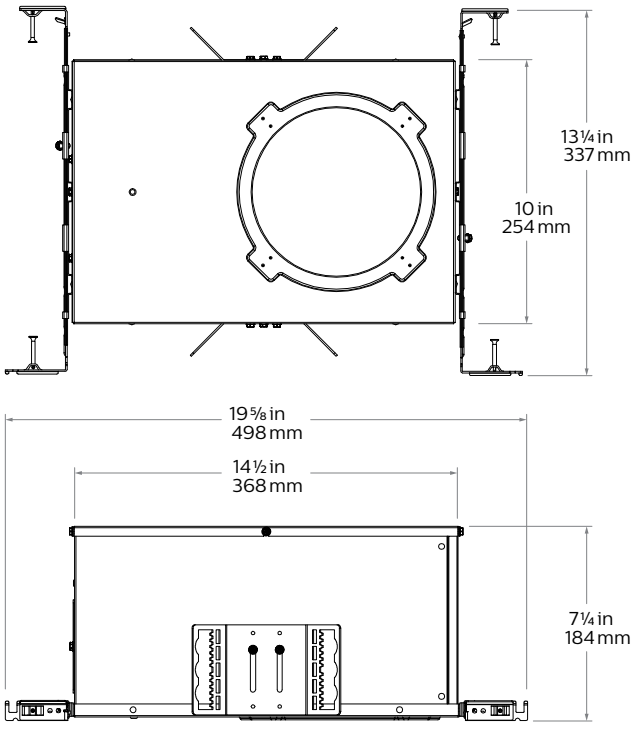
P6R LyteProfile 6"

Round Downlight & Lensed Wall Wash

Dimensions



AirSeal (A)



Electrical

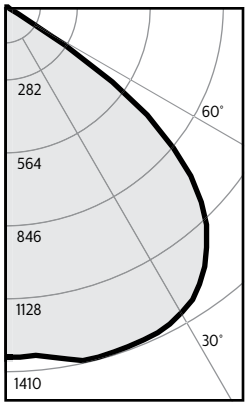
Product	Input Volts	Input Frequency	Input Current (A)	Input Power (W)
P6*10*Z10U/3	120	50/60Hz	0.083	10
	277		0.038	10
P6*15*Z10U/3	120	50/60Hz	0.125	15
	277		0.061	15
P6*20*Z10U/3	120	50/60Hz	0.17	21
	277		0.078	21
P6*25*Z10U/3	120	50/60Hz	0.21	25
	277		0.096	26
P6*30*Z10U/3	120	50/60Hz	0.27	32
	277		0.12	33
P6*35*Z10U/3	120	50/60Hz	0.32	38
	277		0.14	37
P6*10*LU	120	50/60Hz	0.093	10
	277		0.046	10
P6*15*LU	120	50/60Hz	0.13	15
	277		0.07	15
P6*20*LU	120	50/60Hz	0.175	20
	277		0.085	21
P6*25*LU	120	50/60Hz	0.21	25
	277		0.099	25
P6*30*LU	120	50/60Hz	0.274	31
	277		0.122	31
P6*35*LU	120	50/60Hz	0.32	36
	277		0.14	37

P6R LyteProfile 6"

Round Downlight & Lensed Wall Wash

P6RDL30835CLZ10U • 30W LED, 80CRI, 3500K

Candela Curves



Angle	Mean CP	Lumens
0	1361	
5	1362	131
10	1391	
15	1408	398
20	1403	
25	1397	644
30	1372	
35	1316	820
40	1218	
45	1073	816
50	852	
55	506	428
60	60	
65	12	17
70	6	
75	3	4
80	2	
85	1	1
90	0	

Report[1]: 1552GFR

Output lumens:	3258 lms	Efficacy:	107.5 lm/w
Spacing Criterion:	1.5	CCT[3]:	3500K
Beam Angle:	101°	CRI:	80 min
Input Watts[2]:	30.3 W		

Single unit data

Height to Lighted Plane	Initial center beam foot-candles	Beam dia. (ft)*
5'	54	7.5'
6'	38	9.0'
7'	28	10.5'
8'	21	12.0'
9'	17	13.5'

* Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data - RCR 2

Spacing on center	Initial center beam foot-candles	Watts per sq.ft.
5'	141.2	1.34
6'	92.7	0.88
7'	66.2	0.63
8'	55.2	0.52
9'	44.1	0.42

38'x38'x10' Room, Workplane 2.5' above floor, 80/50/20% Reflectances

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method - Effective floor reflectance = 20%										
0	119	119	119	119	116	116	111	111	106	106	100
1	112	108	105	102	106	101	102	98	98	95	90
2	104	98	93	88	96	87	93	85	90	83	80
3	97	88	82	77	87	76	84	75	81	73	70
4	90	80	72	67	78	66	76	66	74	65	62
5	83	72	64	59	71	58	69	58	67	57	55
6	77	65	58	52	65	52	63	51	61	51	49
7	72	60	52	46	59	46	57	46	56	46	44
8	67	55	47	42	54	41	53	41	51	41	39
9	62	50	43	38	50	37	48	37	47	37	35
10	58	46	39	34	46	34	45	34	44	34	32

Room Cavity Ratio

Zonal lumens & percentages

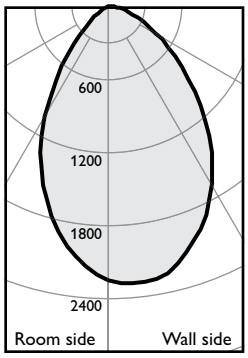
Zone	Lumens	%Luminaire
0-30	1173.33	36.0%
0-40	1993.21	61.2%
0-60	3236.94	99.3%
0-90	3258.47	100.0%

CRI and CCT adjustment factors

90 CRI 2700K	= 84%
80 CRI 2700K	= 100%
80 CRI 3000K	= 100%
80 CRI 3500K	= 105%
80 CRI 4000K	= 109%

P6RLW30835CLPZ10U • 30W LED, 80CRI, 3500K

Candela Curve



Report[1]: 1560GFR

Efficacy:	104.6 lm/w
Output lumens:	3177 lms
Input watts[2]:	30.3 W
CRI:	80 min
CCT[3]:	3500K

Multiple unit data
Footcandles on wall

Distance from ceiling in feet	2' from wall, 3' on ctr.		
1	74	48	74
2	111	91	111
3	96	90	96
4	74	72	74
5	56	56	56
6	43	44	43
7	35	35	35
8	29	29	29
9	24	24	24
10	21	21	21
12	17	17	17
14	15	15	15

Multiple unit data
Footcandles on wall

Distance from ceiling in feet	3' from wall, 3' on ctr.		
1	28	25	28
2	56	54	56
3	69	67	69
4	67	67	67
5	59	59	59
6	50	50	50
7	42	42	42
8	36	36	36
9	31	31	31
10	27	27	27
12	21	21	21
14	18	18	18

Multiple unit data
Footcandles on wall

Distance from ceiling in feet	3' from wall, 4' on ctr.		
1	24	18	24
2	46	38	46
3	55	49	55
4	52	49	52
5	46	45	46
6	38	38	38
7	33	33	33
8	28	28	28
9	24	24	24
10	21	21	21
12	17	17	17
14	14	15	14

1. Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.
2. Wattage: controlled to within 5%
3. Correlated Color Temperature: within specs as defined in ANSI_NEMA_ANSLG C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.

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Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALR-030-SI-A1

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Recessed Fixture
Item Type	Recessed Downlight
Description	6" Aperture Emergency Downlight
Manufacturer	Signify/Lightolier
Model	LyteProfile 6RN / P6R DL 20 930 CC P Z10 IEM6
Dimensions	10.5" W x 12.4"L x 7.3"H
Finish	Clear
CSI #	265100 - Interior Lighting
Omniclass #	22 - 265100 - Interior Lighting
Lamp Type	LED
Trim	Clear Matching
Lamp Kelvin	3000K
Reflector	Clear
Voltage	120-277V
Mount	Recessed
On Dimming System	No
Delivered Lumens (LED) or Mean Lumens (Non-LED)	1500
Finish	Clear
Lamp CRI	80+
Lead Time	In stock or 4 weeks
Warranty	Five year limited warranty
Notes	Efficacy: 107.5 Lamp Life/Fixture Life: 50,000 hours Fixture Input (Max. Watts): 15

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

ALTERNATE MANUFACTURER 2

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 3

AREAS

Stairs

ALTERNATE MANUFACTURER 4	

LIGHTOLIER
by signify

Downlighting

LyteProfile

P6R 6" Round Downlight & Wall Wash

ALR-030-SI-A1

Project:
Location:
Cat.No:
Type:
Qty:
Notes:

LyteProfile downlights and wall washers provide a perfect balance of functionality with glare control. The robust and versatile UniFrame frame-in kit makes changes and updates easy to manage and install. Ideal for use in a variety of applications including open office, institutional, healthcare, and retail.

Standard luminaire = Frame + Engine/Trim + Accessories (optional)

Buy American Act of 1933 (BAA)** Compliant luminaire* = Frame-BAC + Engine/Trim-BAC

* BAA compliance requires that BAC option be selected for each of frame and engine/trim. Frame and engine/trim will be ordered/shipped together (ex: 4RN-BAC-Z4RDL20835WOCDZ10U-BAC). Accessories (optional) are not currently BAA-compliant.

Frame

Standard example: 6RN | BAC example: 6RN-BAC

Series	Aperture	Installation	Options	
6	R	N		
6 Uniframe 6-inch Non-IC	**R** Round	**N** New construction (Non-IC)	**–** Universal 120/277/347V[1] **LC** Chicago Plenum **EM6** Emergency, 6W Self-Test/Self-Diagnostic (not available for BAC)[2]	**3** 347V (for non-0-10v configurations) **RADIO** Integral Interact Pro RF sensor (120/277/347V) (enables wireless connected lighting control)[3] **BAC** Meets the requirements of the Buy American Act of 1933 (BAA)**
		R Remodeler (Non-IC)	**–** Universal 120/277/347V[1]	**3** 347V (for non-Z10 configurations)
		A AirSeal (IC)	**–** Universal 120/277/347V[1]	**BAC** Meets the requirements of the Buy American Act of 1933 (BAA)**

Light Engine / Trim

Standard example: P6RDL20835CDZ10U | BAC example: P6RDL20835CDZ10U-BAC

Series	Style	Lumen	CRI/CCT	Reflector	Flange	Dimming	Voltage	Options
P6R	DL	20	830	CC		Z10		IEM6
P6R LyteProfile 6-inch Round downlight	**DL** Downlight **LW** Lensed Wall Wash **SL** Shower light[4] (non-conductive lens)	**10** 1000lm **15** 1500lm **20** 2000lm **25** 2500lm **30** 3000lm **35** 3500lm	**827** 80CRI / 2700K **830** 80CRI / 3000K **835** 80CRI / 3500K **840** 80CRI / 4000K **850** 80CRI / 5000K	**CL** Specular clear **CC** Comfort clear **CD** Comfort clear diffuse	**–** White (matte) **B** Black (matte) **P** Polished (matches aperture)	**Z10** 0-10V 1%	**U** 120/277V **3** 347V[5,6] (0-10v only)	**–** None **R** Retrofit (not compatible with IEM6) **IEM6** Trim mounted EM test switch[8] **BAC** Meets the requirements of the Buy American Act of 1933 (BAA)**
				WH White (matte) **BK** Black (matte)	**–** White (matte) **B** Black (matte)	**L** Lutron LDE1 EcoSystem (fade-to-black)	**U** 120/277/347V	
				WHAMF White (gloss antimicrobial)	**–** White (gloss)	**P** Power over Ethernet (PoE)	**E** Ethernet 48V DC	
						Only compatible with 1000 (10) to 2500 (25) lumen configurations		

Accessories (Not currently BAA-compliant - learn more on page 2)

SBA	Interact Ready System Bridge Accessory with integral occupancy and daylight sensor (compatible with all 0-10V options, see SBA spec sheet)[7]
CAEM6	Field installable Bodine BSL6 6W battery pack with self-test/self-diagnostic for use with new construction frames, 120-277V
7925	6" sloped ceiling adapter (refer to SCA spec sheet for slope options)
AMS	ActiLume multi-sensor (optional accessory for PoE configurations)

1. Universal 120-347V is for 0-10v (Z10) dimming configurations only. For 347V non-Z10 dimming, order 347V (3) frame with (U) light engine/trim.
2. Emergency (EM6) frame is compatible with reflector mounted test switch when light engine is ordered with IEM6 option code (not compatible with 347V or Power over Ethernet configurations).
3. Interact Pro (RADIO) requires above ceiling access.
4. Shower light (SL) in only available with White (WH) reflector finish.
5. Specify standard UNV frame for use with 347V light engines
6. The 347V light engine voltage option is only available with Z10 dimming option. For other dimming protocols order UNV (U) light engine and 347V (3) frame.
7. Requires IRT9015 IR remote and Interact Pro App for commissioning.
8. IEM6 option available on DL style only.

** Failure to properly select the "BAC" suffix could result in you receiving product that is not BAA compliant product with no recourse for an RMA or refund. This BAC designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies.

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P6R LyteProfile 6"

Round Downlight & Lensed Wall Wash

Features

Optics

- Provides a 60° cutoff (physical and reflected)
- Wide beam distribution for general illumination
- Spun and anodized reflectors available in specular (clear), semi-specular (comfort clear and diffuse finishes. Also available in white and black painted finishes.

Quality of light

- Consult factory for RAL finishes
- Color consistency: 3 SDCM
- 80 CRI minimum

Construction (New Construction)

- Galvanized stamped steal for dry / plaster ceilings.
- Pre-installed telescoping mounting bars (13"-24")
- Frame accommodates C- channel, black iron, and 3/4" EMT for mounting distances greater than 24" between joists.
- Manufactured from 20 gage galvanized steel construction with rolled edge aperture to guide cutting tools for perfect hole cutting.

Max ceiling thickness is 2" (51 mm). Including PoE frame 4.88" (124 mm).

Patented install Mounting frame

- Pre-installed mounting bars allow for fast and tool-less install into T-grid & hat channel ceilings
- Close-cut aperture design eliminates an undesired gap between ceiling material and reflector.
- Simple plug-and-play connection between frame and light engine from below the ceiling allows for:
  - Easy upgrades
  - Technology changes
  - Repairs and troubleshooting

Dimming

- Advance 0-10V 1% dimming
- Lutron Hi-lume EcoSystem H Series 1% dimming
- EldoLED ECOdrive Dali 1% dimming
- EldoLED SOLOdrive 0-10V 0.1% dimming
- EldoLED DMX POWERdrive

Light engine

Quick connect power pack allow for easy installation and replacement from below ceiling with no need for additional wiring. This allows for:

- Frame and ceiling installation to be performed while still finalizing details such as lumen packages, CCT and control type.
- Easy replacement of electronics at end of life with minimal wasted material and labor required.
- Ease and upgradability of technology.
- Lumen Maintenance: L80 at 60,000 hours.
- 347V light engines are 0-10v dimming only and include dedicated 347V driver for use with universal 120/277/347V (U) frames. For 347V and non-0-10v dimming, order (U) light engine and 347V (3) frame (includes step down transformer).

Emergency

Bodine BSL6 6W battery pack with self-test/ diagnostic functionality. Factory or field mounted to frame.

- For trim with integral emergency test switch, order light engine with IEM6 option (ex: P6RDL20835CDZ10UIEM6). DL or SL styles only.
- For remote ceiling mounted test switch, order standard light engine (ex: P6RDL20835CDZ10U). Optional accessory ceiling mounting plate available (CAEM6TSCP) for remote mounted test switch.
- Refer to Calculite-LyteProfile-EasyLyte Emergency Battery Pack specification sheet for more details.

Retrofit

- Easily updates legacy LyteProfile LED downlights to the latest technology. Includes light engine, trim, and driver mounted on cover plate that mounts to previous generations of LyteProfile LED luminaires. Order with R option code at end of light engine/trim catalog number.

Power over Ethernet

Powered via Philips PoE lighting controller: complies with FCC rules per Title 47 part 15 (Class A) for EMI / RFI (conducted & radiated). PoE lighting controller accessible from below ceiling.

Options and Accessories

Sloped ceilings: Compatible with sloped ceiling adapters (see SCA spec sheet).

Field Installed Emergency: Refer to Calculite-LyteProfile-EasyLyte Emergency Battery Pack specification sheet for more details.

CAEM6: Field install EM6 kit with Bodine BSL6 6W battery pack with self-test/self-diagnostic, mounts to new construction frames. Includes remote ceiling plate for test switch. To mount test switch to trim for new construction frame, order light engine with IEM6 option code (e.g. P6RDL20835CDZ10UIEM6).

CAEM6TSCP: Ceiling cover plate for remote mounted EM6 test switch. 1/2" (25mm) hole, 4 3/8" (109mm) x 2 3/4" (69mm) rectangular. Includes two mounting screws.

ENERGY STAR® exceptions

- 500lm configurations
- Black finishes
- PoE drivers

Labels and Listings

- cULus listed for wet locations
- CCEA (frames with *LC suffix)
- ENERGY STAR® certified
- RoHS certified

Warranty

5 year limited warranty

Visit Signify.com/warranties for more information on Signify's standard 5-year limited warranty on complete luminaire systems.

Finishes

Specular clear

Most specular and therefore most efficient finish, delivers maximum photometric performance but can produce a mirror image effect of the interior space.

Comfort clear

Semi-specular finish that softens the light at the source of the reflector and creates a subtle, even luminance from the reflector cone.

Comfort clear diffuse

Slightly diffuse clear finish, which eliminates iridescence and reduces the mirror image effect inherent with a specular finish.

White

Brightest aperture when illuminated and provides the smoothest transition to most ceilings when off (white is only available with a white flange).

Black

Specular finish that provides the lowest aperture brightness possible and reduces source identification in a ceiling significantly (black is only available with a black flange).

P6R LyteProfile 6"

Round Downlight & Lensed Wall Wash

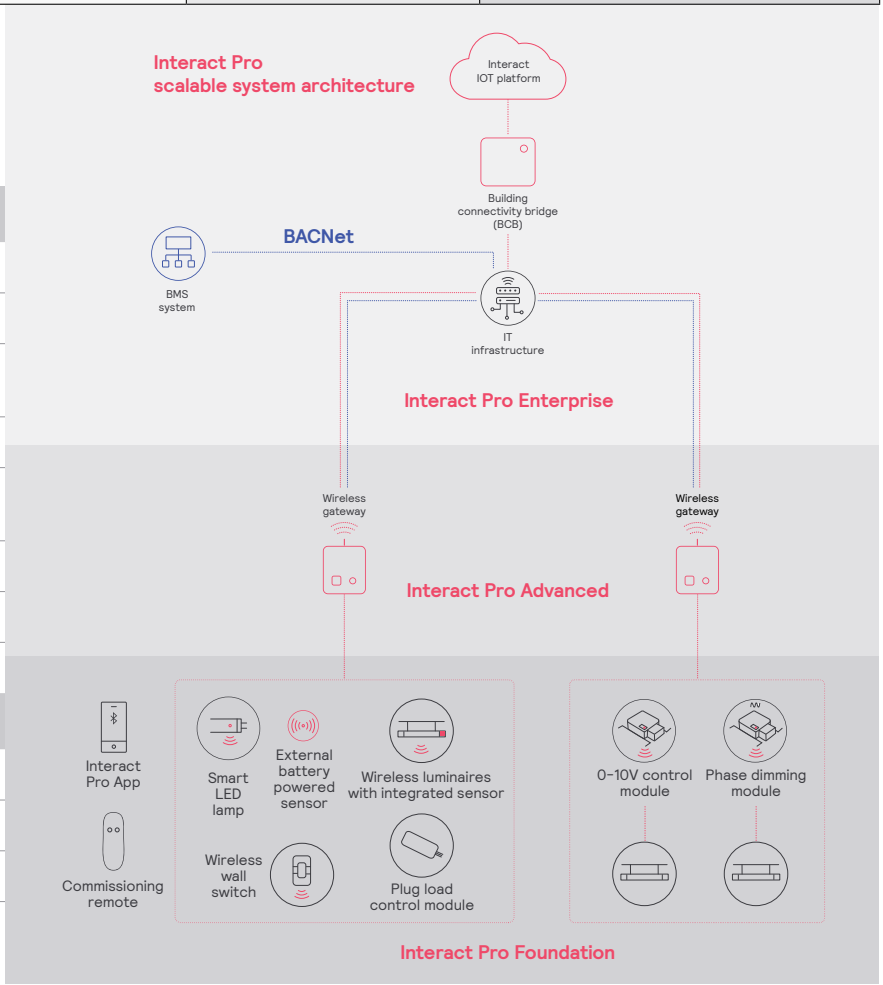
interact

	Interact Pro scalable system		
	Foundation	Advanced	Enterprise
Dimming, grouping, and zoning	✓	✓	✓
Bluetooth and ZigBee enabled	✓	✓	✓
Motion sensing and daylight harvesting	✓	✓	✓
Integration with 0–10V and phase dimming fixtures	✓	✓	✓
Code compliance	✓	✓	✓
Granular dimming and dwell time	✓	✓	✓
Energy reporting and monitoring		✓	✓
Scheduling		✓	✓
Demand response		✓	✓
BMS integration (BACnet)			✓
Floor plan visualization			✓
IoT sensors for wellness			✓
IoT Apps for productivity			✓

Currently supported maximum system size

To be able to design the lighting system correctly for the customer, it is important to know the prime characteristics of the system, its possibilities and limitations.

System level	
Total number of gateways	Unlimited
Total number of devices	200 per network
• luminaires with integrated sensors	150
• smart TLEDS	150
Total number of ZGP devices (sensors and switches)	50
• sensors	30
• switches	50
• zones and groups	64
Group level	
Recommended number of lights	40 (recommended 25)
Number of ZGP devices	5
Number of scenes	16



P6R LyteProfile 6"

Round Downlight & Lensed Wall Wash

Wireless Controls Options

Interact Pro scalable sensor (System Bridge Accessory with -CS option):

- CS is a connected sensor with integral occupancy and daylight sensing and supports wireless mesh connectivity.
- The sensor works in the Foundation mode (similar to SpaceWise) when configured without a gateway or in an Interact Pro Advanced or Enterprise mode if a compatible gateway is used.
- Interact Pro includes an App, a portal and a broad portfolio of wireless luminaires, lamps and retrofit kits all working on the same system.
- Startup is implemented via Interact Pro App (Android or iPhone) & BlueTooth connectivity. The App provides flexibility to choose between a gateway or non gateway mode for setup.
- Setup with the gateway requires wired internet access to the gateway. It is possible to add a gateway at a later point.
- Prepare project configuration steps remotely and use IRT9015 remote onsite to identify and group devices together.
- Compatible with:
  - UID8451/10 wireless dimmer switch
  - SWS200 wireless scene switch
  - Battery powered IP42 presence sensor OCC sensor IA CM WH 10/1
  - Battery powered IP42 presence & daylight sensor OCC-DL sensor IA CM IP42 WH
  - Battery powered IP65 presence sensor OCC sensor IA CM IP65 WH
  - Battery powered IP65 presence & daylight sensor OCC-DL sensor IA CM IP65 WH
- For more information on Interact Pro visit: www.interact-lighting.com/interactproscalablesystem.

Interact Pro Enterprise (System Bridge Accessory with -SB option):

- A wireless IoT connected lighting solution for large enterprises that span across multiple floors, buildings and require multiple gateways.
- View all your projects under one dashboard and easily compare insights from multiple projects in one view.
- Compatible with UID8451/10 wireless dimmer switch, SWS200 wireless scene switch, wireless Occ sensor (OCC SENSOR IA CM IP42 WH 10/1) and wireless Day/Occ sensor (OCC MULTI SENSOR IA CM WH 10/1) and wireless Occupancy or Daylight & Occupancy sensors available.
- Use Interact software and insights to increase building efficiency, achieve building wide integration and optimize space through occupancy analytics.
- SB option in addition to occupancy and daylight sensing supports advanced IoT capabilities such as people estimation analysis, desk level temperature & humidity sensing, noise classification, and BLE beacon.
- Requires compatible Gateway and internet connectivity for commissioning.
- For more information, visit: www.interact-lighting.com/office or www.usa.lighting.philips.com/systems/system-areas/offices.

Emergency Options (ER100) (System Bridge Accessory with -ER100 option):

- Power Sensing (Factory default) – Recommended UL924 option requires unswitched power sense line, absence of voltage on the normal circuit triggers luminaire to 100% output
- Power Interruption Detection (Field option) – Detects AC power interruption >30ms triggers 90 minute emergency mode with luminaire at 100% output

Radio only sensor (RADIO):

- Integral RADIO only sensor simply enables wireless mesh connectivity to the luminaire without any occupancy or daylight sensing.
- Ideal for applications where sensing functionality is managed by other Interact devices and the luminaire only needs to have wireless connectivity.

Wired Controls Options

Interact Office Wired (PoE):

- PoE based IoT connected lighting solution for large enterprises that span across multiple floors, buildings and require multiple gateways.
- Use Interact Office software and insights to increase building efficiency, achieve building wide integration and optimize space through occupancy analytics.
- Supports advanced IoT Apps on Personal Control, Space Management, wayfinding, room/desk reservation and offers open APIs for light control and data exchange.
- PoE lighting controller is accessible from below.
- Integral sensor option for occupancy sensing (PIR) and/or daylight harvesting available for additional energy savings.
- Optional integral emergency controller and battery pack provides 600lm nominal output.
- Test switch and indicator light mounted on side of chassis on one end.
- Emergency battery has a 3 month pre-installed shelf life, and must be stored and installed in environments of 20C to 30C (-4F to 86F) ambient, and 45-85% relative humidity.
- For more information on Interact Office Wired, visit: www.interact-lighting.com/office or www.usa.lighting.philips.com/systems/system-areas/offices.

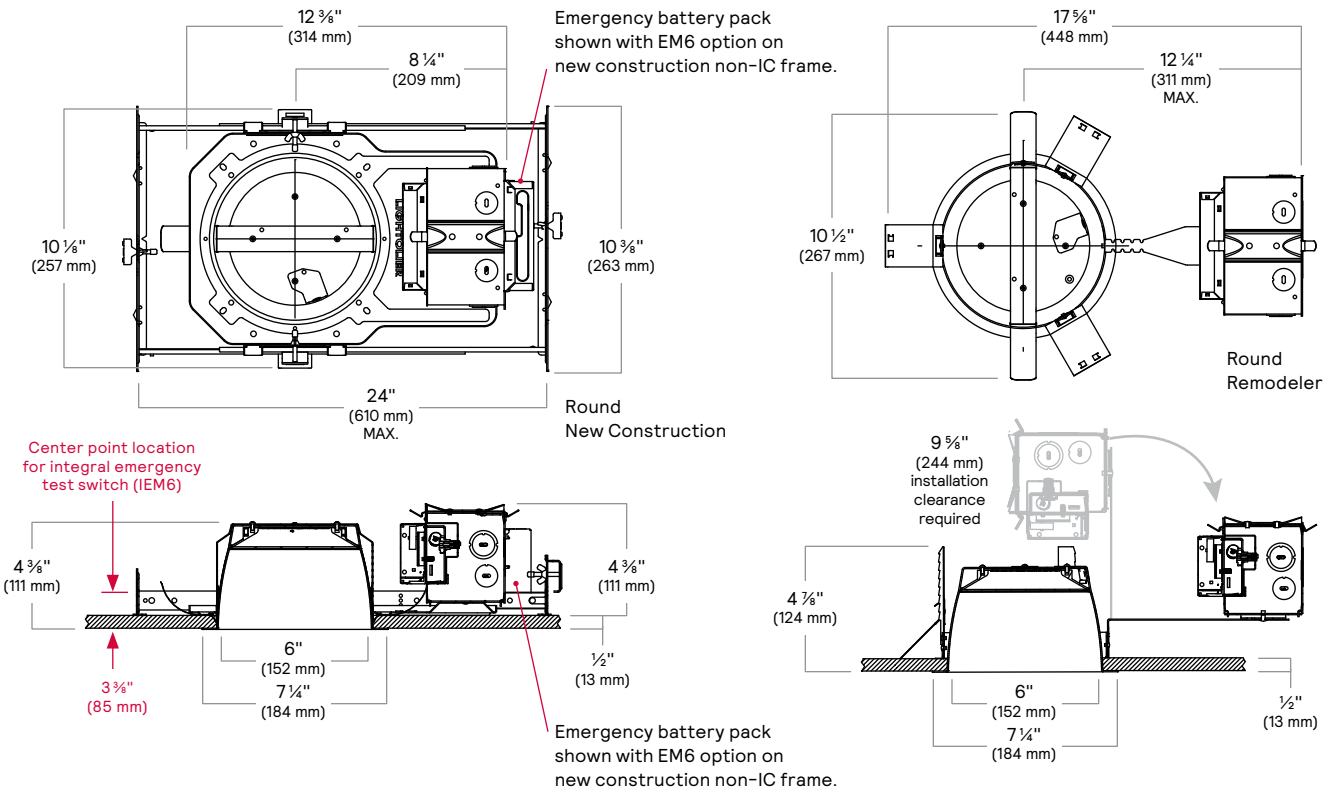
Interact Office Wired (PoE), Static White:

- A wireless IoT connected lighting solution for large enterprises that span across multiple floors, buildings and require multiple gateways.
- View all your projects under one dashboard and easily compare insights from multiple projects in one view.
- Compatible Zigbee Green Power wall dimmer and wireless Occupancy or Daylight & Occupancy sensors available.
- Use Interact Office software and insights to increase building efficiency, achieve building wide integration and optimize space through occupancy analytics.
- Supports advanced IoT Apps on wayfinding, room/desk reservation and offers open APIs
- Requires compatible Interact Office Gateway and internet connectivity for commissioning.
- For more information on Interact Office Wireless, visit: www.interact-lighting.com/office or www.usa.lighting.philips.com/systems/system-areas/offices.

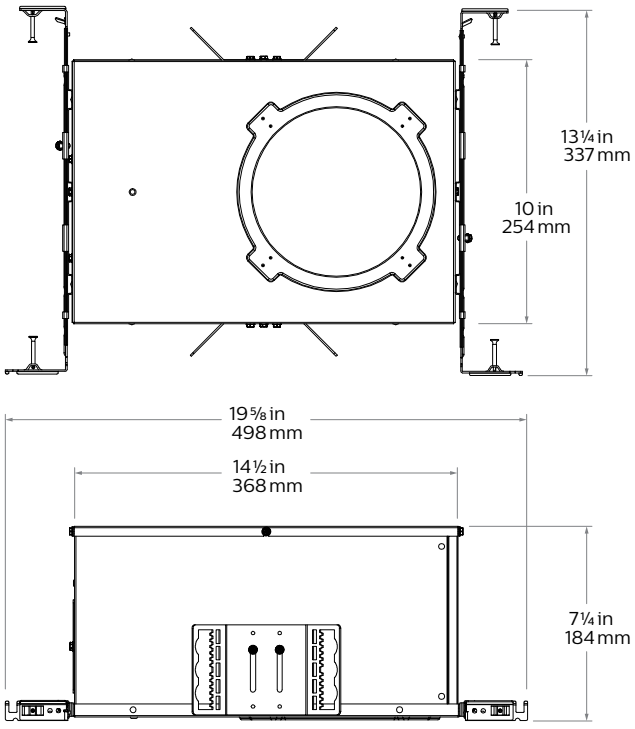
P6R LyteProfile 6"

Round Downlight & Lensed Wall Wash

Dimensions



AirSeal (A)



Electrical

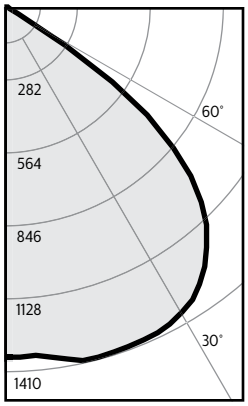
Product	Input Volts	Input Frequency	Input Current (A)	Input Power (W)
P6*10*Z10U/3	120	50/60Hz	0.083	10
	277		0.038	10
P6*15*Z10U/3	120	50/60Hz	0.125	15
	277		0.061	15
P6*20*Z10U/3	120	50/60Hz	0.17	21
	277		0.078	21
P6*25*Z10U/3	120	50/60Hz	0.21	25
	277		0.096	26
P6*30*Z10U/3	120	50/60Hz	0.27	32
	277		0.12	33
P6*35*Z10U/3	120	50/60Hz	0.32	38
	277		0.14	37
P6*10*LU	120	50/60Hz	0.093	10
	277		0.046	10
P6*15*LU	120	50/60Hz	0.13	15
	277		0.07	15
P6*20*LU	120	50/60Hz	0.175	20
	277		0.085	21
P6*25*LU	120	50/60Hz	0.21	25
	277		0.099	25
P6*30*LU	120	50/60Hz	0.274	31
	277		0.122	31
P6*35*LU	120	50/60Hz	0.32	36
	277		0.14	37

P6R LyteProfile 6"

Round Downlight & Lensed Wall Wash

P6RDL30835CLZ10U • 30W LED, 80CRI, 3500K

Candela Curves



Angle	Mean CP	Lumens
0	1361	
5	1362	131
10	1391	
15	1408	398
20	1403	
25	1397	644
30	1372	
35	1316	820
40	1218	
45	1073	816
50	852	
55	506	428
60	60	
65	12	17
70	6	
75	3	4
80	2	
85	1	1
90	0	

Report[1]: 1552GFR

Output lumens:	3258 lms	Efficacy:	107.5 lm/w
Spacing Criterion:	1.5	CCT[3]:	3500K
Beam Angle:	101°	CRI:	80 min
Input Watts[2]:	30.3 W		

Single unit data

Height to Lighted Plane	Initial center beam foot-candles	Beam dia. (ft)*
5'	54	7.5'
6'	38	9.0'
7'	28	10.5'
8'	21	12.0'
9'	17	13.5'

* Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data - RCR 2

Spacing on center	Initial center beam foot-candles	Watts per sq.ft.
5'	141.2	1.34
6'	92.7	0.88
7'	66.2	0.63
8'	55.2	0.52
9'	44.1	0.42

38'x38'x10' Room, Workplane 2.5' above floor, 80/50/20% Reflectances

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method - Effective floor reflectance = 20%										
0	119	119	119	119	116	116	111	111	106	106	100
1	112	108	105	102	106	101	102	98	98	95	90
2	104	98	93	88	96	87	93	85	90	83	80
3	97	88	82	77	87	76	84	75	81	73	70
4	90	80	72	67	78	66	76	66	74	65	62
5	83	72	64	59	71	58	69	58	67	57	55
6	77	65	58	52	65	52	63	51	61	51	49
7	72	60	52	46	59	46	57	46	56	46	44
8	67	55	47	42	54	41	53	41	51	41	39
9	62	50	43	38	50	37	48	37	47	37	35
10	58	46	39	34	46	34	45	34	44	34	32

Room Cavity Ratio

Zonal lumens & percentages

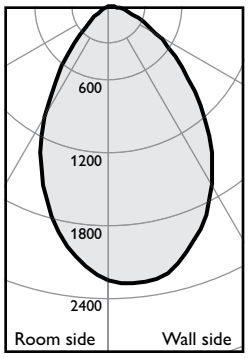
Zone	Lumens	%Luminaire
0-30	1173.33	36.0%
0-40	1993.21	61.2%
0-60	3236.94	99.3%
0-90	3258.47	100.0%

CRI and CCT adjustment factors

90 CRI 2700K	= 84%
80 CRI 2700K	= 100%
80 CRI 3000K	= 100%
80 CRI 3500K	= 105%
80 CRI 4000K	= 109%

P6RLW30835CLPZ10U • 30W LED, 80CRI, 3500K

Candela Curve



Report[1]: 1560GFR

Efficacy:	104.6 lm/w
Output lumens:	3177 lms
Input watts[2]:	30.3 W
CRI:	80 min
CCT[3]:	3500K

Multiple unit data
Footcandles on wall

Distance from ceiling in feet	2' from wall	3' on ctr.	
1	74	48	74
2	111	91	111
3	96	90	96
4	74	72	74
5	56	56	56
6	43	44	43
7	35	35	35
8	29	29	29
9	24	24	24
10	21	21	21
12	17	17	17
14	15	15	15

Multiple unit data
Footcandles on wall

Distance from ceiling in feet	3' from wall	3' on ctr.	
1	28	25	28
2	56	54	56
3	69	67	69
4	67	67	67
5	59	59	59
6	50	50	50
7	42	42	42
8	36	36	36
9	31	31	31
10	27	27	27
12	21	21	21
14	18	18	18

Multiple unit data
Footcandles on wall

Distance from ceiling in feet	3' from wall	4' on ctr.	
1	24	18	24
2	46	38	46
3	55	49	55
4	52	49	52
5	46	45	46
6	38	38	38
7	33	33	33
8	28	28	28
9	24	24	24
10	21	21	21
12	17	17	17
14	14	15	14

1. Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.
2. Wattage: controlled to within 5%
3. Correlated Color Temperature: within specs as defined in ANSI_NEMA_ANSLG C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.

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Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALR-030-SI-A2

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Surface Mount Fixture
Item Type	Surface Mount Downlight
Description	Downlight 7" Aperture - Surface Mount
Manufacturer	Signify/Lightolier
Model	SlimSurface LED S7R 9 30K 10
Dimensions	5/8"H x 7" W
Finish	White
CSI #	265100 - Interior Lighting
Omniclass #	22- 265100 - Interior Lighting
Lamp Type	LED
Trim	White
Lamp Kelvin	3000K
Voltage	120-277V
Mount	Surface Mount
On Dimming System	No
Delivered Lumens (LED) or Mean Lumens (Non-LED)	1081
Finish	White
Lens/Shade	Clear
Lamp CRI	90
Lead Time	In stock or 4 weeks
Warranty	Five year limited warranty
Notes	Efficacy: 80lpw Lamp Life/Fixture Life: 50,000 Hours Fixture Input (Max. Watts): 13.5

SPECIAL INSTRUCTIONS

Block and plank installations surface mount to Jbox. Use at ceilings 10' high and below.

MANUFACTURER

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

ALTERNATE MANUFACTURER 2

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

AREAS

Stairs

ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

LIGHTOLIER
by signify

Downlighting

SlimSurface LED

S5R, S7R & S10R Round 5", 7" and 10" Apertures

ALR-030-SI-A2

SlimSurface is a 5/8" thick LED surface mounted luminaire with the appearance of a recessed downlight. Easy to install into most standard j-boxes, the SlimSurface round apertures are available as a 5" 650lm, 7" 1000lm and 10" 2200lm fixture.

Project:
Location:
Cat.No:
Type:
Lamps: Qty:
Notes:

Ordering guide

example: S5R830K7AL

Series S7R	CRI 9	CCT 30K	Lumens 10	Finish	Dimming
S5R SlimSurface 5" Round	**8** 80 **9** 90[1]	**27K** 2700K **30K** 3000K **35K** 3500K **40K** 4000K	**7** 650lm	**—** White **AL** Aluminum **BK** Black	**blank** ELV / Triac (120V)
				W White **AL** Aluminum **BK** Black	**Z10U** 0-10V (120V-277V)
S7R SlimSurface 7" Round	**8** 80 **9** 90[1]	**27K** 2700K **30K** 3000K **35K** 3500K **40K** 4000K	**10** 1000lm	**—** White **AL** Aluminum **BK** Black	**blank** ELV / Triac (120V)
				W White **AL** Aluminum **BK** Black	**Z10U** 0-10V (120V-277V)
S10R SlimSurface 10" Round[2]	**8** 80 **9** 90[1]	**27K** 2700K **30K** 3000K **35K** 3500K **40K** 4000K	**22** 2200lm	**W** White **AL** Aluminum **BK** Black **MT** Metallic	**blank** ELV / Triac (120V) **Z10U** 0-10V (120V-277V)

1. Configurations using 90 CRI are only available with 2700K & 3000K CCT.
2. IMPORTANT: SlimSurface LED 10" round installs into 4-11/16" J-box (not wet location listed).

Features

1. **Flange:** One piece plastic flange. Injection molded white, applied aluminum or black.
2. **Lens:** High transmittance lens allowing for smooth, comfortable light pattern.
3. **Power supply:** Integral class 2 driver. Factory wired electronic LED driver (see Electrical section for specifications)
4. **LED Strip:** Utilizes LEDs.
5. Lifetime: Expected lifetime 50,000 hours and backed by a 5-year warranty*
6. **Compliance:** Non-conductive fixture for shower light application (not applicable to metal trim model).

Dimming

Intended for ELV/Triac (120V) or 0-10V dimming (120V-277V) based on the configuration. Min 90°C supply conductors.

Electrical

Electronic power supply: RoHS compliant. Class 2 power unit. Unit tolerates sustained open and short circuit output conditions without damage.

Labels

cULus listed. ENERGY STAR® certified. All models are damp location rated for walls or ceilings. The 5" & 7" are suitable for ceiling mount wet locations when installed per instructions.

Electrical specifications	Dimming	Input volts	Input frequency	Input current	Input Power	THD Factor	Power Factor	Minimum Operating Temp.
Slim 5" 650lm	Triac	120V	50/60Hz	0.08A	9.5W	<15%	>0.9	-20°C
	0-10V	120V	50/60Hz	0.09A	10.1W	<20%	>0.9	-20°C
		277V	50/60Hz	0.04A	10.2W	<20%	>0.9	-20°C
Slim 7" 1000lm	Triac	120V	50/60Hz	0.13A	14.2W	<15%	>0.9	-20°C
	0-10V	120V	50/60Hz	0.12A	14.4W	<20%	>0.9	-20°C
		277V	50/60Hz	0.06A	14.7W	<20%	>0.9	-20°C
Slim 10" 2200lm	Triac	120V	50/60Hz	0.20A	23.2W	<20%	>0.9	-20°C
	0-10V	120V	50/60Hz	0.20A	23.2W	<10%	>0.95	-20°C
		277V	50/60Hz	0.09A	24.6W	<15%	>0.95	-20°C

Fore more details, please see LED-DIM-DL spec sheet.
* See Philips.com/warranties for warranty details.

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ENERGY STAR

S5R, S7R & S10R SlimSurface LED

Round 5", 7" and 10" Apertures

Compatibility (10" Round)

Install into 4-11/16" J-box:

4 11/16" square (metal)

Compatible with S10R only

Compatibility (5" & 7" Round)

Installs into standard J-box applications for 5" & 7" models:

3½" round (plastic)

4" square (plastic)

Not compatible with S5R

4" octagonal (metal)

4" square (metal)

Not compatible with S5R

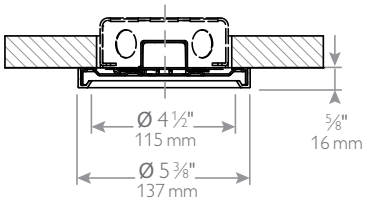
Fire rated J-box

Fire rated classification is per the ceiling and junction box ratings.

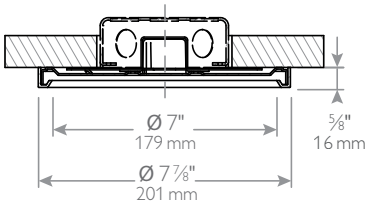
Note: A 2 1/8" deep octagon junction box is recommended for through circuit wiring applications.

Dimensions

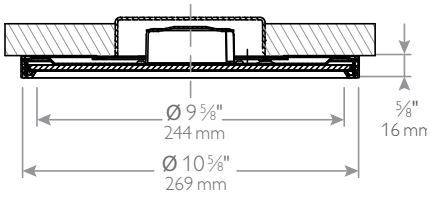
SlimSurface LED 5" downlight

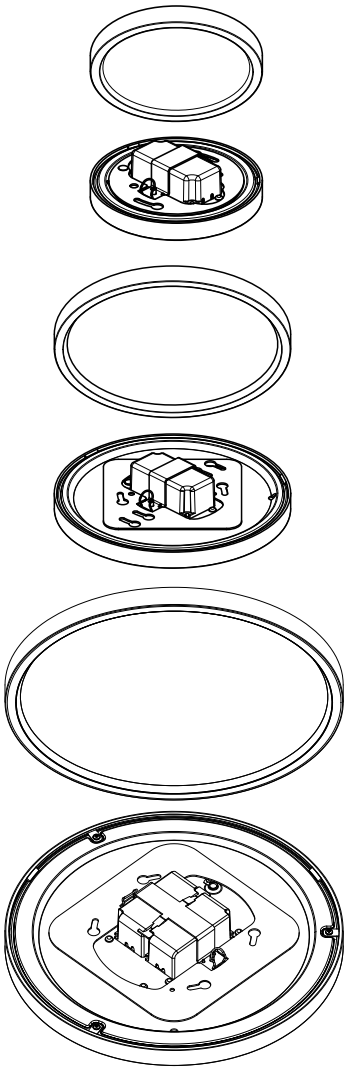


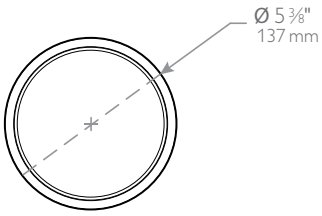
SlimSurface LED 7" downlight

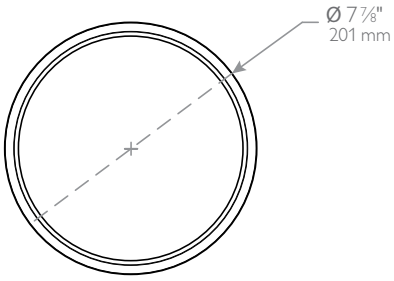


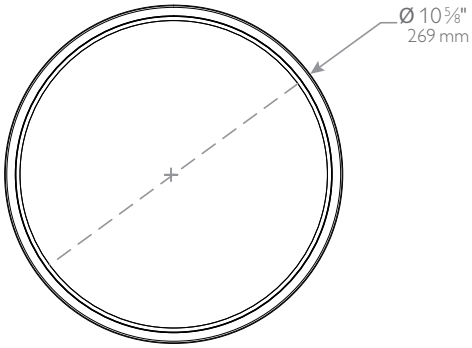
SlimSurface LED 10" downlight









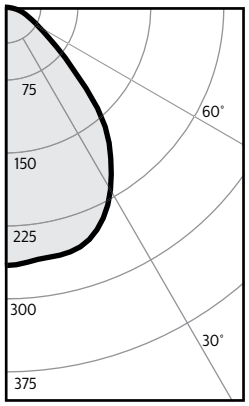


S5R, S7R & S10R SlimSurface LED

Round 5", 7" and 10" Apertures

S5R927K7 • 10W LED, 90CRI, 2700K

Candela Curves



Angle	Mean CP	Lumens
0	266	
5	263	25
10	261	
15	260	736
20	254	
25	239	110
30	217	
35	190	118
40	160	
45	118	91
50	81	
55	55	51
60	40	
65	30	31
70	23	
75	18	18
80	11	
85	4	5
90	0	

Report[1]: 1053GFR

Output lumens:	523lms	Efficacy:	57.4lm/w
Spacing Criterion:	1.2	CCT[3]:	2700K
Beam Angle:	87°	CRI:	90min
Input Watts[2]:	9.1W		

Single unit data

Height to Lighted Plane	Initial center beam foot-candles	Beam dia. (ft)*
5′	11	6.0′
6′	7	7.2′
7′	5	8.4′
8′	4	9.6′
9′	3	10.8′

* Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data - RCR 2

Spacing on center	Initial center beam foot-candles	Watts per sq.ft.
5′	21.8	0.40
6′	14.2	0.26
7′	10.2	0.19
8′	8.5	0.16
9′	6.8	0.13

38′x38′x10′ Room, Workplane 2.5′ above floor, 80/50/20% Reflectances

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method - Effective floor reflectance = 20%										
0	119	119	119	119	116	116	111	111	106	106	100
1	111	107	103	100	105	98	100	95	97	92	88
2	102	96	90	85	94	84	90	82	87	80	77
3	95	86	79	73	84	73	82	72	79	70	67
4	88	78	70	64	76	64	74	63	72	62	60
5	82	71	63	57	70	57	68	56	66	56	53
6	76	64	57	51	64	51	62	50	60	50	48
7	71	59	51	46	58	46	57	45	56	45	43
8	67	54	47	42	54	41	53	41	51	41	39
9	63	50	43	38	50	38	49	38	48	37	36
10	59	47	40	35	46	35	45	34	44	34	33

Room Cavity Ratio

Zonal lumens & percentages

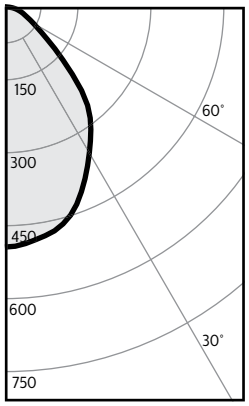
Zone	Lumens	%Luminaire
0-30	208	39.8%
0-40	326	62.5%
0-60	469	89.7%
0-90	522	100.0%

CRI and CCT adjustment factors

90CRI 2700K = 84%
80CRI 2700K = 100%
80CRI 3000K = 100%
80CRI 3500K = 105%
80CRI 4000K = 109%

S7R927K10 • 14W LED, 90CRI, 2700K

Candela Curves



Angle	Mean CP	Lumens
0	496	
5	490	46
10	479	
15	464	130
20	433	
25	391	180
30	348	
35	309	193
40	265	
45	197	152
50	135	
55	92	85
60	68	
65	51	52
70	40	
75	30	32
80	21	
85	9	10
90	0	

Report[1]: 962GFR

Output lumens:	880lms	Efficacy:	65.2lm/w
Spacing Criterion:	1.1	CCT[3]:	2700K
Beam Angle:	83°	CRI:	90min
Input Watts[2]:	13.5W		

Single unit data

Height to Lighted Plane	Initial center beam foot-candles	Beam dia. (ft)*
5′	20	5.5′
6′	14	6.6′
7′	10	7.7′
8′	8	8.8′
9′	6	9.9′

* Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data - RCR 2

Spacing on center	Initial center beam foot-candles	Watts per sq.ft.
5′	21.8	2.89
6′	14.2	1.90
7′	10.2	1.35
8′	8.5	1.13
9′	6.8	0.90

38′x38′x10′ Room, Workplane 2.5′ above floor, 80/50/20% Reflectances

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method - Effective floor reflectance = 20%										
0	119	119	119	119	116	116	111	111	106	106	100
1	111	107	103	100	104	98	100	95	96	92	88
2	102	96	90	85	94	84	90	82	87	80	77
3	95	86	79	74	85	73	82	72	79	71	67
4	88	78	70	65	77	64	74	63	72	62	60
5	82	71	63	57	70	57	68	56	66	56	53
6	76	65	57	51	64	51	62	51	61	50	48
7	71	59	52	46	59	46	57	46	56	45	43
8	67	55	47	42	54	42	53	42	52	41	39
9	63	51	43	38	50	38	49	38	48	38	36
10	59	47	40	35	47	35	46	35	45	35	33

Room Cavity Ratio

Zonal lumens & percentages

Zone	Lumens	%Luminaire
0-30	356	40.5%
0-40	549	62.4%
0-60	786	89.3%
0-90	880	100.0%

CRI and CCT adjustment factors

90CRI 2700K = 84%
80CRI 2700K = 100%
80CRI 3000K = 100%
80CRI 3500K = 105%
80CRI 4000K = 109%

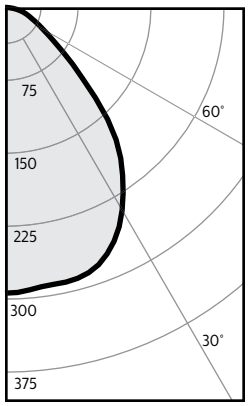
1. Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.
2. Wattage: controlled to within 5%
3. Correlated Color Temperature: within specs as defined in ANSI_NEMA_ANSLG C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.

S5R, S7R & S10R SlimSurface LED

Round 5", 7" and 10" Apertures

S5R827K7 • 10W LED, 80CRI, 2700K

Candela Curves



Angle	Mean CP	Lumens
0	294	
5	291	28
10	289	
15	288	81
20	281	
25	265	121
30	241	
35	211	131
40	178	
45	131	102
50	91	
55	62	57
60	45	
65	34	34
70	26	
75	20	21
80	13	
85	4	5
90	0	

Report[1]: 1054GFR

Output lumens:	581lms	Efficacy:	62.5lm/w
Spacing Criterion:	1.2	CCT[3]:	2700K
Beam Angle:	87°	CRI:	80min
Input Watts[2]:	9.3W		

Single unit data

Height to Lighted Plane	Initial center beam foot-candles	Beam dia. (ft)*
5'	12	6.0'
6'	8	7.2'
7'	6	8.4'
8'	5	9.6'
9'	4	10.8'

* Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data - RCR 2

Spacing on center	Initial center beam foot-candles	Watts per sq.ft.
5'	24.2	2.77
6'	15.8	1.82
7'	11.3	1.30
8'	9.5	1.08
9'	7.5	0.87

38'x38'x10' Room, Workplane 2.5' above floor, 80/50/20% Reflectances

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method - Effective floor reflectance = 20%										
0	119	119	119	119	116	116	111	111	106	106	100
1	111	107	103	100	105	105	100	95	97	92	88
2	102	96	90	85	94	94	90	82	87	80	77
3	95	86	79	73	84	84	82	72	79	70	67
4	88	78	70	64	76	76	74	63	72	62	60
5	82	71	63	57	70	70	68	56	66	56	53
6	76	64	57	51	64	64	62	50	60	50	48
7	71	59	51	46	58	58	57	45	56	45	43
8	67	54	47	42	54	54	53	41	51	41	39
9	63	50	43	38	50	50	49	38	48	37	36
10	59	47	40	35	46	46	45	34	44	34	33

Room Cavity Ratio

Zonal lumens & percentages

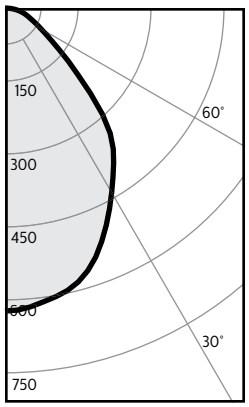
Zone	Lumens	%Luminaire
0-30	231	39.7%
0-40	362	62.3%
0-60	521	89.6%
0-90	581	100.0%

CRI and CCT adjustment factors

90CRI 2700K = 84%
80CRI 2700K = 100%
80CRI 3000K = 100%
80CRI 3500K = 105%
80CRI 4000K = 109%

S7R827K10 • 14W LED, 80CRI, 2700K

Candela Curves



Angle	Mean CP	Lumens
0	625	
5	618	59
10	604	
15	584	164
20	546	
25	494	227
30	440	
35	390	244
40	337	
45	250	193
50	170	
55	117	108
60	85	
65	65	65
70	51	
75	39	41
80	27	
85	12	13
90	0	

Report[1]: 964GFR

Output lumens:	1113lms	Efficacy:	83.1lm/w
Spacing Criterion:	1.1	CCT[3]:	2700K
Beam Angle:	83°	CRI:	80min
Input Watts[2]:	13.4W		

Single unit data

Height to Lighted Plane	Initial center beam foot-candles	Beam dia. (ft)*
5'	25	5.5'
6'	17	6.6'
7'	13	7.7'
8'	10	8.8'
9'	8	9.9'

* Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data - RCR 2

Spacing on center	Initial center beam foot-candles	Watts per sq.ft.
5'	24.2	3.68
6'	15.8	2.42
7'	11.3	1.73
8'	9.5	1.44
9'	7.5	1.15

38'x38'x10' Room, Workplane 2.5' above floor, 80/50/20% Reflectances

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method - Effective floor reflectance = 20%										
0	119	119	119	119	116	116	111	111	106	106	100
1	111	107	103	100	104	98	100	95	96	92	88
2	102	96	90	85	94	84	90	82	87	80	77
3	95	86	79	74	85	73	82	72	79	71	67
4	88	78	70	65	77	64	74	63	72	62	60
5	82	71	63	57	70	57	68	56	66	56	53
6	76	65	57	51	64	51	62	51	61	50	48
7	71	59	52	46	59	46	57	46	56	45	43
8	67	55	47	42	54	42	53	42	52	41	39
9	63	51	43	38	50	38	49	38	48	38	36
10	59	47	40	35	47	35	46	35	45	35	33

Room Cavity Ratio

Zonal lumens & percentages

Zone	Lumens	%Luminaire
0-30	449	40.4%
0-40	693	62.3%
0-60	994	89.3%
0-90	1113	100.0%

CRI and CCT adjustment factors

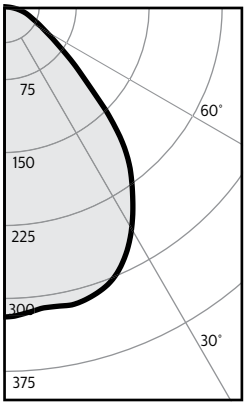
90CRI 2700K = 84%
80CRI 2700K = 100%
80CRI 3000K = 100%
80CRI 3500K = 105%
80CRI 4000K = 109%

S5R, S7R & S10R SlimSurface LED

Round 5", 7" and 10" Apertures

S5R830K7 • 10W LED, 80CRI, 3000K

Candela Curves



Angle	Mean CP	Lumens
0	319	
5	315	30
10	313	
15	313	88
20	306	
25	290	131
30	264	
35	231	142
40	197	
45	146	109
50	100	
55	69	62
60	50	
65	38	37
70	29	
75	22	22
80	15	
85	6	6
90	0	

Report[1]: 1055GFR

Output lumens:	628lms	Efficacy:	69.0lm/w
Spacing Criterion:	1.2	CCT[3]:	3000K
Beam Angle:	87°	CRI:	80min
Input Watts[2]:	9.1W		

Single unit data

Height to Lighted Plane	Initial center beam foot-candles	Beam dia. (ft)*
5′	13	6.0′
6′	9	7.2′
7′	7	8.4′
8′	5	9.6′
9′	4	10.8′

* Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data - RCR 2

Spacing on center	Initial center beam foot-candles	Watts per sq.ft.
5′	26.2	3.06
6′	17.1	2.01
7′	12.2	1.43
8′	10.2	1.19
9′	8.1	0.96

38′x38′x10′ Room, Workplane 2.5′ above floor, 80/50/20% Reflectances

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method - Effective floor reflectance = 20%										
Room Cavity Ratio 0	119	119	119	119	116	116	111	111	106	106	100
1	111	107	103	100	105	98	100	95	97	92	88
2	102	96	90	85	94	84	90	82	87	80	77
3	95	86	79	73	84	73	82	72	79	70	67
4	88	78	70	64	76	64	74	63	72	62	60
5	82	71	63	57	70	57	68	56	66	56	53
6	76	64	57	51	64	51	62	50	60	50	48
7	71	59	51	46	58	46	57	45	56	45	43
8	67	54	47	42	54	41	53	41	51	41	39
9	63	50	43	38	50	38	49	38	48	37	36
10	59	47	40	35	46	35	45	34	44	34	33

Zonal lumens & percentages

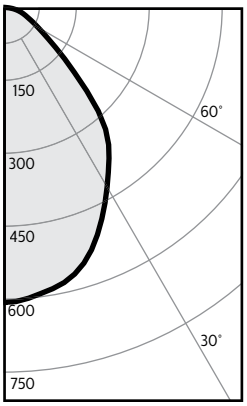
Zone	Lumens	%Luminaire
0-30	249	39.7%
0-40	391	62.3%
0-60	562	89.6%
0-90	628	100.0%

CRI and CCT adjustment factors

90CRI 2700K = 84%
80CRI 2700K = 100%
80CRI 3000K = 100%
80CRI 3500K = 105%
80CRI 4000K = 109%

S7R830K10 • 14W LED , 80CRI, 3000K

Candela Curves



Angle	Mean CP	Lumens
0	607	
5	601	57
10	588	
15	568	159
20	531	
25	480	221
30	427	
35	379	237
40	328	
45	243	187
50	165	
55	113	105
60	83	
65	63	63
70	49	
75	37	39
80	26	
85	12	13
90	0	

Report[1]: 961GFR

Output lumens:	1081lms	Efficacy:	80.0lm/w
Spacing Criterion:	1.1	CCT[3]:	3000K
Beam Angle:	83°	CRI:	80min
Input Watts[2]:	13.5W		

Single unit data

Height to Lighted Plane	Initial center beam foot-candles	Beam dia. (ft)*
5′	24	5.5′
6′	17	6.6′
7′	12	7.7′
8′	9	8.8′
9′	7	9.9′

* Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data - RCR 2

Spacing on center	Initial center beam foot-candles	Watts per sq.ft.
5′	26.2	3.55
6′	17.1	2.33
7′	12.2	1.66
8′	10.2	1.39
9′	8.1	1.11

38′x38′x10′ Room, Workplane 2.5′ above floor, 80/50/20% Reflectances

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method - Effective floor reflectance = 20%										
Room Cavity Ratio 0	119	119	119	119	116	116	111	111	106	106	100
1	111	107	103	100	104	98	100	95	96	92	88
2	102	96	90	85	94	84	90	82	87	80	77
3	95	86	79	74	85	73	82	72	79	71	67
4	88	78	70	65	77	64	74	63	72	62	60
5	82	71	63	57	70	57	68	56	66	56	53
6	76	65	57	51	64	51	62	51	61	50	48
7	71	59	52	46	59	46	57	46	56	45	43
8	67	55	47	42	54	42	53	42	52	41	39
9	63	51	43	38	50	38	49	38	48	38	36
10	59	47	40	35	47	35	46	35	45	35	33

Zonal lumens & percentages

Zone	Lumens	%Luminaire
0-30	437	40.4%
0-40	674	62.3%
0-60	966	89.4%
0-90	1081	100.0%

CRI and CCT adjustment factors

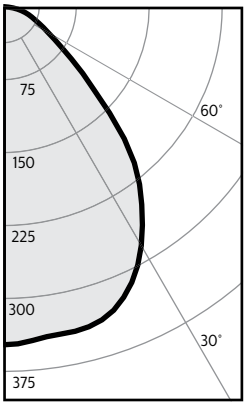
90CRI 2700K = 84%
80CRI 2700K = 100%
80CRI 3000K = 100%
80CRI 3500K = 105%
80CRI 4000K = 109%

S5R, S7R & S10R SlimSurface LED

Round 5", 7" and 10" Apertures

S5R835K7 • 10W LED, 80CRI, 3500K

Candela Curves



Angle	Mean CP	Lumens
0	347	
5	344	33
10	341	
15	340	96
20	332	
25	312	143
30	283	
35	248	155
40	209	
45	154	119
50	107	
55	74	68
60	53	
65	41	41
70	31	
75	23	25
80	15	
85	5	7
90	0	

Report[1]: 1056GFR

Output lumens:	685lms	Efficacy:	75.3lm/w
Spacing Criterion:	1.2	CCT[3]:	3500K
Beam Angle:	87°	CRI:	80min
Input Watts[2]:	9.1W		

Single unit data

Height to Lighted Plane	Initial center beam foot-candles	Beam dia. (ft)*
5′	14	6.0′
6′	10	7.2′
7′	7	8.4′
8′	5	9.6′
9′	4	10.8′

* Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data - RCR 2

Spacing on center	Initial center beam foot-candles	Watts per sq.ft.
5′	28.6	3.34
6′	18.7	2.19
7′	13.3	1.56
8′	11.2	1.30
9′	8.9	1.04

38′x38′x10′ Room, Workplane 2.5′ above floor, 80/50/20% Reflectances

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method - Effective floor reflectance = 20%										
0	119	119	119	119	116	116	111	111	111	106	100
1	111	107	103	100	105	98	100	95	95	92	88
2	102	96	90	85	94	84	90	82	82	80	77
3	95	86	79	73	84	73	82	72	72	70	67
4	88	78	70	64	76	64	74	63	63	62	60
5	82	71	63	57	70	57	68	56	56	56	53
6	76	64	57	51	64	51	62	50	50	50	48
7	71	59	51	46	58	46	57	45	45	45	43
8	67	54	47	42	54	41	53	41	41	41	39
9	63	50	43	38	50	38	49	38	38	37	36
10	59	47	40	35	46	35	45	34	34	34	33

Room Cavity Ratio

Zonal lumens & percentages

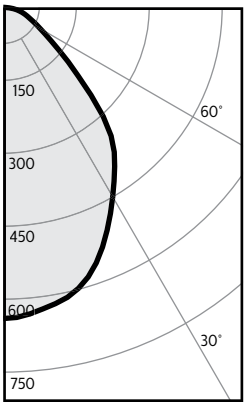
Zone	Lumens	%Luminaire
0-30	272	39.6%
0-40	426	62.2%
0-60	613	89.5%
0-90	685	100.0%

CRI and CCT adjustment factors

90CRI 2700K = 84%
80CRI 2700K = 100%
80CRI 3000K = 100%
80CRI 3500K = 105%
80CRI 4000K = 109%

S7R835K10 • 14W LED, 80CRI, 3500K

Candela Curves



Angle	Mean CP	Lumens
0	639	
5	632	60
10	618	
15	597	167
20	558	
25	505	232
30	449	
35	399	249
40	345	
45	255	197
50	174	
55	120	111
60	88	
65	67	67
70	52	
75	40	42
80	28	
85	12	13
90	0	

Report[1]: 965GFR

Output lumens:	1139lms	Efficacy:	84.4lm/w
Spacing Criterion:	1.1	CCT[3]:	3500K
Beam Angle:	83°	CRI:	80min
Input Watts[2]:	13.5W		

Single unit data

Height to Lighted Plane	Initial center beam foot-candles	Beam dia. (ft)*
5′	26	5.5′
6′	18	6.6′
7′	13	7.7′
8′	10	8.8′
9′	8	9.9′

* Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data - RCR 2

Spacing on center	Initial center beam foot-candles	Watts per sq.ft.
5′	28.6	3.74
6′	18.7	2.45
7′	13.3	1.75
8′	11.2	1.46
9′	8.9	1.17

38′x38′x10′ Room, Workplane 2.5′ above floor, 80/50/20% Reflectances

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method - Effective floor reflectance = 20%										
0	119	119	119	119	116	116	111	111	106	106	100
1	111	107	103	100	104	98	100	95	96	92	88
2	102	96	90	85	94	84	90	82	87	80	77
3	95	86	79	74	85	73	82	72	79	71	67
4	88	78	70	65	77	64	74	63	72	62	60
5	82	71	63	57	70	57	68	56	66	56	53
6	76	65	57	51	64	51	62	51	61	50	48
7	71	59	52	46	59	46	57	46	56	45	43
8	67	55	47	42	54	42	53	42	52	41	39
9	63	51	43	38	50	38	49	38	48	38	36
10	59	47	40	35	47	35	46	35	45	35	33

Room Cavity Ratio

Zonal lumens & percentages

Zone	Lumens	%Luminaire
0-30	459	40.3%
0-40	708	62.2%
0-60	1016	89.2%
0-90	1139	100.0%

CRI and CCT adjustment factors

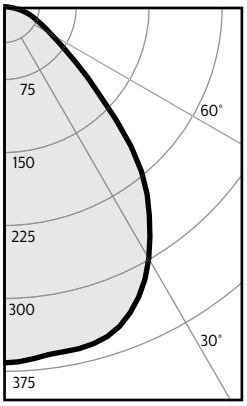
90CRI 2700K = 84%
80CRI 2700K = 100%
80CRI 3000K = 100%
80CRI 3500K = 105%
80CRI 4000K = 109%

S5R, S7R & S10R SlimSurface LED

Round 5", 7" and 10" Apertures

S5R840K7 • 10W LED, 80CRI, 4000K

Candela Curves



Angle	Mean CP	Lumens
0	366	
5	363	35
10	360	
15	359	101
20	350	
25	329	151
30	299	
35	262	163
40	221	
45	163	126
50	113	
55	79	72
60	57	
65	44	44
70	34	
75	25	27
80	16	
85	6	7
90	0	

Report[1]: 1057GFR

Output lumens:	726lms	Efficacy:	79.8lm/w
Spacing Criterion:	1.2	CCT[3]:	4000K
Beam Angle:	87°	CRI:	80min
Input Watts[2]:	9.1W		

Single unit data

Height to Lighted Plane	Initial center beam foot-candles	Beam dia. (ft)*
5'	15	6.0'
6'	10	7.2'
7'	7	8.4'
8'	6	9.6'
9'	5	10.8'

* Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data - RCR 2

Spacing on center	Initial center beam foot-candles	Watts per sq.ft.
5'	30.3	3.54
6'	19.8	2.32
7'	14.1	1.66
8'	11.8	1.38
9'	9.4	1.10

38'x38'x10' Room, Workplane 2.5' above floor, 80/50/20% Reflectances

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method - Effective floor reflectance = 20%										
Room Cavity Ratio 0	119	119	119	119	116	116	111	111	106	106	100
1	111	107	103	100	105	98	100	95	97	92	88
2	102	96	90	85	94	84	90	82	87	80	77
3	95	86	79	73	84	73	82	72	79	70	67
4	88	78	70	64	76	64	74	63	72	62	60
5	82	71	63	57	70	57	68	56	66	56	53
6	76	64	57	51	64	51	62	50	60	50	48
7	71	59	51	46	58	46	57	45	56	45	43
8	67	54	47	42	54	41	53	41	51	41	39
9	63	50	43	38	50	38	49	38	48	37	36
10	59	47	40	35	46	35	45	34	44	34	33

Zonal lumens & percentages

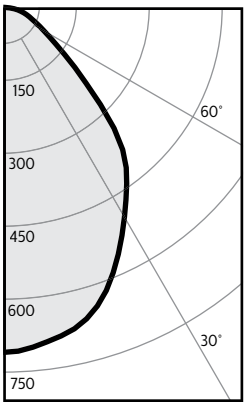
Zone	Lumens	%Luminaire
0-30	286	39.5%
0-40	450	62.0%
0-60	648	89.3%
0-90	726	100.0%

CRI and CCT adjustment factors

90CRI 2700K = 84%
80CRI 2700K = 100%
80CRI 3000K = 100%
80CRI 3500K = 105%
80CRI 4000K = 109%

S7R840K10 • 14W LED, 90CRI, 2700K

Candela Curves



Angle	Mean CP	Lumens
0	710	
5	702	66
10	686	
15	663	186
20	620	
25	560	258
30	499	
35	443	276
40	382	
45	283	218
50	193	
55	133	122
60	97	
65	74	74
70	57	
75	44	46
80	30	
85	14	15
90	0	

Report[1]: 963GFR

Output lumens:	1262lms	Efficacy:	94.2lm/w
Spacing Criterion:	1.1	CCT[3]:	4000K
Beam Angle:	83°	CRI:	80min
Input Watts[2]:	13.4W		

Single unit data

Height to Lighted Plane	Initial center beam foot-candles	Beam dia. (ft)*
5'	28	5.5'
6'	20	6.6'
7'	14	7.7'
8'	11	8.8'
9'	9	9.9'

* Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data - RCR 2

Spacing on center	Initial center beam foot-candles	Watts per sq.ft.
5'	30.3	4.17
6'	19.8	2.74
7'	14.1	1.96
8'	11.8	1.63
9'	9.4	1.30

38'x38'x10' Room, Workplane 2.5' above floor, 80/50/20% Reflectances

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method - Effective floor reflectance = 20%										
Room Cavity Ratio 0	119	119	119	119	116	116	111	111	106	106	100
1	111	107	103	100	104	98	100	95	96	92	88
2	102	96	90	85	94	84	90	82	87	80	77
3	95	86	79	74	85	73	82	72	79	71	67
4	88	78	70	65	77	64	74	63	72	62	60
5	82	71	63	57	70	57	68	56	66	56	53
6	76	65	57	51	64	51	62	51	61	50	48
7	71	59	52	46	59	46	57	46	56	45	43
8	67	55	47	42	54	42	53	42	52	41	39
9	63	51	43	38	50	38	49	38	48	38	36
10	59	47	40	35	47	35	46	35	45	35	33

Zonal lumens & percentages

Zone	Lumens	%Luminaire
0-30	510	40.4%
0-40	786	62.3%
0-60	1127	89.3%
0-90	1262	100.0%

CRI and CCT adjustment factors

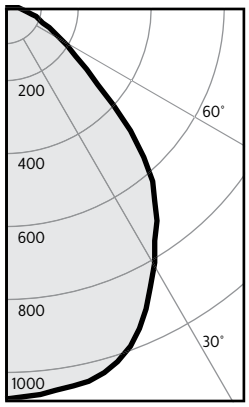
90CRI 2700K = 84%
80CRI 2700K = 100%
80CRI 3000K = 100%
80CRI 3500K = 105%
80CRI 4000K = 109%

S5R, S7R & S10R SlimSurface LED

Round 5", 7" and 10" Apertures

S10R830K22 • 24W LED, 80CRI, 3000K

Candela Curves



Angle	Mean CP	Lumens
0	1027	
5	1017	97
10	1008	
15	992	279
20	947	
25	871	399
30	776	
35	685	429
40	597	
45	459	351
50	313	
55	223	204
60	161	
65	122	122
70	93	
75	70	74
80	46	
85	20	23
90	0	

Report[1]: S10R927K22BK

Output lumens:	1977lms	Efficacy:	84.1lm/w
Spacing Criterion:	1.1	CCT[3]:	3000K
Beam Angle:	87°	CRI:	80min
Input Watts[2]:	23.5W		

Single unit data

Height to Lighted Plane	Initial center beam foot-candles	Beam dia. (ft)*
5′	41	5.5′
6′	29	6.6′
7′	21	7.7′
8′	16	8.8′
9′	13	9.9′

* Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data - RCR 2

Spacing on center	Initial center beam foot-candles	Watts per sq.ft.
5′	83.4	1.04
6′	54.8	0.68
7′	39.1	0.49
8′	32.6	0.41
9′	26.1	0.33

38′x38′x10′ Room, Workplane 2.5′ above floor, 80/50/20% Reflectances

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method - Effective floor reflectance = 20%										
0	119	119	119	119	116	116	111	111	106	106	100
1	111	107	103	100	104	98	100	95	96	92	88
2	102	95	90	85	93	84	90	82	87	80	76
3	95	86	79	73	84	72	81	71	79	70	67
4	88	77	70	64	76	63	74	63	71	62	59
5	82	70	62	56	69	56	67	56	65	55	53
6	76	64	56	50	63	50	61	50	60	49	47
7	71	59	51	45	58	45	57	45	55	45	43
8	66	54	46	41	53	41	52	41	51	41	39
9	62	50	43	37	49	37	48	37	47	37	35
10	59	47	39	34	46	34	45	34	44	34	32

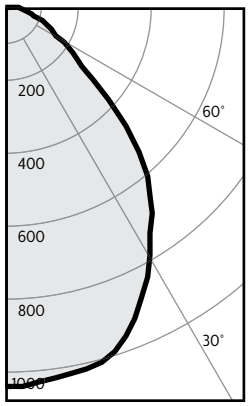
Room Cavity Ratio

Zonal lumens & percentages

Zone	Lumens	%Luminaire
0-30	775	39.2%
0-40	1203	60.9%
0-60	1758	88.9%
0-90	1977	100.0%

S10R835K22 • 24W LED, 80CRI, 3500K

Candela Curves



Angle	Mean CP	Lumens
0	1000	
5	990	94
10	981	
15	966	271
20	922	
25	847	388
30	754	
35	664	416
40	579	
45	442	339
50	300	
55	212	195
60	153	
65	117	117
70	89	
75	67	71
80	44	
85	20	22
90	0	

Report[1]: 963GFR

Output lumens:	1913lms	Efficacy:	80.0lm/w
Spacing Criterion:	1.1	CCT[3]:	3500K
Beam Angle:	87°	CRI:	80min
Input Watts[2]:	23.9W		

Single unit data

Height to Lighted Plane	Initial center beam foot-candles	Beam dia. (ft)*
5′	40	5.5′
6′	28	6.6′
7′	20	7.7′
8′	16	8.8′
9′	12	9.9′

* Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data - RCR 2

Spacing on center	Initial center beam foot-candles	Watts per sq.ft.
5′	80.8	1.06
6′	53.0	0.70
7′	37.9	0.50
8′	31.6	0.41
9′	25.2	0.33

38′x38′x10′ Room, Workplane 2.5′ above floor, 80/50/20% Reflectances

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method - Effective floor reflectance = 20%										
0	119	119	119	119	116	116	111	111	106	106	100
1	111	107	103	100	104	98	100	95	96	92	88
2	102	95	90	85	94	84	90	82	87	80	76
3	95	86	79	73	84	72	81	71	79	70	67
4	88	77	70	64	76	64	74	63	72	62	59
5	82	70	62	57	69	56	67	56	65	55	53
6	76	64	56	51	63	50	62	50	60	50	47
7	71	59	51	45	58	45	57	45	55	45	43
8	67	54	47	41	54	41	52	41	51	41	39
9	62	50	43	38	50	38	49	37	48	37	35
10	59	47	39	35	46	34	45	34	44	34	32

Room Cavity Ratio

Zonal lumens & percentages

Zone	Lumens	%Luminaire
0-30	754	39.4%
0-40	1170	61.2%
0-60	1703	89.0%
0-90	1913	100.0%

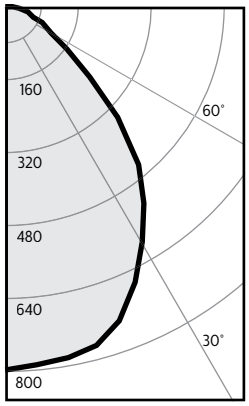
1. Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.
2. Wattage: controlled to within 5%
3. Correlated Color Temperature: within specs as defined in ANSI_NEMA_ANSLG C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.

S5R, S7R & S10R SlimSurface LED

Round 5", 7" and 10" Apertures

S10R927K22 • 23W LED, 90 CRI, 2700 K

Candela Curves



Angle	Mean CP	Lumens
0	794	
5	788	75
10	781	
15	769	216
20	732	
25	669	307
30	595	
35	525	328
40	453	
45	344	265
50	238	
55	162	149
60	116	
65	87	87
70	66	
75	49	52
80	32	
85	13	15
90	0	

Report[1]: S10R927K22BK

Output lumens:	1493 lms	Efficacy:	65.5 lm/w
Spacing Criterion:	1.1	CCT[3]:	2700 K
Beam Angle:	86°	CRI:	90 min
Input Watts[2]:	22.8 W		

Single unit data

Height to Lighted Plane	Initial center beam foot-candles	Beam dia. (ft)*
5′	32	5.5′
6′	22	6.6′
7′	16	7.7′
8′	12	8.8′
9′	10	9.9′

* Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data - RCR 2

Spacing on center	Initial center beam foot-candles	Watts per sq.ft.
5′	63.3	1.01
6′	41.5	0.66
7′	29.7	0.47
8′	24.7	0.39
9′	19.8	0.32

38′x38′x10′ Room, Workplane 2.5′ above floor, 80/50/20% Reflectances

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method - Effective floor reflectance = 20%										
0	119	119	119	119	116	116	111	111	106	106	100
1	111	107	103	100	105	98	100	95	97	93	88
2	103	96	90	85	94	84	90	82	87	80	77
3	95	86	79	74	85	73	82	72	79	70	67
4	88	78	70	64	77	64	74	63	72	62	60
5	82	71	63	57	70	57	68	56	66	56	53
6	76	65	57	51	64	51	62	50	60	50	48
7	71	59	51	46	58	46	57	45	56	45	43
8	67	55	47	42	54	42	53	41	52	41	39
9	63	51	43	38	50	38	49	38	48	38	36
10	59	47	40	35	46	35	46	35	45	35	33

Room Cavity Ratio

Zonal lumens & percentages

Zone	Lumens	%Luminaire
0-30	598	40.0%
0-40	925	62.0%
0-60	1339	89.7%
0-90	1493	100.0%

1. Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.
2. Wattage: controlled to within 5%
3. Correlated Color Temperature: within specs as defined in ANSI_NEMA_ANSLG C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.

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Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALR-043-CL

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Recessed Fixture
Item Type	Recessed Downlight
Description	Downlight recessed
Manufacturer	Cooper Lighting/Halo Commercial
Model	HC620D010-HM0525930-61MDH
Dimensions	13"L x 7.5"W x 7"H
Lamp Type	LED
Dimming Type	0-10V
Trim	Haze
Lamp Kelvin	3000K
Voltage	120-277V
Mount	Ceiling Recessed
On Dimming System	Yes
Delivered Lumens (LED) or Mean Lumens (Non-LED)	1749
Lamp CRI	90+
Warranty	Five year limited warranty
Notes	Efficacy:89.9 Lamp Life/Fixture Life: 50,000 Fixture Input (Max. Watts): 14.2W

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 2

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Flex

Project		**Catalog #**	HC620D010-HM0525930-61MDH	**Type**	ALR-043-CL
Prepared by	Kathleen Kenny National Accounts 678-447-5208 kathleen.kenny@cooperlighting.com	**Notes**		**Date**	4/2022

HALO Commercial

HC6 | HM6 | 61 | 61PS

6-inch LED downlight and wall wash

Typical Applications

Office • Healthcare • Hospitality • Institutional • Mixed-Use/Retail

Interactive Menu

- Order Information page 2
- Product Specifications page 4
- Photometric Data page 5
- Energy & Performance Data page 8
- Connected Systems page 9
- Product Warranty

Product Certification

ENERGY STAR · Efficiency Standards T24 Can be used to comply with California Title 24 Non-Residential · FC · RoHS COMPLIANT · UL CERTIFIED

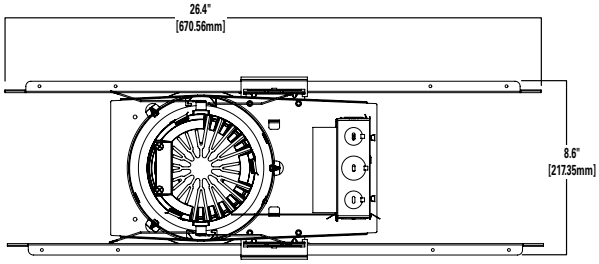
Product Features

WaveLinx

Top Product Features

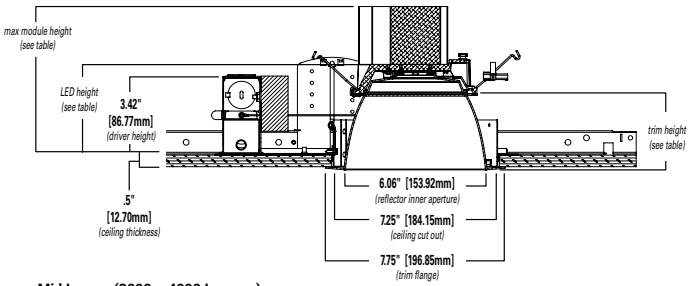
- New construction/remodel series; 500 to 6,000 lumens
- Narrow, Medium and Wide distributions; Wall wash with rotatable linear spread lens
- 2700K, 3000K, 3500K, 4000K, 5000K CCT; 80 or 90 CRI
- Universal voltage 120V-277V; Standard 0-10V driver dims to 1%
- Mounting frame converts to remodel that installs from below the ceiling

Dimensional and Mounting Details



additional product diagrams

NEW CONSTRUCTION - MID LUMEN
3000 AND 4000 LUMEN



Mid Lumen (3000 – 4000 Lumens)

Distribution	Max. Module Height	Trim Height	LED Height
Narrow	6.6"	3.4"	3.8"
Medium	6.7"	3.5"	3.9"
Wide	6.5"	3.3"	3.7"
Baffle	6.5"	3.3"	3.7"

Order Information

Sample Number: HC620D010REM7 – HM60525835 - 61MDC

A complete luminaire consists of a housing frame, LED module, and reflector (ordered separately)

Mounting Frame	Lumens	Driver Options	Factory Installed Emergency & Connected Lighting Options	Accessories (Order & Install Separately)
HC6 = 6" new construction downlight housing **HC6CP** = 6" new construction housing, Chicago Plenum - CCEA compliant	**05** = 500 lm **07** = 750 lm **10** = 1000 lm **15** = 1500 lm **20** = 2000 lm **25** = 2500 lm **30** = 3000 lm **35** = 3500 lm **40** = 4000 lm **45** = 4500 lm (7) **50** = 5000 lm (7) **55** = 5500 lm (7) **60** = 6000 lm (7)	**D010**=UNV 120-277V, 50/60Hz, 0-10V 1%-100% dimming at 120-277V on 0-10V controls **Canada Option 500-5000 lumens:** **D010347** = 347VAC 50/60Hz 0-10V 1%-100% dimming. For 500, 750, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000lm models only (1) **Canada Option 5500-6000 lumens:** **D010X347** = step down transformer factory installed (with standard "D010" 120V-277V LED driver). For 5500, 6000lm models only (1)	**REM7** = 7 watt emergency battery pack with remote test / indicator light, use with D010 only (1) (2) (6) **REM14** = 14 watt emergency battery pack with remote test / indicator light, use with D010 only (1) (2) (6) **IEM7** = 7 watt emergency battery pack with remote test / indicator light, use with D010 only (1) (2) (6) **IEM14** = 14 watt emergency battery pack with remote test / indicator light, use with D010 only (1) (2) (6) **BOD7ST** = 7.5 watt Bodine self-test emergency battery pack with remote test / indicator light, use with D010 only (1) (2) (6) **WTA** = Factory WaveLinx Tilemount Sensor Kit (4) **WTK** = Factory WaveLinx Lite Commercial Tilemount Sensor Kit (5)	**HB128APK** = L channel hanger bar, 26", pair (replacement) **RMB22** = Adjustable wood joist mounting bars, pair, extend to 22" long **HSA6** = Slope Adapter for 6" Aperture Housings, Specify Slope (refer to instructions for installing housing and trim) **H347** = 347 to 120V step down transformer, 75VA **H347200** = 347 to 120V step down transformer, 200VA **WTA** = Field WaveLinx Tilemount Sensor Kit (4) **WTK** = Field WaveLinx Lite Commercial Tilemount Sensor Kit (5)
		DLV = Distributed Low Voltage driver 1%-100% dimming. DLV for use with DLVP system only. Refer to DLVP low-voltage power module and DLVP specifications for details. (1)	**REMV7** = 7 watt emergency battery pack with remote test / indicator light, use with DLV only (1) (2) (3) (6) **REMV14** = 14 watt emergency battery pack with remote test / indicator light, use with DLV only (1) (2) (3) (6) **IEMV7** = 7 watt emergency battery pack with remote test / indicator light, use with DLV only (1) (2) (3) (6) **IEMV14** = 14 watt emergency battery pack with remote test / indicator light, use with DLV only (1) (2) (3) (6)	
Notes	**Notes** (7) Marked Spacing: Center to Center of Adjacent Luminaires = 36" Center of Luminaire to Building Member = 18" Minimum overhead = 0.5	**Notes** (1) Not available with CP models	**Notes** (1) Not available with CP models (2) Not available with D010347 (347V models) (3) ULus for U.S. only (4) WTA = WaveLinx tile mount sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with D010 only (Refer to WaveLinx specifications) (5) WTK = WaveLinx Lite tile mount sensor kit for daylight dimming, PIR motion sensing, use with D010 only (Refer to WaveLinx Lite specifications) (6) Emergency battery backup options are Non-IC only, and rated for a minimum starting temperature of 0°C	**Notes** (4) WTA = WaveLinx tile mount sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with D010 only (Refer to WaveLinx specifications) (5) WTK = WaveLinx Lite tile mount sensor kit for daylight dimming, PIR motion sensing, use with D010 only (Refer to WaveLinx Lite specifications)

LED Module	Lumens	CRI/CCT	
HM6 = 6" LED Modules For use with HC6 - HC6CP New Construction housings only	**0525** = 500 - 2500 lumen **3040** = 3000-4000 lumen **4560** = 4500-6000 lumen	**827** = 80CRI, 2700K **830** = 80CRI, 3000K **835** = 80CRI, 3500K **840** = 80CRI, 4000K **850** = 80CRI, 5000K	**927** = 90CRI, 2700K **930** = 90CRI, 3000K **935** = 90CRI, 3500K **940** = 90CRI, 4000K **950** = 90CRI, 5000K
Notes	**Notes**	**Notes**	

Order Information

Reflector | Distribution | Finish | Flange | Accessories

Reflector	Distribution[8]	Finish	Flange	Accessories
61 = 6" conical reflector	**ND** = narrow 55° beam angle 0.97 SC **MD** = medium 60° beam angle 1.10 SC **WD** = wide 65° beam angle 1.28 SC **RWW** = rotatable wall wash with linear spread lens	**C** = Specular clear **H** = Semi-specular clear **W** = White	**Blank** = Polished flange standard with C & H reflectors **Blank** = White flange standard with W reflector **WF** = White flange option available with C & H reflectors	**61RWWPK** = Replacement part kit - wall wash lens insert - for use with 61RWW* only.
Notes	**Notes** (8) Values are nominal, with specular clear reflector, other finishes and field results may vary.	**Notes**	**Notes**	**Notes**

Baffle | Distribution | Finish | Flange | Accessories

Baffle	Distribution[8]	Finish	Flange	Accessories
61 = 6" baffle reflector	**WD** = wide 65° beam angle 1.28 SC (nominal) **RWW** = rotatable wall wash with linear spread lens	**BB** = Black baffle **WB** = White baffle	**Blank** = White flange standard with BB, & WB **BF** = Black flange option available with BB	**61RWWPK** = Replacement part kit - wall wash lens insert - for use with 61RWW* only.
Notes	**Notes** (8) Values are nominal, with specular clear reflector, other finishes and field results may vary.	**Notes**	**Notes**	**Notes**

IEM Reflector | Distribution | Finish | Flange | Integral Emergency

IEM Reflector	Distribution[8]	Finish	Flange	Integral Emergency
61 = 6" IEM reflector for integral emergency only	**ND** = narrow 55° beam angle 0.97 SC **MD** = medium 60° beam angle 1.10 SC **WD** = wide 65° beam angle 1.28 SC	**C** = Specular clear **H** = Semi-specular clear **W** = White	**Blank** = Polished flange standard with C & H reflectors **Blank** = White flange standard with W reflector **WF** = White flange option available with C & H reflectors	**IEM** = Reflector for use with integral emergency housings only. Provides access hole for integral emergency test switch.
Notes	**Notes** (8) Values are nominal, with specular clear reflector, other finishes and field results may vary.	**Notes**	**Notes**	**Notes**

IEM Baffle | Distribution | Finish | Flange | Integral Emergency

IEM Baffle	Distribution[8]	Finish	Flange	Integral Emergency
61 = 6" IEM baffle reflector for integral emergency only	**WD** = wide 65° beam angle 1.28 SC (nominal)	**BB** = Black baffle **WB** = White baffle	**Blank** = White flange standard with BB, & WB **BF** = Black flange option with BB	**IEM** = Reflector for use with integral emergency housings only. Provides access hole for integral emergency test switch.
Notes	**Notes** (8) Values are nominal, with specular clear reflector, other finishes and field results may vary.	**Notes**	**Notes**	**Notes**

Reflector | Distribution | Finish | Flange

Reflector	Distribution[8]	Finish	Flange
61PS = 6" non-conductive polymer 'dead front' conical reflector Use with HM6PS0525* LED modules only[9]	**MD** = medium 60° beam angle 1.10 SC (nominal)	**W** = White	**Blank** = White flange standard with W reflector
Notes (9) 61PS is 1000-2000 lumens Non-IC rated. 500 & 750 lumens IC rated. 61PS is not for use over 2000lm in Non-IC or over 750lm in IC.	**Notes** (8) Values are nominal, with specular clear reflector, other finishes and field results may vary.	**Notes**	**Notes**

Product Specifications

Housing Frame
- Boat shaped galvanized steel plaster frame with adjustable plaster lip
- Accommodates 1/2" to 1-1/2" thick ceilings
- Installs in new construction or from below the finished ceiling (non-accessible) for remodeling (with mounting bars removed)
- Provided with two remodel clips to secure the frame to the ceiling

Universal Mounting Bracket
- Adjusts 2" vertically from above and below the ceiling
- Use with the included mounting bars or with 1/2" Electric Metallic Tube (EMT)
- Removable to facilitate remodeling installation from below the finished ceiling

Mounting Bars
- Captive pre-installed No Fuss™ mounting bars lock to T-grid with screwdriver or pliers
- Centering detents allow for consistent positioning of fixtures

LED Module
- Proximity phosphors over chip on board LEDs provide a uniform source with high efficiency and no pixilation
- Available in 80 or 90 color rendering index (CRI)
- Color accuracy within 3 SDCM provides color consistency and uniformity
- 90 CRI option: R9>50 (refer to chromaticity information for details)
- Available in 2700K, 3000K, 3500K, 4000K and 5000K correlated color temperature (CCT)
- Lumen options include 500, 750, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500, 6000 lumens (nominal)
- Passive thermal management achieves 60,000 hours at 70% lumen maintenance (L70) in insulated ceilings (IC) and non-IC applications
- Integral diffuse lens provides visual shielding
- Integral connector allows quick connection to housing flex

Reflector
- Self-flanged aluminum reflectors available in narrow, medium or wide distribution patterns
- Medium distribution polymer non-conductive matte white reflector may be used to meet local codes for 'dead front' applications (500 & 750 lumen max. in IC and 2000 lumen max. in Non-IC)
- Wall wash reflector features a rotatable linear spread lens for alignment of vertical illumination
- Reflectors attach to LED module with three speed clamps
- Available in multiple painted or plated finishes

Reflector/Module Retention
- Reflector/module assembly is securely retained in the housing with two torsion springs

Driver
- Field-replaceable constant current driver provides low noise operation
- Universal 120-277VAC 50/60Hz input standard
- Continuous, 1% to 100% dimming with 0-10V analog control
- Optional low-voltage DC driver for use with Distributed Low Voltage Power (DLVP) system
- Distributed Low Voltage Power (DLVP) system combines power, lighting and controls with ease of installation (refer to DLVP Design Guide at www.cooperlighting.com for details)

Canada Options
- 347VAC 50/60Hz; 1% dimming on 0 -10V analog control, for 500, 750, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000 lumen models only
- 347V step down transformer factory installed with the standard "D010" 120V-277V, LED driver on 5500, 6000 lumen models only

Emergency Option
- Provides 90 minutes of standby lighting, meeting most life safety codes for egress lighting
- Available with integral or remote charge indicator and test switch
- Available Self-Test (self-diagnostic) with remote charge indicator and test switch

Connected Lighting System Options
Two WaveLinx connected systems to choose. Summary information provided below, refer to WaveLinx system specifications and application guides for details.

<u>WaveLinx System Tilemount Sensor Kit</u>
- WaveLinx WTA tile mount sensor kit offers daylight dimming, PIR motion sensing, scene and zone configuration, automatic commissioning; and optional RLTS - Real Time Location Services available.

<u>WaveLinx Lite System Tilemount Sensor Kit</u>
- WaveLinx Lite WTK tile mount sensor kit offers daylight dimming and PIR motion sensing, scene and grouping configuration.

<u>WaveLinx Tilemount Kits Application</u>
- The WTA and WTK tilemount kits include a control module mounted on the luminaire junction box via 1/2" knock-out, and a tilemount sensor on 54-inch whip; for ceiling installation by direct-mount spring clips or via mounting bracket in octagon ceiling boxes.
- The WTA and WTK tilemount kits may be ordered as factory installed on the luminaire, or ordered separately as a field installed accessory kit.

Junction Box
- Galvanized steel junction box
- 20 in^3 internal volume excluding voltage barrier
- 25 in^3 internal total volume
- Voltage barrier for 0-10V dimming wires (occupies one 1/2" pry-out space)
- Listed for eight #12 AWG (four in, four out) 90˚C conductors and feed-thru branch wiring
- Three 1/2" and two 3/4" trade size pry-outs available
- Three 4-port push wire nuts for mains voltage with 1-port for fixture connection

Compliance
- cULus Listed to UL 1598 / C22.2 No. 250.0, suitable for damp locations and wet locations in covered ceilings only
- Emergency options provided with UL Listed emergency drivers to UL 924 / C22.2 No. 141, suitable for indoor/damp locations
- IP20 - Above finished ceiling; IP65 - Below finished ceiling
- Non-Insulated ceiling (Non-IC) rated for 2500, 3000, 3500, 4000, 4500, 5000, 5500, 6000 lumen models (insulation must be kept 3" from top and sides)
- Insulated ceiling (IC) rated for 500, 750, 1000, 1500, 2000 lumen models and suitable for direct contact with air permeable insulation* (IC models are also suitable for Non-IC installations)
- Non-IC marked spacing required for 4500, 5000, 5500, 6000 lumen models
  - Marked Spacing Center to Center of Adjacent Luminaires = 36"
  - Center of Luminaire to Building Member = 18"
  - Minimum overhead = 0.5"
- Airtight per ASTM-E283-04
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- EMI/RFI emissions FCC CFR Title 47 Part 15 Class A at 120/277V
- Contains no mercury or lead and RoHS compliant
- Photometric testing completed in accordance of IES LM-79-08
- Lumen maintenance projection in accordance of IES LM-80-08 and TM-21-11
- 500, 750, 1,000, 1,500 and 2,000 lumen, 90 CRI, ICAT models may be used to comply with State of California Title 24 residential code, per JA8 certification standards
- May be used to comply with State of California Title 24 non-residential code as a dimmable LED luminaire
- ENERGY STAR® certified, reference certified light fixtures database

*Not for use in direct contact with spray foam insulation, consult NEMA LSD57-2013

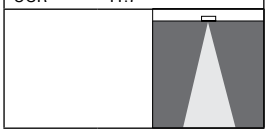
Warranty
- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

Photometric Data

View IES files

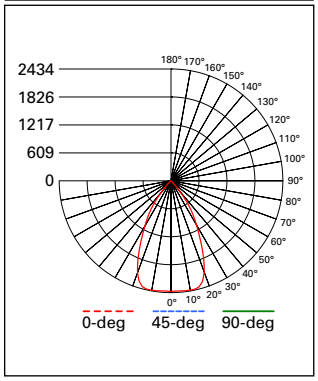
NARROW DISTRIBUTION - SPECULAR CLEAR FINISH, 2000 LUMEN MODEL, 80 CRI, 3500K

NARROW (55° BEAM*)	
Test Number	P581878
Housing	HC620D010
Module	HM60525835
Reflector	61NDC
Lumens	2228 Lm
Efficacy	111.4 Lm/W
SC	0.93
UGR	11.7

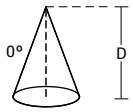


CANDLEPOWER DISTRIBUTION

Downlight



CONE OF LIGHT



MH	FC	L	W
5.5'	80.2	5	5
7'	49.5	6.4	6.4
8'	37.9	7.4	7.4
9'	30	8.2	8.2
10'	24.3	9.2	9.2
12'	16.9	11	11

CANDELA TABLE

Degrees Vertical	Candela
0	2427
5	2422
15	2405
25	1621
35	761
45	118
55	12
65	3
75	2
85	0
90	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30	1636	73.4
0-40	2098	94.2
0-60	2223	99.8
0-90	2228	100
90-180	0	0
0-180	2228	100

LUMINANCE

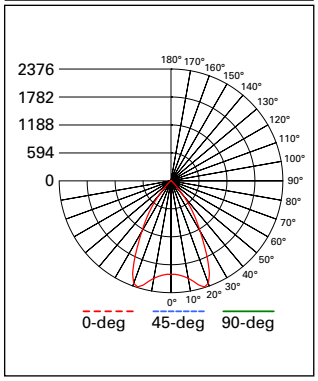
Average Candela Degrees	Average 0° Luminance
45	9187
55	1118
65	376
75	318
85	0

MEDIUM DISTRIBUTION - SPECULAR CLEAR FINISH, 2000 LUMEN MODEL, 80 CRI, 3500K

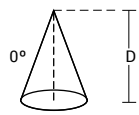
MEDIUM (60° BEAM*)	
Test Number	P581875
Housing	HC620D010
Module	HM60525835
Reflector	61MDC
Lumens	2307 Lm
Efficacy	115.3 Lm/W
SC	1.06
UGR	11.8

CANDLEPOWER DISTRIBUTION

Downlight



CONE OF LIGHT



MH	FC	L	W
5.5'	68.7	5.6	5.6
7'	42.4	7.2	7.2
8'	32.5	8.2	8.2
9'	25.7	9.4	9.4
10'	20.8	10.4	10.4
12'	14.4	12.4	12.4

CANDELA TABLE

Degrees Vertical	Candela
0	1998
5	2022
15	2307
25	1842
35	796
45	126
55	15
65	4
75	2
85	0
90	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30	1671	72.4
0-40	2163	93.8
0-60	2301	99.7
0-90	2307	100
90-180	0	0
0-180	2307	100

LUMINANCE

Average Candela Degrees	Average 0° Luminance
45	9753
55	1395
65	571
75	318
85	0

Note: Refer to IES files for more product data.

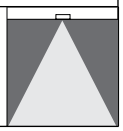
HALO Commercial

Photometric Data

View IES files

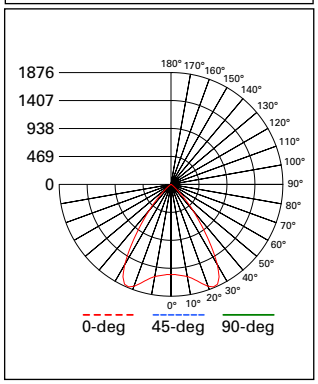
WIDE DISTRIBUTION - SPECULAR CLEAR FINISH, 2000 LUMEN MODEL, 80 CRI, 3500K

WIDE (65° BEAM*)	
Test Number	P581885
Housing	HC620D010
Module	HM60525835
Reflector	61WDC
Lumens	2359 Lm
Efficacy	118 Lm/W
SC	1.28
UGR	11.6

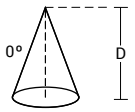


CANDLEPOWER DISTRIBUTION

Downlight



CONE OF LIGHT



MH	FC	L	W
5.5'	50.5	7	7
7'	31.2	8.8	8.8
8'	23.9	10.2	10.2
9'	18.8	11.4	11.4
10'	15.3	12.8	12.8
12'	10.6	15.4	15.4

CANDELA TABLE

Degrees Vertical	Candela
0	1526
5	1540
15	1685
25	1861
35	1027
45	252
55	32
65	6
75	2
85	0
90	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30	1461	61.9
0-40	2105	89.2
0-60	2351	99.6
0-90	2359	100
90-180	0	0
0-180	2359	100

LUMINANCE

Average Candela Degrees	Average 0° Luminance
45	19506
55	3078
65	765
75	318
85	0

*Value are nominal with specular clear reflectors, other finishes and field results may vary.
SC = Spacing Criteria
UGR = Unified Glare Rating

Photometric Multipliers (Nominal Lumen Values)

500 Lumen	750 Lumen	1000 Lumen	1500 Lumen	2000 Lumen	2500 Lumen	3000 Lumen	3500 Lumen
0.33	0.44	0.54	0.74	1.00	1.12	1.46	1.76

4000 Lumen	4500 Lumen	5000 Lumen	5500 Lumen	6000 Lumen
1.81	2.17	2.28	2.38	2.65

Multipliers for relative lumen values with other series models.

Color Finish Multipliers

Finish code	C	H	W/WB	BB
Finish	Specular Clear	Semi-Specular	Matte White White Baffle	Black Baffle
Multiplier	1.00	0.92	0.91	0.82

Multipliers for relative lumen values with other color finishes.

CCT Multipliers – 80CRI

2700K	3000K	3500K	4000K	5000K
0.92	0.98	1.00	1.03	1.03

Multipliers for relative lumen values with other series color temperatures.

CCT Multipliers – 90CRI

2700K	3000K	3500K	4000K	5000K
0.77	0.84	0.89	0.90	0.90

Multipliers for relative lumen values with other series color temperatures.

Note: Refer to IES files for more product data.

Photometric Data

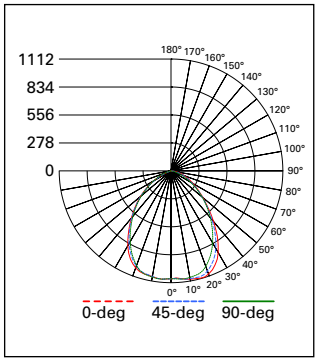
View IES files

WALL WASH DISTRIBUTION - SPECULAR CLEAR FINISH, 2000 LUMEN MODEL, 80 CRI, 3500K

WALL WASH	
Test Number	P581882
Housing	HC620D010
Module	HM60525835
Reflector	61RWWC
Lumens	2179 Lm
Efficacy	109 Lm/W
SC	1.15

CANDLEPOWER DISTRIBUTION

Downlight



CANDELA TABLE	
Degrees Vertical	Candela
0	1080
5	1081
15	1112
25	1034
35	800
45	514
55	319
65	184
75	85
85	12
90	0

ZONAL LUMEN SUMMARY		
Zone	Lumens	% Fixture
0-30	849	39
0-40	1313	60.2
0-60	1978	90.8
0-90	2179	100
90-180	0	0
0-180	2179	100

LUMINANCE	
Average Candela Degrees	Average 0° Luminance
45	39810
55	30479
65	23907
75	17983
85	7359

SC = Spacing Criteria, nominal for specular clear reflector, other finishes and field results may vary.

SINGLE UNIT FOOTCANDLES

	2.5' from wall (distance from fixture along wall)						
1	19.3	13.8	6.1	2.2	0.7	0.3	0.1
2	29.1	22.6	12.3	5.7	2.5	1.2	0.6
3	27.6	22.5	13.8	7.3	3.7	1.9	1
4	21	18.2	12.4	7.4	4.2	2.4	1.4
5	14.4	13.1	9.9	6.6	4.1	2.5	1.6
6	9.7	9.1	7.5	5.5	3.7	2.5	1.6
7	6.7	6.4	5.5	4.3	3.2	2.2	1.5
8	4.7	4.6	4.1	3.4	2.7	2	1.4
9	3.4	3.3	3.1	2.7	2.2	1.7	1.3
10	2.5	2.5	2.4	2.1	1.8	1.4	1.1

MULTIPLE UNIT FOOTCANDLES

	2.5' from wall (Distance from fixture along 3')			2.5' from wall (Distance from fixture along 4')		
1	21.5	19.1	21.5	20	12.1	20
2	34.7	34.4	34.7	31.6	24.6	31.6
3	34.9	36	34.9	31.3	27.6	31.3
4	28.4	30.7	28.4	25.2	24.8	25.2
5	21	23.2	21	18.6	19.8	18.6
6	15.2	16.8	15.2	13.4	15	13.4
7	11	12	11	9.9	11	9.9
8	8.1	8.7	8.1	7.4	8.2	7.4
9	6.1	6.5	6.1	5.6	6.2	5.6
10	4.6	4.9	4.6	4.3	4.7	4.3

Photometric Multipliers (Nominal Lumen Values)

500 Lumen	750 Lumen	1000 Lumen	1500 Lumen	2000 Lumen	2500 Lumen	3000 Lumen	3500 Lumen
0.33	0.44	0.54	0.74	1.00	1.12	1.46	1.76

4000 Lumen	4500 Lumen	5000 Lumen	5500 Lumen	6000 Lumen
1.81	2.17	2.28	2.38	2.65

Multipliers for relative lumen values with other series models.

Color Finish Multipliers

Finish code	C	H	W/WB	BB
Finish	Specular Clear	Semi-Specular	Matte White White Baffle	Black Baffle
Multiplier	1.00	0.92	0.91	0.82

Multipliers for relative lumen values with other color finishes.

CCT Multipliers – 80CRI

2700K	3000K	3500K	4000K	5000K
0.92	0.98	1.00	1.03	1.03

Multipliers for relative lumen values with other series color temperatures.

CCT Multipliers – 90CRI

2700K	3000K	3500K	4000K	5000K
0.77	0.84	0.89	0.90	0.90

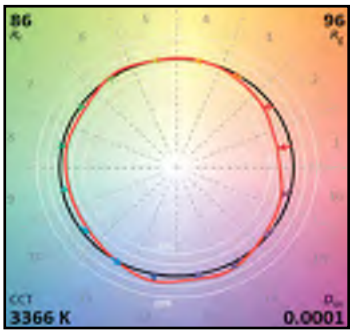
Multipliers for relative lumen values with other series color temperatures.

Note: Refer to IES files for more product data.

Energy & Performance Data

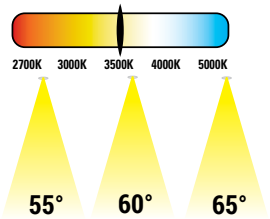
COLOR METRICS - TM-30-15 & CRI/CIE (3500K)

80 CRI Color Metric Summary - 3500K*



Reference Illuminant — Test Source

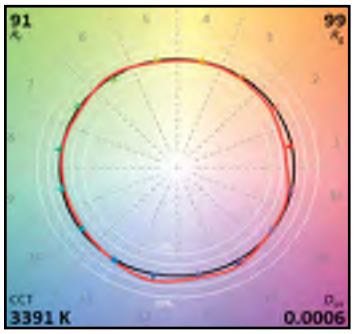
TM-30-15	Rf = 86
	Rg = 95.5
CRI/CIE	Ra = 83.8
	R9 = 10.3



55° narrow — 60° medium — 65° wide

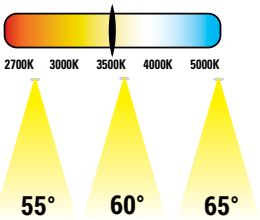
Nominal Beam

90 CRI Color Metric Summary - 3500K*



Reference Illuminant — Test Source

TM-30-15	Rf = 91.1
	Rg = 99
CRI/CIE	Ra = 92.4
	R9 = 55.1



55° narrow — 60° medium — 65° wide

Nominal Beam

* Color values are based on 61WDWB reflector, other finishes and field results may vary.

ENERGY DATA

Series	500 lumen		750 lumen		1000 lumen		1500 lumen		2000 lumen	
Input Voltage 120-277VAC	120V	277V	120V	277V	120V	277V	120V	277V	120V	277V
Input Current (A)	0.051	0.026	0.067	0.036	0.083	0.039	0.119	0.053	0.171	0.077
Input Power (W)	6.1	6.5	7.9	8.3	10	10.4	14.5	14.5	20.9	20.6
In-rush (A)	1.9	8.4	2	8.4	2.2	8.5	2.7	8.5	2.1	9.7
Inrush duration (µs)	251	135	237	133	250	134	250	139	245	131
THD (%)	6.2	13.5	7.4	8.8	5.4	10.3	10	6.7	6.5	7.9
PF	≥ 0.99	≥ 0.9	≥ 0.98	≥ 0.92	≥ 0.99	≥ 0.95	≥ 0.99	≥ 0.97	≥ 0.99	≥ 0.96

Series	2500 lumen		3000 lumen		3500 lumen		4000 lumen		4500 lumen	
Input Voltage 120-277VAC	120V	277V	120V	277V	120V	277V	120V	277V	120V	277V
Input Current (A)	0.23	0.103	0.24	0.107	0.292	0.152	0.351	0.159	0.384	0.172
Input Power (W)	27.5	27.5	28.6	28.5	34.6	35.1	42.1	42.1	45.9	45.6
In-rush (A)	2.5	5.6	2.5	11.6	3.4	13.9	3.1	14.7	3.1	14.8
Inrush duration (µs)	232	123	216	111	183	95	200	98	202	100
THD (%)	6.5	8.1	7.8	8.3	5.6	10	4.1	9.5	4.5	8.5
PF	≥ 0.99	≥ 0.96	≥ 0.99	≥ 0.96	≥ 0.99	≥ 0.93	≥ 0.99	≥ 0.94	≥ 0.99	≥ 0.95

Series	5000 lumen		5500 lumen		6000 lumen	
Input Voltage 120-277VAC	120V	277V	120V	277V	120V	277V
Input Current (A)	0.419	0.186	0.457	0.201	0.489	0.214
Input Power (W)	50.1	49.5	54.6	53.7	58.4	57.4
In-rush (A)	3.1	15	3.2	14.8	3.4	14.8
Inrush duration (µs)	202	117	196	131	192	121
THD (%)	5.5	7.6	7	7.2	8.1	7.2
PF	≥ 0.99	≥ 0.96	≥ 0.99	≥ 0.96	≥ 0.99	≥ 0.97

Minimum starting temperature -30°C (-22°F)* (Nominal input 120-277VAC & 100% of rated output power)
Sound Rating: Class A standards

Notes:
* Emergency Battery packs are rated for a minimum starting temperature of 0°C.

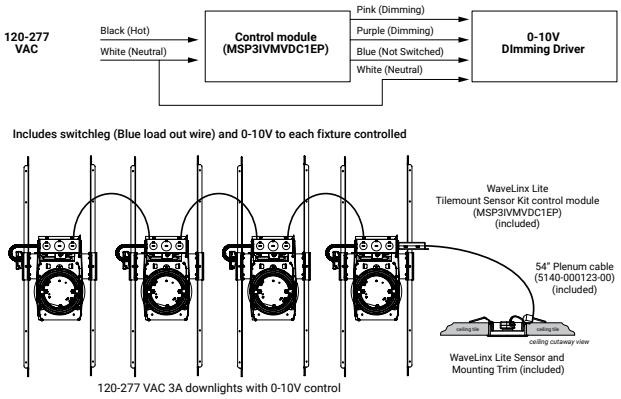
Connected Systems

WaveLinx Lite - WTK Tilemount Sensor

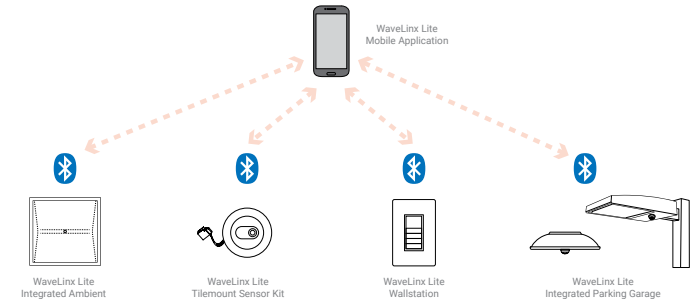
- Intuitive Android™ or Apple® iOS® app for basic system code compliant set up and configuration via Bluetooth
- Up to 28 unique areas per project site (WaveLinx Lite Bluetooth network)
- Up to 50 devices for an area, any one of 16 control zones, up to 6 occupancy sets, and custom lighting scenes
- Automatic occupancy or vacancy, sensor sensitivity, daylight dimming, etc. configurable through the app
- Refer to the WaveLinx system specifications for details

Device Security | Manual Dimmer | Occupancy Sensor | Daylighting Control | Manually Switched ON/OFF | Tuning Control | Lumen Maintenance Control | Scenes

WaveLinx Lite WTK Tilemount Wiring Diagram



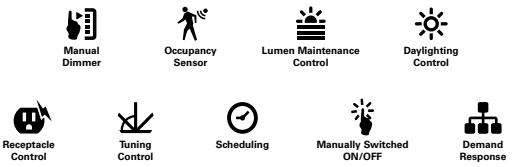
WaveLinx Lite Bluetooth Enabled System



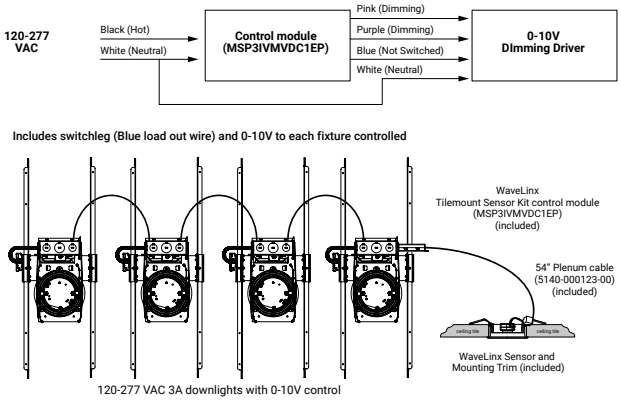
WaveLinx – WTA Tilemount Sensor

- WaveLinx functionality configures zones and customizes settings from one secure mobile app
- Automatic code commissioning that meets the strictest codes
- Fixtures and sensors integrate with Wireless Area Controller, Wall Stations, and Control Devices
- Stand-Alone Offices or Entire Building Network Installations

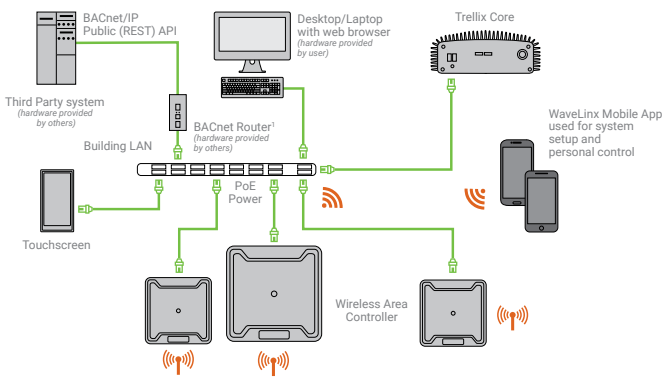
WaveLinx mobile app settings



WaveLinx WTA Tilemount Wiring Diagram

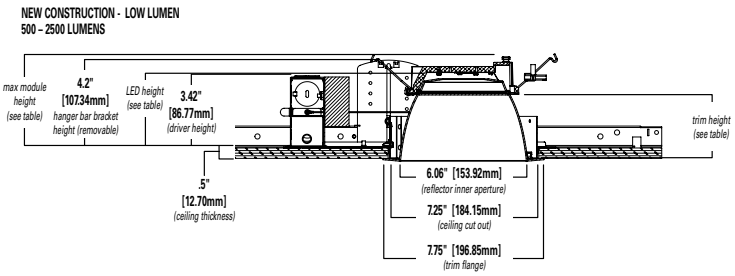


WaveLinx Trellix Building Management Integration



Dimensional and Mounting Details

NEW CONSTRUCTIONS - LOW LUMEN 500 – 2500 LUMENS

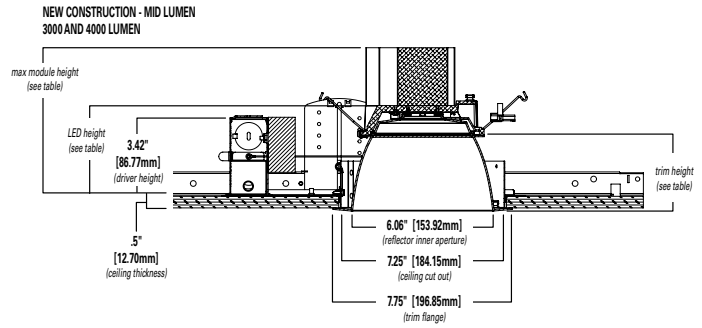


Low Lumen (500 – 2500 Lumens)*

Distribution	Max. Module Height	Trim Height	LED Height
Narrow	4.5"	3.4"	3.8"
Medium	4.6"	3.5"	3.9"
Wide	4.4"	3.3"	3.7"
Baffle	4.4"	3.3"	3.7"

*Max. height w/removable hanger bar bracket 4.2"

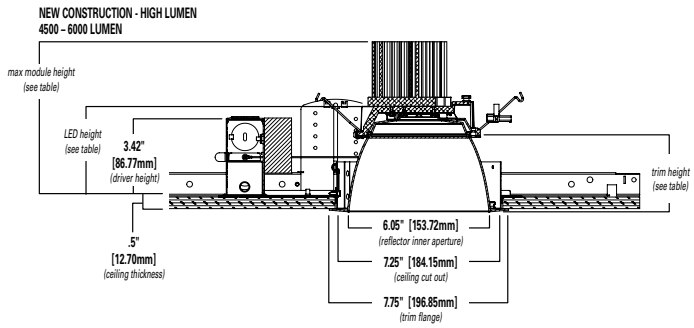
NEW CONSTRUCTIONS - MID LUMEN 3000 – 4000 LUMENS



Mid Lumen (3000 – 4000 Lumens)

Distribution	Max. Module Height	Trim Height	LED Height
Narrow	6.6"	3.4"	3.8"
Medium	6.7"	3.5"	3.9"
Wide	6.5"	3.3"	3.7"
Baffle	6.5"	3.3"	3.7"

NEW CONSTRUCTIONS - HIGH LUMEN 4500 – 6000 LUMENS



High Lumen (4500 – 6000 Lumens)

Distribution	Max. Module Height	Trim Height	LED Height
Narrow	6.9"	3.4"	3.8"
Medium	7.0"	3.5"	3.9"
Wide	6.8"	3.3"	3.7"
Baffle	6.8"	3.3"	3.7"

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Specifications and dimensions
subject to change without notice.

Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALR-043-SI

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Recessed Fixture
Item Type	Recessed Downlight
Description	LyteProfile LED Downlight Recessed
Manufacturer	Signify/Lightolier
Model	LyteProfile 6RNUP6RDL15930WHZ10UIEM6
Dimensions	13"L x 7.5"W x 7"H
CSI #	265100 Interior Lighting
Omniclass #	22-265100 Interior Lighting
Lamp Type	LED
Dimming Type	0-10V
Trim	Haze
Lamp Kelvin	3000K
Reflector	White
Voltage	120-277V
Mount	Ceiling Recessed
On Dimming System	Yes
Delivered Lumens (LED) or Mean Lumens (Non-LED)	1629
Lamp CRI	90+
Warranty	Five year limited warranty
Notes	Efficacy: 107 lm/W Lamp Life/Fixture Life: 50,000 Hours Fixture Input (Max. Watts): 15W

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

ALTERNATE MANUFACTURER 2

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Flex

LIGHTOLIER
by signify

Downlighting

LyteProfile

P6R 6" Round Downlight & Wall Wash

ALR-043-SI

Project:
Location:
Cat.No:
Type:
Qty:
Notes:

LyteProfile downlights and wall washers provide a perfect balance of functionality with glare control. The robust and versatile UniFrame frame-in kit makes changes and updates easy to manage and install. Ideal for use in a variety of applications including open office, institutional, healthcare, and retail.

Standard luminaire = Frame + Engine/Trim + Accessories (optional)

Buy American Act of 1933 (BAA)** Compliant luminaire* = Frame-BAC + Engine/Trim-BAC

* BAA compliance requires that BAC option be selected for each of frame and engine/trim.
Frame and engine/trim will be ordered/shipped together (ex: 4RN-BAC-Z4RDL20835WOCDZ10U-BAC).
Accessories (optional) are not currently BAA-compliant.

Frame

Standard example: 6RN | BAC example: 6RN-BAC

Series	Aperture	Installation	Options	
6	R	N		
6 Uniframe 6-inch Non-IC	**R** Round	**N** New construction (Non-IC)	– Universal 120/277/347V[1] **LC** Chicago Plenum **EM6** Emergency, 6W Self-Test/Self-Diagnostic (not available for BAC)[2]	**3** 347V (for non-0-10v configurations) **RADIO** Integral Interact Pro RF sensor (120/277/347V) (enables wireless connected lighting control)[3] **BAC** Meets the requirements of the Buy American Act of 1933 (BAA)**
		R Remodeler (Non-IC)	– Universal 120/277/347V[1]	**3** 347V (for non-Z10 configurations)
		A AirSeal (IC)	– Universal 120/277/347V[1]	**BAC** Meets the requirements of the Buy American Act of 1933 (BAA)**

Light Engine / Trim

Standard example: P6RDL20835CDZ10U | BAC example: P6RDL20835CDZ10U-BAC

Series	Style	Lumen	CRI / CCT	Reflector	Flange	Dimming	Voltage	Options
P6R	DL	15	830	WH		Z10		IEM6
P6R LyteProfile 6-inch Round downlight	**DL** Downlight **LW** Lensed Wall Wash **SL** Shower light[4] (non-conductive lens)	**10** 1000lm **15** 1500lm **20** 2000lm **25** 2500lm **30** 3000lm **35** 3500lm	**827** 80CRI / 2700K **830** 80CRI / 3000K **835** 80CRI / 3500K **840** 80CRI / 4000K **850** 80CRI / 5000K	**CL** Specular clear **CC** Comfort clear **CD** Comfort clear diffuse	– White (matte) **B** Black (matte) **P** Polished (matches aperture)	**Z10** 0-10V 1%	**U** 120/277V **3** 347V[5,6] (0-10v only)	– None **R** Retrofit (not compatible with IEM6) **IEM6** Trim mounted EM test switch[8] **BAC** Meets the requirements of the Buy American Act of 1933 (BAA)**
				WH White (matte) **BK** Black (matte)	– White (matte) **B** Black (matte)	**L** Lutron LDE1 EcoSystem (fade-to-black)	**U** 120/277/347V	
				WHAMF White (gloss antimicrobial)	– White (gloss)	**P** Power over Ethernet (PoE)	**E** Ethernet 48V DC	
						Only compatible with 1000 (10) to 2500 (25) lumen configurations		

Accessories (Not currently BAA-compliant - learn more on page 2)

SBA	Interact Ready System Bridge Accessory with integral occupancy and daylight sensor (compatible with all 0-10V options, see SBA spec sheet)[7]
CAEM6	Field installable Bodine BSL6 6W battery pack with self-test/self-diagnostic for use with new construction frames, 120-277V
7925	6" sloped ceiling adapter (refer to SCA spec sheet for slope options)
AMS	ActiLume multi-sensor (optional accessory for PoE configurations)

1. Universal 120-347V is for 0-10v (Z10) dimming configurations only. For 347V non-Z10 dimming, order 347V (3) frame with (U) light engine/trim.
2. Emergency (EM6) frame is compatible with reflector mounted test switch when light engine is ordered with IEM6 option code (not compatible with 347V or Power over Ethernet configurations).
3. Interact Pro (RADIO) requires above ceiling access.
4. Shower light (SL) in only available with White (WH) reflector finish.
5. Specify standard UNV frame for use with 347V light engines
6. The 347V light engine voltage option is only available with Z10 dimming option. For other dimming protocols order UNV (U) light engine and 347V (3) frame.
7. Requires IRT9015 IR remote and Interact Pro App for commissioning.
8. IEM6 option available on DL style only.

** Failure to properly select the "BAC" suffix could result in you receiving product that is not BAA compliant product with no recourse for an RMA or refund. This BAC designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies.

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P6R LyteProfile 6"

Round Downlight & Lensed Wall Wash

Features

Optics

- Provides a 60° cutoff (physical and reflected)
- Wide beam distribution for general illumination
- Spun and anodized reflectors available in specular (clear), semi-specular (comfort clear and diffuse finishes. Also available in white and black painted finishes.

Quality of light

- Consult factory for RAL finishes
- Color consistency: 3 SDCM
- 80 CRI minimum

Construction (New Construction)

- Galvanized stamped steal for dry / plaster ceilings.
- Pre-installed telescoping mounting bars (13"-24")
- Frame accommodates C- channel, black iron, and 3/4" EMT for mounting distances greater than 24" between joists.
- Manufactured from 20 gage galvanized steel construction with rolled edge aperture to guide cutting tools for perfect hole cutting.

Max ceiling thickness is 2" (51 mm). Including PoE frame 4.88" (124 mm).

Patented install Mounting frame

- Pre-installed mounting bars allow for fast and tool-less install into T-grid & hat channel ceilings
- Close-cut aperture design eliminates an undesired gap between ceiling material and reflector.
- Simple plug-and-play connection between frame and light engine from below the ceiling allows for:
  - Easy upgrades
  - Technology changes
  - Repairs and troubleshooting

Dimming

- Advance 0-10V 1% dimming
- Lutron Hi-lume EcoSystem H Series 1% dimming
- EldoLED ECOdrive Dali 1% dimming
- EldoLED SOLOdrive 0-10V 0.1% dimming
- EldoLED DMX POWERdrive

Light engine

Quick connect power pack allow for easy installation and replacement from below ceiling with no need for additional wiring. This allows for:

- Frame and ceiling installation to be performed while still finalizing details such as lumen packages, CCT and control type.
- Easy replacement of electronics at end of life with minimal wasted material and labor required.
- Ease and upgradability of technology.
- Lumen Maintenance: L80 at 60,000 hours.
- 347V light engines are 0-10v dimming only and include dedicated 347V driver for use with universal 120/277/347V (U) frames. For 347V and non-0-10v dimming, order (U) light engine and 347V (3) frame (includes step down transformer).

Emergency

Bodine BSL6 6W battery pack with self-test/ diagnostic functionality. Factory or field mounted to frame.

- For trim with integral emergency test switch, order light engine with IEM6 option (ex: P6RDL20835CDZ10UIEM6). DL or SL styles only.
- For remote ceiling mounted test switch, order standard light engine (ex: P6RDL20835CDZ10U). Optional accessory ceiling mounting plate available (CAEM6TSCP) for remote mounted test switch.
- Refer to Calculite-LyteProfile-EasyLyte Emergency Battery Pack specification sheet for more details.

Retrofit

- Easily updates legacy LyteProfile LED downlights to the latest technology. Includes light engine, trim, and driver mounted on cover plate that mounts to previous generations of LyteProfile LED luminaires. Order with R option code at end of light engine/trim catalog number.

Power over Ethernet

Powered via Philips PoE lighting controller: complies with FCC rules per Title 47 part 15 (Class A) for EMI / RFI (conducted & radiated). PoE lighting controller accessible from below ceiling.

Options and Accessories

Sloped ceilings: Compatible with sloped ceiling adapters (see SCA spec sheet).

Field Installed Emergency: Refer to Calculite-LyteProfile-EasyLyte Emergency Battery Pack specification sheet for more details.

CAEM6: Field install EM6 kit with Bodine BSL6 6W battery pack with self-test/self-diagnostic, mounts to new construction frames. Includes remote ceiling plate for test switch. To mount test switch to trim for new construction frame, order light engine with IEM6 option code (e.g. P6RDL20835CDZ10UIEM6).

CAEM6TSCP: Ceiling cover plate for remote mounted EM6 test switch. 1/2" (25mm) hole, 4 3/8" (109mm) x 2 3/4" (69mm) rectangular. Includes two mounting screws.

ENERGY STAR® exceptions

- 500lm configurations
- Black finishes
- PoE drivers

Labels and Listings

- cULus listed for wet locations
- CCEA (frames with *LC suffix)
- ENERGY STAR® certified
- RoHS certified

Warranty

5 year limited warranty

Visit Signify.com/warranties for more information on Signify's standard 5-year limited warranty on complete luminaire systems.

Finishes

Specular clear

Most specular and therefore most efficient finish, delivers maximum photometric performance but can produce a mirror image effect of the interior space.

Comfort clear

Semi-specular finish that softens the light at the source of the reflector and creates a subtle, even luminance from the reflector cone.

Comfort clear diffuse

Slightly diffuse clear finish, which eliminates iridescence and reduces the mirror image effect inherent with a specular finish.

White

Brightest aperture when illuminated and provides the smoothest transition to most ceilings when off (white is only available with a white flange).

Black

Specular finish that provides the lowest aperture brightness possible and reduces source identification in a ceiling significantly (black is only available with a black flange).

P6R LyteProfile 6"

Round Downlight & Lensed Wall Wash

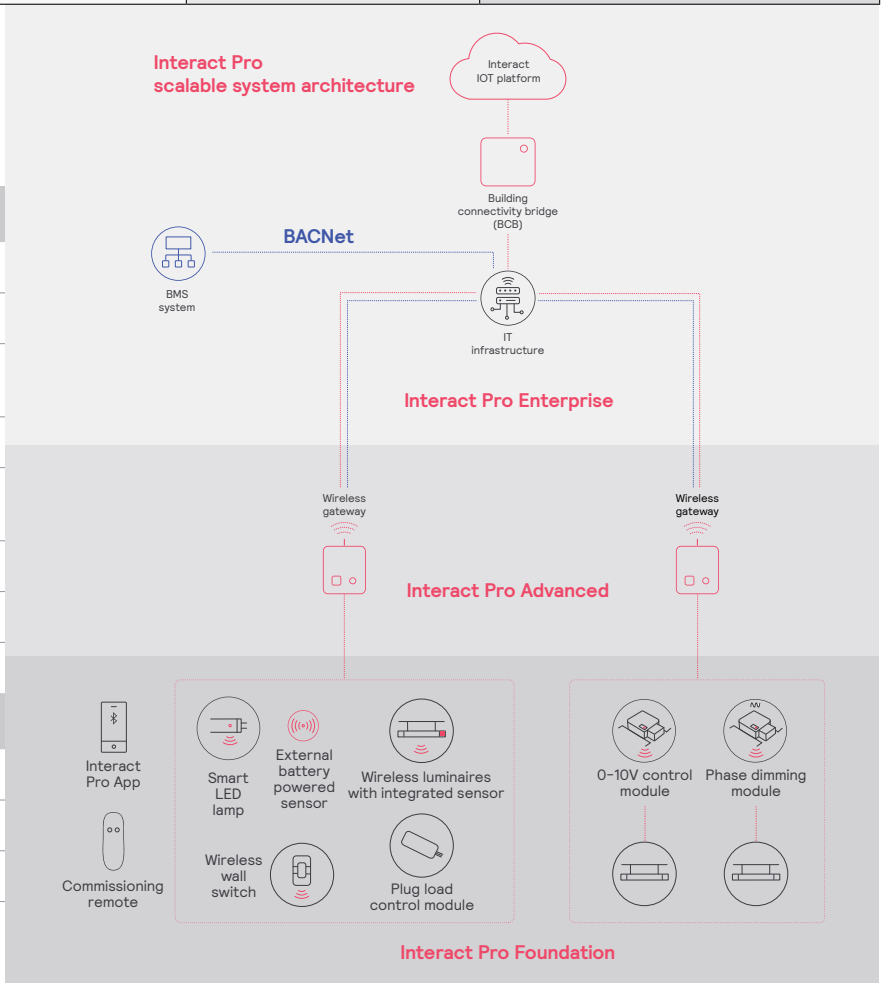
interact

	Interact Pro scalable system		
	Foundation	Advanced	Enterprise
Dimming, grouping, and zoning	✓	✓	✓
Bluetooth and ZigBee enabled	✓	✓	✓
Motion sensing and daylight harvesting	✓	✓	✓
Integration with 0–10V and phase dimming fixtures	✓	✓	✓
Code compliance	✓	✓	✓
Granular dimming and dwell time	✓	✓	✓
Energy reporting and monitoring		✓	✓
Scheduling		✓	✓
Demand response		✓	✓
BMS integration (BACnet)			✓
Floor plan visualization			✓
IoT sensors for wellness			✓
IoT Apps for productivity			✓

Currently supported maximum system size

To be able to design the lighting system correctly for the customer, it is important to know the prime characteristics of the system, its possibilities and limitations.

System level	
Total number of gateways	Unlimited
Total number of devices	200 per network
• luminaires with integrated sensors	150
• smart TLEDS	150
Total number of ZGP devices (sensors and switches)	50
• sensors	30
• switches	50
• zones and groups	64
Group level	
Recommended number of lights	40 (recommended 25)
Number of ZGP devices	5
Number of scenes	16



P6R LyteProfile 6"

Round Downlight & Lensed Wall Wash

Wireless Controls Options

Interact Pro scalable sensor (System Bridge Accessory with -CS option):

- CS is a connected sensor with integral occupancy and daylight sensing and supports wireless mesh connectivity.
- The sensor works in the Foundation mode (similar to SpaceWise) when configured without a gateway or in an Interact Pro Advanced or Enterprise mode if a compatible gateway is used.
- Interact Pro includes an App, a portal and a broad portfolio of wireless luminaires, lamps and retrofit kits all working on the same system.
- Startup is implemented via Interact Pro App (Android or iPhone) & BlueTooth connectivity. The App provides flexibility to choose between a gateway or non gateway mode for setup.
- Setup with the gateway requires wired internet access to the gateway. It is possible to add a gateway at a later point.
- Prepare project configuration steps remotely and use IRT9015 remote onsite to identify and group devices together.
- Compatible with:
  - UID8451/10 wireless dimmer switch
  - SWS200 wireless scene switch
  - Battery powered IP42 presence sensor OCC sensor IA CM WH 10/1
  - Battery powered IP42 presence & daylight sensor OCC-DL sensor IA CM IP42 WH
  - Battery powered IP65 presence sensor OCC sensor IA CM IP65 WH
  - Battery powered IP65 presence & daylight sensor OCC-DL sensor IA CM IP65 WH
- For more information on Interact Pro visit: www.interact-lighting.com/interactproscalablesystem.

Interact Pro Enterprise (System Bridge Accessory with -SB option):

- A wireless IoT connected lighting solution for large enterprises that span across multiple floors, buildings and require multiple gateways.
- View all your projects under one dashboard and easily compare insights from multiple projects in one view.
- Compatible with UID8451/10 wireless dimmer switch, SWS200 wireless scene switch, wireless Occ sensor (OCC SENSOR IA CM IP42 WH 10/1) and wireless Day/Occ sensor (OCC MULTI SENSOR IA CM WH 10/1) and wireless Occupancy or Daylight & Occupancy sensors available.
- Use Interact software and insights to increase building efficiency, achieve building wide integration and optimize space through occupancy analytics.
- SB option in addition to occupancy and daylight sensing supports advanced IoT capabilities such as people estimation analysis, desk level temperature & humidity sensing, noise classification, and BLE beacon.
- Requires compatible Gateway and internet connectivity for commissioning.
- For more information, visit: www.interact-lighting.com/office or www.usa.lighting.philips.com/systems/system-areas/offices.

Emergency Options (ER100) (System Bridge Accessory with -ER100 option):

- Power Sensing (Factory default) – Recommended UL924 option requires unswitched power sense line, absence of voltage on the normal circuit triggers luminaire to 100% output
- Power Interruption Detection (Field option) – Detects AC power interruption >30ms triggers 90 minute emergency mode with luminaire at 100% output

Radio only sensor (RADIO):

- Integral RADIO only sensor simply enables wireless mesh connectivity to the luminaire without any occupancy or daylight sensing.
- Ideal for applications where sensing functionality is managed by other Interact devices and the luminaire only needs to have wireless connectivity.

Wired Controls Options

Interact Office Wired (PoE):

- PoE based IoT connected lighting solution for large enterprises that span across multiple floors, buildings and require multiple gateways.
- Use Interact Office software and insights to increase building efficiency, achieve building wide integration and optimize space through occupancy analytics.
- Supports advanced IoT Apps on Personal Control, Space Management, wayfinding, room/desk reservation and offers open APIs for light control and data exchange.
- PoE lighting controller is accessible from below.
- Integral sensor option for occupancy sensing (PIR) and/or daylight harvesting available for additional energy savings.
- Optional integral emergency controller and battery pack provides 600lm nominal output.
- Test switch and indicator light mounted on side of chassis on one end.
- Emergency battery has a 3 month pre-installed shelf life, and must be stored and installed in environments of 20C to 30C (-4F to 86F) ambient, and 45-85% relative humidity.
- For more information on Interact Office Wired, visit: www.interact-lighting.com/office or www.usa.lighting.philips.com/systems/system-areas/offices.

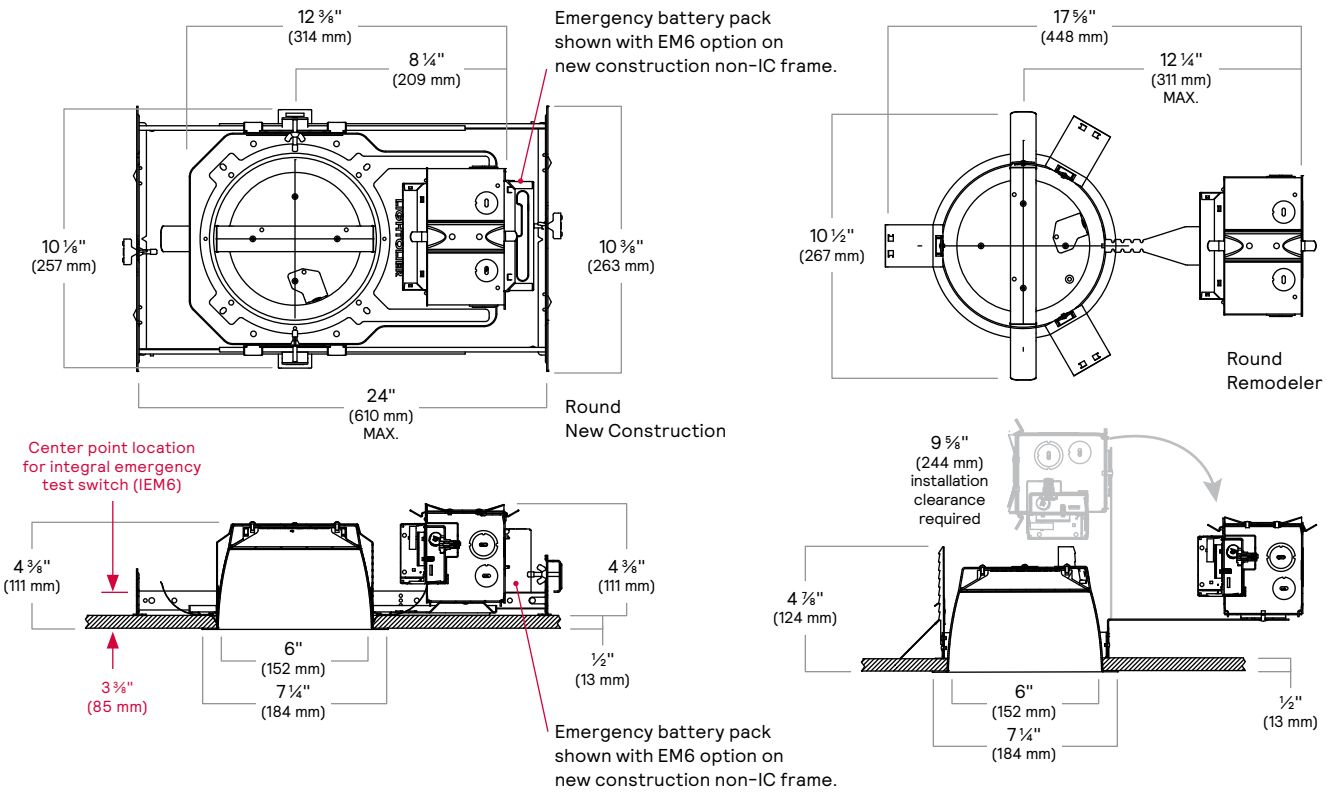
Interact Office Wired (PoE), Static White:

- A wireless IoT connected lighting solution for large enterprises that span across multiple floors, buildings and require multiple gateways.
- View all your projects under one dashboard and easily compare insights from multiple projects in one view.
- Compatible Zigbee Green Power wall dimmer and wireless Occupancy or Daylight & Occupancy sensors available.
- Use Interact Office software and insights to increase building efficiency, achieve building wide integration and optimize space through occupancy analytics.
- Supports advanced IoT Apps on wayfinding, room/desk reservation and offers open APIs
- Requires compatible Interact Office Gateway and internet connectivity for commissioning.
- For more information on Interact Office Wireless, visit: www.interact-lighting.com/office or www.usa.lighting.philips.com/systems/system-areas/offices.

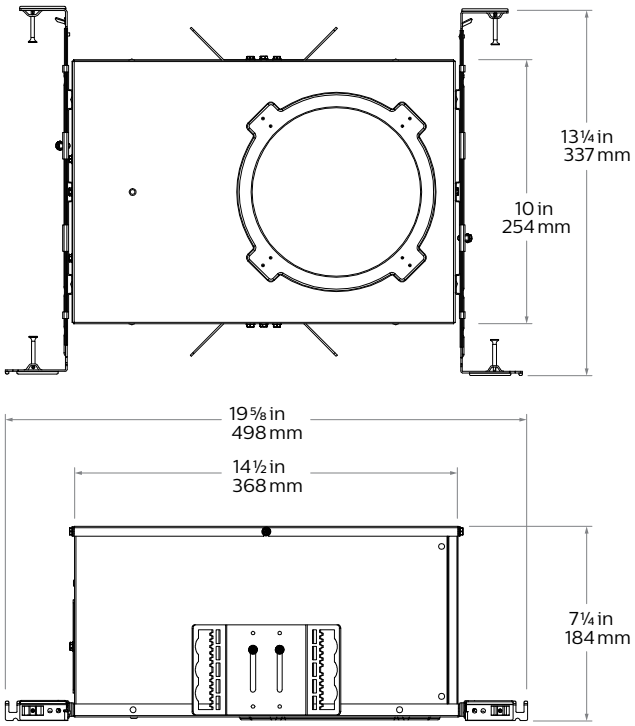
P6R LyteProfile 6"

Round Downlight & Lensed Wall Wash

Dimensions



AirSeal (A)



Electrical

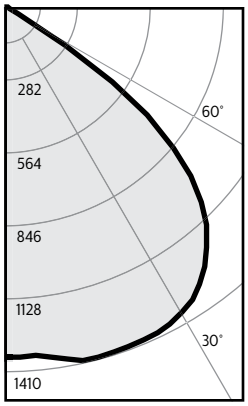
Product	Input Volts	Input Frequency	Input Current (A)	Input Power (W)
P6*10*Z10U/3	120	50/60Hz	0.083	10
	277		0.038	10
P6*15*Z10U/3	120	50/60Hz	0.125	15
	277		0.061	15
P6*20*Z10U/3	120	50/60Hz	0.17	21
	277		0.078	21
P6*25*Z10U/3	120	50/60Hz	0.21	25
	277		0.096	26
P6*30*Z10U/3	120	50/60Hz	0.27	32
	277		0.12	33
P6*35*Z10U/3	120	50/60Hz	0.32	38
	277		0.14	37
P6*10*LU	120	50/60Hz	0.093	10
	277		0.046	10
P6*15*LU	120	50/60Hz	0.13	15
	277		0.07	15
P6*20*LU	120	50/60Hz	0.175	20
	277		0.085	21
P6*25*LU	120	50/60Hz	0.21	25
	277		0.099	25
P6*30*LU	120	50/60Hz	0.274	31
	277		0.122	31
P6*35*LU	120	50/60Hz	0.32	36
	277		0.14	37

P6R LyteProfile 6"

Round Downlight & Lensed Wall Wash

P6RDL30835CLZ10U • 30W LED, 80CRI, 3500K

Candela Curves



Angle	Mean CP	Lumens
0	1361	
5	1362	131
10	1391	
15	1408	398
20	1403	
25	1397	644
30	1372	
35	1316	820
40	1218	
45	1073	816
50	852	
55	506	428
60	60	
65	12	17
70	6	
75	3	4
80	2	
85	1	1
90	0	

Report[1]: 1552GFR

Output lumens:	3258 lms	Efficacy:	107.5 lm/w
Spacing Criterion:	1.5	CCT[3]:	3500K
Beam Angle:	101°	CRI:	80 min
Input Watts[2]:	30.3 W		

Single unit data

Height to Lighted Plane	Initial center beam foot-candles	Beam dia. (ft)*
5'	54	7.5'
6'	38	9.0'
7'	28	10.5'
8'	21	12.0'
9'	17	13.5'

* Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data - RCR 2

Spacing on center	Initial center beam foot-candles	Watts per sq.ft.
5'	141.2	1.34
6'	92.7	0.88
7'	66.2	0.63
8'	55.2	0.52
9'	44.1	0.42

38'x38'x10' Room, Workplane 2.5' above floor, 80/50/20% Reflectances

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method - Effective floor reflectance = 20%										
0	119	119	119	119	116	116	111	111	106	106	100
1	112	108	105	102	106	101	102	98	98	95	90
2	104	98	93	88	96	87	93	85	90	83	80
3	97	88	82	77	87	76	84	75	81	73	70
4	90	80	72	67	78	66	76	66	74	65	62
5	83	72	64	59	71	58	69	58	67	57	55
6	77	65	58	52	65	52	63	51	61	51	49
7	72	60	52	46	59	46	57	46	56	46	44
8	67	55	47	42	54	41	53	41	51	41	39
9	62	50	43	38	50	37	48	37	47	37	35
10	58	46	39	34	46	34	45	34	44	34	32

Room Cavity Ratio

Zonal lumens & percentages

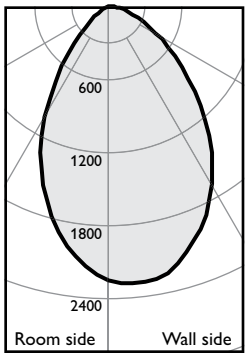
Zone	Lumens	%Luminaire
0-30	1173.33	36.0%
0-40	1993.21	61.2%
0-60	3236.94	99.3%
0-90	3258.47	100.0%

CRI and CCT adjustment factors

90 CRI 2700K	= 84%
80 CRI 2700K	= 100%
80 CRI 3000K	= 100%
80 CRI 3500K	= 105%
80 CRI 4000K	= 109%

P6RLW30835CLPZ10U • 30W LED, 80CRI, 3500K

Candela Curve



Report[1]: 1560GFR

Efficacy:	104.6 lm/w
Output lumens:	3177 lms
Input watts[2]:	30.3 W
CRI:	80 min
CCT[3]:	3500K

Multiple unit data
Footcandles on wall

Distance from ceiling in feet	2' from wall	3' on ctr.	
1	74	48	74
2	111	91	111
3	96	90	96
4	74	72	74
5	56	56	56
6	43	44	43
7	35	35	35
8	29	29	29
9	24	24	24
10	21	21	21
12	17	17	17
14	15	15	15

Multiple unit data
Footcandles on wall

Distance from ceiling in feet	3' from wall	3' on ctr.	
1	28	25	28
2	56	54	56
3	69	67	69
4	67	67	67
5	59	59	59
6	50	50	50
7	42	42	42
8	36	36	36
9	31	31	31
10	27	27	27
12	21	21	21
14	18	18	18

Multiple unit data
Footcandles on wall

Distance from ceiling in feet	3' from wall	4' on ctr.	
1	24	18	24
2	46	38	46
3	55	49	55
4	52	49	52
5	46	45	46
6	38	38	38
7	33	33	33
8	28	28	28
9	24	24	24
10	21	21	21
12	17	17	17
14	14	15	14

1. Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.
2. Wattage: controlled to within 5%
3. Correlated Color Temperature: within specs as defined in ANSI_NEMA_ANSLG C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.

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Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALR-050-CL

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Recessed Fixture
Item Type	Recessed Downlight
Description	ML Downlight Recessed Wall Wash
Manufacturer	Cooper Lighting/Halo
Model	H550ICAT/ML5609930/595W W
Dimensions	5.5" W x 10.5"L x 7"H
CSI #	265000 - Lighting Fixture
Omniclass #	22-265000 Lighting Fixture
Lamp Type	LED
Trim	White
Lamp Kelvin	3000K
Reflector	Specular Clear Wall Wash & Kick Reflector
Voltage	120-277V
Mount	Recessed
On Dimming System	No
Delivered Lumens (LED) or Mean Lumens (Non-LED)	942
Lamp CRI	90+
Warranty	Five year limited warranty
Notes	Efficacy:61.7 Fixture Input (Max. Watts): 13.4

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 2

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Lobby
Welcome Desk
Buffet
Breakfast
In-A-Pinch

HALO

Description

The H550ICAT is a dedicated LED new construction housing to be used with compatible Halo LED modules and trims. The H550ICAT is designed for insulated ceilings and can be in direct contact with ceiling insulation*. This Air-Tite housing design restricts airflow between conditioned spaces and unconditioned areas. The H550ICAT connector system provides high efficacy code compliance when used with a compatible Halo LED lighting systems.

Catalog #	H550ICAT/ML5609930/595WW	Type
Project		ALR-50-CL
Comments		Date
Prepared by	Kathleen Kenny National Accounts Ph/Cell: 678-447-5208 Kathleen.kenny@cooperlighting.com	

Specification Features

Housing
- Single wall aluminum housing
- Designed for insulated ceilings in direct contact with insulation* (May also be installed in non-insulated ceilings)
- Overspray protector included

Plaster Frame
- Galvanized steel die-formed construction
- Housing adjusts in plaster frame to accommodate up to 1-3/8" ceiling thickness
- Plaster frame features include:
  - Patented regressed locking screw positioned for securing hanger bars from below the ceiling
  - Cutouts for easily crimping hanger bars in position
  - Air-Tite™ aperture gasket is pre-installed
  - Halo identity embossed on plaster frame

Got Nail!™ Bar Hanger Bracket
Bar Hanger Features include:
- Pre-installed nail easily installs installs in regular lumber, engineered lumber and laminated beams
- Safety and guidance system prevents snagging, ensures smooth straight nail penetration and allows bar hangers to be easily removed if necessary
- Automatic leveling flange aligns the housing and lets you hold the housing in place with one hand while driving nails
- Five additional mounting points
- Mounting point on top for hanger wire connection
- Integral T-bar clips snaps onto T-bars - no additional clips required

q-Channel bars with Pass-N-Thru™
- q-Channel bars feature an unique inverted "q" interlocking channel for rigidity and stability
- Pass-N-Thru™ feature allows bars to cross-over for tool-less shortening in tight spaces less than 12" without removing from the plaster frame. Push bars together and flex at score hole break points
- Housing can be positioned at any point within 24" joist span
- Bar hangers may be repositioned 90° on the frame

Slide-N-Side™ Junction Box
Junction box features include:
- Slide-N-Side™ connectors allow non-metallic sheathed cable for both U.S. and Canada to be installed without tools and without removing knockouts
  - Allows wiring connections to be made outside the junction box
  - Simply insert the cable directly into the trap after connections are made
  - accommodates the following standard non-metallic sheathed cable types: (US) #14/2 , #14/3, #12/2, #12/3 (Canada) #14/2, #14/3, #12/2
- Positioned to accommodate straight conduit runs
- Seven 1/2" trade size conduit knockouts with true pry-out slots
- cULus Listed 26 in3 box volume
- Listed for through branch (8) No. 12 AWG branch circuit 90° C conductors through the box

Quick Connect™
- Three 4-port push-in "Quick Connect" wire nuts included in junction box
- Speed installation and increase reliability
- No additional wire nuts required
- Simply strip and insert supply wires

LED Module Connection
- Halo LED modules install with a plug-in 120V/277V rated line voltage wiring connector (UL and CSA Listed luminaire disconnect)
- This non-screw base connection preserves the high efficacy rating and prevents use of low efficacy sources (see LED module specifications)
- LED connection is rated for 120V and 277V input. Installer must verify LED module voltage is compatible with the applicable voltage input. If uncertain, consult a qualified electrician.

Compliance
- cULus Listed 1598 luminaire
- cULus Listed for feed through
- cULus Listed for damp location
- cULus Listed for wet location, covered ceiling, with select trims
- cULus Listed for direct contact with insulation and combustible material*
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential.
- Rated for 20W maximum
- Use with designated HALO LED systems for ENERGY STAR® certification
- Can be used for State of California Title 24 high efficacy compliance with Title 20 Certified when used with designted Halo LED modules and trims
- Can be used for International Energy Conservation Code (IECC) high efficacy compliance with designated Halo LED modules and trims
- Refer to LED Product specification sheets online for additional compliance information
- RoHS compliant

*Not to be used in direct contact with spray foam insulation (Consult NEMA LSD57-2013)

Can be used for IECC International Energy Conservation Code High Efficacy Compliance

T24 Can be used to comply with California Title 24 High Efficacy requirements

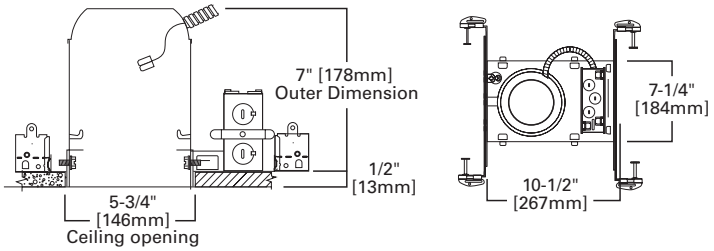
T20 Certified to California Title 20 Appliance Database

RoHS Compliant

c UL us LISTED

air tight

Dimensions



H550ICAT

5" IC, New Construction, LED Housing

FOR USE IN INSULATED CEILINGS

FOR DIRECT CONTACT WITH INSULATION*

Special Features
Got Nail!™ bar hangers
q-Channel bars with Pass-N-Thru™
Slide-N-Side™ junction box
Quick Connect™ push wire nuts
Air-Tite™ code compliant

COOPER Lighting Solutions

Ordering Information

Sample Number: H550ICAT - ML5606930 - 593WB
Order housing, LED module, and trim separately.

Housing

H550ICAT = 5" IC, Air-Tite, New Construction, LED Housing

ML56 with 59x Series Trims

ML56 LED Light Modules

600 Series / 80 CRI
ML5606827= 5"/6" LED Retrofit Downlight Light Module, 600 lumen, 80CRI, 2700K
ML5606830= 5"/6" LED Retrofit Downlight Light Module, 600 lumen, 80CRI, 3000K
ML5606835= 5"/6" LED Retrofit Downlight Light Module, 600 lumen, 80CRI, 3500K
ML5606840= 5"/6" LED Retrofit Downlight Light Module, 600 lumen, 80CRI, 4000K

600 Series / 90 CRI
ML5606927= 5"/6" LED Retrofit Downlight Light Module, 600 lumen, 90CRI, 2700K
ML5606930= 5"/6" LED Retrofit Downlight Light Module, 600 lumen, 90CRI, 3000K
ML5606935= 5"/6" LED Retrofit Downlight Light Module, 600 lumen, 90CRI, 3500K
ML5606940= 5"/6" LED Retrofit Downlight Light Module, 600 lumen, 90CRI, 4000K

900 Series / 80 CRI
ML5609827= 5"/6" LED Retrofit Downlight Light Module, 900 lumen, 80CRI, 2700K
ML5609830= 5"/6" LED Retrofit Downlight Light Module, 900 lumen, 80CRI, 3000K
ML5609835= 5"/6" LED Retrofit Downlight Light Module, 900 lumen, 80CRI, 3500K
ML5609840= 5"/6" LED Retrofit Downlight Light Module, 900 lumen, 80CRI, 4000K

900 Series / 90 CRI
ML5609927= 5"/6" LED Retrofit Downlight Light Module, 900 lumen, 90CRI, 2700K
ML5609930= 5"/6" LED Retrofit Downlight Light Module, 900 lumen, 90CRI, 3000K
ML5609935= 5"/6" LED Retrofit Downlight Light Module, 900 lumen, 90CRI, 3500K
ML5609940= 5"/6" LED Retrofit Downlight Light Module, 900 lumen, 90CRI, 4000K

1200 Series / 80 CRI
ML5612827= 5"/6" LED Light Module, 1200 lumen, 80CRI, 2700K
ML5612830= 5"/6" LED Light Module, 1200 lumen, 80CRI, 3000K
ML5612835= 5"/6" LED Light Module, 1200 lumen, 80CRI, 3500K
ML5612840= 5"/6" LED Light Module, 1200 lumen, 80CRI, 4000K

1200 Series / 90 CRI
ML5612927= 5"/6" LED Light Module, 1200 lumen, 90CRI, 2700K
ML5612930= 5"/6" LED Light Module, 1200 lumen, 90CRI, 3000K
ML5612935= 5"/6" LED Light Module, 1200 lumen, 90CRI, 3500K
ML5612940= 5"/6" LED Light Module, 1200 lumen, 90CRI, 4000K

ML56 LED 5" Trims

590 Series - 5" LED Trims
591WB=5" LED Trim, Polymer "Dead-Front", Shallow White Baffle & Flange – Shallow and Standard housings (For use with 600 Series LED Light Modules only)

Reflectors
592SC=5" LED Trim, Specular Reflector & White Flange
592H=5" LED Trim, Haze Reflector & White Flange
592W=5" LED Trim, White Reflector & Flange

Baffles
593WB=5" LED Trim, White Micro-Step Baffle & Flange
593BB=5" LED Trim, Black Micro-Step Baffle & White Flange
593SNB=5" LED Trim, Satin Nickel Micro-Step Baffle & Flange
593TBZB=5" LED Trim, Tuscan Bronze Micro-Step Baffle & Flange

Semi-Regressed Eyeballs
594WB=5" LED Directional Trim, White Eyeball, Baffle & Flange – Shallow and Standard Housings
594SNB=5" LED Directional Trim, Satin Nickel Eyeball, Baffle & Flange – Shallow and Standard Housings
594TBZB=5" LED Directional Trim, Tuscan Bronze Eyeball, Baffle & Flange – Shallow and Standard Housings

Wall Wash
595WW=5" LED Trim, Wall Wash - Specular Reflector, Repositionable Specular Kick Reflector, White Flange

Shallow Baffle
596WB=5" LED Trim, White Shallow Baffle & Flange – Shallow and Standard Housings

ML56 System Accessories

TRM590WH= 5" LED Oversize Trim Ring for use with ML56LED 59* series trims, White 6.3" I.D., 7.5" O.D. Ring slips over LED trim. Inset design allows 5" trim to fit into oversize ring for an even trim surface

WW595SC= 5" Wall wash insert - Kick reflector for 595WW (1-included with trim) double or corner wall wash

ML56 Beam Forming Optic / Media

1200 Series Accessories***
BFR56NFL=Beam forming reflector kit, narrow flood, 25°nominal
BFR56MH=Media holder, accepts one 3.45" lens. Requires BFR56NFL & L345SF, order separately.
L345SF=3.45" diameter soft focus lens. Requires BFR56NFL & BFR56MH, order separately.

***Beam forming optics/media not recmmended for use with ML5612D2W930 LED module.

Ordering Information

The H550ICAT housing may also be used with Halo LED Modules and Surface LED Series.
LED Modules:
Compatible LED Series
RA56
RL56
LT56
SLD6

For details and ordering information refer to LED product specifications at www.cooperlighting.com

Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

Specifications and dimensions subject to change without notice.

HALO

Description

The Halo ML56 LED Downlighting System is a series of modular LED Modules for use with designated 5" or 6" ML56 LED trims in new construction, remodel and retrofit installation. Compatible with Halo 5" H550 and 6" H750, H2750 Series LED housings. And in retrofit of existing housings the ML56 Series fits 5" or 6" Halo and others. ML56 Modules are offered in 600 Series, 900 Series, and 1200 Series, 90CRI, and four color temperatures 2700K, 3000K, 3500K, 4000K. ML56 Modules are universal voltage 120V – 277V and dimmable at 120V. The ML56 lens provides uniform diffuse illumination standard.

Catalog #	H550ICAT/ML5609930/595WW	Type
Project		ALR-050-CL
Comments		Date
Prepared by	Kathleen Kenny National Accounts Ph/Cell: 678-447-5208 Kathleen.kenny@cooperlighting.com	

Specification Features

Mechanical

Light Module
- Module includes LED package, LED driver, heat sink, and lens
- Durable die-cast aluminum construction.
- Heat sink designed to conduct heat away from the LED keeping the junction temperatures below specified maximums, including insulated ceiling environments

Lens
- Impact-resistant polycarbonate
- Convex form for lamp-like appearance
- High lumen transmission
- Diffusing for even illumination

Mounting
- Modules attach to reflector and baffle trims via locking tabs, and attach to eyeballs via keyed twist-to-lock mating bosses
- The complete module and trim assembly installs into housings with precision formed torsion springs located on the trim
- Friction Blade mounting is an alternate option using the accessory 6" Friction Blade Kit model ML56CLIP (order separately). Friction blades provide alternative to torsion springs for retrofit in 6" housings without torsion mounting tabs. ML56CLIP is compatible with 6" baffle and reflector trims only (691, 692, 693, 695, 696 series). For eyeball trim (694 series) use ML7RAB retrofit adapter band.

Housing Compatibility

A complete ML56 system includes a LED Module, LED trim, and a compatible housing (new construction, remodel, or existing retrofit). Housing compatibility in the ML56 System is determined by the ML56 trim dimensions. ML56 trims are available in 5" and 6" aperture (5" = 59xx series and 6" = 69xx series trims). Refer to Housing – Trim Section in this document.

LED
- 900 Series = 900 design lumens typical.
- Delivered lumens vary depending upon 5" or 6", color temperature, and trim finish.
- Color Temperature options: 2700K, 3000K, 3500K, 4000K
- CRI: 90, R9>50
- L70 at 50,000 hours, projected in accordance with IES TM-21
- LED is a chip on board design consisting of a multiple LED package to create one virtual light source for a productive "cone of light"

Color Specification & Quality Standards
- A tight chromaticity specification to ensures LED color uniformity, sustainable Color Rendering Index (CRI) and Correlated Color Temperature (CCT) over the useful life of the LED
- LED color uniformity of 3 SDCM exceeds ENERGY STAR® color standards per ANSI C78.377- 2008.
- High color performance with 90CRI minimum, and R9 greater than 50.
- Every Halo LED Module is quality tested and performance measured, and then serialized in a permanent record to register lumens, wattage, CRI and CCT.
- Halo LED serialized testing and measurement process ensures color and lumen consistency on a per-unit basis, and validates long-term product consistency over time
- Halo ML56 LED Modules include lumen, CRI, and CCT designations in the model number Example: **ML5609930**
  56 = 5" / 6" aperture series
  09 = 900 lumen series
  9 = >90 CRI
  30 = 3000K nominal CCT

Electrical Power Connections
- LED connector is a non-screw base luminaire disconnect offering easy installation with the matching Halo 5" H550 series and 6" H750 and H2750 series housings (housing selected depends upon LED trim 5" or 6").
- LED Connector meets high-efficacy luminaire requirement for a non-screw base, and where required.
- The included E26 medium screw-base

  Edison adapter* provides easy retrofit of incandescent housings (see Housing Section).

Ground Connection

Separate grounding cable included on the module for attachment to the housing during installation.

LED Driver
- Driver is universal voltage 120V-277V, and may be controlled from a switch in this range of main inputs (switchable at 120V, 220V, 230V, 240V, and 277V)
- Driver is dimmable at 120V operation when connected to a compatible dimmer.
- Driver is a high efficiency, electronic power supply providing DC power to the LED.
- Driver meets FCC EMI/RFI Consumer Level limits on 120V main inputs, and is compliant for use in residential and commercial installations.
- Driver features high power factor, low THD, and has integral thermal protection in the event of over temperature or internal failure.
- Driver is replaceable, if replacement should be required.

Dimming

Designed for dimming capability to nominal 5% in normal operation with standard 120V Leading Edge (LE) and Trailing Edge (TE) phase control dimmers (Consult dimmer manufacturer for dimmer compatibility and details. Note, some dimmers require a neutral in the wallbox.)

Warranty

Cooper Lighting Solutions provides a (5) five year limited warranty on the Halo ML56 LED Module.

LED Module in New or Retrofit Existing Construction – Housings other than Halo
- If used in recessed housings other than Halo the Cooper Lighting Solutions 5-year limited warranty applies to the LED Module and Trim only.
- As with any electrical installation, a qualified electrician must ensure compatibility of use with a particular housing; this includes all applicable national and local electrical and building codes. Installer is responsible to properly and securely retain the LED Module and LED Trim in the housing at time of installation.

D2W™

ML56 LED System

900 Series / 90 CRI

ML5609927
ML5609930
ML5609935
ML5609940

5-Inch and 6-Inch 900 Lumen LED Module for New Construction, Remodel and Retrofit

For use with 59x and 69x Series Trims

FOR USE IN INSULATED CEILING AND NON-INSULATED CEILING RATED HOUSINGS

HIGH EFFICACY LED WITH INTEGRAL DRIVER - DIMMABLE

Energy Data
ML56 900/90 Series
(Values at non-dimming line voltage)
Minimum Starting Temp: -30°C (-22°F)
EMI/RFI: FCC Title 47 CFR, Part 15, (Consumer)
Sound Rating: Class A
Input Voltage: UNV 120V-277V
Power Factor: >0.95 @ 120V and >0.9 @277V
Input Frequency: 50/60Hz
THD: <20%
Input Power: 9.4W
Input Current at 120V: 0.15A
Input Current at 277V: 0.08A
Driver Compliance: UL8750, Class II rated
Maximum IC (Insulated Ceiling) Ambient Continuous Operating Temperature: 25°C (77°F)
Maximum Non-IC Ambient Continuous Operating Temperature: 40°C (104°F)

ML5609927
5" or 6" LED 900 Series

ML5609930
5" or 6" LED 900 Series

ML5609935
5" or 6" LED 900 Series

ML5609940
5" or 6" LED 900 Series

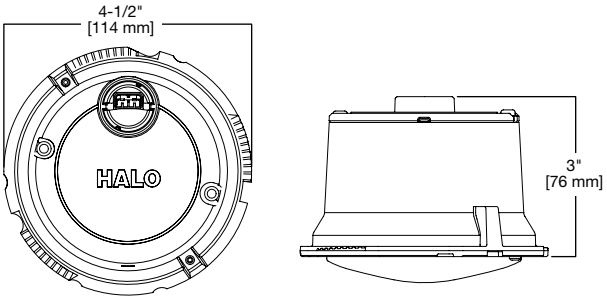
Compliance

- cULus listed 1598 Luminaire (Halo housings)
- UL Classified when used in retrofit (refer to housing section)
- cULus listed for damp locations
- cULus Wet location listed with baffle and reflector trims only
- Airtight certified per ASTM E283 (not exceeding 2.0 CFM under 57 Pascals pressure difference)
- IP66 ingress protection rated with baffle and reflector trims only
- RoHS compliant
- May be used in IC (insulated ceiling) housings in direct contact with insulation* and combustible material
- Can be used for California Title 24 compliance
- Can be used for International Energy Conservation Code (IECC) high efficiency luminaire compliance.
- Can be used for Washington State Energy Code compliance
- ENERGY STAR® certified luminaire - consult ENERGY STAR® Certified product list
- EMI/RFI per FCC 47CFR Part 15 Class B Consumer limits (commercial and residential compliant)
- Photometric testing in accordance with IES LM-79
- Lumen maintenance projections in accordance with IES LM-80 and TM-21
- CE Mark - "Conformité Européene" conformity with the Council of European Communities Directives, meeting internationally recognized compliance when used with Halo H550, H750, and H2750 Series LED housings only

* Not for use with housings in direct contact with spray foam insulation.

Refer to ENERGY STAR® Qualified Products List.
Can be used to comply with California Title 24 High Efficacy requirements.

Dimensions



Ordering Information

Sample Number: **ML5609930 593WB**
Order LED Module and trim separately.
A complete system also includes a compatible housing (new construction, remodel, or existing retrofit). Housing aperture size in the ML56 System is determined by the ML56 trim dimensions.
ML56 trims are available in 5" and 6" aperture (5" = 59xx series and 6" = 69xx series trims). Refer to Housing Section in this document.

ML56 LED Modules 900 Series / 90 CRI

ML5609927= 5"/6" LED module, 900 lumen, 90CRI, 2700K
ML5609930= 5"/6" LED module, 900 lumen, 90CRI, 3000K
ML5609935= 5"/6" LED module, 900 lumen, 90CRI, 3500K
ML5609940= 5"/6" LED module, 900 lumen, 90CRI, 4000K
ML5609D2W930= 5"/6" dim-to-warm LED module, 900 lumen, 90CRI, 1850K

California non-E26 modules[1]

ML5609927-CA= 5/6" LED module, 900 lumen, 90CRI, 2700K, California non-E26
ML5609930-CA= 5/6" LED module,900 lumen, 90CRI, 3000K, California non-E26
ML5609935-CA= 5/6" LED module, 900 lumen, 90CRI, 3500K, California non-E26
ML5609940-CA= 5/6" LED module, 900 lumen, 90CRI, 4000K, California non-E26

ML56 LED 5" and 6" Trims

590 Series - 5" LED Trims

591WB=5" LED trim, polymer "dead-front", shallow white baffle & flange – shallow and standard housings (For use with 600 Series LED light modules only)
592SC=5" LED trim, specular reflector & white flange
592H=5" LED trim, haze reflector & white flange
592W=5" LED trim, white reflector & flange
593WB=5" LED trim, white micro-step baffle & flange
593BB=5" LED trim, black micro-step baffle & white flange
593SNB=5" LED trim, satin nickel micro-step baffle & flange
593TBZB=5" LED trim, tuscan bronze micro-step baffle & flange
594WB=5" LED directional trim, white eyeball, baffle & flange – shallow and standard housings
594SNB=5" LED directional trim, satin nickel eyeball, baffle & flange – shallow and standard housings
594TBZB=5" LED directional trim, tuscan bronze eyeball, baffle & flange – shallow and standard housings
595WW=5" LED trim, wall wash - specular reflector, repositionable specular kick reflector, white flange
596WB=5" LED trim, white shallow baffle & flange – shallow and standard housings

690 Series - 6" LED Trims

691WB=6" LED trim, polymer "dead-front", white shallow baffle & flange – shallow and standard housings (For use with 600 Series LED light modules only)
692SC=6" LED trim, specular reflector & white flange
692H=6" LED trim, haze reflector & white flange
692W=6" LED trim, white reflector & flange
693WB=6" LED trim, white micro-step baffle & flange
693BB=6" LED trim, black micro-step baffle & white flange
693SNB=6" LED trim, satin nickel micro-step baffle & flange
693TBZB=6" LED trim, tuscan bronze micro-step baffle & flange
694WB=6" LED directional trim, white eyeball, baffle & flange – shallow and standard housings
694SNB=6" LED directional trim, satin nickel eyeball, baffle & flange – shallow and standard housings
694TBZB=6" LED directional trim, tuscan bronze eyeball, baffle & flange – shallow and standard housings
695WW=6" LED trim, wall wash - specular reflector, repositionable specular kick reflector, white flange
696WB=6" LED trim, white shallow baffle & flange – for use with shallow and standard housings

ML56 System Accessories

ML56CLIP=Friction clip mounting kit - For retrofitting non-torsion spring housings, 6" clips*
WW595SC=5" Wall wash insert - kick reflector for 595WW (1-included with trim) double or corner wall wash**
WW695SC=6" Wall wash insert - kick reflector for 695WW (1-included with trim) double or corner wall wash**
TRM590WH=5" LED oversize trim ring for use with 59* series trims, white 6.3" I.D., 7.5" O.D. Ring slips over LED trim. Inset design allows 5" trim to fit into oversize ring for an even trim surface
TRM690WH=6" LED oversize trim ring for use with 69* series trims, white 6.9" I.D., 9.5" O.D. Ring slips over LED trim. Inset design allows 6" trim to fit into oversize ring for an even trim surface

*ML56CLIP is compatible with 6" baffle and reflector trims only (691, 692, 693, 695, 696 series).
For eyeball trim (694 series) use ML7RAB retrofit adapter band.

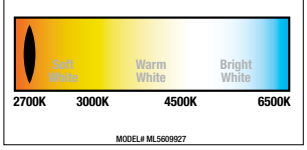
**Wall wash trims 595WW and 695WW feature an exclusive repositionable kick reflector for fine-tuning adjustment of the wall wash effect. The WW595SC and WW695SC are repositionable kick reflectors sold separately for addition to the wall wash trim when a double or corner wall wash is needed, or for replacement of original kick reflector included with the trim.

Notes: 1. California product only.

Lighting Info

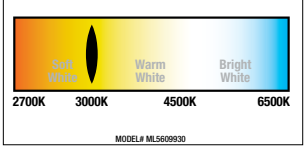
ML5609927

PRODUCT SPECIFICATIONS	
Lumens (Light Output)	890
Watts	9.4
Lumens Per Watt (Efficacy)	95.0
Color Accuracy (CRI)	94
Light Color (CCT)	2700K
Correlated Color Temperature (CCT)	



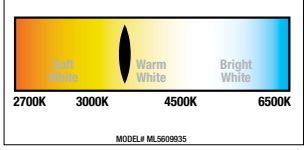
ML5609930

PRODUCT SPECIFICATIONS	
Lumens (Light Output)	953
Watts	9.4
Lumens Per Watt (Efficacy)	101
Color Accuracy (CRI)	94
Light Color (CCT)	3000K
Correlated Color Temperature (CCT)	



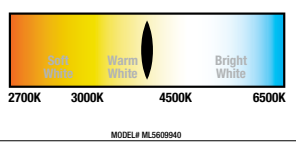
ML5609935

PRODUCT SPECIFICATIONS	
Lumens (Light Output)	1019
Watts	9.3
Lumens Per Watt (Efficacy)	109
Color Accuracy (CRI)	93
Light Color (CCT)	3500K
Correlated Color Temperature (CCT)	



ML5609940

PRODUCT SPECIFICATIONS	
Lumens (Light Output)	1041
Watts	9.4
Lumens Per Watt (Efficacy)	111
Color Accuracy (CRI)	93
Light Color (CCT)	4000K
Correlated Color Temperature (CCT)	



Housing – Trim Compatibility

Housing compatibility in the ML56 System is determined by the ML56 trim dimensions. ML56 trims are available in 5" and 6" aperture (5" = 59xx series and 6" = 69xx series trims). Refer to ML56 TRIMS in this document. (Note "X" in the trim model number denotes finish code.)

Housing – Compatibility

The ML56 LED module - trim combination is cULus Listed or UL Classified for use with any 5" or 6" diameter recessed housing constructed of steel or aluminum with an internal volume that exceeds 115 in^3 in addition to those noted below.

Halo and All-Pro UL Listed Compatibility

6" Trims: 691X, 692X, 693X, 694X, 695X, 696X
(Note shallow housings for use with 691X, 694X, 696X trims only)

HALO - LED Housings with LED Luminaire Connector - High-Efficacy Compliant

Brand	Housing Type	Catalog Number	Description
Halo	**Standard Housings**	H750ICAT	6" LED, Insulated Ceiling, Air-Tite, New Construction Housing
		H750RICAT	6" LED, Insulated Ceiling, Air-Tite, Remodel Housing
		H750T	6" LED, Non-IC, Air-Tite, New Construction Housing
		H750TCP	6" LED, Non-IC, New Construction/Remodel Chicago Plenum Housing
		E750ICAT	6" LED, Insulated Ceiling, Air-Tite, New Construction Housing
		E750RICAT	6" LED, Insulated Ceiling, Air-Tite, Remodel Housing
Halo	**Shallow Housings**	H2750ICAT	6" LED, Shallow, Insulated Ceiling, Air-Tite, New Constr. (use with 691X, 694X, 696X trims only)
		H2750RICAT	6" LED, Shallow, Insulated Ceiling, Air-Tite, Remodel (use with 691X, 694X, 696X trims only)

HALO - Incandescent E26 Screwbase Housings

Brand	Housing Type	Catalog Number	Description
Halo	**Standard Housings**	H7ICAT	6" Insulated Ceiling, Air-Tite New Construction Housing
		H7RICAT	6" Insulated Ceiling, Air-Tite Remodel Housing
		H7ICT	6" Insulated Ceiling, New Construction Housing
		H7RICT	6" Insulated Ceiling, Remodel Housing
		H7ICATNB	6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket
		H7ICTNB	6" Insulated Ceiling, New Construction Housing, No Socket Bracket
		H7T	6" Non-IC, New Construction Housing
		H7RT	6" Non-IC, Remodel Housing
		H7TNB	6" Non-IC, New Construction Housing, No Socket Bracket
		H7TCP	6" Non-IC, Chicago Plenum, New Construction/Remodel Housing
		H7UICAT	6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing
		E7ICAT	6" Insulated Ceiling, Air-Tite New Construction Housing
		E7RICAT	6" Insulated Ceiling, Air-Tite Remodel Housing
		E7ICATNB	6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket
		E7TAT	6" Non-IC, Air-Tite New Construction Housing
		E7RTAT	6" Non-IC, Air-Tite Remodel Housing
		E7TATNB	6" Non-IC, Air-Tite New Construction Housing, No Socket Bracket
Halo	**Shallow Housings**	H27ICAT	6" Shallow, Insulated Ceiling, Air-Tite New Construction (use with 691X, 694X, 696X trims only)
		H27RICAT	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (use with 691X, 694X, 696X trims only)
		H27T	6" Shallow, Non-IC, New Construction Housing (use with 691X, 694X, 696X trims only)
		H27RT	6" Shallow, Non-IC, Remodel Housing (use with 691X, 694X, 696X trims only)
		E27ICAT	6" Shallow, Insulated Ceiling, Air-Tite New Construction (use with 691X, 694X, 696X trims only)
		E27RICAT	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (use with 691X, 694X, 696X trims only)
		E27TAT	6" Shallow, Non-IC, Air-Tite New Construction Housing (use with 691X, 694X, 696X trims only)
		E27RTAT	6" Shallow, Non-IC, Air-Tite Remodel Housing (use with 691X, 694X, 696X trims only)

Halo LED Retrofit Enclosures

Brand	Type	Catalog Number	Description
Halo	**Retrofit**	ML7BXRFK	6" Retrofit Enclosure, Non-IC, BX Whip
		ML7E26RFK	6" Retrofit Enclosure, Non-IC, E26 Screw base Interface

Housing Compatibility - Continued

5" Trims: 591X, 592X, 593X, 594X, 595X, 596X
(Note shallow housings for use with 591X, 594X, 596X trims only)

HALO - LED Housings with LED Luminaire Connector - High-Efficacy Compliant

Brand	Housing Type	Catalog Number	Description
Halo	**Standard Housings**	H550ICAT	5" LED, Insulated Ceiling, Air-Tite, New Construction Housing
		H550RICAT	5" LED, Insulated Ceiling, Air-Tite, Remodel Housing
		E550ICAT	5" LED, Insulated Ceiling, Air-Tite, New Construction Housing
		E550RICAT	5" LED, Insulated Ceiling, Air-Tite, Remodel Housing

HALO - Incandescent E26 Screwbase Housings

Brand	Housing Type	Catalog Number	Description
Halo	**Standard Housings**	H5ICAT	5" Insulated Ceiling, Air-Tite New Construction Housing
		H5RICAT	5" Insulated Ceiling, Air-Tite Remodel Housing
		H5ICATNB	5" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket
		H5T	5" Non-IC, New Construction Housing
		H5RT	5" Non-IC, Remodel Housing
		H5TNB	5" Non-IC, New Construction Housing, No Socket Bracket
		H5TM	5" Non-IC, New Construction Housing (Canada)
Halo	**Shallow Housings**	H25ICAT	5" Shallow, Insulated Ceiling, Air-Tite New Construction (use with 591X, 594X, 596X trims only)
		H25RICAT	5" Shallow, Insulated Ceiling, Air-Tite Remodel (use with 591X, 594X, 596X trims only)
		H25ICATNB	5" Shallow, Insulated Ceiling, Air-Tite New Construction, No Socket Bracket (use with 591X, 594X, 596X trims only)

Housings - UL Classified for Retrofit Compatibility

6" Trims: 691X, 692X, 693X, 694X, 695X, 696X
(Note shallow housings for use with 691X, 694X, 696X trims only)

Brand	Housing Type	Description
Juno	**Standard Housings**	IC22, IC22R, IC22W, IC22S, IC23, IC23W, TC2, TC2R, IC2
	Shallow Housings	IC21, IC21R (use with 691X, 694X, 696X trims only)
Capri	**Standard Housings**	CR1, PR1, QL1
	Shallow Housings	R9ASIC/PS9RM (use with 691X, 694X, 696X trims only)
Elco		HL7ICA (EL7ICA)
Lithonia	**Standard Housings**	LC6, L7X
	Shallow Housings	L7XP (use with 691X, 694X, 696X trims only)
Thomas		PS1
Commercial Electric		C7ICA, H3
Progress	**Standard Housing**	P87-AT †*
	Shallow Housing	P86TG (use with 691X, 694X, 696X trims only)
Lightolier		1104ICS †*, 1104ICR †*

† Requires replacement of torsion springs with Friction Clips. Order Friction Clip Kit separately: ML56CLIP
* ML56CLIP is compatible with only baffle and reflector trims

5" Trims: 591X, 596X

Brand	Housing Type	Catalog Number
Juno	**Standard Housings**	IC20, IC25S, IC25W, TC20

ML56 900 Series Compliance Table

90 CRI LED Modules with ML56 Trims

	ML5609927	ML5609930	ML5609935	ML5609940
593BB	WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC
693BB	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC
593TBZB	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC
693TBZB	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC
593SNB	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC
693SNB	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC
592H	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC
593WB	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC
592W	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC
595WW	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC
592SC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC
692H	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC
695WW	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC
693WB	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC
692SC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC
596WB	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC
692W	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC
594TBZB	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC
694TBZB	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC
594SNB	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC
696WB	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC
694SNB	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC
694WB	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC
594WB	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC
594WB-30	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC
694WB-30	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC	ES, T24, WSEC, IECC

Code Descriptions:

ES = ENERGY STAR® Certified Luminaire

T24 = Can be used to comply with California Title 24 High Efficacy requirements. Certified to California Title 20 Appliance Efficiency Database.

IECC = International Energy Conservation Code "High Efficacy"

WSEC = Washington State Energy Code - "High Efficacy" Luminaire

ML56 900 Series Lumen Table

90 CRI LED Modules with ML56 trims		**ML5609927**		**ML5609930**		**ML5609935**		**ML5609940**	
	Trim Catalog #	**Lumens**	**LPW**	**Lumens**	**LPW**	**Lumens**	**LPW**	**Lumens**	**LPW**
0° Tilt Angle	593BB	560.4	58.1	602.0	63.0	636.3	66.9	660.1	69.3
	693BB	629.0	65.3	675.8	70.7	714.2	75.1	740.9	77.8
	593TBZB	638.6	66.2	686.0	71.8	725.1	76.2	752.2	79.0
	693TBZB	664.0	68.9	713.4	74.6	753.9	79.3	782.1	82.2
	593SNB	704.2	73.0	756.5	79.1	799.6	84.1	829.5	87.1
	693SNB	735.0	76.2	789.7	82.6	834.6	87.8	865.8	90.9
	592H	788.0	81.7	846.6	88.6	894.8	94.1	928.2	97.5
	593WB	825.4	85.6	886.7	92.8	937.2	98.5	972.2	102.1
	592SC	853.2	88.5	916.6	95.9	968.7	101.9	1005.0	105.6
	592W	832.3	86.3	894.2	93.5	945.1	99.4	980.4	103.0
	595WW	852.3	88.4	915.7	95.8	967.8	101.8	1004.0	105.5
	695WW	858.4	89.0	922.2	96.5	974.7	102.5	1011.1	106.2
	692H	856.6	88.9	920.3	96.3	972.7	102.3	1009.1	106.0
	692W	881.8	91.5	947.4	99.1	1001.3	105.3	1038.8	109.1
	692SC	880.7	91.4	946.2	99.0	1000.1	105.2	1037.5	109.0
	693WB	868.8	90.1	933.4	97.6	986.5	103.7	1023.4	107.5
	596WB	881.0	91.4	946.5	99.0	1000.3	105.2	1037.7	109.0
	694TBZB	892.3	92.6	958.6	100.3	1013.1	106.5	1051.0	110.4
	696WB	907.9	94.2	975.4	102.0	1030.9	108.4	1069.5	112.3
	594TBZB	887.9	92.1	953.9	99.8	1008.2	106.0	1045.9	109.9
	694SNB	908.8	94.3	976.3	102.1	1031.9	108.5	1070.5	112.4
	594SNB	892.3	92.6	958.6	100.3	1013.1	106.5	1051.0	110.4
	694WB	946.1	98.1	1016.5	106.3	1074.3	113.0	1114.5	117.1
	594WB	947.6	98.3	1018.1	106.5	1076.0	113.1	1116.3	117.3
30° Tilt Angle	594WB-30	918.3	95.3	986.6	103.2	1042.7	109.6	1081.7	113.6
	694WB-30	892.3	92.6	958.6	100.3	1013.1	106.5	1051.0	110.4

Photometric tests are per IES measurement standards. Tests represent typical fixture performance. Field results may vary.

Photometry 5" Trims • 900 Series • 90 CRI

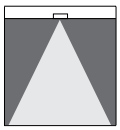
Multiplier Table

CCT Option	2700 K	3000 K	3500 K	4000 K
CCT Multiplier	0.88	1.00	1.04	1.10

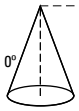
Table based upon testing with 3000°K color temperature, 90CRI.
Multipliers may be used to determine relative lumen values with other color temperatures.

ML5609930-592SC

Test Number	P130008
Light Module	900 Series, 90CRI
Trim	5" Aperture, Specular Clear Trim
Lumens	827
Efficacy	61.7 Lm/W
SC	1.06

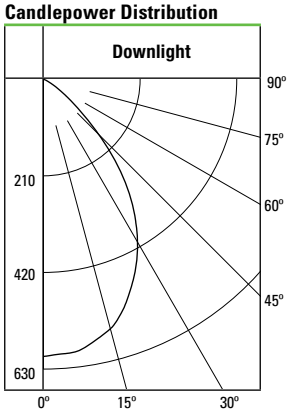


Cone of Light



D	FC	L	W
5.5	19.9	5.8	5.8
7	12.3	7.2	7.2
8	9.4	8.4	8.4
9	7.4	9.4	9.4
10	6	10.4	10.4
12	4.2	12.6	12.6

Candlepower Distribution

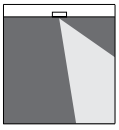


Zonal Lumen Summary

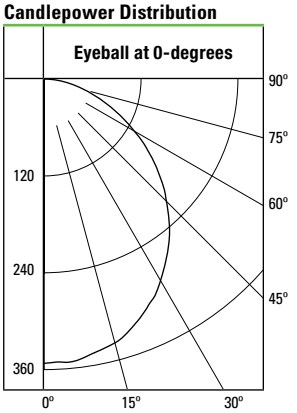
Zone	Lumens	%Fixture
0-30	428	51.8
0-40	639	77.2
0-60	817	98.8
0-90	827	100
90-180	0	0
0-180	827	100

ML5609930-594WB

Test Number	P130064
Light Module	900 Series, 90CRI
Trim	5" Aperture, Directional Eyeball
Lumens	918
Efficacy	68.5 Lm/W
SC	1.22



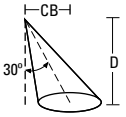
Candlepower Distribution



Zonal Lumen Summary

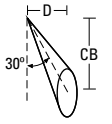
Zone	Lumens	%Fixture
0-30	271	29.5
0-40	437	47.6
0-60	744	81
0-90	918	100
90-180	0	0
0-180	918	100

30° Horizontal Plane



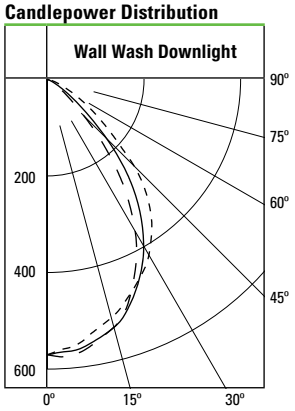
D	FC	L	W	CB
5.5	10.3	6.6	6.6	3.2
7	6.3	8.3	8.6	4
8	4.8	9.6	9.8	4.6
9	3.8	10.7	11	5.2
10	3.1	11.9	12.2	5.8
12	2.2	14.3	14.6	6.9

30° Vertical Plane



D	FC	L	W	CB
1'	200.5	1.1	1.2	1.7
2'	50.1	2.2	2.6	3.5
3'	22.3	3.3	3.8	5.2
4'	12.5	4.5	5.2	6.9
5'	8	5.6	6.6	8.7
6'	5.6	6.7	7.8	10.4

Candlepower Distribution

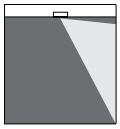


Legend

0-deg:	Wall
90-deg:	Side
180-deg:	Room

ML5609930-595WW

Test Number	P130088
Light Module	900 Series, 90CRI
Trim	5" Aperture, Wall Wash with Specular Clear Trim and Specular Clear Kick Reflector
Lumens	826
Efficacy	61.6 Lm/W
SC	1.06



Zonal Lumen Summary

Zone	Lumens	%Fixture
0-30	406	49.1
0-40	611	73.9
0-60	804	97.4
0-90	826	100
90-180	0	0
0-180	826	100

Single Unit Footcandles

2.5' From Wall (Distance From Fixture Along Wall)

DD	●	1'	2'	3'	4'	5'	6'
1'	3.4	2.2	0.8	0.2	0.1	0	0
2'	11.8	8.6	3.7	1.1	0.3	0.1	0
3'	13.7	11.4	6.1	2.4	0.9	0.3	0.1
4'	9.6	8.7	6.2	3.3	1.5	0.6	0.3
5'	6.4	6	4.7	3.2	1.9	0.9	0.4
6'	4.3	4.1	3.5	2.6	1.8	1.1	0.6
7'	3	2.9	2.5	2	1.5	1.1	0.7
8'	2.1	2.1	1.9	1.6	1.3	1	0.7
9'	1.6	1.5	1.4	1.2	1	0.8	0.6
10'	1.2	1.2	1.1	1	0.8	0.7	0.6

Multiple Unit Footcandles

2.5' From Wall (Distance From Fixture Along Wall)

DD	--3'--			--4'--		
1'	3.6	2.8	3.6	3.4	1.6	3.4
2'	12.8	11.6	12.8	12.1	7.3	12.1
3'	16.1	17.5	16.1	14.6	12.3	14.6
4'	12.9	14.8	12.9	11.1	12.3	11.1
5'	9.5	10.6	9.5	8.2	9.5	8.2
6'	6.9	7.5	6.9	6.1	6.9	6.1
7'	5	5.3	5	4.5	5.1	4.5
8'	3.7	3.9	3.7	3.4	3.8	3.4
9'	2.8	2.9	2.8	2.6	2.8	2.6
10'	2.1	2.2	2.1	2	2.2	2

Photometric tests are per IES measurement standards. Tests represent typical fixture performance. Field results may vary.

Photometry 6" Trims • 900 Series • 90 CRI

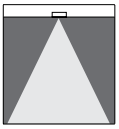
Multiplier Table

CCT Option	2700 K	3000 K	3500 K	4000 K
CCT Multiplier	0.88	1.00	1.04	1.10

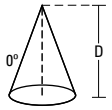
Table based upon testing with 3000°K color temperature, 90CRI.
Multipliers may be used to determine relative lumen values with other color temperatures.

ML5609930-692SC

Test Number	P130104
Light Module	900 Series, 90CRI
Trim	6" Aperture, Specular Clear Trim
Lumens	853
Efficacy	63.7 Lm/W
SC	0.66

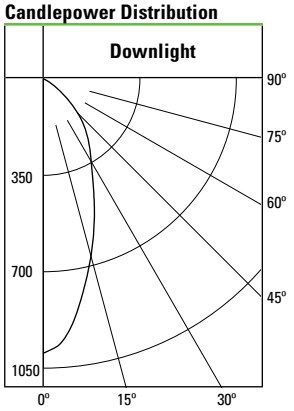


Cone of Light



D	FC	L	W
5.5	32.9	3.6	3.6
7	20.3	4.6	4.6
8	15.6	5.2	5.2
9	12.3	5.8	5.8
10	10	6.6	6.6
12	6.9	7.8	7.8

Candlepower Distribution

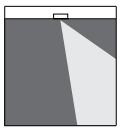


Zonal Lumen Summary

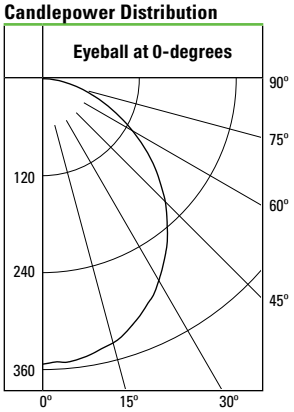
Zone	Lumens	%Fixture
0-30	469	54.9
0-40	649	76.1
0-60	842	98.7
0-90	853	100
90-180	0	0
0-180	853	100

ML5609930-694WB

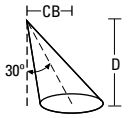
Test Number	P130160
Light Module	900 Series, 90CRI
Trim	6" Aperture, Directional Eyeball
Lumens	917
Efficacy	68.4 Lm/W
SC	1.21



Candlepower Distribution



30° Horizontal Plane

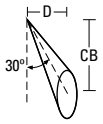


D	FC	L	W	CB
5.5	10.3	6.6	6.6	3.2
7	6.3	8.3	8.6	4
8	4.8	9.6	9.8	4.6
9	3.8	10.7	11	5.2
10	3.1	12	12.2	5.8
12	2.2	14.3	14.6	6.9

Zonal Lumen Summary

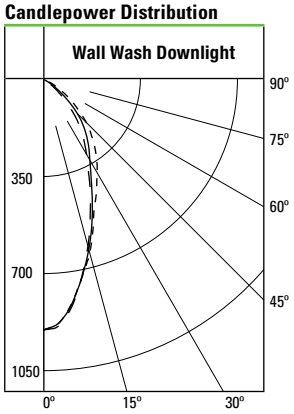
Zone	Lumens	%Fixture
0-30	271	29.5
0-40	437	47.6
0-60	744	81.1
0-90	917	100
90-180	0	0
0-180	917	100

30° Vertical Plane



D	FC	L	W	CB
1'	200.5	1.1	1.2	1.7
2'	50.1	2.2	2.6	3.5
3'	22.3	3.3	3.8	5.2
4'	12.5	4.5	5.2	6.9
5'	8	5.6	6.6	8.7
6'	5.6	6.7	7.8	10.4

Candlepower Distribution

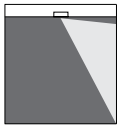


Legend

0-deg:	Wall
90-deg:	Side
180-deg:	Room

ML5609930-695WW

Test Number	P130184
Light Module	900 Series, 90CRI
Trim	6" Aperture, Wall Wash with Specular Clear Trim and Specular Clear Kick Reflector
Lumens	832
Efficacy	62.1 Lm/W
SC	0.69



Zonal Lumen Summary

Zone	Lumens	%Fixture
0-30	445	53.5
0-40	622	74.8
0-60	813	97.7
0-90	832	100
90-180	0	0
0-180	832	100

Single Unit Footcandles

2.5' From Wall (Distance From Fixture Along Wall)

DD	●	1'	2'	3'	4'	5'	6'
1'	2.5	1.4	0.5	0.2	0	0	0
2'	10.9	7.7	3.4	1.1	0.3	0.1	0
3'	11.6	9.5	5.5	2.5	0.9	0.3	0.1
4'	8.7	7.5	5.2	3	1.5	0.6	0.3
5'	6.2	5.5	4.1	2.8	1.7	0.9	0.4
6'	4.4	4	3.2	2.3	1.5	1	0.6
7'	3.3	3	2.5	1.9	1.3	0.9	0.6
8'	2.5	2.3	1.9	1.5	1.1	0.8	0.6
9'	2	1.8	1.5	1.2	0.9	0.7	0.5
10'	1.5	1.4	1.3	1	0.8	0.6	0.5

Multiple Unit Footcandles

2.5' From Wall (Distance From Fixture Along Wall)

DD	--3'--			--4'--		
1'	2.6	1.9	2.6	2.5	1	2.5
2'	11.9	10.8	11.9	11.1	6.7	11.1
3'	14.1	15.1	14.1	12.5	11	12.5
4'	11.8	12.9	11.8	10.2	10.4	10.2
5'	8.9	9.8	8.9	7.8	8.3	7.8
6'	6.7	7.4	6.7	5.9	6.4	5.9
7'	5.1	5.6	5.1	4.6	5	4.6
8'	4	4.3	4	3.6	3.9	3.6
9'	3.2	3.4	3.2	2.9	3.1	2.9
10'	2.5	2.7	2.5	2.3	2.5	2.3

Photometric tests are per IES measurement standards. Tests represent typical fixture performance. Field results may vary.

HALO

DESCRIPTION

595 Series LED Trims – 5-Inch Aperture Wall Wash – is an integral element in the Halo ML56 LED Downlighting System. ML56 LED System is a series of modular LED Light Modules for use with dedicated 5" or 6" ML56 LED trims. The ML56 LED trims in 5" and 6" aperture sizes are designed to fit Halo, All-Pro and others 5" or 6" recessed housings. The ML56 system is suitable for new construction, remodel or retrofit installation.

Catalog #	H550ICAT/ML5609930/595WW	Type
Project		ALR-050-CL
Comments		Date
Prepared by	Kathleen Kenny National Accounts Ph/Cell: 678-447-5208 Kathleen.kenny@cooperlighting.com	

SPECIFICATION FEATURES

595WW LED trim is a 5-inch aperture wall wash downlight offered with a Specular Clear primary downlight reflector, and the Halo exclusive Repositionable Kick Reflector. The specular clear "kick" reflector provides the wall wash optical element. The Repositionable Kick Reflector allows fine-tuning adjustment of the wall wash effect and easy cleaning of the trim. The accessory/spare WW595SC Repositionable Kick Reflector is sold separately for use when double wall wash is needed, or for replacement of original kick reflector included with the trim. 595 Series wall wash features matte white finish flange.

The precision spun aluminum primary reflector provides excellent downlight performance, and the kick reflector offers superb wall washing. The 595 wall wash trim may be used in most standard height 5-inch aperture recessed housings; Halo, All-Pro, and more (refer to ML56 LED Light Module specifications for details).

- Specular reflector and Specular "kick" reflector insert
- Repositionable Kick reflector allows wall wash adjustment
- Optional, accessory "Kick" reflector for double or corner wall wash
- Wet location shower listed with ML56 LED Light Modules
- Torsion springs pull trim and light module tight to ceiling
- For use in standard housings
- ML56 downlight trims and modules make any housing AIR-TITE™ (ASTM E283)

Compatible with ML56 LED System of LED Downlight Light Modules

600 Series - 80CRI, 600lm
5"/6" LED Retrofit Downlight Engine
ML5606827 - 2700K
ML5606830 - 3000K
ML5606835 - 3500K
ML5606840 - 4000K

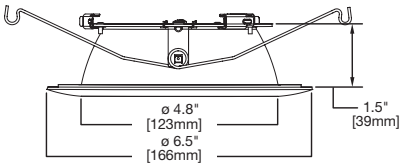
600 Series - 90CRI, 600lm
5"/6" LED Retrofit Downlight Engine
ML5606927 - 2700K
ML5606930 - 3000K
ML5606935 - 3500K
ML5606940 - 4000K

900 Series - 80CRI, 900lm
5"/6" LED Retrofit Downlight Engine
ML5609827 - 2700K
ML5609830 - 3000K
ML5609835 - 3500K
ML5609840 - 4000K

900 Series - 90CRI, 900lm
5"/6" LED Retrofit Downlight Engine
ML5609927 - 2700K
ML5609930 - 3000K
ML5609935 - 3500K
ML5609940 - 4000K

1200 Series - 80CRI, 1200lm
5"/6" LED Retrofit Downlight Engine
ML5612827 - 2700K
ML5612830 - 3000K
ML5612835 - 3500K
ML5612840 - 4000K

1200 Series - 90CRI, 1200lm
5"/6" LED Retrofit Downlight Engine
ML5612927 - 2700K
ML5612930 - 3000K
ML5612935 - 3500K
ML5612940 - 4000K



595WW

595 Series LED Trim

5-Inch Wall Wash with Repositionable Kick Reflector

For use with Halo ML56 LED System Light Modules

Shower Light

air-tite trim

ORDERING INFORMATION

SAMPLE NUMBER: 595WW

Trim	Finish	Accessory
595= 5" Wall Wash	**WW**=Specular Clear Wall Wash & Kick Reflector, White Flange	**WW595SC=**5" Wall Wash Kick Reflector, Specular Clear (use for double or corner wall wash, or replacement) **TRM590WH=** 5" LED Oversize Trim Ring for use with 59* series trims, White 6.3" I.D., 7.5" O.D. Ring slips over LED trim. Inset design allows 5" trim to fit into oversize ring for an even trim surface

*Wall Wash Trims 595WW and 695WW Feature an exclusive Repositionable Kick Reflector for fine-tuning adjustment of the wall wash effect. The WW595SC and WW695SC are Repositionable Kick Reflectors sold separately for addition to the Wall Wash Trim when a double or corner wall wash is needed, or for replacement of original kick reflector included with the trim.

COOPER Lighting Solutions

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Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

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June 2014

Specifications and dimensions subject to change without notice.

Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALR-050-SI

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Recessed Fixture
Item Type	Recessed Downlight
Description	Lytecaster LED 5" DOWNLIGHT RECESSED, wall wash adjustable
Manufacturer	Signify-Lightolier
Model	L5RAZ10UVA / L5R10930WVA
Dimensions	11.625"Lx8"Wx3. 375"H
Lamp Type	LED
Trim	White
Lamp Kelvin	3000K
Voltage	120-277V
Mount	Recessed
On Dimming System	Yes
Delivered Lumens (LED) or Mean Lumens (Non-LED)	845
Lamp CRI	90
Warranty	Five year limited warranty
Notes	Efficacy:102.6 Lamp Life/Fixture Life: 50,000 Fixture Input (Max. Watts): 13W

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

ALTERNATE MANUFACTURER 2

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Lobby
Welcome Desk
Buffet
Breakfast
In-A-Pinch

LIGHTOLIER
by signify

Downlighting

LyteCaster LED 5"

L5 Downlights & Adjustables

ALR-050-SI

LyteCaster LED Downlights are ideal general purpose downlighting solution, providing comfortable, quality light. Available in new construction and remodeler frame with interchangeable light engine that is offered in two lumen packages. The downlight is wet location listed and comes in 3 standard option.

Project:
Location:
Cat.No:
Type: ALR-050-SI
Qty:
Notes:

Complete unit = Housing + Downlight or Adjustable Light Engine + Trim (order each separately)

Housing

example: L5R15AE1VA

Series	Lumens	Installation (all with AirSeal IC)	Dimming	Version
L5R		**A**	**Z10U**	**VA**
L5R LyteCaster 5" downlight (for round and square configurations)	**–** 1000lm **15** 1500lm	**A** New Construction w/ Screws **AN** New Construction w/ Nails **R** Remodeler	**E1** Phase Control (ELV/TRIAC 120V)	**VA** Version A
	10 1000lm **15** 1500lm	**A** New Construction w/ Screws **AN** New Construction w/ Nails **R** Remodeler	**Z10U** 0-10V (Universal 120-277V)	**VB** Version B

Downlight Light Engine

example: L5R15930VB

Series	Lumens	CRI/CCT	Finishes	Version
L5R				**VB**
L5R LyteCaster 5" round downlight (compatible with square trims)	**10** 1000lm **15** 1500lm	**927** 90 CRI / 2700K **930** 90 CRI / 3000K **935** 90 CRI / 3500K **940** 90 CRI / 4000K **950** 90 CRI / 5000K	**–** Specified with Trim below (for downlight models only)	**VB** Version B

Adjustable Light Engine

example: L5R15930WVB

Series	Lumens	CRI/CCT	Finishes	Version
L5RA	**10**	**930**	**W**	**VB**
L5RA Lytecaster 5" round adjustable (trim is integrated)	**10** 1000lm **15** 1500lm	**927** 90 CRI / 2700K **930** 90 CRI / 3000K **935** 90 CRI / 3500K **940** 90 CRI / 4000K **950** 90 CRI / 5000K	**W** White Reflector / White Flange (integral to light engine for adjustable, do not specify Trim seperately)	**VB** Version B

Trim (for downlights only)

example: L5RDW

Series	Style/Finish/Flange
L5R LyteCaster 5" round downlight **L5S** LyteCaster 5" square downlight	**DD** Open Downlight / Clear Diffuse / White Flange **DW** Open Downlight / White Finish / White Flange **BW** Baffle Downlight / White Finish / White Flange

L5R & L6S LyteCaster LED 5"

Round & Square downlights and Round adjustables (1000lm & 1500lm)

Features

1. **Housing:** UL listed for direct contact with thermal insulation. Airseal® housing minimizes air leakage to less than 2 CFM at 1.57PSF (or 75PA), which complies with the International Energy Conservation Code, and Washington State Energy Code (Section 502.4). This reduces heat loss and condensation in ceiling.
2. **Housing (new construction):** .026" galvanized steel. Access door for inspection of junction box.
3. **Housing (remodeler):** .032" aluminum. Integral retaining spring secures housing to ceilings up to 2" thick. Removable for access to junction box and ceiling plenum. 5½" maximum for use in 2"x6" joist construction and shallow plenum applications.
4. **Junction Box (new construction):** 2½"x5⅜"x2" (27 cu. in) .032" galvanized steel. UL listed 90°C supply conductors. Rated for branch circuit wiring supplying connected luminaires (daisy chaining).
5. **Junction Box (remodeler):** 2½"x2½"x4⅞" (29 cu in.) .031" galvanized steel. UL listed for 90°C supply conductors. Rated for branch circuit wiring supplying connected luminaires.
6. **Retaining clips:** Permits fast and easy installation of light engine/trim.
7. **Lower frame and top cover:** .026" galvanized steel. Accommodates ceilings up to 1" (25mm) thick. Deep integral lip is ⅜" (9.5mm) with four notches at 90° apart to simplify alignment. Locks into position along length of mounting bars with locking screws.
8. **Driver – ELV /Triac:** 120V, 50/60Hz. RoHS compliant, Class 2 power supply. Complies with FCC rules per Title 47 Part 15 (Class B) for EMI/RFI (conducted & radiated). Class A sound rating.
9. **Driver – 0–10V:** 120/277V, 50/60Hz. RoHS compliant, Class 2 power supply. Complies with FCC rules per Title 47 Part 15 (Class A) for EMI/RFI (conducted & radiated). Class A sound rating.
10. **Mounting bars:** .059" galvanized steel. Bars pivot for easy attachment and wire-in below ceiling line. Bars extend to accommodate 16" (406mm) to 24" (610mm) O.C. joist spacing. Bars can accommodate 12" (305mm) O.C. joist spacing after a slight field modification (see Instruction sheet). Features integral self tapping phillips/square drive screws for secure attachment to wood or metal construction. Also available with integral nails. Attaches to T-bar ceilings without the need of accessories. Bars installed on shortest dimension of frame,but can be easily repositioned 90° from original position.
11. **Ceiling cutout:** 5½" (140mm).

Dimming Compatibility

SR1200ZTUNV	Philips Sunrise
IPE04, IP7	Leviton Illumatech
6615-P	Leviton Decora
DVLEV-303P	Lutron Diva
DVTV, DVSCTV	Lutron Diva
S-603P	Lutron Skylark
NFTV, NTSTO-DV	Lutron Nova
QSGRJ-XP, QSGRJ-XE	Lutron Grafix Eye Qs
QSGR-XF	Lutron Grafix Eye Qs

See LED-DIM Specification Sheet for more.

Electronic dimming driver

Class 2 electronic LED Driver with less than 1 second start up.

RoHS compliant, suitable for damp locations. 120v 50/06Hz

>.9 power factor. Sound rating

Class "A" (<24dB). Complies with FCC

CFR title 47 part 15 Class B for EMI/RFI

Dimmable withstandard electronic low voltage (ELV) & Triac dimmers

Dims to less than or equal to 10% of relative high output.

ENERGY STAR®

0-10v (Z10) dimming is Energy Star qualified. Electronic low voltage (E) dimming is not Energy Star qualified.

Labels

cULus Listed Type I.C., frames are suitable for damp location and wet listed for use in covered ceilings.

Trims are cULus suitable for damp location.

Complies with Air Leakage.

ENERGY STAR® certified.

5 year limited warranty

Electrical specifications

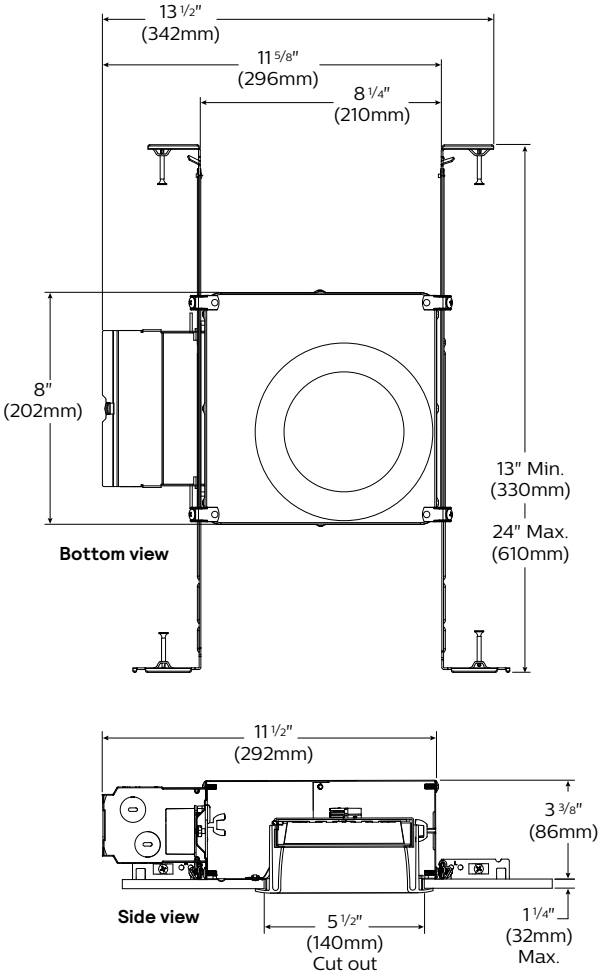
Lifetime: Expected lifetime 50,000 hours and backed by a 5-year warranty. (see Signify.com/warranties for details)

Frame-in kit	Lumens	Input volts	Input freq.	Input current	LED drive current	Input power	LED power	THD Factor @ Max Load	Power Factor @ Max Load
L5R10_E1VA	1000	120V	50/60Hz	0.10A	260mA	12W	10W	<20%	>0.9
L5R10_Z10UVB	1000	120V	50/60Hz	0.08A	250mA	10W	8W	<10%	>0.9
		277V	50/60Hz	0.04A	250mA	10W	8W	<10%	>0.9
L5R15_E1VA	1500	120V	50/60Hz	0.16A	375mA	15W	13W	<20%	>0.9
L5R15_Z10UVB	1500	120V	50/60Hz	0.11A	350mA	14W	12W	<10%	>0.95
		277V	50/60Hz	0.05A	350mA	14W	12W	<10%	>0.95

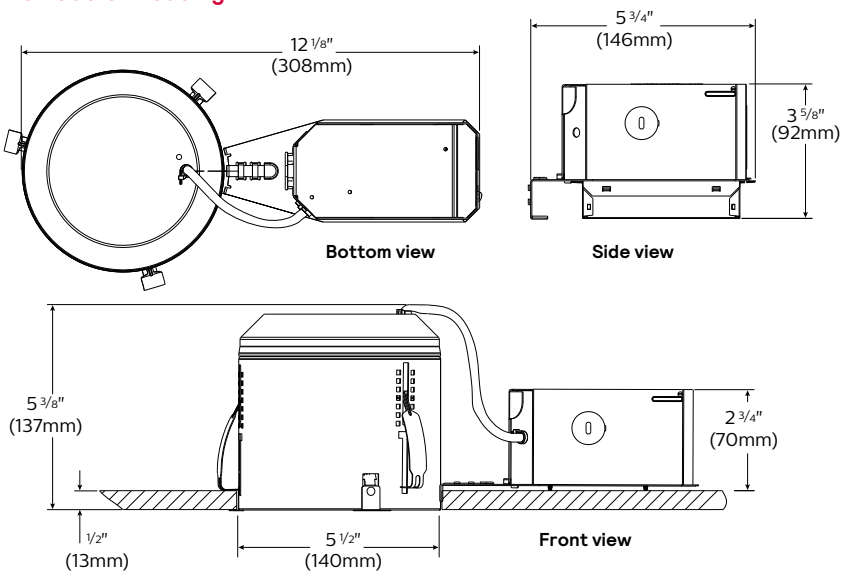
L5R & L6S LyteCaster LED 5"

Round & Square downlights and Round adjustables (1000lm & 1500lm)

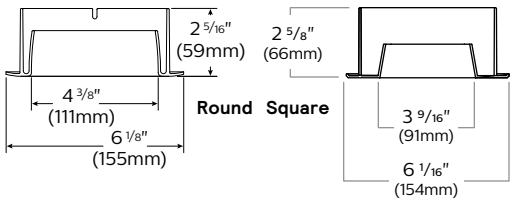
New construction housing



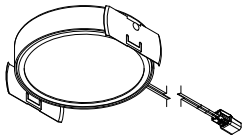
Remodeler housing



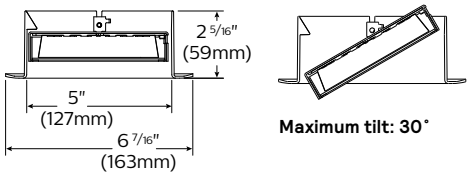
Downlight trim



Light engine



Adjustable light engine/trim



L5R & L6S LyteCaster LED 5"

Round & Square downlights and Round adjustables (1000lm & 1500lm)

AccuRender Technology (CRI 90+)

The right light brings colors to life. Our new AccuRender technology helps ensure colors are rendered more accurately and consistently, while doing so as efficiently as CRI 80 products.

Standard CRI 80

Good color rendering and high efficacy

Standard CRI 90

Better color rendering and low efficacy

AccuRender

Best color rendering, color preference and high efficacy

Enjoy design flexibility

Full range of products and options:

- Available soon in across Lightolier portfolio for application flexibility
- Multiple color temperatures (CCTs) and lumen packages offered

Promote savings

High efficacy, with no penalty:

- Energy efficacy compares well to conventional 80 CRI
- Up to 25% more energy savings vs competitor 90 CRI[1]
- Helps meet Title 24 requirements

Show your true colors

High color rendering:

- True to life colors to help energize your environment and render better flesh tones critical for healthcare hospitality and retail applications.
- R_a up to 94 CRI
  R_9 up to 67 CRI
  G_a up to 99 CRI
  C_9 up to 94 CRI
- R_f up to 92 TM-30
  $R_{f,h1}$ up to 91 TM-30
  R_9 up to 100 TM-30
  $R_{cs,h1}$ up to -5% TM-30

Achieve color balance

Best in class color consistency:

- Promote aesthetic harmony in your space with ≤ 2 SDCM

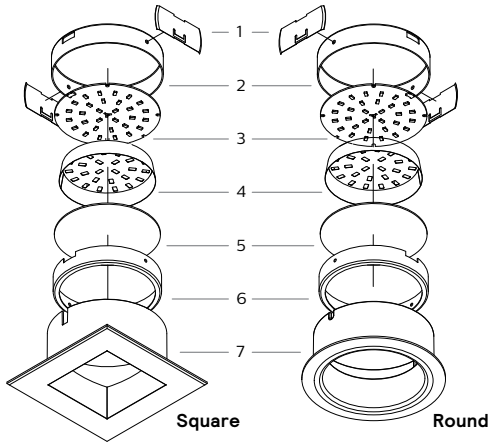
L5R & L6S LyteCaster LED 5"

Round & Square downlights and Round adjustables (1000lm & 1500lm)

Light Engine

Components

1. **Retaining clips:** 29 gauge Stainless Steel, allows tool-less installation of light engine to trim.
2. **Engine housing:** (0.05") thick powder coated aluminum provides integrated thermal management allowing for a low profile at less than 3-1/2" tall.
3. **LED board:** High efficiency mid-flux LED's.
4. **Mixing chamber:** 98% reflective, highly diffuse film.
5. **Diffusion lens:** (0.06") thick acrylic opal lens provides an even source of illumination.
6. **Retaining ring:** (0.04") thick powder coated aluminum, secures module components.
7. **Reflector:** 30% glass reinforced injection molded polycarbonate is durable and provides a 70° cutoff to the source.



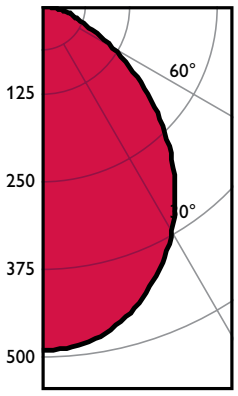
Trim & Finish options

Open Downlight Clear Diffuse White Flange (DD)	Open Downlight White Finish White Flange (DW)	Baffle Downlight White Finish White Flange (BW)	Open Downlight Clear Diffuse White Flange (DD)	Open Downlight White Finish White Flange (DW)	Baffle Downlight White Finish White Flange (BW)	White Reflector White Flange (adjustable)

L5R & L6S LyteCaster LED 5"

Round & Square downlights and Round adjustables (1000lm & 1500lm)

Round, 1000lm engine, 90CRI / 3500K, 95lm/W at 11W



Housing:
L5RAE1VA
L5R10AZ10UVB

Light Engine:
L5R10935VB

Trim:
L5RDW

Angle	Mean CP	Lumens
0	490	
5	488	46
10	478	
15	459	129
20	435	
25	405	186
30	370	
35	330	206
40	288	
45	243	186
50	196	
55	151	135
60	109	
65	74	76
70	53	
75	38	40
80	21	
85	5	7
90	0	

Output lumens:	1013lm
Input Watts[1]:	10.7W
Spacing Crit.:	1.14
Beam Angle:	89°
Efficacy:	94.7lm/W
CCT[2]:	3500K
CRI:	90
Report no[3]:	STMR-662

Single unit data

Height to Lighted Plane	Initial Center Beam Foot-Candles	Beam Dia. (ft)*
5'	20	5.7'
6'	14	6.8'
7'	10	8.0'
8'	8	9.1'
9'	6	10.3'

* Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data - RCR 2

Spacing on center	Initial Center Beam Foot-Candles	Watts per Sq. Ft.
5'	42.0	0.47
6'	28.0	0.31
7'	20.0	0.22
8'	17.0	0.19
9'	13.0	0.15

38'x38'x10' Room, Workplane 2.5' above floor, 80/50/20% Reflectances

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method - Effective floor reflectance = 20%										
0	119	119	119	119	116	116	111	111	106	106	100
1	110	110	106	102	104	98	100	94	96	92	87
2	102	102	94	88	93	82	89	80	86	79	75
3	94	94	84	77	83	71	80	69	77	68	65
4	87	87	76	68	74	61	72	60	70	60	57
5	80	80	68	60	67	54	65	53	63	53	50
6	74	74	62	54	61	48	60	47	58	47	45
7	69	69	57	49	56	43	55	43	53	42	40
8	65	65	52	44	51	39	50	38	49	38	36
9	61	61	48	40	48	35	46	35	45	35	33
10	57	57	45	37	44	32	43	32	42	32	30

Room Cavity Ratio

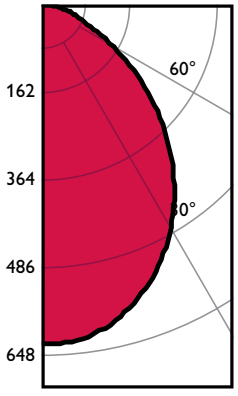
Zonal lumens & percentages

Zone	Lumens	%Luminaire
0-30	362	35.7%
0-40	568	56.1%
0-60	890	87.9%
0-90	1013	100.0%

CRI and CCT adjustment factors

90CRI 2700K:	= 0.92
90CRI 3000K:	= 0.96
90CRI 3500K:	= 1.00
90CRI 4000K:	= 1.02
90CRI 5000K:	= 1.02

Round, 1500lm engine, 90CRI / 3500K, 97lm/W at 14W



Housing:
L5R15AE1VA
L5R15AZ10UVB

Light Engine:
L5R15935VB

Trim:
L5RDW

Angle	Mean CP	Lumens
0	630	
5	627	59
10	614	
15	590	166
20	559	
25	521	240
30	477	
35	426	266
40	372	
45	315	242
50	255	
55	198	177
60	143	
65	98	100
70	70	
75	49	52
80	28	
85	7	11
90	0	

Output lumens:	1312lm
Input Watts[1]:	13.5W
Spacing Crit.:	1.14
Beam Angle:	90°
Efficacy:	97.2lm/W
CCT[2]:	3500K
CRI:	90
Report no[3]:	STMR-663

Single unit data

Height to Lighted Plane	Initial Center Beam Foot-Candles	Beam Dia. (ft)*
5'	25	5.7'
6'	17	6.8'
7'	13	8.0'
8'	10	9.1'
9'	8	10.3'

* Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data - RCR 2

Spacing on center	Initial Center Beam Foot-Candles	Watts per Sq. Ft.
5'	55.0	0.60
6'	36.0	0.39
7'	26.0	0.28
8'	21.0	0.23
9'	17.0	0.19

38'x38'x10' Room, Workplane 2.5' above floor, 80/50/20% Reflectances

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method - Effective floor reflectance = 20%										
0	119	119	119	119	116	116	111	111	106	106	100
1	110	106	103	100	104	98	100	95	96	92	87
2	102	94	88	83	93	82	89	81	86	79	75
3	94	84	77	71	83	70	80	69	77	68	65
4	86	75	67	61	74	61	72	60	69	59	56
5	80	68	60	53	67	53	65	53	63	52	50
6	74	61	53	47	61	47	59	47	57	46	44
7	69	56	48	42	55	42	54	42	52	41	39
8	64	51	43	38	51	38	49	37	48	37	35
9	60	47	39	34	47	34	46	34	45	34	32
10	56	44	36	31	43	31	42	31	41	31	29

Room Cavity Ratio

Zonal lumens & percentages

Zone	Lumens	%Luminaire
0-30	465	35.4%
0-40	731	55.7%
0-60	1150	87.7%
0-90	1312	100.0%

CRI and CCT adjustment factors

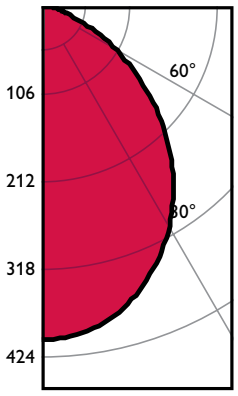
90CRI 2700K:	= 0.92
90CRI 3000K:	= 0.96
90CRI 3500K:	= 1.00
90CRI 4000K:	= 1.02
90CRI 5000K:	= 1.02

1. Correlated Color Temperature within specs as defined in ANSI_NEMA_ANSLG C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.
2. Wattage controlled to within +/- 5%.
Note: Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.

L5R & L6S LyteCaster LED 5"

Round & Square downlights and Round adjustables (1000lm & 1500lm)

Square, 1000lm engine, 90CRI / 3500K, 89lm/W at 10W



Housing:
L5RAE1VA
L5R10AZ10UVB

Light Engine:
L5R10935VB

Trim:
L5SDW

Angle	Mean CP	Lumens
0	402	
5	400	38
10	392	
15	378	106
20	358	
25	334	154
30	307	
35	276	172
40	242	
45	207	159
50	170	
55	134	120
60	98	
65	66	66
70	41	
75	27	29
80	17	
85	7	8
90	0	

Output lumens:	853lm
Input Watts[1]:	9.6W
Spacing Crit.:	1.16
Beam Angle:	90°
Efficacy:	88.9lm/W
CCT[2]:	3500K
CRI:	90
Report no[3]:	STMR-666

Single unit data

Height to Lighted Plane	Initial Center Beam Foot-Candles	Beam Dia. (ft)*
5'	16	5.8'
6'	11	7.0'
7'	8	8.1'
8'	6	9.3'
9'	5	10.4'

* Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data - RCR 2

Spacing on center	Initial Center Beam Foot-Candles	Watts per Sq. Ft.
5'	36.0	0.43
6'	23.0	0.28
7'	17.0	0.20
8'	14.0	0.17
9'	11.0	0.13

38'x38'x10' Room, Workplane 2.5' above floor, 80/50/20% Reflectances

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method - Effective floor reflectance = 20%										
0	119	119	119	119	116	116	111	111	106	106	100
1	110	110	106	102	104	98	100	94	96	92	87
2	102	102	94	88	93	82	89	80	86	79	75
3	94	94	84	77	83	71	80	69	77	68	65
4	87	87	76	68	74	61	72	60	70	60	57
5	80	80	68	60	67	54	65	53	63	53	50
6	74	74	62	54	61	48	60	47	58	47	45
7	69	69	57	49	56	43	55	43	53	42	40
8	65	65	52	44	51	39	50	38	49	38	36
9	61	61	48	40	48	35	46	35	45	35	33
10	57	57	45	37	44	32	43	32	42	32	30

Room Cavity Ratio

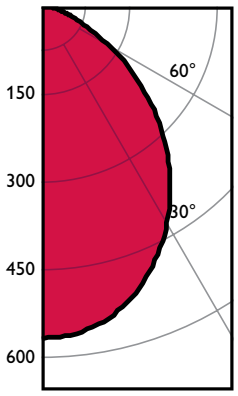
Zonal lumens & percentages

Zone	Lumens	%Luminaire
0-30	298	29.4%
0-40	470	46.4%
0-60	749	73.9%
0-90	1013	100.0%

CRI and CCT adjustment factors

90CRI 2700K:	= 0.92
90CRI 3000K:	= 0.96
90CRI 3500K:	= 1.00
90CRI 4000K:	= 1.02
90CRI 5000K:	= 1.02

Square, 1500lm engine, 90CRI / 3500K, 81lm/W at 14W



Housing:
L5R15AE1VA
L5R15AZ10UVB

Light Engine:
L5R15935VB

Trim:
L5SDW

Angle	Mean CP	Lumens
0	567	
5	563	59
10	552	
15	531	166
20	503	
25	467	240
30	427	
35	382	266
40	333	
45	282	242
50	229	
55	178	177
60	128	
65	85	100
70	55	
75	37	52
80	22	
85	10	11
90	0	

Output lumens:	1169lm
Input Watts[1]:	14.4W
Spacing Crit.:	1.14
Beam Angle:	90°
Efficacy:	81.2lm/W
CCT[2]:	3500K
CRI:	90
Report no[3]:	STMR-1150.S

Single unit data

Height to Lighted Plane	Initial Center Beam Foot-Candles	Beam Dia. (ft)*
5'	23	5.7'
6'	16	6.8'
7'	12	8.0'
8'	9	9.1'
9'	7	10.3'

* Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data - RCR 2

Spacing on center	Initial Center Beam Foot-Candles	Watts per Sq. Ft.
5'	49.0	0.64
6'	32.0	0.42
7'	23.0	0.30
8'	19.0	0.25
9'	15.0	0.20

38'x38'x10' Room, Workplane 2.5' above floor, 80/50/20% Reflectances

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method - Effective floor reflectance = 20%										
0	119	119	119	119	116	116	111	111	106	106	100
1	110	106	103	100	104	98	100	95	96	92	87
2	102	94	88	83	93	82	89	81	86	79	75
3	94	84	77	71	83	70	80	69	77	68	65
4	86	75	67	61	74	61	72	60	69	59	56
5	80	68	60	53	67	53	65	53	63	52	50
6	74	61	53	47	61	47	59	47	57	46	44
7	69	56	48	42	55	42	54	42	52	41	39
8	64	51	43	38	51	38	49	37	48	37	35
9	60	47	39	34	47	34	46	34	45	34	32
10	56	44	36	31	43	31	42	31	41	31	29

Room Cavity Ratio

Zonal lumens & percentages

Zone	Lumens	%Luminaire
0-30	418	35.8%
0-40	656	56.1%
0-60	1032	88.3%
0-90	1169	100.0%

CRI and CCT adjustment factors

90CRI 2700K:	= 0.92
90CRI 3000K:	= 0.96
90CRI 3500K:	= 1.00
90CRI 4000K:	= 1.02
90CRI 5000K:	= 1.02

1. Correlated Color Temperature within specs as defined in ANSI_NEMA_ANSLG C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.
2. Wattage controlled to within +/- 5%.
Note: Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.

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ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALR-072-CL

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Recessed Fixture
Item Type	Recessed Downlight
Description	6" Downlight
Manufacturer	Cooper Lighting/Halo Commercial
Model	HC610D010-HM612930-61MDH
Dimensions	13"L x 7.5"W x 7"H
CSI #	265000 - Lighting Fixture
Omniclass #	22-265000 Lighting Fixture
Lamp Type	LED
Dimming Type	0-10V
Trim	White
Lamp Kelvin	3000K
Voltage	120-277V
Mount	Ceiling Recessed
On Dimming System	Yes
Delivered Lumens (LED) or Mean Lumens (Non-LED)	910
Lens/Shade	Semi-Specular Clear
Lamp CRI	90+
Warranty	Five year limited warranty
Notes	Efficacy: 38.0 Lamp Life/Fixture Life: 50,000 Fixture Input (Max. Watts): 9.9W

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 2

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Fitness Center

Project		**Catalog #**	HC610D010-HM612930-61MDH	**Type**	
Prepared by	Kathleen Kenny National Accounts	**Notes**	PH: 678-447-5208 kathleen.kenny@cooperlighting.com	**Date**	

HALO Commercial

HC6 | HM6 | 61 | 61PS

6-inch LED new construction/remodel regressed lens downlight and wall wash

Typical Applications

Office • Healthcare • Hospitality • Institutional • Mixed-Use/Retail

Interactive Menu

- Order Information page 2
- Product Specifications page 4
- Photometric Data page 5
- Energy & Performance Data page 8
- Connected Systems page 9
- Product Warranty

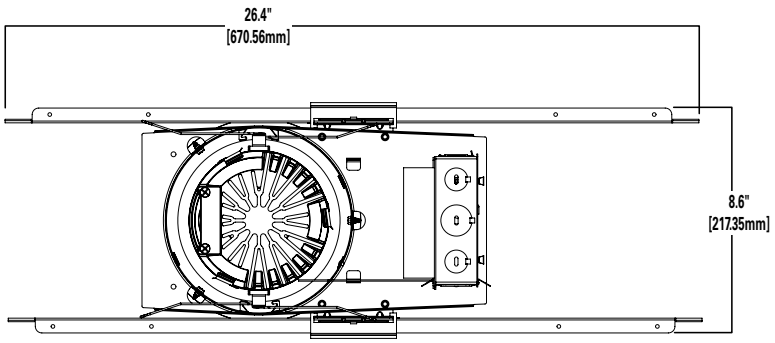
Product Certification

Product Features

Top Product Features

- New construction/remodel series; 1,000 to 4,000 lumens
- Narrow, Medium and Wide distributions; Wall wash with rotatable linear spread lens
- 2700K, 3000K, 3500K and 4000K CCT; 80 or 90 CRI
- Universal voltage 120V-277V; Standard 0-10V driver dims to 1%
- Two retrofit kits install from below ceiling for LED upgrades

Dimensional and Mounting Details



additional product diagrams

Order Information

Sample Number: HC620D010REM7 – HM612835 - 61MDC

A complete luminaire consists of a housing frame, LED module, and reflector (ordered separately)

Mounting Frame | Lumens | Input / Control | Factory Installed Options | Accessories

Mounting Frame	Lumens	Input / Control	Factory Installed Options	Accessories
HC6 = 6" new construction and remodeler housing **HC6CP** = 6" new construction and remodeler housing, CCEA Chicago Plenum rated	**10** = 1000 lumens (nominal) **15** = 1500 lumens (nominal) **20** = 2000 lumens (nominal) **30** = 3000 lumens (nominal) **40** = 4000 lumens (nominal)	**D010**=120-277VAC 50/60Hz 0-10V analog 1% - 100% dimming **D010347** = 347VAC 50/60Hz 0-10V analog 1%-100% dimming (Canada only) [1]	**REM7** = 7 watt emergency module with remote test / indicator light, use with D010 only [1] **REM14** = 14 watt emergency module with remote test / indicator light, use with D010 only [1] **IEM7** = integral 7 watt emergency module with integral test / indicator light, use with D010 only [1] **IEM14** = integral 14 watt emergency module with integral test / indicator light, use with D010 only [1] **BOD7ST** = 7.5 watt Bodine self-test diagnostic emergency module with remote test / indicator light, use with D010 only [(1)] **WTA**=Factory installed WaveLinx tile mount sensor Kit[(1) (5)] **WTK** = Factory installed WaveLinx Lite Sensor Kit [(1) (6)]	**HB128APK** = L channel hanger bar, 26", pair (replacement) **RMB22** = Adjustable wood joist mounting bars, pair, extend to 22" long **HSA6**=Slope Adapter for 6" Aperture Housings, Specify Slope (refer to instructions for installation of housing and trim) **H347** = 347 to 120V step down transformer, 75VA **H347200** = 347 to 120V step down transformer, 200VA **WTA**=Field installed WaveLinx tile mount sensor Kit [1, 5] **WTK** = Field installed WaveLinx Lite Sensor Kit [(1) (6)]
		DLV = Distributed Low Voltage driver, 1%-100% dimming DLV for use with DLVP system only. Refer to DLVP low-voltage power module and DLVP specifications for details.[(1)]	**REMV7** = 7 watt emergency module with remote test / indicator light, use with DLV only [1, 2] **REMV14** = 14 watt emergency module with remote test / indicator light, use with DLV only [1, 2] **IEMV7** = integral 7 watt emergency module with integral test / indicator light, use with DLV only [1, 2] **IEMV14** = integral 14 watt emergency module with integral test / indicator light, use with DLV only [1, 2]	
Notes	**Notes**	**Notes** (1) Not available with CP version	**Notes** (1) Not available with CP version (2) ULus for U.S. only (5) WTA = WaveLinx tile mount sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with D010 only (Refer to WaveLinx system specifications) (6) WTK = WaveLinx Lite tile mount sensor kit for daylight dimming, PIR motion sensing, use with D010 only (Refer to WaveLinx Lite system specifications)	**Notes** (1) Not available with CP version (5) WTA = WaveLinx tile mount sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with D010 only (Refer to WaveLinx system specifications) (6) WTK = WaveLinx Lite tile mount sensor kit for daylight dimming, PIR motion sensing, use with D010 only (Refer to WaveLinx Lite system specifications)

LED Module | Lumens | CRI/CCT

LED Module	Lumens	CRI/CCT	
HM6 = 6" LED module	**12**=1000, 1500 and 2000 lumens (nominal), use with HC610*, HC615*, HC620* housings ~~**34**=3000 and 4000 lumens (nominal), use with HC630*, HC640* housings~~	**827** = 80 CRI (minimum), 2700K CCT **830** = 80 CRI (minimum), 3000K CCT **835** = 80 CRI (minimum), 3500K CCT **840** = 80 CRI (minimum), 4000K CCT	~~**927** = 90 CRI (minimum), 2700K CCT~~ **930** = 90 CRI (minimum), 3000K CCT ~~**935** = 90 CRI (minimum), 3500K CCT~~ **940** = 90 CRI (minimum), 4000K CCT
Notes	**Notes**	**Notes**	

Reflector | Distribution | Finish | Flange | Accessories

Reflector	Distribution[3]	Finish	Flange	Accessories
61 = 6" conical reflector	**ND** = narrow 55° beam angle 0.97 SC **MD** = medium 60° beam angle 1.10 SC ~~**WD** = wide 65° beam angle 1.28 SC~~ **RWW** = rotatable wall wash with linear spread lens	**C** = Specular clear **H** = Semi-specular clear ~~**W** = White~~	**Blank** = Polished flange standard with C & H reflectors **Blank** = White flange standard with W reflector **WF** = White flange option available with C & H reflectors	**61RWWPK** = rotatable wall wash insert for 6" reflector –replacement part kit
Notes	**Notes** (3) Values are nominal, with specular clear reflector, other finishes and field results may vary.	**Notes**	**Notes**	**Notes**

Baffle | Distribution | Finish | Flange | Accessories

Baffle	Distribution[3]	Finish	Flange	Accessories
61 = 6" baffle reflector	**WD** = wide 65° beam angle 1.28 SC (nominal) **RWW** = rotatable wall wash with linear spread lens	**BB** = Black baffle **WB** = White baffle	**Blank** = White flange standard with BB, & WB **BF** = Black flange option available with BB	**61RWWPK** = rotatable wall wash insert for 6" reflector –replacement part kit
Notes	**Notes** (3) Values are nominal, with specular clear reflector, other finishes and field results may vary.	**Notes**	**Notes**	**Notes**

Order Information

IEM Reflector | Distribution | Finish | Flange | Integral Emergency

IEM Reflector	Distribution[3]	Finish	Flange	Integral Emergency
61 = 6" IEM reflector for integral emergency only	**ND** = narrow 55° beam angle 0.97 SC **MD** = medium 60° beam angle 1.10 SC **WD** = wide 65° beam angle 1.28 SC	**C** = Specular clear **H** = Semi-specular clear **W** = White	**Blank** = Polished flange standard with C & H reflectors **Blank** = White flange standard with W reflector **WF** = White flange option available with C & H reflectors	**IEM** = Reflector for integral emergency only
Notes	**Notes** (3) Values are nominal, with specular clear reflector, other finishes and field results may vary.	**Notes**	**Notes**	**Notes**

IEM Baffle | Distribution | Finish | Flange | Integral Emergency

IEM Baffle	Distribution[3]	Finish	Flange	Integral Emergency
61 = 6" IEM baffle reflector for integral emergency only	**WD** = wide 65° beam angle 1.28 SC (nominal)	**BB** = Black baffle **WB** = White baffle	**Blank** = White flange standard with BB, & WB **BF** = Black flange option with BB	**IEM** = Reflector for integral emergency only
Notes	**Notes** (3) Values are nominal, with specular clear reflector, other finishes and field results may vary.	**Notes**	**Notes**	**Notes**

Reflector | Distribution | Finish | Flange

Reflector	Distribution[3]	Finish	Flange
61PS = 6" non-conductive polymer 'dead front' conical reflector[4]	**MD** = medium 60° beam angle 1.10 SC (nominal)	**W** = White	**Blank** = White flange standard with W reflector
Notes (4) 61PS reflector is for Non-IC environment only, and up to 3000 lumens only.	**Notes** (3) Values are nominal, with specular clear reflector, other finishes and field results may vary.	**Notes**	**Notes**

Product Specifications

Housing Frame
- Boat shaped galvanized steel plaster frame with adjustable plaster lip
- Accommodates 1/2" to 1-1/2" thick ceilings
- Installs in new construction or from below the finished ceiling (non-accessible) for remodeling (with mounting bars removed)
- Provided with two remodel clips to secure the frame to the ceiling

Universal Mounting Bracket
- Adjusts 2" vertically from above and below the ceiling
- Use with the included mounting bars or with 1/2" Electric Metallic Tube (EMT)
- Removable to facilitate remodeling installation from below the finished ceiling

Mounting Bars
- Captive pre-installed No Fuss™ mounting bars lock to T-grid with screwdriver or pliers
- Centering detents allow for consistent positioning of fixtures

LED Module
- Proximity phosphors over chip on board LEDs provide a uniform source with high efficiency and no pixilation
- Available in 80 or 90 color rendering index (CRI)
- Color accuracy within 3 SDCM provides color consistency and uniformity
- 90 CRI option: R9>50 (refer to chromaticity information for details)
- Available in 2700K, 3000K, 3500K and 4000K correlated color temperature (CCT)
- Lumen options include 1,000, 1,500, 2,000, 3,000 and 4,000 lumens (nominal)
- Passive thermal management achieves 60,000 hours at 70% lumen maintenance (L70) in insulated ceilings (IC) and non-IC applications
- Integral diffuse lens provides visual shielding
- Integral connector allows quick connection to housing flex

Reflector
- Self-flanged aluminum reflectors available in narrow, medium or wide distribution patterns
- Medium distribution polymer non-conductive matte white reflector may be used to meet local codes for 'dead front' applications (Non-IC, 3,000 lumens max.)
- Wall wash reflector features a rotatable linear spread lens for alignment of vertical illumination
- Reflectors attach to LED module with three speed clamps
- Available in multiple painted or plated finishes

Reflector/Module Retention
- Reflector/module assembly is securely retained in the housing with two torsion springs

Driver
- Field-replaceable constant current driver provides low noise operation
- Universal 120-277VAC 50/60Hz input standard
- 347VAC 50/60Hz input option (Canada only)
- Continuous, 1% to 100% dimming with 0-10V analog control
- Optional low-voltage DC driver for use with Distributed Low Voltage Power (DLVP) system
- Distributed Low Voltage Power (DLVP) system combines power, lighting and controls with ease of installation (refer to DLVP Design Guide at www.cooperlighting.com for details)

Emergency Option
- Provides 90 minutes of standby lighting, meeting most life safety codes for egress lighting
- Available with integral or remote charge indicator and test switch
- Available Self-Test (self-diagnostic) with remote charge indicator and test switch

Connected Lighting System Options
Two WaveLinx connected systems to choose. Summary information provided below, refer to WaveLinx system specifications and application guides for details.

<u>WaveLinx Wireless System Tilemount Sensor Kit</u>
- WaveLinx Wireless WTA tile mount sensor kit offers daylight dimming, PIR motion sensing, scene and zone configuration, automatic commissioning; and optional RLTS - Real Time Location Services available.

<u>WaveLinx Lite System Tilemount Sensor Kit</u>
- WaveLinx Lite WTK tile mount sensor kit offers daylight dimming and PIR motion sensing, scene and grouping configuration.

<u>WaveLinx Tilemount Kits Application</u>
- The WTA and WTK tilemount kits include a control module mounted on the luminaire junction box via 1/2" knock-out, and a tilemount sensor on 54-inch whip; for ceiling installation by direct-mount spring clips or via mounting bracket in octagon ceiling boxes.
- The WTA and WTK tilemount kits may be ordered as factory installed on the luminaire, or ordered separately as a field installed accessory kit.

Junction Box
- Galvanized steel junction box
- 20 in^3 internal volume excluding voltage barrier
- 25 in^3 internal total volume
- Voltage barrier for 0-10V dimming wires (occupies one 1/2" pry-out space)
- Listed for eight #12 AWG (four in, four out) 90˚C conductors and feed-thru branch wiring
- Three 1/2" and two 3/4" trade size pry-outs available
- Three 4-port push wire nuts for mains voltage with 1-port for fixture connection

Compliance
- cULus damp and wet location listed in protected ceilings
- IP20 - Above finished ceiling; IP65 - Below finished ceiling
- Non-Insulated ceiling (Non-IC) rated for 3,000 and 4,000 lumen models (insulation must be kept 3" from top and sides)
- Insulated ceiling (IC) rated for 1,000, 1,500 and 2,000 lumen models and suitable for direct contact with air permeable insulation* (IC models are also suitable for Non-IC installations)
- Airtight per ASTM-E283-04
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- EMI/RFI emissions FCC CFR Title 47 Part 15 Class A at 120/277V
- Contains no mercury or lead and RoHS compliant
- Photometric testing completed in accordance of IES LM-79-08
- Lumen maintenance projection in accordance of IES LM-80-08 and TM-21-11
- 1,000, 1,500 and 2,000 lumen, 90 CRI, ICAT models may be used to comply with State of California Title 24 residential code, per JA8 certification standards
- May be used to comply with State of California Title 24 non-residential code as a dimmable LED luminaire
- ENERGY STAR® certified, reference certified light fixtures database

*Not for use in direct contact with spray foam insulation, consult NEMA LSD57-2013

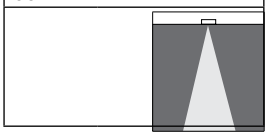
Warranty
- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

Photometric Data

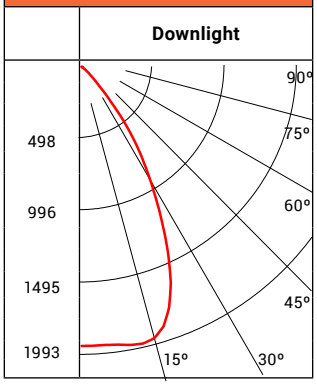
View IES files

NARROW DISTRIBUTION - SPECULAR CLEAR FINISH, 2000 LUMEN MODEL, 80 CRI, 3500K

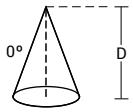
NARROW (55° BEAM*)	
Test Number	P285970
Housing	HC620D010
Module	HM612835
Reflector	61NDC
Lumens	1920 Lm
Efficacy	96 Lm/W
SC	0.97
UGR	11.7



CANDLEPOWER DISTRIBUTION



CONE OF LIGHT



MH	FC	L	W
5.5'	64.9	5.2	5.2
7'	40	6.8	6.8
8'	30.7	7.6	7.6
9'	24.2	8.6	8.6
10'	19.6	9.6	9.6
12'	13.6	11.6	11.6

CANDELA TABLE

Degrees Vertical	Candela
0	1962
5	1962
15	1975
25	1434
35	671
45	112
55	13
65	3
75	3
85	0
90	0

ZONAL LUMEN SUMMARY

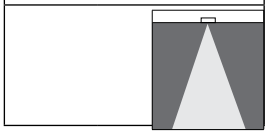
Zone	Lumens	% Fixture
0-30	1385	72.1
0-40	1796	93.5
0-60	1915	99.7
0-90	1920	100
90-180	0	0
0-180	1920	100

LUMINANCE

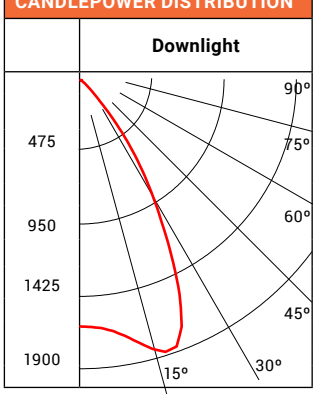
Average Candela Degrees	Average 0° Luminance
45	8706
55	1223
65	337
75	551
85	0

MEDIUM DISTRIBUTION - SPECULAR CLEAR FINISH, 2000 LUMEN MODEL, 80 CRI, 3500K

MEDIUM (60° BEAM*)	
Test Number	P286170
Housing	HC620D010
Module	HM612835
Reflector	61MDC
Lumens	1959 Lm
Efficacy	97.9 Lm/W
SC	1.10
UGR	11.8



CANDLEPOWER DISTRIBUTION



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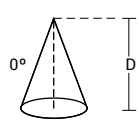


MH	FC	L	W
5.5'	55.2	5.8	5.8
7'	34.1	7.6	7.6
8'	26.1	8.6	8.6
9'	20.6	9.6	9.6
10'	16.7	10.8	10.8
12'	11.6	13	13

CANDELA TABLE

Degrees Vertical	Candela
0	1642
5	1660
15	1854
25	1576
35	699
45	120
55	15
65	5
75	3
85	0
90	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30	1387	70.8
0-40	1821	93
0-60	1951	99.6
0-90	1959	100
90-180	0	0
0-180	1959	100

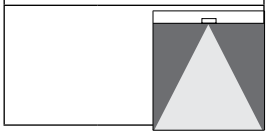
LUMINANCE

Average Candela Degrees	Average 0° Luminance
45	9236
55	1462
65	662
75	551
85	0

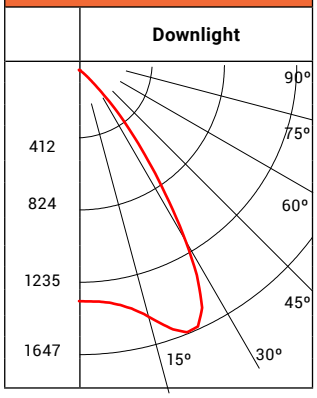
Note: Refer to IES files for more product data.

WIDE DISTRIBUTION - SPECULAR CLEAR FINISH, 2000 LUMEN MODEL, 80 CRI, 3500K

WIDE (65° BEAM*)	
Test Number	P286370
Housing	HC620D010
Module	HM612835
Reflector	61WDC
Lumens	2045 Lm
Efficacy	102.3 Lm/W
SC	1.28
UGR	11.6



CANDLEPOWER DISTRIBUTION



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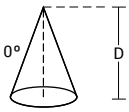


MH	FC	L	W
5.5'	44.3	7	7
7'	27.4	8.8	8.8
8'	21	10.2	10.2
9'	16.6	11.4	11.4
10'	13.4	12.6	12.6
12'	9.3	15.2	15.2

CANDELA TABLE

Degrees Vertical	Candela
0	1341
5	1349
15	1466
25	1642
35	877
45	201
55	28
65	5
75	2
85	0
90	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30	1282	62.7
0-40	1835	89.7
0-60	2037	99.6
0-90	2045	100
90-180	0	0
0-180	2045	100

LUMINANCE

Average Candela Degrees	Average 0° Luminance
45	15614
55	2676
65	662
75	530
85	0

*Value are nominal with specular clear reflectors, other finishes and field results may vary.
SC = Spacing Criteria
UGR = Unified Glare Rating

Photometric Multipliers (Nominal Lumen Values)

1000 Lumen	1500 Lumen	2000 Lumen	3000 Lumen	4000 Lumen
0.52	0.72	1.00	1.44	2.02

Multipliers for relative lumen values with other series models.

Color Finish Multipliers

Finish code	C	H	W/WB	BB
Finish	Specular Clear	Semi-Specular	Matte White White Baffle	Black Baffle
Multiplier	1.00	0.91	0.92	0.84

Multipliers for relative lumen values with other color finishes.

CCT Multipliers - 80CRI

2700K	3000K	3500K	4000K
0.93	0.95	1.00	1.05

Multipliers for relative lumen values with other series color temperatures.

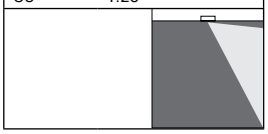
CCT Multipliers – 90CRI

2700K	3000K	3500K	4000K
0.75	0.82	0.90	0.89

Multipliers for relative lumen values with other series color temperatures.

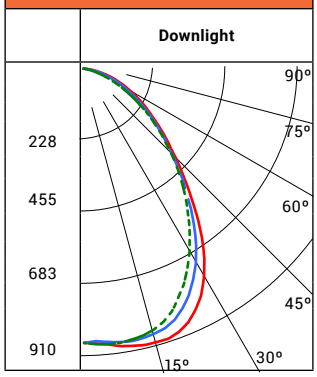
WALL WASH DISTRIBUTION - SPECULAR CLEAR FINISH, 2000 LUMEN MODEL, 80 CRI, 3500K

WALL WASH	
Test Number	P286650
Housing	HC620D010
Module	HM612835
Reflector	61RWWC
Lumens	1798 Lm
Efficacy	89.9 Lm/W
SC	1.23



SC = Spacing Criteria, nominal for specular clear reflector, other finishes and field results may vary.

CANDLEPOWER DISTRIBUTION



CANDELA TABLE	
Degrees Vertical	Candela
0	882
5	890
15	910
25	854
35	665
45	431
55	270
65	161
75	74
85	10
90	0

ZONAL LUMEN SUMMARY		
Zone	Lumens	% Fixture
0-30	696	38.7
0-40	1079	60
0-60	1629	90.6
0-90	1798	100
90-180	0	0
0-180	1798	100

LUMINANCE	
Average Candela Degrees	Average 0° Luminance
45	33399
55	25825
65	20832
75	15653
85	6416

SINGLE UNIT FOOTCANDLES

2.5' from wall (distance from fixture along wall)

1	16.8	12	5.4	2	0.7	0.2	0.1
2	24.7	19.2	10.5	4.9	2.2	1	0.5
3	22.8	18.6	11.4	6.2	3.2	1.7	0.9
4	17.5	15	10.3	6.2	3.6	2	1.2
5	11.9	10.7	8.2	5.5	3.4	2.1	1.3
6	8	7.4	6.1	4.5	3.1	2	1.3
7	5.5	5.2	4.5	3.6	2.6	1.9	1.3
8	3.9	3.7	3.3	2.8	2.2	1.6	1.2
9	2.8	2.7	2.5	2.2	1.8	1.4	1.1
10	2.1	2	1.9	1.7	1.5	1.2	0.9

MULTIPLE UNIT FOOTCANDLES

	2.5' from wall (Distance from fixture along 3")			2.5' from wall (Distance from fixture along 4")		
1	18.8	16.6	18.8	17.5	10.7	17.5
2	29.5	29.2	29.5	26.8	20.9	26.8
3	29	29.8	29	26	22.9	26
4	23.7	25.3	23.7	21	20.5	21
5	17.4	19.2	17.4	15.4	16.3	15.4
6	12.5	13.7	12.5	11.1	12.2	11.1
7	9.1	9.8	9.1	8.1	9	8.1
8	6.7	7.1	6.7	6.1	6.7	6.1
9	5	5.3	5	4.6	5	4.6
10	3.8	4	3.8	3.5	3.8	3.5

Photometric Multipliers (Nominal Lumen Values)

1000 Lumen	1500 Lumen	2000 Lumen	3000 Lumen	4000 Lumen
0.52	0.72	1.00	1.44	2.02

Multipliers for relative lumen values with other series models.

Color Finish Multipliers

Finish code	C	H	W/WB	BB
Finish	Specular Clear	Semi-Specular	Matte White White Baffle	Black Baffle
Multiplier	1.00	0.91	0.92	0.84

Multipliers for relative lumen values with other color finishes.

CCT Multipliers – 80CRI

2700K	3000K	3500K	4000K
0.93	0.95	1.00	1.05

Multipliers for relative lumen values with other series color temperatures.

CCT Multipliers – 90CRI

2700K	3000K	3500K	4000K
0.75	0.82	0.90	0.89

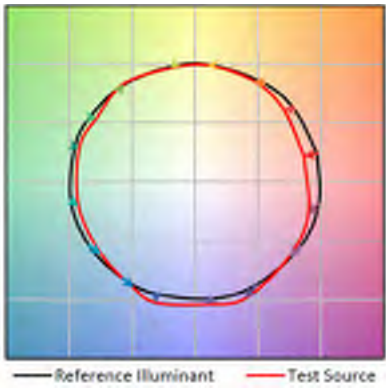
Multipliers for relative lumen values with other series color temperatures.

HALO Commercial

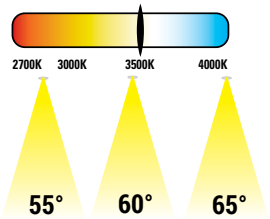
Energy & Performance Data

COLOR METRICS - TM-30-15 & CRI/CIE (3500K)

80 CRI Color Metric Summary - 3500K*

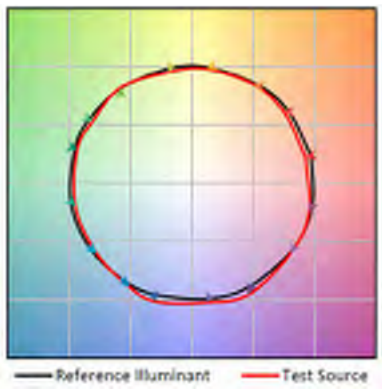


TM-30-15	Rf = 84.7
	Rg = 95.7
CRI/CIE	Ra = 85.2
	R9 = 16.9

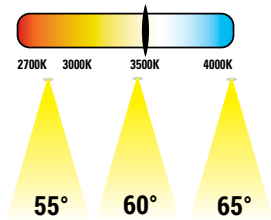


* Color values are based on 61WDWB reflector, other finishes and field results may vary.

90 CRI Color Metric Summary - 3500K*



TM-30-15	Rf = 90.1
	Rg = 98.7
CRI/CIE	Ra = 92.5
	R9 = 66.2



* Color values are based on 61WDWB reflector, other finishes and field results may vary.

Series	1000 lumen	
Input Voltage 120-277VAC	120V	277V
Input Current (A)	0.085	0.042
Input Power (W)	10.1	10.9
In-rush Current (A)	0.644	1.95
In-rush Duration (ms)	0.125	0.24
THDi (%)	8.6	15.6
PF: (Nominal input 120-277VAC & 100% of rated output power)	≥ 0.90	
Minimum starting temperature -30°C (-22°F)*		
Sound Rating: Class A standards		

Series	1500 lumen	
Input Voltage 120-277VAC	120V	277V
Input Current (A)	0.119	0.055
Input Power (W)	14.2	14.9
In-rush Current (A)	0.212	0.85
In-rush Duration (ms)	0.28	0.32
THDi (%)	7.8	16.3
PF: (Nominal input 120-277VAC & 100% of rated output power)	≥ 0.90	
Minimum starting temperature -30°C (-22°F)*		
Sound Rating: Class A standards		

Series	2000 lumen	
Input Voltage 120-277VAC	120V	277V
Input Current (A)	0.176	0.082
Input Power (W)	21.1	21.4
In-rush Current (A)	0.588	0.624
In-rush Duration (ms)	0.3	0.38
THDi (%)	8.8	11.2
PF: (Nominal input 120-277VAC & 100% of rated output power)	≥ 0.90	
Minimum starting temperature -30°C (-22°F)*		
Sound Rating: Class A standards		

Series	3000 lumen	
Input Voltage 120-277VAC	120V	277V
Input Current (A)	0.228	0.102
Input Power (W)	27.2	27
In-rush Current (A)	0.898	1.7
In-rush Duration (ms)	0.36	0.38
THDi (%)	9.7	9.3
PF: (Nominal input 120-277VAC & 100% of rated output power)	≥ 0.90	
Minimum starting temperature -30°C (-22°F)*		
Sound Rating: Class A standards		

Series	4000 lumen	
Input Voltage 120-277VAC	120V	277V
Input Current (A)	0.345	0.15
Input Power (W)	41.3	40.7
In-rush Current (A)	1.05	2.23
In-rush Duration (ms)	0.32	0.34
THDi (%)	10.06	14.01
PF: (Nominal input 120-277VAC & 100% of rated output power)	≥ 0.90	
Minimum starting temperature -30°C (-22°F)*		
Sound Rating: Class A standards		

Notes:
* Emergency Battery packs are rated for a minimum starting temperature of 0°C.

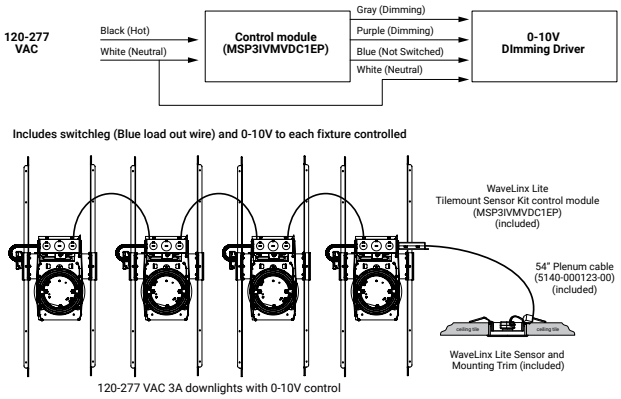
Connected Systems

WaveLinx Lite - WTK Tilemount Sensor

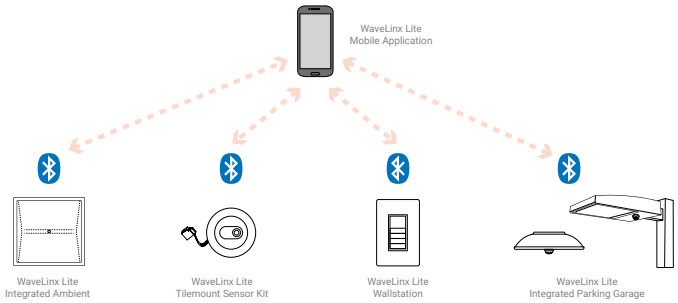
- Intuitive Android™ or Apple® iOS® app for basic system code compliant set up and configuration via Bluetooth
- Up to 28 unique areas per project site (WaveLinx Lite Bluetooth network)
- Up to 50 devices for an area, any one of 16 control zones, up to 6 occupancy sets, and custom lighting scenes
- Automatic occupancy or vacancy, sensor sensitivity, daylight dimming, etc. configurable through the app
- Refer to the WaveLinx system specifications for details

Device Security | Manual Dimmer | Occupancy Sensor | Daylighting Control | Manually Switched ON/OFF | Tuning Control | Lumen Maintenance Control | Scenes

WaveLinx Lite WTK Tilemount Wiring Diagram



WaveLinx Lite Bluetooth Enabled System



WaveLinx Wireless – WTA Tilemount Sensor

- WaveLinx Wireless functionality configures zones and customizes settings from one secure mobile app
- Automatic code commissioning that meets the strictest codes
- Fixtures and sensors integrate with Wireless Area Controller, Wall Stations, and Control Devices
- Stand-Alone Offices or Entire Building Network Installations

Downlights with tilemount sensor wireless communication
Highly efficient LED fixtures

Wireless Area Controller
Provides centralized coordination of multiple area control options

Wireless Wall Station/Receptacle
Provides customized wireless control of each area

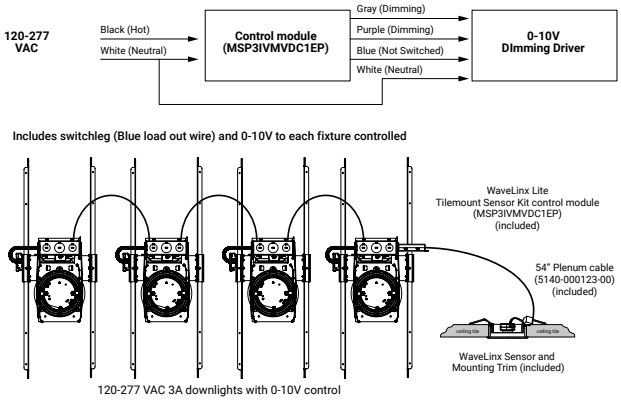
Mobile Applications
Provides personalized, local control from a tablet or smartphone

WaveLinx mobile app settings

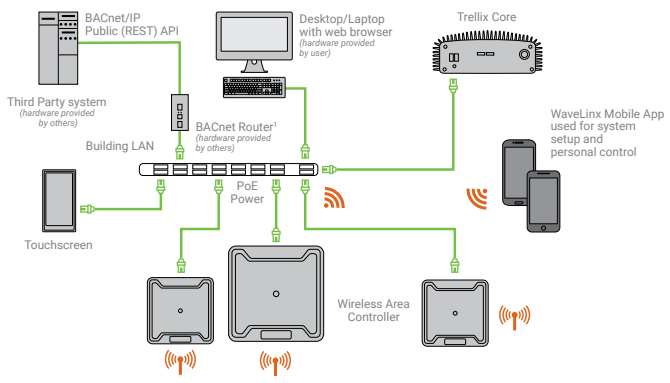
Manual Dimmer | Occupancy Sensor | Lumen Maintenance Control | Daylighting Control

Receptacle Control | Tuning Control | Scheduling | Manually Switched ON/OFF | Demand Response

WaveLinx Lite WTA Tilemount Wiring Diagram

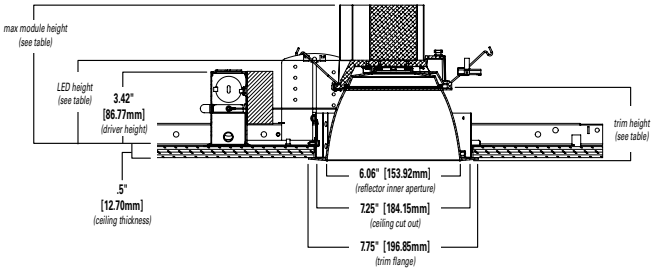


WaveLinx Wireless Trellix Building Management Integration

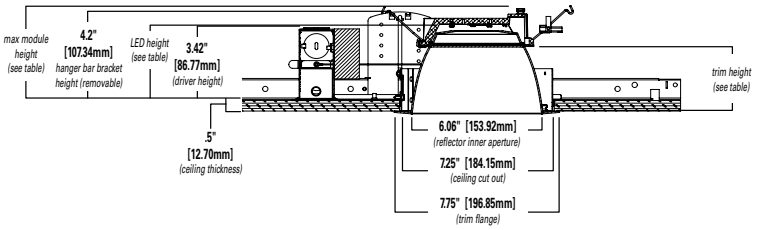


Dimensional and Mounting Details

NEW CONSTRUCTIONS - HIGH LUMEN 3000 AND 4000 LUMEN



NEW CONSTRUCTIONS - LOW LUMEN 1000, 1500, AND 2000 LUMEN



High Lumen (3000 & 4000 Lumens)

Distribution	Max. Module Height	Trim Height	LED Height
Narrow	6.6"	3.4"	3.8"
Medium	6.7"	3.5"	3.9"
Wide	6.5"	3.3"	3.7"
Baffle	6.5"	3.3"	3.7"

Low Lumen (1000, 1500 & 2000 Lumens)*

Max. Module Height	Trim Height	LED Height
4.5"	3.4"	3.8"
4.6"	3.5"	3.9"
4.4"	3.3"	3.7"
4.4"	3.3"	3.7"

*Max. height w/hanger bar bracket 4.2"

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Specifications and dimensions
subject to change without notice.

Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALR-072-SI

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Recessed Fixture
Item Type	Recessed Downlight
Description	LyteProfile LED 6" Downlight
Manufacturer	Signify / Lightolier
Model	6RN / P6RDL10830CCPZ10U
Dimensions	12.875"Lx7.5Wx4.5"H
CSI #	265000 - Lighting Fixture
Omniclass #	22-265000 Lighting Fixture
Lamp Type	LED
Dimming Type	0-10V
Trim	White
Lamp Kelvin	3000K
Reflector	Comfort Clear
Voltage	120-277V
Mount	Ceiling Recessed
On Dimming System	Yes
Delivered Lumens (LED) or Mean Lumens (Non-LED)	953
Lens/Shade	Semi-Specular Clear
Lamp CRI	90
Warranty	Five year limited warranty
Notes	Efficacy: 99.3 Lamp Life/Fixture Life: 50,000 Fixture Input (Max. Watts): 10.2W

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

ALTERNATE MANUFACTURER 2

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 3

AREAS

Fitness Center

ALTERNATE MANUFACTURER 4	

LIGHTOLIER
by signify

Downlighting

LyteProfile

P6R 6" Round Downlight & Wall Wash

ALR-072-SI

Project:
Location:
Cat.No:
Type:
Qty:
Notes:

LyteProfile downlights and wall washers provide a perfect balance of functionality with glare control. The robust and versatile UniFrame frame-in kit makes changes and updates easy to manage and install. Ideal for use in a variety of applications including open office, institutional, healthcare, and retail.

Standard luminaire = Frame + Engine/Trim + Accessories (optional)

Buy American Act of 1933 (BAA)** Compliant luminaire* = Frame-BAC + Engine/Trim-BAC

* BAA compliance requires that BAC option be selected for each of frame and engine/trim. Frame and engine/trim will be ordered/shipped together (ex: 4RN-BAC-Z4RDL20835WOCDZ10U-BAC). Accessories (optional) are not currently BAA-compliant.

Frame

Standard example: 6RN | BAC example: 6RN-BAC

Series	Aperture	Installation	Options	
6	R	N		
6 Uniframe 6-inch Non-IC	**R** Round	**N** New construction (Non-IC)	**–** Universal 120/277/347V[1] **LC** Chicago Plenum **EM6** Emergency, 6W Self-Test/Self-Diagnostic (not available for BAC)[2]	**3** 347V (for non-0-10v configurations) **RADIO** Integral Interact Pro RF sensor (120/277/347V) (enables wireless connected lighting control)[3] **BAC** Meets the requirements of the Buy American Act of 1933 (BAA)**
		R Remodeler (Non-IC)	**–** Universal 120/277/347V[1]	**3** 347V (for non-Z10 configurations)
		A AirSeal (IC)	**–** Universal 120/277/347V[1]	**BAC** Meets the requirements of the Buy American Act of 1933 (BAA)**

Light Engine / Trim

Standard example: P6RDL20835CDZ10U | BAC example: P6RDL20835CDZ10U-BAC

Series	Style	Lumen	CRI / CCT	Reflector	Flange	Dimming	Voltage	Options
P6R	DL	10	830	CC	P	Z10		
P6R LyteProfile 6-inch Round downlight	**DL** Downlight **LW** Lensed Wall Wash **SL** Shower light[4] (non-conductive lens)	**10** 1000 lm **15** 1500 lm **20** 2000 lm **25** 2500 lm **30** 3000 lm **35** 3500 lm	**827** 80 CRI / 2700 K **830** 80 CRI / 3000 K **835** 80 CRI / 3500 K **840** 80 CRI / 4000 K **850** 80 CRI / 5000 K	**CL** Specular clear **CC** Comfort clear **CD** Comfort clear diffuse	**–** White (matte) **B** Black (matte) **P** Polished (matches aperture)	**Z10** 0-10V 1%	**U** 120/277V **3** 347V[5,6] (0-10v only)	**–** None **R** Retrofit (not compatible with IEM6) **IEM6** Trim mounted EM test switch[8] **BAC** Meets the requirements of the Buy American Act of 1933 (BAA)**
				WH White (matte) **BK** Black (matte)	**–** White (matte) **B** Black (matte)	**L** Lutron LDE1 EcoSystem (fade-to-black)	**U** 120/277/347V	
				WHAMF White (gloss antimicrobial)	**–** White (gloss)	**P** Power over Ethernet (PoE)	**E** Ethernet 48 V DC	
						Only compatible with 1000 (10) to 2500 (25) lumen configurations		

Accessories (Not currently BAA-compliant - learn more on page 2)

SBA	Interact Ready System Bridge Accessory with integral occupancy and daylight sensor (compatible with all 0-10V options, see SBA spec sheet)[7]
CAEM6	Field installable Bodine BSL6 6W battery pack with self-test/self-diagnostic for use with new construction frames, 120-277V
7925	6" sloped ceiling adapter (refer to SCA spec sheet for slope options)
AMS	ActiLume multi-sensor (optional accessory for PoE configurations)

1. Universal 120-347V is for 0-10v (Z10) dimming configurations only. For 347V non-Z10 dimming, order 347V (3) frame with (U) light engine/trim.
2. Emergency (EM6) frame is compatible with reflector mounted test switch when light engine is ordered with IEM6 option code (not compatible with 347V or Power over Ethernet configurations).
3. Interact Pro (RADIO) requires above ceiling access.
4. Shower light (SL) in only available with White (WH) reflector finish.
5. Specify standard UNV frame for use with 347V light engines
6. The 347V light engine voltage option is only available with Z10 dimming option. For other dimming protocols order UNV (U) light engine and 347V (3) frame.
7. Requires IRT9015 IR remote and Interact Pro App for commissioning.
8. IEM6 option available on DL style only.

** Failure to properly select the "BAC" suffix could result in you receiving product that is not BAA compliant product with no recourse for an RMA or refund. This BAC designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies.

IC INSULATION CONTACT · WET LOCATION · c UL us LISTED · RoHS COMPLIANT · ENERGY STAR · interact ready.

P6R LyteProfile 6"

Round Downlight & Lensed Wall Wash

Features

Optics

- Provides a 60° cutoff (physical and reflected)
- Wide beam distribution for general illumination
- Spun and anodized reflectors available in specular (clear), semi-specular (comfort clear and diffuse finishes. Also available in white and black painted finishes.

Quality of light

- Consult factory for RAL finishes
- Color consistency: 3 SDCM
- 80 CRI minimum

Construction (New Construction)

- Galvanized stamped steal for dry / plaster ceilings.
- Pre-installed telescoping mounting bars (13"-24")
- Frame accommodates C- channel, black iron, and 3/4" EMT for mounting distances greater than 24" between joists.
- Manufactured from 20 gage galvanized steel construction with rolled edge aperture to guide cutting tools for perfect hole cutting.

Max ceiling thickness is 2" (51 mm). Including PoE frame 4.88" (124 mm).

Patented install Mounting frame

- Pre-installed mounting bars allow for fast and tool-less install into T-grid & hat channel ceilings
- Close-cut aperture design eliminates an undesired gap between ceiling material and reflector.
- Simple plug-and-play connection between frame and light engine from below the ceiling allows for:
  - Easy upgrades
  - Technology changes
  - Repairs and troubleshooting

Dimming

- Advance 0-10V 1% dimming
- Lutron Hi-lume EcoSystem H Series 1% dimming
- EldoLED ECOdrive Dali 1% dimming
- EldoLED SOLOdrive 0-10V 0.1% dimming
- EldoLED DMX POWERdrive

Light engine

Quick connect power pack allow for easy installation and replacement from below ceiling with no need for additional wiring. This allows for:

- Frame and ceiling installation to be performed while still finalizing details such as lumen packages, CCT and control type.
- Easy replacement of electronics at end of life with minimal wasted material and labor required.
- Ease and upgradability of technology.
- Lumen Maintenance: L80 at 60,000 hours.
- 347V light engines are 0-10v dimming only and include dedicated 347V driver for use with universal 120/277/347V (U) frames. For 347V and non-0-10v dimming, order (U) light engine and 347V (3) frame (includes step down transformer).

Emergency

Bodine BSL6 6W battery pack with self-test/ diagnostic functionality. Factory or field mounted to frame.

- For trim with integral emergency test switch, order light engine with IEM6 option (ex: P6RDL20835CDZ10UIEM6). DL or SL styles only.
- For remote ceiling mounted test switch, order standard light engine (ex: P6RDL20835CDZ10U). Optional accessory ceiling mounting plate available (CAEM6TSCP) for remote mounted test switch.
- Refer to Calculite-LyteProfile-EasyLyte Emergency Battery Pack specification sheet for more details.

Retrofit

- Easily updates legacy LyteProfile LED downlights to the latest technology. Includes light engine, trim, and driver mounted on cover plate that mounts to previous generations of LyteProfile LED luminaires. Order with R option code at end of light engine/trim catalog number.

Power over Ethernet

Powered via Philips PoE lighting controller: complies with FCC rules per Title 47 part 15 (Class A) for EMI / RFI (conducted & radiated). PoE lighting controller accessible from below ceiling.

Options and Accessories

Sloped ceilings: Compatible with sloped ceiling adapters (see SCA spec sheet).

Field Installed Emergency: Refer to Calculite-LyteProfile-EasyLyte Emergency Battery Pack specification sheet for more details.

CAEM6: Field install EM6 kit with Bodine BSL6 6W battery pack with self-test/self-diagnostic, mounts to new construction frames. Includes remote ceiling plate for test switch. To mount test switch to trim for new construction frame, order light engine with IEM6 option code (e.g. P6RDL20835CDZ10UIEM6).

CAEM6TSCP: Ceiling cover plate for remote mounted EM6 test switch. 1/2" (25mm) hole, 4 3/8" (109mm) x 2 3/4" (69mm) rectangular. Includes two mounting screws.

ENERGY STAR® exceptions

- 500lm configurations
- Black finishes
- PoE drivers

Labels and Listings

- cULus listed for wet locations
- CCEA (frames with *LC suffix)
- ENERGY STAR® certified
- RoHS certified

Warranty

5 year limited warranty

Visit Signify.com/warranties for more information on Signify's standard 5-year limited warranty on complete luminaire systems.

Finishes

Specular clear

Most specular and therefore most efficient finish, delivers maximum photometric performance but can produce a mirror image effect of the interior space.

Comfort clear

Semi-specular finish that softens the light at the source of the reflector and creates a subtle, even luminance from the reflector cone.

Comfort clear diffuse

Slightly diffuse clear finish, which eliminates iridescence and reduces the mirror image effect inherent with a specular finish.

White

Brightest aperture when illuminated and provides the smoothest transition to most ceilings when off (white is only available with a white flange).

Black

Specular finish that provides the lowest aperture brightness possible and reduces source identification in a ceiling significantly (black is only available with a black flange).

P6R LyteProfile 6"

Round Downlight & Lensed Wall Wash

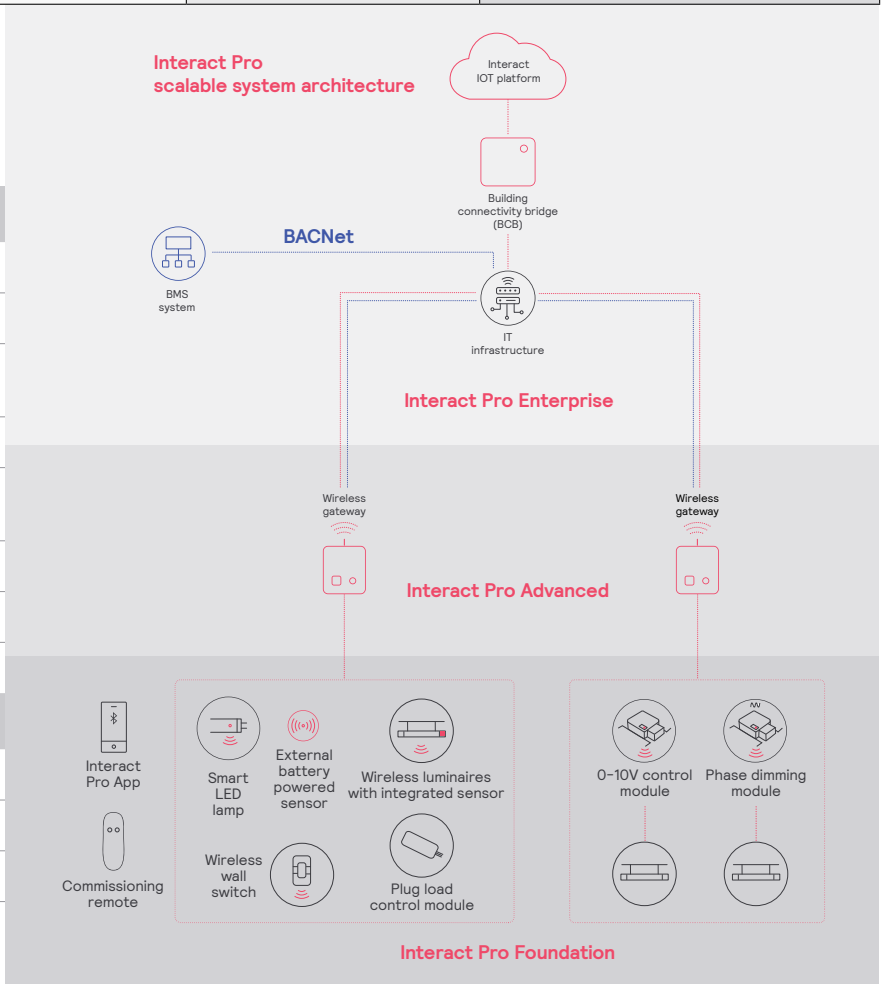
interact

	Interact Pro scalable system		
	Foundation	Advanced	Enterprise
Dimming, grouping, and zoning	✓	✓	✓
Bluetooth and ZigBee enabled	✓	✓	✓
Motion sensing and daylight harvesting	✓	✓	✓
Integration with 0–10V and phase dimming fixtures	✓	✓	✓
Code compliance	✓	✓	✓
Granular dimming and dwell time	✓	✓	✓
Energy reporting and monitoring		✓	✓
Scheduling		✓	✓
Demand response		✓	✓
BMS integration (BACnet)			✓
Floor plan visualization			✓
IoT sensors for wellness			✓
IoT Apps for productivity			✓

Currently supported maximum system size

To be able to design the lighting system correctly for the customer, it is important to know the prime characteristics of the system, its possibilities and limitations.

System level	
Total number of gateways	Unlimited
Total number of devices	200 per network
• luminaires with integrated sensors	150
• smart TLEDS	150
Total number of ZGP devices (sensors and switches)	50
• sensors	30
• switches	50
• zones and groups	64
Group level	
Recommended number of lights	40 (recommended 25)
Number of ZGP devices	5
Number of scenes	16



P6R LyteProfile 6"

Round Downlight & Lensed Wall Wash

Wireless Controls Options

Interact Pro scalable sensor (System Bridge Accessory with -CS option):

- CS is a connected sensor with integral occupancy and daylight sensing and supports wireless mesh connectivity.
- The sensor works in the Foundation mode (similar to SpaceWise) when configured without a gateway or in an Interact Pro Advanced or Enterprise mode if a compatible gateway is used.
- Interact Pro includes an App, a portal and a broad portfolio of wireless luminaires, lamps and retrofit kits all working on the same system.
- Startup is implemented via Interact Pro App (Android or iPhone) & BlueTooth connectivity. The App provides flexibility to choose between a gateway or non gateway mode for setup.
- Setup with the gateway requires wired internet access to the gateway. It is possible to add a gateway at a later point.
- Prepare project configuration steps remotely and use IRT9015 remote onsite to identify and group devices together.
- Compatible with:
  - UID8451/10 wireless dimmer switch
  - SWS200 wireless scene switch
  - Battery powered IP42 presence sensor OCC sensor IA CM WH 10/1
  - Battery powered IP42 presence & daylight sensor OCC-DL sensor IA CM IP42 WH
  - Battery powered IP65 presence sensor OCC sensor IA CM IP65 WH
  - Battery powered IP65 presence & daylight sensor OCC-DL sensor IA CM IP65 WH
- For more information on Interact Pro visit: www.interact-lighting.com/interactproscalablesystem.

Interact Pro Enterprise (System Bridge Accessory with -SB option):

- A wireless IoT connected lighting solution for large enterprises that span across multiple floors, buildings and require multiple gateways.
- View all your projects under one dashboard and easily compare insights from multiple projects in one view.
- Compatible with UID8451/10 wireless dimmer switch, SWS200 wireless scene switch, wireless Occ sensor (OCC SENSOR IA CM IP42 WH 10/1) and wireless Day/Occ sensor (OCC MULTI SENSOR IA CM WH 10/1) and wireless Occupancy or Daylight & Occupancy sensors available.
- Use Interact software and insights to increase building efficiency, achieve building wide integration and optimize space through occupancy analytics.
- SB option in addition to occupancy and daylight sensing supports advanced IoT capabilities such as people estimation analysis, desk level temperature & humidity sensing, noise classification, and BLE beacon.
- Requires compatible Gateway and internet connectivity for commissioning.
- For more information, visit: www.interact-lighting.com/office or www.usa.lighting.philips.com/systems/system-areas/offices.

Emergency Options (ER100) (System Bridge Accessory with -ER100 option):

- Power Sensing (Factory default) – Recommended UL924 option requires unswitched power sense line, absence of voltage on the normal circuit triggers luminaire to 100% output
- Power Interruption Detection (Field option) – Detects AC power interruption >30ms triggers 90 minute emergency mode with luminaire at 100% output

Radio only sensor (RADIO):

- Integral RADIO only sensor simply enables wireless mesh connectivity to the luminaire without any occupancy or daylight sensing.
- Ideal for applications where sensing functionality is managed by other Interact devices and the luminaire only needs to have wireless connectivity.

Wired Controls Options

Interact Office Wired (PoE):

- PoE based IoT connected lighting solution for large enterprises that span across multiple floors, buildings and require multiple gateways.
- Use Interact Office software and insights to increase building efficiency, achieve building wide integration and optimize space through occupancy analytics.
- Supports advanced IoT Apps on Personal Control, Space Management, wayfinding, room/desk reservation and offers open APIs for light control and data exchange.
- PoE lighting controller is accessible from below.
- Integral sensor option for occupancy sensing (PIR) and/or daylight harvesting available for additional energy savings.
- Optional integral emergency controller and battery pack provides 600lm nominal output.
- Test switch and indicator light mounted on side of chassis on one end.
- Emergency battery has a 3 month pre-installed shelf life, and must be stored and installed in environments of 20C to 30C (-4F to 86F) ambient, and 45-85% relative humidity.
- For more information on Interact Office Wired, visit: www.interact-lighting.com/office or www.usa.lighting.philips.com/systems/system-areas/offices.

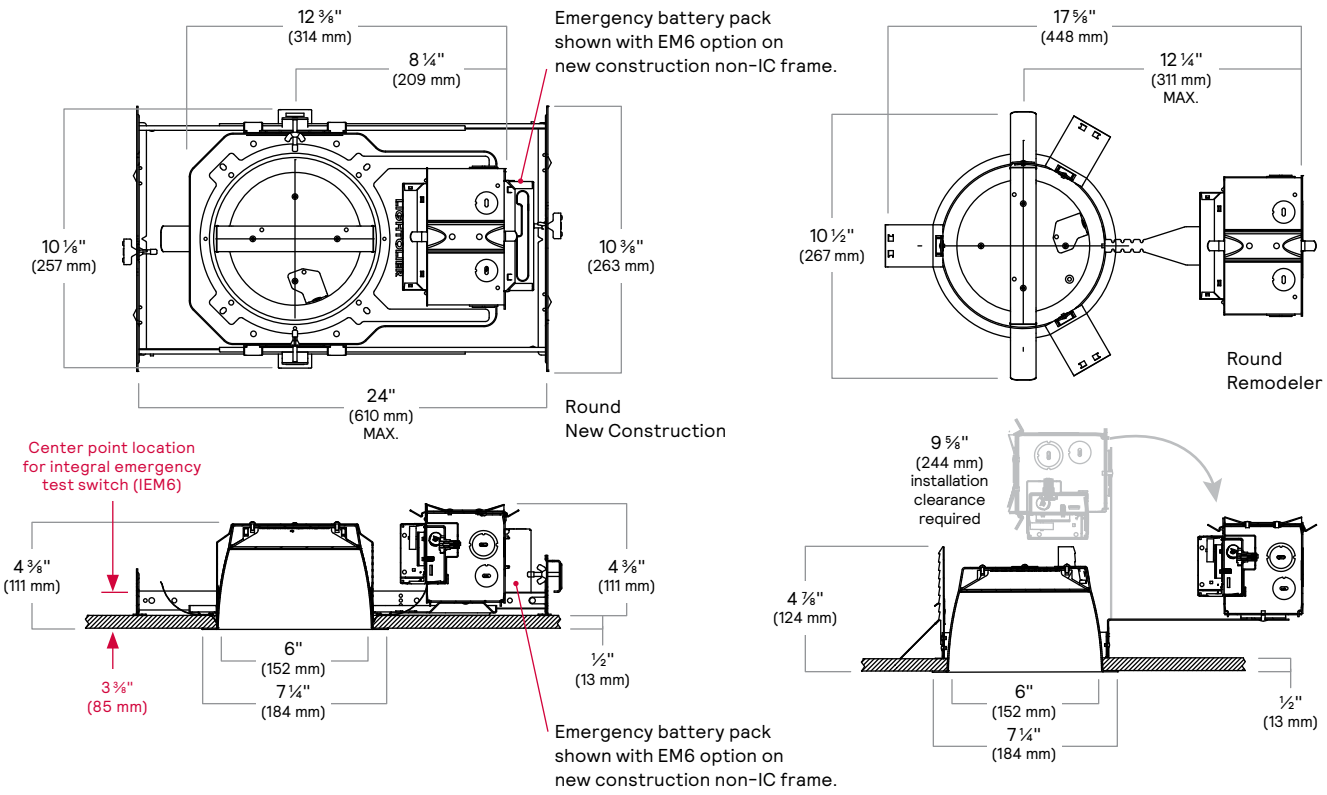
Interact Office Wired (PoE), Static White:

- A wireless IoT connected lighting solution for large enterprises that span across multiple floors, buildings and require multiple gateways.
- View all your projects under one dashboard and easily compare insights from multiple projects in one view.
- Compatible Zigbee Green Power wall dimmer and wireless Occupancy or Daylight & Occupancy sensors available.
- Use Interact Office software and insights to increase building efficiency, achieve building wide integration and optimize space through occupancy analytics.
- Supports advanced IoT Apps on wayfinding, room/desk reservation and offers open APIs
- Requires compatible Interact Office Gateway and internet connectivity for commissioning.
- For more information on Interact Office Wireless, visit: www.interact-lighting.com/office or www.usa.lighting.philips.com/systems/system-areas/offices.

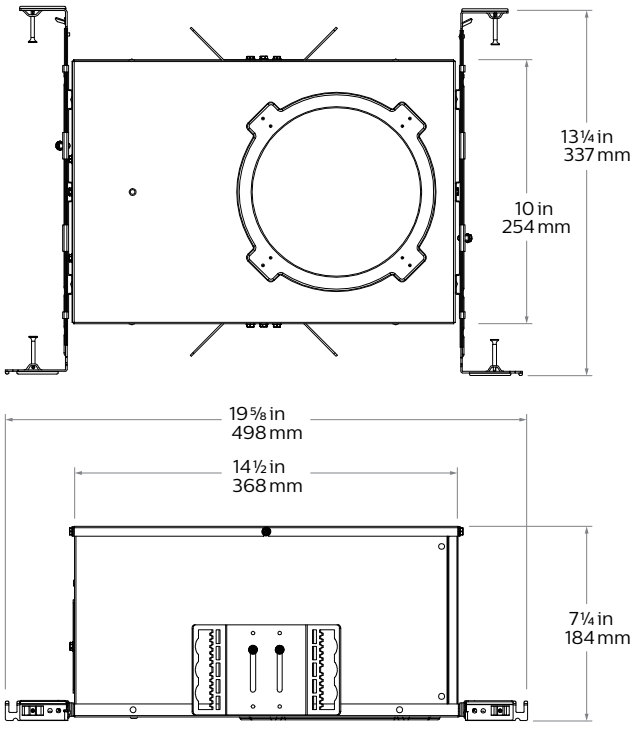
P6R LyteProfile 6"

Round Downlight & Lensed Wall Wash

Dimensions



AirSeal (A)



Electrical

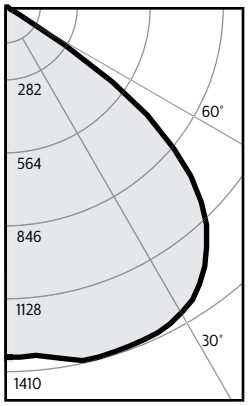
Product	Input Volts	Input Frequency	Input Current (A)	Input Power (W)
P6*10*Z10U/3	120	50/60Hz	0.083	10
	277		0.038	10
P6*15*Z10U/3	120	50/60Hz	0.125	15
	277		0.061	15
P6*20*Z10U/3	120	50/60Hz	0.17	21
	277		0.078	21
P6*25*Z10U/3	120	50/60Hz	0.21	25
	277		0.096	26
P6*30*Z10U/3	120	50/60Hz	0.27	32
	277		0.12	33
P6*35*Z10U/3	120	50/60Hz	0.32	38
	277		0.14	37
P6*10*LU	120	50/60Hz	0.093	10
	277		0.046	10
P6*15*LU	120	50/60Hz	0.13	15
	277		0.07	15
P6*20*LU	120	50/60Hz	0.175	20
	277		0.085	21
P6*25*LU	120	50/60Hz	0.21	25
	277		0.099	25
P6*30*LU	120	50/60Hz	0.274	31
	277		0.122	31
P6*35*LU	120	50/60Hz	0.32	36
	277		0.14	37

P6R LyteProfile 6"

Round Downlight & Lensed Wall Wash

P6RDL30835CLZ10U • 30W LED, 80CRI, 3500K

Candela Curves



Angle	Mean CP	Lumens
0	1361	
5	1362	131
10	1391	
15	1408	398
20	1403	
25	1397	644
30	1372	
35	1316	820
40	1218	
45	1073	816
50	852	
55	506	428
60	60	
65	12	17
70	6	
75	3	4
80	2	
85	1	1
90	0	

Report[1]: 1552GFR

Output lumens:	3258 lms	Efficacy:	107.5 lm/w
Spacing Criterion:	1.5	CCT[3]:	3500K
Beam Angle:	101°	CRI:	80 min
Input Watts[2]:	30.3 W		

Single unit data

Height to Lighted Plane	Initial center beam foot-candles	Beam dia. (ft)*
5'	54	7.5'
6'	38	9.0'
7'	28	10.5'
8'	21	12.0'
9'	17	13.5'

* Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data - RCR 2

Spacing on center	Initial center beam foot-candles	Watts per sq.ft.
5'	141.2	1.34
6'	92.7	0.88
7'	66.2	0.63
8'	55.2	0.52
9'	44.1	0.42

38'x38'x10' Room, Workplane 2.5' above floor, 80/50/20% Reflectances

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method - Effective floor reflectance = 20%										
0	119	119	119	119	116	116	111	111	106	106	100
1	112	108	105	102	106	101	102	98	98	95	90
2	104	98	93	88	96	87	93	85	90	83	80
3	97	88	82	77	87	76	84	75	81	73	70
4	90	80	72	67	78	66	76	66	74	65	62
5	83	72	64	59	71	58	69	58	67	57	55
6	77	65	58	52	65	52	63	51	61	51	49
7	72	60	52	46	59	46	57	46	56	46	44
8	67	55	47	42	54	41	53	41	51	41	39
9	62	50	43	38	50	37	48	37	47	37	35
10	58	46	39	34	46	34	45	34	44	34	32

Room Cavity Ratio

Zonal lumens & percentages

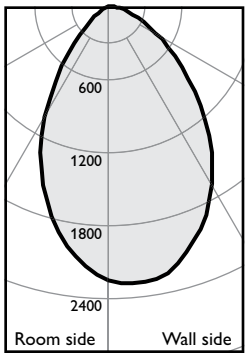
Zone	Lumens	%Luminaire
0-30	1173.33	36.0%
0-40	1993.21	61.2%
0-60	3236.94	99.3%
0-90	3258.47	100.0%

CRI and CCT adjustment factors

90 CRI 2700K	= 84%
80 CRI 2700K	= 100%
80 CRI 3000K	= 100%
80 CRI 3500K	= 105%
80 CRI 4000K	= 109%

P6RLW30835CLPZ10U • 30W LED, 80CRI, 3500K

Candela Curve



Report[1]:	**1560GFR**
Efficacy:	104.6 lm/w
Output lumens:	3177 lms
Input watts[2]:	30.3 W
CRI:	80 min
CCT[3]:	3500K

Multiple unit data
Footcandles on wall

Distance from ceiling in feet	2' from wall	3' on ctr.	
1	74	48	74
2	111	91	111
3	96	90	96
4	74	72	74
5	56	56	56
6	43	44	43
7	35	35	35
8	29	29	29
9	24	24	24
10	21	21	21
12	17	17	17
14	15	15	15

Multiple unit data
Footcandles on wall

Distance from ceiling in feet	3' from wall	3' on ctr.	
1	28	25	28
2	56	54	56
3	69	67	69
4	67	67	67
5	59	59	59
6	50	50	50
7	42	42	42
8	36	36	36
9	31	31	31
10	27	27	27
12	21	21	21
14	18	18	18

Multiple unit data
Footcandles on wall

Distance from ceiling in feet	3' from wall	4' on ctr.	
1	24	18	24
2	46	38	46
3	55	49	55
4	52	49	52
5	46	45	46
6	38	38	38
7	33	33	33
8	28	28	28
9	24	24	24
10	21	21	21
12	17	17	17
14	14	15	14

1. Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.
2. Wattage: controlled to within 5%
3. Correlated Color Temperature: within specs as defined in ANSI_NEMA_ANSLG C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.

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Architectural Lighting - Specialty

Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALO-004-SI

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Interior Sconce Light Fixture
Item Type	Jelly Jar Sconce
Description	Die Cast aluminum jelly jar sconce with cage. Heat and shock resistant optical chamber. Lamps supplied with fixture.
Manufacturer	Signify / Stonco
Model	RoughLyte LED VWXL14NW-G18 VGC100
Dimensions	4.3"W x 11.4"H
Finish	Die Cast Aluminum with Clear Glass Globe
CSI #	265100 Interior Lighting
Omniclass #	22-265100 Interior Lighting
Lamp Type	LED
Lamp Kelvin	4000K
Voltage	120-277V
Mount	Wall
On Dimming System	No
Delivered Lumens (LED) or Mean Lumens (Non-LED)	1390
Lens/Shade	Clear Glass Globe
Lamp CRI	70
Finish	Die Cast aluminum, powder coat white
Warranty	5-year limited
Notes	Lamp Life: 50,000 Efficacy: 102 LPW Wattage: 14

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Elevators

Stonco

by signify

Special Purpose

RoughLyte LED

VCXL / VWXL

Project:

Location:

Cat.No:

Type:

Lamps: Qty:

Notes:

End your search for durable lighting that will really last, choose Stonco RoughLyte LED, available in 14W and providing up to 1390 lumens. Applications include wall and ceiling mounted exterior surfaces and Roughlyte LED fixtures guard against moisture and debris (for globe down mounting only).

Ordering guide

Example: VCXL-14-NW-G1-8

Luminaire	Wattage	Generation	Voltage
	14	NW-G1	8
VCXL Ceiling 4" box mounted **VWXL** Wall 4" box mounted	**14** 14W	**NW-G1** Neutral White, 4000K, 70CRI, Generation 1	**8** 120-277VAC

Specifications

Housing

Die-cast aluminum back plate and heat sink sealed with a thermal shock-resistant frosted glass globe and a die cast guard secured with stainless steel hardware.

Electrical

Constant current driver with efficiency >85% at full load. Available in 120-277V. IP65 compliant driver. RoHS compliant.

LED Board and Array

1 CoB (chip on board) LED. Color temperature 4000K. Minimum CRI of 70.

Mounting

Built in junction box with 5" mounting flanges and 1/2" NPT for threaded conduit on the sides.

Energy Saving Benefits

System efficacy up to 102lms/W with significant energy savings over incandescent luminaires.

Listings

UL/cUL listed to the UL 1598 standard, suitable for Wet Locations. Suitable for use in ambient from -30° to 40°C (-22° to 104°F).

Product is DesignLights Consortium® qualified for the wall mount version.

Finish

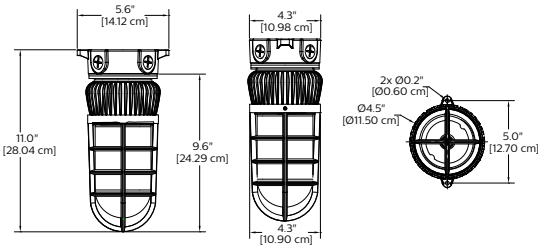
Shot blasted aluminum finish (As casted appearance)

Limited Warranty

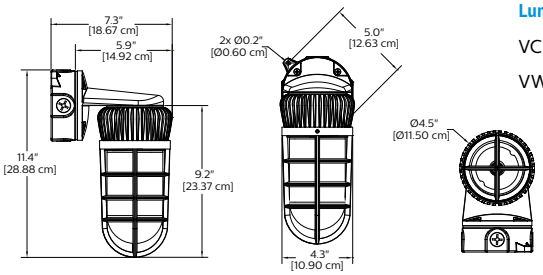
Luminaires are covered by a 5-year limited warranty. See philips.com/warranties for details.

VCXL/VWXL RoughLyte LED

Ceiling Mount (VCXL)



Wall Mount (VWXL)

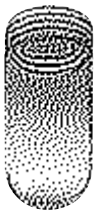


Approximate Luminaire Weight

VCXL = 3.8 lbs (1.7 Kg)

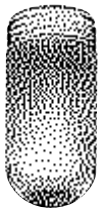
VWXL = 4.0 lbs (1.8 Kg)

Accessories



VGC100
Clear Glass Globe

VGR100
Ruby Glass Globe



VGP100
Clear Prismatic Globe

VPRC5
Prismatic Lexan Globe

Colored and specialty globes

Full molded threads. Fit all Philips Stonco housings.
Globes for vertical mounting only.

Catalog No.	Description
Full molded threads. Fit all Philips Stonco housings. Globes for vertical mounting only.	
VGF100	Frosted
VGC100	Clear
VGP100	Clear, prismatic
VGA100	Amber
VGB100	Blue
VGR100	Ruby
3 1/2" Globe Dia. Lexan	
VPRC5	Clear, prismatic

LED Wattage and Lumen Values

Ordering Codes	Total LEDs	Drive Current (mA)	Color Temp.(K)	Average System Wattage[1]	Type VS		
					Lumen Output[1,2]	Bug Rating	Efficacy (LPW)
VC/VWXL14-NW-G1-8	1	350	4000	14	1390	B1-U3-G1	102

1. Wattage and lumen output may vary by due to LED manufacturer forward volt specification and ambient temperature. Wattage shown is average for 120V through 277V input. Measured wattage may vary due to variation in input voltage.
2. Lumen values based on photometric tests performed in compliance with IESNA LM-79.

Predicted Lumen Depreciation Data

Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions. L70 is the predicted time when LED performance depreciates to 70% of initial lumen output.

Calculated per IESNA TM21-11. Published L70 hours limited to 6 times actual LED test hours.

Ordering Codes	Ambient Temperature °C	System Current	L_{70} per TM21[1,2]	Lumen Maintenance @ 60,000hrs
VC/VWXL14-NW-G1	25C	350mA	>54,000	86%

1. L70 is the predicted time when LED performance depreciates to 70% of initial lumen output.
2. Calculated per IESNA TM 21-11. Published L70 hours limited to 6 times actual LED test hours.

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Telephone 855-486-2216

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281 Hillmount Road,
Markham, ON, Canada L6C 2S3
Telephone 800-668-9008

Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALO-005

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Submersible Light Fixture
Item Type	Pool Light
Description	Underwater pool light
Manufacturer	Pool Manufacturer
Model	Provided by Pool Manufacturer
Dimensions	TBD
Finish	Stainless Steel
CSI #	265600 - Exterior Lighting
Omniclass #	22-265600 - Exterior Lighting
Lamp Type	LED

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS

MANUFACTURER	AREAS
ALTERNATE MANUFACTURER 2	Indoor Pool Outdoor Pool
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALO-006-INS

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Interior Sconce Light Fixture
Item Type	Natatorium Rated Wall Sconce
Description	"D2" Wet listed (IP66 Option) natatorium rated fixture with aluminum treated powder-coat painted finish, Stainless Steel Hardware. ETL approved. Surface Mounted.
Manufacturer	Insight Lighting
Model	D2-200-40K-SM-UNV-NO-TW-IP66-CRF
Dimensions	23"L x 16"D x 4.12"H
Finish	Textured White
CSI #	265000 - Lighting Fixtures
Omniclass #	22-265000 Lighting Fixtures
Quality Standards	ETL Approved
Lamp Type	LED
Dimming Type	0-10V
Lamp Kelvin	4000K
Voltage	120-277V
Mount	Wall
On Dimming System	No
Delivered Lumens (LED) or Mean Lumens (Non-LED)	20145
Lens/Shade	Clear Tempered Glass
Lamp CRI	80
Finish	Textured White
Warranty	5 years
Notes	Lamp Life: 84,000 hrs Efficacy: 103.0 lm/W

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Insight Lighting
Contact Name:
Phone: 505-345-0888
Email: sales@insightlighting.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Indoor Pool

insight lighting

D2

INDIRECT ASYMMETRIC | WHITE LIGHT

PROJECT:	TYPE:	CAT. #: D2 - - - - - - -

PROFILE

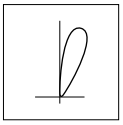
LIGHT SOURCE	200 W, 300 W, 380 W
DISTRIBUTION	ASYMMETRIC INDIRECT
CCT	2700K, 3000K, 3500K, 4000K
CRI	80 CRI
VOLTAGE	UNIVERSAL 120-277V (347V OPTIONAL)
POWER	INTEGRATED POWER SUPPLY
DIMMING	0-10V (DIMS DOWN TO 10%)
WEIGHT	40 LBS (18.1 KG)
HOUSING	EXTRUDED ALUMINUM HOUSING
LENS	TEMPERED GLASS
FINISH	HIGH DURABILITY POWDER COATING
WARRANTY	5-YEAR LIMITED
OPERATING TEMP	-40° C TO 50° C (380W -40° TO 40°C)
LUMEN MAINTENANCE	84,000 HOURS
CERTIFICATION	ETL AND cETL FOR DRY LOCATION
	IP66 OPTION

FIXTURE SHOWN:
D2-300-35K-SM-UNV-DIM-TW

FINISHES

TEXTURED WHITE | TEXTURED BLACK | TEXTURED BRONZE | TEXTURED L. BRONZE | TEXTURED GRAY | TEXTURED S. STONE

OPTICS

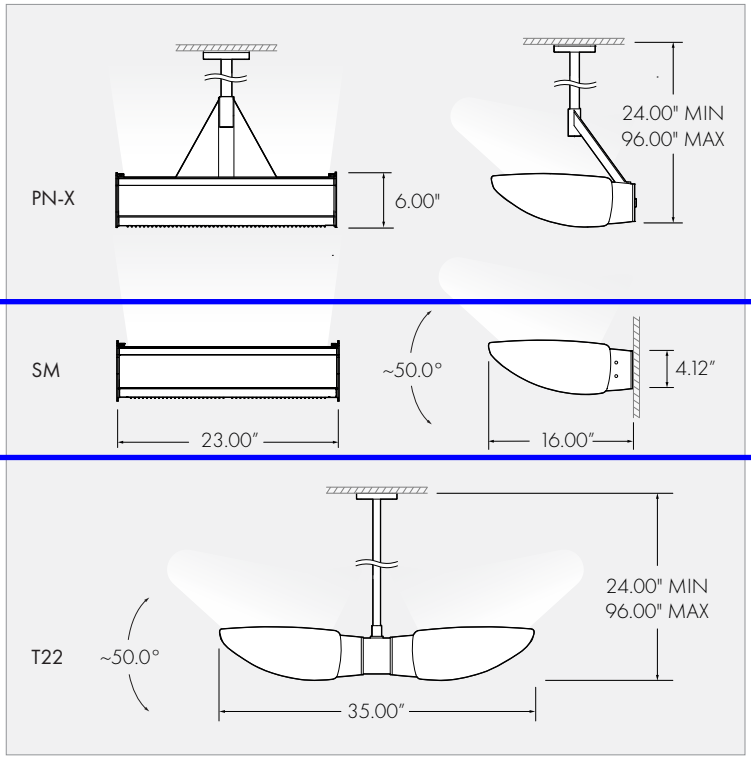


ASYMMETRIC

PERFORMANCE SUMMARY

4000K	LUMENS	EFFICACY
200.0 W	20145 LM	103.0 LM/W
300.0 W	34084 LM	110.0 LM/W
380.0 W	38174 LM	100.0 LM/W

DIMENSIONS



insight lighting
4341 Fulcrum Way NE, Rio Rancho New Mexico 87144
P.: 505.345.0888 | insightlighting.com

insight lighting

D2

INDIRECT ASYMMETRIC | WHITE LIGHT

PROJECT: TYPE: CAT. #: D2 - - - - - - -

SPECIFICATION

Separate options with dashes

D2 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8

1 FIXTURE

D2 INTERIOR	D2

For exterior use see IP66 option
For use in natatorium applications use **CRF** and **IP66** options

2 WATTAGE

200 W	200
300 W	300
380 W	380

380 W maximum 40°C ambient temperature
See D1 for lower wattages

3 CCT

2700K	27K
3000K	30K
3500K	35K
4000K	40K

4 MOUNTING

SURFACE/WALL	SM
PENDANT SINGLE FIXTURE	PN-X
PENDANT TWIN FIXTURE	T22-X

X = specify pendant length (24" min, 96" max)
See options for Swivel Canopy
Ceiling canopies are painted semi-gloss white

5 VOLTAGE

UNIVERSAL	UNV

120V - 277V

347V	347

Contact factory for 347V

6 CONTROLS

NON-DIMMING	NO
0-10V DIMMING	DIM

Dims to 10%. Contact factory for 1% dimming.
Dimming controls to be supplied by others.
Dimming controls to be supplied by others.

7 FINISH

TEXTURED WHITE	TW
TEXTURED BLACK	TB
TEXTURED BRONZE	TBR
TEXTURED LIGHT BRONZE	TLB
TEXTURED GRAY	TG
TEXTURED SANDSTONE	TS
CUSTOM COLOR	CC

Contact factory for custom color - additional charges will apply
Ceiling canopies are white unless otherwise specified

8 OPTIONS

SWIVEL CANOPY	SC

For use with **PN** and **T22** mounting options

COLUMN MOUNT	CM-X

Contact factory for column mount

IP66 RATING	IP66

For exterior use

CORROSION RESISTANT FINISH	CRF

CRF is recommended for natatorium applications, coastal, and extreme exterior environments

insight lighting
4341 Fulcrum Way NE, Rio Rancho New Mexico 87144
P.: 505.345.0888 | insightlighting.com

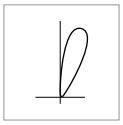
insight lighting

D2

INDIRECT ASYMMETRIC | WHITE LIGHT

PROJECT:	TYPE:	CAT. #: D2 - - - - - - -

PERFORMANCE

	200 WATTS		300 WATTS		380 WATTS	
OPTIC	DELIVERED LUMENS	LUMINAIRE EFFICACY	DELIVERED LUMENS	LUMINAIRE EFFICACY	DELIVERED LUMENS	LUMINAIRE EFFICACY
ASYMMETRIC 	20145 LM	103.0 LM/W	34084 LM	110.0 LM/W	38174 LM	100.0 LM/W

WIRING

FIXTURES PER CIRCUIT

*Based on 13AMP circuit

200 WATTS		300 WATTS		380 WATTS	
120V	277V	120V	277V	120V	277V
8	18	5	12	3	9

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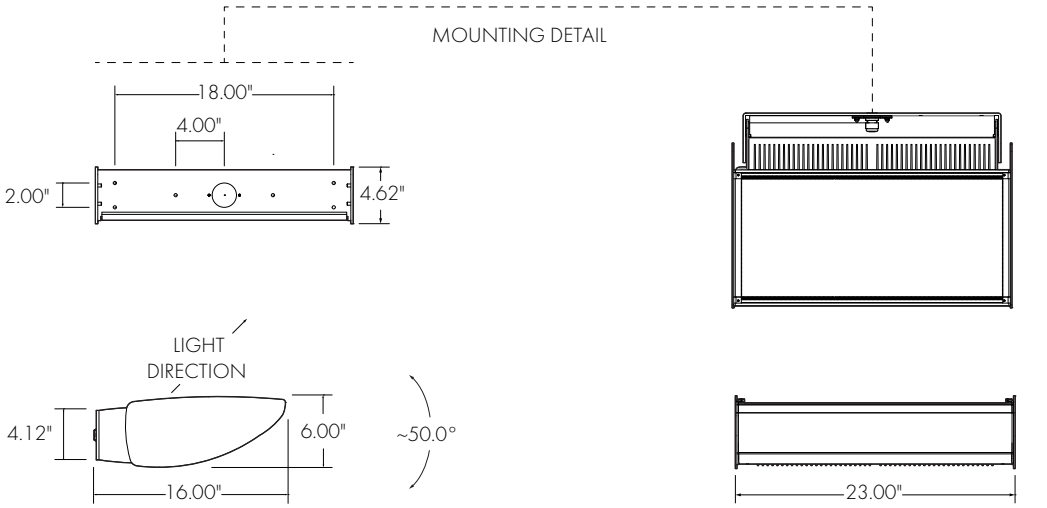
4341 Fulcrum Way NE, Rio Rancho New Mexico 87144
P.: 505.345.0888 | insightlighting.com

insight lighting

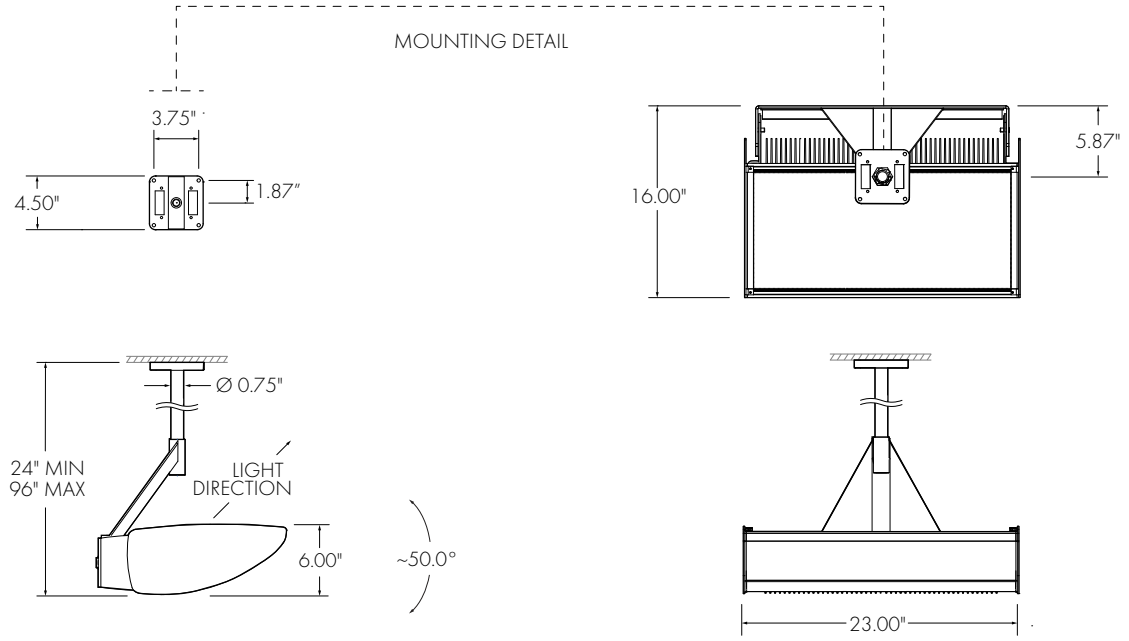
PROJECT:	TYPE:	CAT. #: D2 - - - - - - - -

DIMENSIONS

D1 - SURFACE/WALL (SM)



D1 - PENDANT SINGLE FIXTURE (PN)



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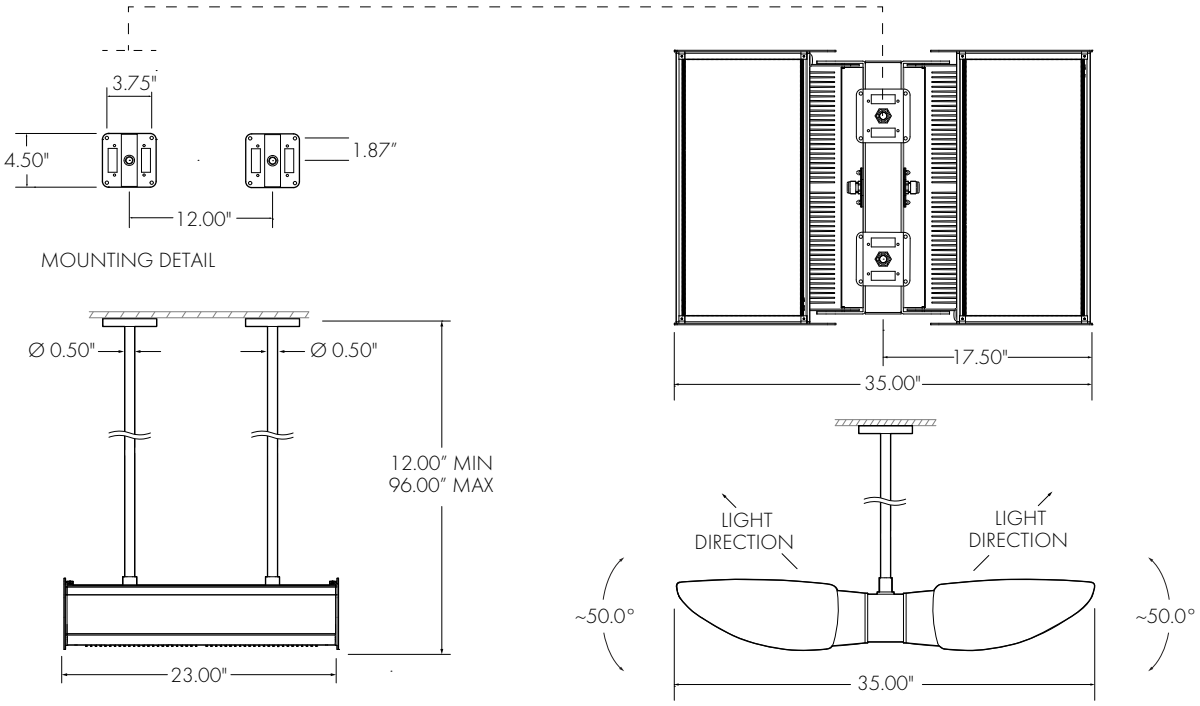
PROJECT:	TYPE:	CAT. #: D2 - - - - - - - -

D1 - PENDANT TWIN FIXTURE (T22)



insight lighting
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P.: 505.345.0888 | insightlighting.com

Architectural Lighting - Strip Lighting

Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALJ-020-CL

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Strip Light
Item Type	Surface Mounted Wrap Strip Light
Description	4' - "WNLED" Surface Mounted
Manufacturer	Cooper Ligthing/Metalux
Model	4WNLED-LD4-40SL-F-UNV-L835-CD1-U
Dimensions	7-5/8"W x 48"L x 2-1/2"H
CSI #	22-265100 - Interior Lighting
Omniclass #	265100 - Interior Lighting
Dimming Type	0-10V
Mount	Surface Mount
On Dimming System	Yes
Lens/Shade	Frost Acrlic Lens
Fixture Input (Max. Watts)	36
Lamp Type	LED
Lamp Kelvin	3500K
Voltage	120-277V
Delivered Lumens (LED) or Mean Lumens (Non-LED)	4062
Finish	White
Lamp CRI	85+
Warranty	Five Year Warranty
Notes	Efficacy: 125.1 Lamp Life/Fixture Life: 60,000 Hrs

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 2

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

ALTERNATE MANUFACTURER 3

AREAS

Pool Equipment
Pool Storage

ALTERNATE MANUFACTURER 4	

Project		**Catalog #**	4WNLED-LD4-40SL-F-UNV-L835-CD1-U	**Type**	
Prepared by	Kathleen Kenny National Accounts	**Notes**	Ph/Cell: 678-447-5208 Kathleen.kenny@cooperlighting.com	**Date**	

Metalux

WNLED

Utility LED Wraparound

Typical Applications
Commercial • Schools • Institutional • Retail • Residential

Interactive Menu

- Order Information page 2
- Photometric Data page 3
- Product Warranty

Product Certification

Product Features

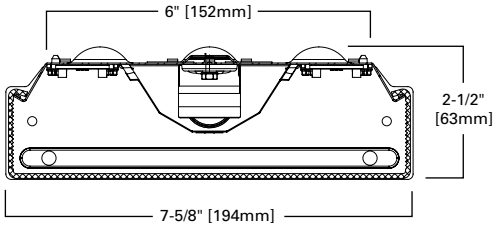
damp location

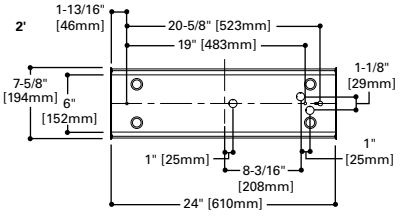
MWS MODULAR WIRING SYSTEM CLICK HERE

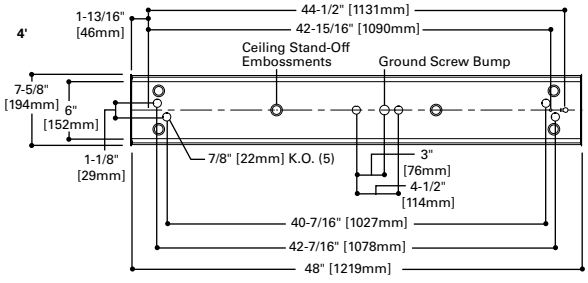
Top Product Features

- 4 ft. and 2 ft. product configurations
- Frost lens offers best-in-class uniform illumination
- UNV (120V-277V) 0 to 10V dimmable driver
- Color Temperature (CCT): 3000K, 3500K, 4000K, 5000K
- Ideal for single or continuous row applications

Dimensional and Mounting Details







Metalux WNLED

Order Information

SAMPLE ORDER NUMBER: **4WNLED-LD4-40SL-F-UNV-L840-CD1-U**

Length | Series | Lamp Type | Lumen Output | Lens | Voltage | Emergency Options

Length	Series [3]	Lamp Type	Lumen Output	Lens	Voltage	Emergency Options [6]
~~2=2 ft.~~ **4**=4 ft.	**WNLED**=Utility LED Wraparound	**LD4**=LED	**28SL**=2800 [1] **32SL**=3200 **40SL**=4000 **50SL**=5000	**F**=Frost Acrylic (standard)	**347**=347V [2] ~~**480**=480V [2]~~ **UNV**=Universal Voltage 120-277	**EL7W**=7-watt, 120V-277V emergency battery pack installed [4],[5] **EL14W**=14-watt 120V-277V emergency battery pack installed [4],[5]
	Notes (3) DesignLights Consortium® Qualified and classified for DLC Standard, refer to www.designlights.org for details.		**Notes** (1) 2 ft. model.		**Notes** (2) 4 ft. model only.	**Notes** (4) With integral test switch/indicator/laser test. For approximate delivered lumens multiply the lumens per watt of the desired fixture by the wattage of the emergency battery pack (100 lm/W x 7=700 lumens). IES-format photometry for luminaire under emergency operation available.(5) Emergency options not available for 2 ft. versions. (6) Emergency options use taller ballast cover that alters appearance.

CCT Options | Driver Type | Number of Drivers | Packaging

CCT Options	Driver Type	Number of Drivers	Packaging
~~**L830**=3000K~~ **L835**=3500K ~~**L840**=4000K~~ **L850**=5000K	**CD**=0-10V Dimming Driver (10%-100% Dimming)	**1**=1 Driver	**U**=Unit Pack

Accessories

Accessories (order separately)
SCF=Fixed Stem Set (Specify Length), (2 Per Fixture) **SCS**=Swivel Stem Set (Specify Length), (2 Per Fixture) **SCA**=Adjustable 48" Stem Set (2 Per Fixture) **A1B/Spacer-U**=Spacer 1-1/2" to 2-1/2" from ceiling (Use 2 Per Fixture) **D82A140WNLED224 PK**=Replacement Lens for 2WNLED **D82A140WNLED248 PK**=Replacement Lens for 4WNLED

Product Specifications

Construction
- Housing consists of die formed cold rolled steel
- Ends formed with the housing for strength and provisions for continuous row aligners.
- Steel end plates with 7/8" KO and light-seal embossment
- Driver cover can be removed without tools

Controls
- WNLED has a standard 0-10V continuous dimming driver. Works with most 0-10V control/dimmer.
- Combine with energy saving products like occupancy sensors, daylighting controls and lighting relay panels to maximize energy savings
- Dimming range is 10% to 100% ; varies by control device

Electrical
- LED's available in 3000K, 3500K, 4000K and 5000K with a min. 80 CRI
- Projected life at 70% lumen maintenance is nearly 150,000 hours with TM21 rating up to L88 > 60,000 hours
- Electronic drivers are 0-10V dimming at 120-277V, 347V, and 480V applications

Emergency Battery Pack Option
- Optional 120V-277V integral emergency battery pack at 7 or 14-watts
- The 90-minute batteries provide constant power to the LED system, ensuring code compliance
- The patented EZ Key prevents accidental discharge of the battery during installation

Finish
- Multistage iron phosphate pretreatment ensures maximum bonding and rust inhibitor
- High reflective paint after fabrication, baked white enamel finish is standard

Channel/Wireway Cover
- Die formed heavy gauge steel
- Tight fit for ease of maintenance

Shielding
- Acrylic, high performance, frost blend
- Sides have internal linear prisms and bottom has pyramidal prisms for brightness control

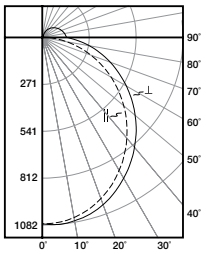
Installation
- Fixture may be surface, pendant, or stem mounted.
- See accessories below for ordering information

Compliance
- Indoor luminaires are cULus listed for 25°C ambient environments, damp location listed, RoHS compliant, and LED modules comply with IESNA LM-79 and LM-80 standards
- DesignLights Consortium® Qualified and classified for DLC Standard, refer to www.designlights.org for details
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- Can be used for State of California Title 24 high efficacy luminaire

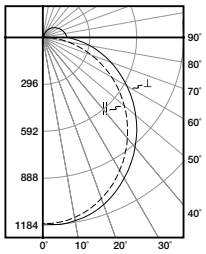
Metalux WNLED

Photometric Data

View IES files



4WNLED-LD4-32SL-F-UNV-L835-CD1-U
Electronic Driver
Linear LED 3500K
Spacing criterion: (II) 1.22 x mounting height, (⊥) 1.29 x mounting height
Lumens: 3682
Input Watts: 28.8W
Efficacy: 127.8 LPW
Test Report: 4WNLED-LD4-32SL-F-UNV-L835-CD1-U.IES



4WNLED-LD4-40SL-F-UNV-L835-CD1-U
Electronic Driver
Linear LED 3500K
Spacing criterion: (II) 1.22 x mounting height, (⊥) 1.29 x mounting height
Lumens: 4029
Input Watts: 32.2W
Efficacy: 125.1 LPW
Test Report: 4WNLED-LD4-40SLF-UNV-L835-CD1-U.IES

Energy and Performance Data by Catalog

Lumen Type	Length	Catalog Number	Nominal 3500K Lumens	Watts	lm/W
Standard	2 ft.	2WNLED-LD4-28SL-F-UNV-L8XX-CD1-U	2861	24.2	118
Standard	4 ft.	4WNLED-LD4-32SL-F-UNV-L8XX-CD1-U	3682	28.8	128
Standard	4 ft.	4WNLED-LD4-40SL-F-UNV-L8XX-CD1-U	4029	32.2	125
Standard	4 ft.	4WNLED-LD4-50SL-F-UNV-L8XX-CD1-U	5064	42.4	118

CCT Table

Approximate Color Temperature	Multiplier
5000K	1.02
4000K	1.02
3500K	1.00
3000K	0.97

Shipping Data

Catalog No.	Wt.
2WNLED	5 lbs.
4WNLED	9 lbs.

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Specifications and dimensions subject to change without notice.

Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALJ-020-SI

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Strip Light
Item Type	Surface Mounted Wrap Strip Light
Description	4' - "OWL" Surface Mounted
Manufacturer	Signify / Day-Brite
Model	OWL440L835-UNV-DIM
Dimensions	8-5/8"W x 48"L x 2-11/16"H
CSI #	265100 Interior Lighting
Omniclass #	22 - 265100 Interior Lighting
Dimming Type	0-10V
Mount	Surface Mount
On Dimming System	Yes
Lens/Shade	Frost Acrylic Lens
Fixture Input (Max. Watts)	47
Lamp Type	LED
Lamp Kelvin	3500K
Voltage	120-277V
Delivered Lumens (LED) or Mean Lumens (Non-LED)	4042
Finish	White
Lamp CRI	85+
Warranty	Five Year Warranty
Notes	Efficacy: 87 Lamp Life/Fixture Life: 50,000 Hrs

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

ALTERNATE MANUFACTURER 2

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 3

AREAS

Pool Equipment
Pool Storage

ALTERNATE MANUFACTURER 4	

Day-Brite

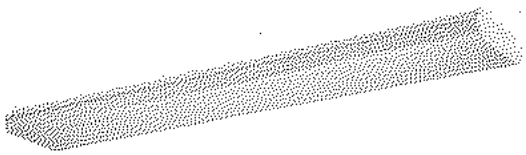
CFI

by signify

Linear

OWL wraparound

2', 4', 8'
3000, 4000, 5000, or 7000lm



ALJ-020-SI

Day-Brite / CFI OWL LED wraparound is the ideal surface mount general illumnation luminaire for light commercial and residential applications. The high efficiency LED light engine provides exceptional performance coupled with quality visual light.

Project:
Location:
Cat.No:
Type:
Lamps: Qty:
Notes:

Ordering guide

Example: OWL240L840-UNV-DIM

Series	Length	Lumen Package[2]	Color Temp.	Voltage	Driver
OWL	4	40L	835 –	UNV –	DIM
OWL OW LED wraparound	**2** 2' length	**30L** 3000 lumens **40L** 4000 lumens	**830** 80 CRI, 3000K **835** 80 CRI, 3500K **840** 80 CRI, 4000K **850** 80 CRI, 5000K	**UNV** Universal voltage 120/277V **347** 347V	Non-dim[4] **DIM** 0-10v dimming driver **SDIM**[3] Step dimming to 40% input power **EMLED**[5] Integral emergency battery pack **GLR** Fusing, fast blow **BAC**[6] Meets the requirements of the Buy American Act of 1933 (BAA)
	4 4' length **8'**[1] 8' length	**40L** 4000 lumens **50L**[3] 5000 lumens **70L**[3] 7000 lumens			

Footnotes

1 8' tandem units are double nominal lumens shown. Available in 50L (10,000lm) and 70L (14,000lm) flux packages
2 Nominal total delivered lumens
3 SDIM option not available on 50L and 70L flux options
4 Non-Dim driver option available only on the 2' 3000lm OWL230L.
5 EMLED option not available for 347V 5000lm, 7000lm, 8' 10,000lm and 8' 14,000lm, and 2' models
6 Failure to properly select the "BAC" suffix could result in you receiving product that is not BAA compliant product with no recourse for an RMA or refund. This BAC designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies.
7 Consult Signify to confirm whether specific accessories are BAA-compliant.

Accessories[7] (order separately)

- **CS-400 –** Rigid Canopy
- **CS-500 –** 42° Top Swivel Canopy
- **CS-12 –** 12" Stem
- **CS-18 –** 18" Stem
- **CS-24 –** 24" Stem
- **CS-30 –** 30" Stem
- **CS-36 –** 36" Stem
- **CS-48 –** 48" Stem
- **MD360 –** 120/277V field installed occupancy sensor
- **MD360-347 –** 347V field installed occupancy sensor

Stems 3/8" Trade Size (5/8" O.D.).
Will Work with 1/2" trade size K.O.'s.
Locknuts included.

Replacement Lenses

- **2'** OWLED824
- **4'** OWLED848
- **8'** OWLED848 (2/fixture)

Not all product variations listed on this page are DLC qualified. To ensure that a specific model is qualified, visit www.designlights.org/search

OWL LED wraparound

2', 4', or 8', 3000, 4000, 5000, or 7000 lumens

Features

- Tapered shape provides appearance of reduced depth.
- Durable 100% frost acrylic lens shields LEDs from direct view.
- Unique 2' 4000lm configuration can displace a 4' 2x28W T5 fluorescent with 50% smaller carbon footprint.
- 8' tandem 10,000lm (50L) and 14,000lm (70L) units ideal for larger applications.
- Long life LEDs provide 50,000 hours (L70)[1] maintenance free system life.
- Ceiling or suspended mounting.
- Snap in LED pan and driver support is tool free for ease of installation.
- Continuous row mountable.
- 5000lm version capable of providing similar light levels to a 2-light 32W T8 strip while using 15% less energy.[2]
- Continuous 0-10v and 100/40 step dimming options available.
- Minimum operating temperature of -20°C.
- Enclosed lens minimizes penetration of dust, insects and other debris into the lamp compartment.
- Fully enclosed wiring and LED diodes.
- 5 year manufacturer's limited warranty.[1,3]
- DLC listed.[4]

Finish

- Housing and end plates are multi-stage phosphate treated for maximum corrosion resistance and finish coat is high reflectance baked white enamel.

Shielding

- Pattern 12 prismatic acrylic diffuser is specially designed to provide peak performance while minimizing pixilated glare.

Electrical

- LED boards and drivers are RoHS (Restriction of Hazardous Substances) compliant.
- High power factor solid state driver available with non-dimming, 0-10V dimming, and 100/40 step dimming options.
- Total system life rated at 50,000 hours.
- Maximum ambient temperature of 25°C.
- Suitable for cold locations – minimum ambient temperature of -20°C.

Materials

- Heavy gauge cold rolled steel housing, end plates, and LED pan.

Labels

- cETLus listed.
- Suitable for damp locations.
- Many luminaire components, such as reflectors, refractors, lenses, sockets, lampholders, and LEDs are made from various types of plastics which can be adversely affected by airborne contaminants. If sulfur based chemicals, petroleum based products, cleaning solutions, or other contaminants are expected in the intended area of use, consult factory for compatibility.

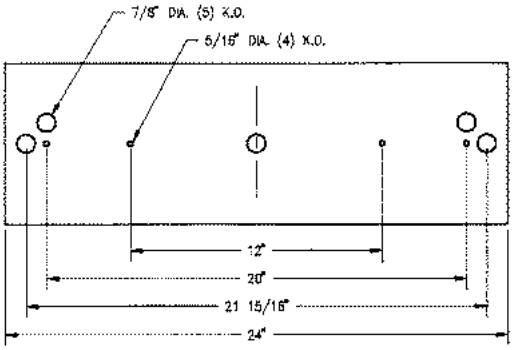
Footnotes:

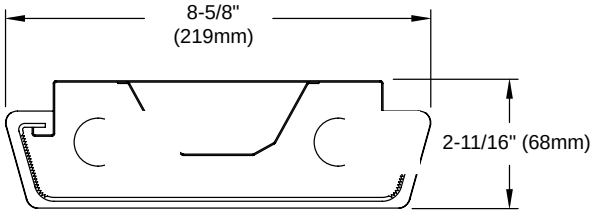
1. Based on 25°C ambient operating temperature.
2. OWL450L840 input power is 53W vs a 2-light F32T8 HPF ballast at 277V drawing 62W.
3. Visit www.signify.com/warranties for complete warranty information.
4. OWL luminaires are Desiglights Consortium® qualified. Please see the DLC QPL list for exact catalog numbers (http://www.designlights.org/QPL).

OWL LED wraparound

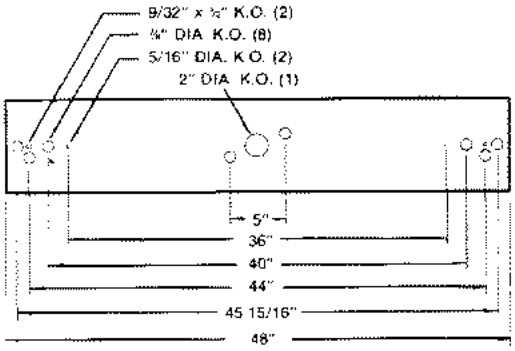
2', 4', or 8', 3000, 4000, 5000, or 7000 lumens

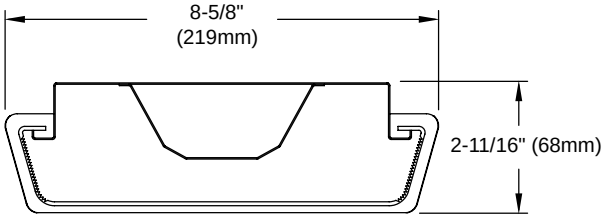
Dimensions 2'

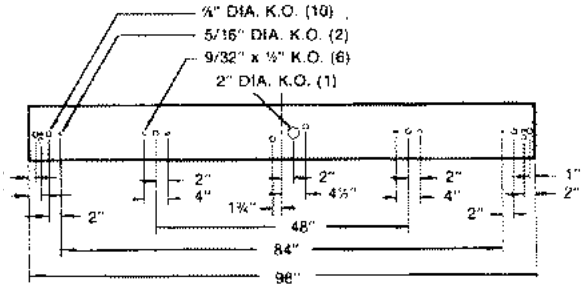




Dimensions 4' & 8'







OWL LED wraparound

2', 4', or 8', 3000, 4000, 5000, or 7000 lumens

OWL LED wraparound 2ft, 3000 nominal delivered lumens

Cat No: OWL230L840-UNV

Report no[1]:	32778
Output lumens:	3205lms
CCT[2]:	4000K
Input watts[3]:	33W
Efficacy:	96lm/w
Comp Yearly Energy Cost at $0.08/KWh:	$2.50

Candela distribution

Angle	End	45°	Cross	Back-45
0	933	933	933	933
5	926	930	929	930
15	891	900	903	900
25	817	840	850	840
35	707	744	764	744
45	569	627	658	627
55	420	491	536	491
65	275	357	410	357
75	146	235	296	235
85	39	133	201	133
95	1	94	171	94
105	1	90	159	90
115	2	77	128	77
125	2	59	94	59
135	2	40	68	40
145	2	25	46	25
155	3	12	26	12
165	3	4	7	4
175	3	3	3	3

Zonal summary (total efficiency)

Zone	End	45	Cross
45	6283	6251	6494
55	5578	5683	6116
65	4764	5093	5745
75	3808	4566	5605
85	2220	4236	6145

Light Distribution

Degrees	Lumens	% Fixture
0-30	728	22.7
0-40	1191	32.7
0-60	2105	65.7
0-90	2842	88.7
90-120	263	8.2
90-130	311	9.7
90-150	355	11.1
90-180	363	11.3
0-180	3205	100.0

Coefficients of utilization

Ceiling	80%			70%			50%	
Wall	70	50	30	70	50	30	50	30
RC / RW	Zonal cavity method Effective floor reflectance = 20%							
0	115	115	115	112	112	112	105	105
1	105	100	94	101	95	92	90	85
2	94	85	79	91	82	77	78	71
3	85	75	67	82	72	65	68	61
4	79	67	57	76	65	56	60	53
5	71	58	50	69	57	48	54	46
6	67	53	44	64	52	42	48	41
7	61	47	40	59	46	39	44	36
8	57	44	35	55	42	34	40	33
9	54	40	32	52	39	32	36	29
10	50	36	28	48	35	28	34	28

Room Cavity Ratio

OWL LED wraparound 2ft, 4000 delivered lumens

Cat No: OWL240L840-UNV-DIM

Report no[1]:	32616
Output lumens:	4042lms
CCT[2]:	4000K
Input watts[3]:	47W
Efficacy:	87lm/w
Comp Yearly Energy Cost at $0.08/KWh:	$2.76

Candela distribution

Angle	End	45°	Cross	Back-45
0	1178	1178	1178	1178
5	1169	1174	1174	1174
15	1124	1136	1138	1136
25	1030	1059	1072	1059
35	893	938	964	938
45	719	790	830	790
55	530	619	678	619
65	347	450	522	450
75	184	298	382	298
85	50	169	263	169
95	1	117	216	117
105	2	111	198	111
115	2	95	160	95
125	2	73	118	73
135	3	48	85	48
145	3	29	57	29
155	4	13	32	13
165	5	5	12	5
175	5	4	12	5

Zonal summary (total efficiency)

Zone	End	45	Cross
45	7932	7879	8200
55	7041	7161	7732
65	6015	6427	7315
75	4802	5778	7227
85	2805	5372	8012

Light Distribution

Degrees	Lumens	% Fixture
0-30	918	22.7
0-40	1502	37.2
0-60	2655	65.7
0-90	3590	88.8
90-120	328	8.1
90-130	387	9.6
90-150	442	10.9
90-180	452	11.2
0-180	4042	100.0

Coefficients of utilization

Ceiling	80%			70%			50%	
Wall	70	50	30	70	50	30	50	30
RC / RW	Zonal cavity method Effective floor reflectance = 20%							
0	115	115	115	112	112	112	105	105
1	105	100	94	101	95	92	90	85
2	94	85	79	91	82	77	78	71
3	85	75	67	82	72	65	68	61
4	79	67	57	7t6	65	56	60	53
5	71	58	50	69	57	48	54	46
6	67	53	44	64	52	42	48	41
7	61	47	40	59	46	39	44	36
8	57	44	35	55	42	34	40	33
9	54	40	32	52	39	32	36	29
10	50	36	28	48	35	28	34	28

Room Cavity Ratio

OWL LED wraparound

2', 4', or 8', 3000, 4000, 5000, or 7000 lumens

OWL LED wraparound 4ft, 4000 nominal delivered lumens

Cat No:
OWL440L840-UNV-DIM

Report no[1]:	32781
Output lumens:	3933 lms
CCT[2]:	4000K
Input watts[3]:	37W
Efficacy:	106 lm/w
Comp Yearly Energy Cost at $0.08/KWh:	$2.26

Candela distribution

Angle	End	45°	Cross	Back-45
0	1105	1105	1105	1105
5	1096	1101	1103	1101
15	1056	1065	1074	1065
25	973	1001	1015	1001
35	855	900	922	900
45	707	772	804	772
55	542	623	668	623
65	369	465	520	465
75	203	311	373	311
85	57	170	240	170
95	1	111	183	111
105	1	101	169	101
115	2	86	144	86
125	2	64	112	64
135	2	45	85	45
145	3	29	58	29
155	3	16	33	16
165	3	6	12	6
175	4	3	3	3

Zonal summary (total efficiency)

Zone	End	45	Cross
45	4018	3922	3971
55	3745	3690	3812
65	3395	3436	3643
75	2922	3177	3534
85	2003	2956	3669

Light Distribution

Degrees	Lumens	% Fixture
0-30	866	22.0
0-40	1427	36.3
0-60	2567	65.3
0-90	3520	89.5
90-120	294	7.5
90-130	349	8.9
90-150	403	10.2
90-180	413	10.5
0-180	3933	100.0

Coefficients of utilization

Ceiling	80%			70%			50%	
Wall	70	50	30	70	50	30	50	30
RC / RW	Zonal cavity method Effective floor reflectance = 20%							
Room Cavity Ratio 0	116	116	116	112	112	112	105	105
1	105	98	94	101	95	92	90	85
2	94	85	79	91	82	76	78	71
3	85	75	66	82	72	65	68	60
4	79	66	56	75	64	56	59	53
5	71	58	50	68	56	48	54	46
6	66	53	44	64	51	42	47	40
7	61	47	39	58	46	38	44	36
8	56	44	34	55	41	34	40	33
9	53	40	32	51	39	30	36	29
10	50	36	28	47	35	28	34	27

OWL LED wraparound 4ft, 5000 nominal delivered lumens

Cat No:
OWL450L840-UNV-DIM

Report no[1]:	32780
Output lumens:	5136 lms
CCT[2]:	4000K
Input watts[3]:	53W
Efficacy:	98 lm/w
Comp Yearly Energy Cost at $0.08/KWh:	$2.45

Candela distribution

Angle	End	45°	Cross	Back-45
0	1439	1439	1439	1439
5	1427	1434	1436	1434
15	1375	1391	1399	1391
25	1266	1304	1322	1304
35	1114	1173	1201	1173
45	920	1007	1048	1007
55	704	812	870	812
65	480	608	677	608
75	264	408	487	408
85	74	224	313	224
95	2	146	239	146
105	2	134	221	134
115	2	115	187	115
125	3	85	147	85
135	3	60	110	60
145	4	39	76	39
155	4	21	44	21
165	5	8	16	8
175	5	4	4	4

Zonal summary (total efficiency)

Zone	End	45	Cross
45	5224	5114	5173
55	4868	4814	4963
65	4414	4489	4747
75	3800	4161	4608
85	2628	3892	4776

Light Distribution

Degrees	Lumens	% Fixture
0-30	1128	22.0
0-40	1858	36.2
0-60	3345	65.1
0-90	4591	89.4
90-120	389	7.5
90-130	463	9.0
90-150	535	10.4
90-180	548	10.6
0-180	5136	100.0

Coefficients of utilization

Ceiling	80%			70%			50%	
Wall	70	50	30	70	50	30	50	30
RC / RW	Zonal cavity method Effective floor reflectance = 20%							
Room Cavity Ratio 0	116	116	116	112	112	112	105	105
1	105	98	94	101	95	92	90	85
2	94	85	79	91	82	76	78	71
3	85	75	66	82	72	65	68	60
4	79	66	56	75	64	56	59	53
5	71	58	50	68	56	48	54	46
6	66	53	44	64	51	42	47	40
7	61	47	39	58	46	38	44	36
8	56	44	34	55	41	34	40	33
9	53	40	32	51	39	30	36	29
10	50	36	28	47	35	28	34	27

OWL LED wraparound

2', 4', or 8', 3000, 4000, 5000, or 7000 lumens

OWL LED wraparound 4ft, 7000 nominal delivered lumens

Cat No:
OWL470L840-UNV-DIM

Report no[1]:	32779
Output lumens:	6790lms
	4000K
CCT[2]:	73W
Input watts[3]:	94lm/w
Efficacy:	
Comp Yearly Energy Cost at $0.08/KWh:	$2.55

Candela distribution

Angle	End	45°	Cross	Back-45
0	1905	1905	1905	1905
5	1890	1897	1899	1897
15	1821	1840	1850	1840
25	1680	1726	1750	1726
35	1474	1551	1590	1551
45	1218	1332	1387	1332
55	932	1075	1152	1075
65	635	804	898	804
75	350	538	647	538
85	97	295	418	295
95	2	191	319	191
105	3	175	295	175
115	3	149	250	149
125	4	111	196	111
135	4	78	147	78
145	5	51	101	51
155	6	27	59	27
165	7	10	22	10
175	7	6	6	6

Zonal summary (total efficiency)

Zone	End	45	Cross
45	6914	6765	6849
55	6445	6371	6573
65	5843	5935	6295
75	5032	5493	6125
85	3435	5116	6378

Light Distribution

Degrees	Lumens	% Fixture
0-30	1493	22.0
0-40	2459	36.2
0-60	4425	65.2
0-90	6072	89.4
90-120	509	7.5
90-130	606	8.9
90-150	700	10.3
90-180	718	10.6
0-180	6790	100.0

Coefficients of utilization

Ceiling	80%			70%			50%	
Wall	70	50	30	70	50	30	50	30
RC / RW	Zonal cavity method Effective floor reflectance = 20%							
Room Cavity Ratio 0	116	116	116	112	112	112	105	105
1	105	98	94	101	95	92	90	85
2	94	85	79	91	82	76	78	71
3	85	75	66	82	72	65	68	60
4	79	66	56	75	64	56	59	53
5	71	58	50	68	56	48	54	46
6	66	53	44	64	51	42	47	40
7	61	47	39	58	46	38	44	36
8	56	44	34	55	41	34	40	33
9	53	40	32	51	39	30	36	29
10	50	36	28	47	35	28	34	27

Energy Data

Model	Initial Delivered Lumens @ 25°C Ambient	Input Power	Lumens per Watt	Application Notes
OWL230840-UNV	3205	33	96	Low ceilings, mid ambient
OWL240840-UNV-DIM	4042	47	87	2' length, option to 4' fluorescent
OWL440840-UNV-DIM	3933	37	106	Suitable for most general applications
OWL450840-UNV-DIM	5136	53	98	Equal to a 4' 2x32W fluorescent
OWL470840-UNV-DIM	6790	73	94	Better option to a wide 3-light fluorescent wraparound

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Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALJ-027-AC

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Strip Light
Item Type	Rebal Bar
Description	DynaCove Interior SO" normal power linear cove light. 4' lengths to be strung together for total length. 1' lengths specified if needed. Beam Angle 120 deg
Manufacturer	Philips/Colorkenetics
Model	Cove Light: DCD.142.DABE & DCD.142.AABE Start Cable: CA-CAF-03050 Link Cable for 1': CA-CAL-00305 Link Cable for 5': CA-CAL-00150
Dimensions	48"L x 1.5"W x 3.1"H; 12" L x 1.5"W x 3.1"H
Color	White
CSI #	22-265100
Omniclass #	265100
Mount	Surface mounted in ceiling cove
On Dimming System	Yes
Fixture Input (Max. Watts)	4' - 12W
Lamp Type	LED
Lamp Kelvin	3000K
Voltage	200-300
Delivered Lumens (LED) or Mean Lumens (Non-LED)	574 per lf
Finish	White
Lamp CRI	85
Warranty	Five Year Warranty
Notes	Efficacy (lm/W): 54 @ 4’ Lamp Life/Fixture Life: 50,000 hrs

SPECIAL INSTRUCTIONS

Location: Gen 1 & 2 Reimage 124 Key at Media Pods

MANUFACTURER

Vendor Name: Acclaim Lighting
Contact Name: Customer Service
Phone: 323.213.4594
Email: support@acclaimlighting.com

ALTERNATE MANUFACTURER 2

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

AREAS

Hub

ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

ALJ-027-AL

ACCLAIM LIGHTING

Client:	
Project:	
Type:	
Order Code:	
Quantity:	

DynaCove Interior SO

The **DynaCove Interior SO** is a high power, white LED, indoor linear cove fixture. Available in 1' and 4' sections, it offers smooth linear dimming with ELV and 100-1% with most commercially available TRIAC dimmers . Featuring class-leading output, robust housing, and several color temperature options, it is the perfect choice for any cove, millwork, or signage application.

SPECIFICATIONS

Color Temperature	2,700K, 3000K, 3500K, 4000K
Beam Angle	120º
Max Fixture Runs	50' (15m) @ 120V / 100' (30m) @ 240V+
Power Consumption	12w (1') / 48w (4'), Optional 5W per foot ASHRAE Compliant
Total Lumens	590 (1') @ 2700K / 2295 (4') @ 3000k
Efficacy (lm/W)	54 @ 4', 3000K
CRI	85 @ 3000K
Lumen Maintenace	70% @ 50,000 Hours
Finish	Anodized Brushed Aluminum
Housing	Aluminum; Frosted Polycarbonate Lens
Operating Temperature	-4°F to 113°F (-20°C to 45°C)
Operating Voltage	90-135VAC / 200-300VAC
Dimming	TRIAC or ELV
Fixture Connectors	Integral, 3 Pin Male & Female Connector
Rating	IP 20, Dry Location
Warranty	5 Years
Weight	1' 0.7 lbs (0.3 kg) 4' 2.6 lbs (1.2 kg)
Dimensions	W 1.5" x H 2.0" x L 12"/ 48" (39 mm x 52 mm x 305 mm / 1,220 mm)
Certifications	

DIMENSIONS

Lumen measurements comply with IES LM-79-08 provided by a recognized, independent testing lab.
LM79 Photometry, LM80 LED source compliance documents, and IES files are available at www.acclaimlighting.com

Specification subject to change without notice.

ALJ-027-AL

ACCLAIM LIGHTING

DynaCove Interior SO

Client:	
Project:	
Type:	
Order Code:	
Quantity:	

ORDER CODES

DC _ . 142 . — — — —

WATTAGE
- **D** - 12w l/f
- **E** - 5w l/f (ASHRAE)

LENGTH
- **A** - 1′
- **D** - 4′

BEAM
- **A** - 120°

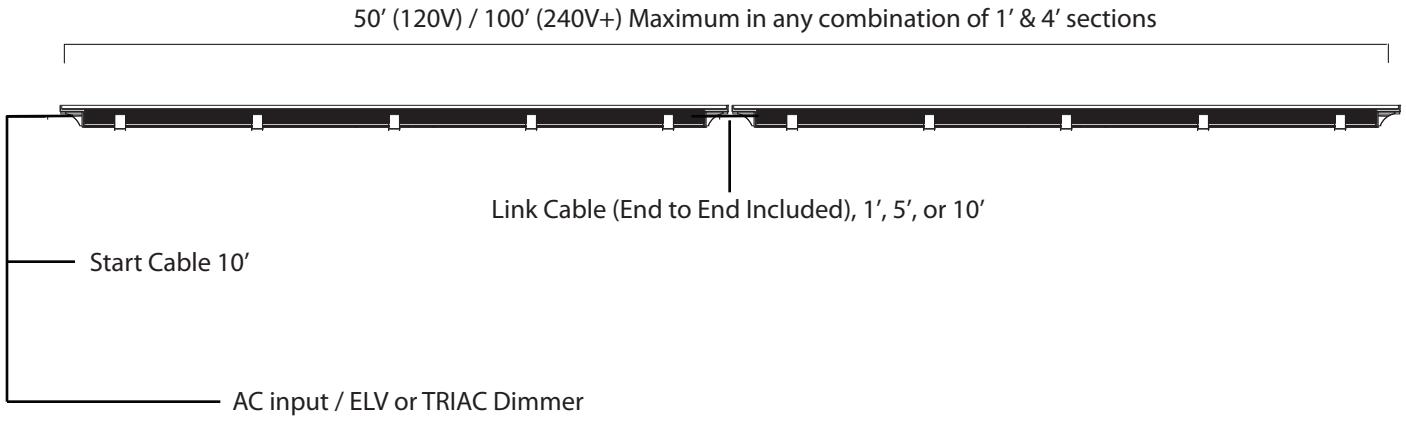
COLOR
- **A** - 2700K
- **B** - 3000K
- **D** - 3500K
- **E** - 4000K

POWER
- **U** - 90-135VAC
- **E** - 200-300VAC

RELATED COMPONENTS

CA-CAF-03050	Start Cable for DynaGraze Interior 10′
CA-CAL-00305	Link Cable for DynaGraze Interior 1′
CA-CAL-00150	Link Cable for DynaGraze Interior 5′
CA-CAL-00310	Link Cable for DynaGraze Interior 10′

WIRING



Lumen measurements comply with IES LM-79-08 provided by a recognized, independent testing lab.
LM79 Photometry, LM80 LED source compliance documents, and IES files are available at www.acclaimlighting.com

Specification subject to change without notice.

Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALJ-048-CL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Strip Light
Item Type	Low Profile Undercabinet
Description	2' undercabinet strip light w/switch
Manufacturer	Cooper/Halo
Model	HU1124D9SMB
Dimensions	23.98"L x 4.37"W x .76"H
Finish	Matte Black
Material Composition	Extruded Aluminum Housing
CSI #	265000 - Lighting Fixtures
Omniclass #	22-265000 Lighting Fixtures
Dimming Type	Standard Incandescent Dimmer
Mount	Surface/Undercabinet
On Dimming System	No
Lens/Shade	Acrylic
Lamp Type	LED
Lamp Kelvin	3000K
Voltage	120V
Delivered Lumens (LED) or Mean Lumens (Non-LED)	660
Finish	Matte Black
Lamp CRI	90
Notes	Fixture Life: 50,000 hrs Efficacy: Refer to attachment

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 2

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Employee Areas
Buffet

HALO

DESCRIPTION

Ideal for task, accent, office, cove, and utility, under and above cabinet lighting display, the Halo Undercabinet low-profile design delivers maximum energy savings with easy installation. Each fixture is equipped with a seleCCTable switch that allows users to customize color temperature of 2700K, 3000K and 4000K in 90 CRI. Fixtures are available in 9", 18", 24", 36" and 48" lengths with Matte White and Matte Black finishes. Each unit has an integrated on-off switch and offers smooth dimming down to 5% using standard dimmers**. Multiple wiring options make installation a simple task.

Catalog #	HU1124D9SMB	Type
Project		
Comments		Date
Prepared by	Kathleen Kenny, National Accounts, PH: 678-447-5208 kathleen.kenny@cooperlighting.com	

SPECIFICATION FEATURES

Even Light Distribution
Specialized optical system consisting of tightly clustered proximity phosphor LEDs, advanced optical chamber coatings and lens materials resulting in soft illumination with high efficiency. These fixtures are ideal for task lighting.

Color Temperature
3 position external SeleCCTable color temperature switch allows users to choose between 2700K, 3000K, and 4000K and adjust per their lighting needs.

Wiring Flexibility
Use any combination of three different wiring methods:Bring flexible conduit or Romex directly to the 120V fixture. Conduit connector and romex strain relief hardware is included with each fixture. Otherwise users can utilize the available splice box and plug in connectors (sold separately) and to link additional fixtures to the circuit (See instructions sheets for more detail).* Link any combination of fixtures up to 450W total load using connectors.

Durable Low Profile Housing
Extruded aluminum housing and color matched end caps with a sleek over all height less than 1".

Mounting
Each unit is secured directly to the mounting surface with two integral fasteners keeping installation costs and efforts low. Can be mounted in horizontal and vertical orientations.

Optional Accessories
Optional splice box has a connection port on each side to allow for runs in either or both directions. Includes Romex/ 1/2" conduit connector. Various connector cable options and lengths provide flexibility of mounting location.

Finish Options
Fixtures and accessories are available in both White (P) and Matte Black (MB) finishes.

Electronic Driver & Dimming
Electronic driver provides flicker free light output and noise free operation. Designed for continuous dimming (ELV or TRIAC) down to 5% with compatible dimmers.**

Compliance & Certifications
- cULus listed
- Can be used to meet IECC, ASHRAE commercial and residential standards
- FCC Class B residential
- Damp location listed
- ENERGY STAR® certified
- Title 24
- Closet-Rated

Factory Defaults
The fixtures are factory pre-set to 3000K.

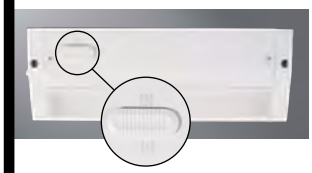
Warranty
Five-year limited warranty, consult website for details.
www.cooperlighting.com

HU11

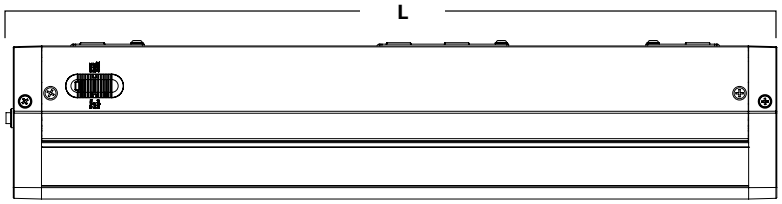
Value LED Undercabinet

3 seleCCTable colors

2700K • 3000K • 4000K



DIMENSIONS



Size Description	9 in. Nominal	18 in. Nominal	24 in. Nominal	36 in. Nominal	48 in. Nominal
Length "L"	8.98" [228.1mm]	16.55" [420.4mm]	23.98" [609.1mm]	32.44" [824mm]	47.18" [1,198.4mm]
Wattage	4.5	8.0	11.0	15.5	21.0
Lumens***	300	560	785	1125	1540

ENERGY DATA

Power Factor: >0.9
THD: <20%
Color Temperature: SeleCCTable 2700K, 3000K, 4000K
Color Rendering Index: 90
Nominal Lumens/Ft: 300

Can be used for IECC International Energy Conservation Code High Efficacy Compliance

UL CERTIFIED SAFETY

FC

RoHS COMPLIANT

Efficiency Standards T24 California Title 24 Residential and Non-Residential Compliant

Can be used to comply with California Title 24 High Efficacy requirements. Certified to California Appliance Efficiency Database under JA8.

COOPER Lighting Solutions

* Plug in wire option is only available on either end (side) of the fixture. Back wire option is for romex or flexible conduit wiring only.

** See our website for dimming guidance information. www.cooperlighting.com

*** Performance metrics are measured at 3000K. The factory setting is 3000K.

HALO

ORDERING INFORMATION

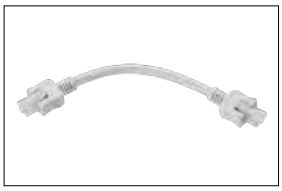
SAMPLE NUMBER: HU1118D9SP (18 inch Dimmable fixture, SeleCCTable Color temperature, White Finish)

Family	Length	Dimming	Color Temperature	Finish
HU11 =Halo Integrated Undercabinet	**09**=9” **18**=18” **24**=24” **36**=36” **48**=48”	**D9**=Dimmable	**S**=Selectable (2700K, 3000K, 4000K)	**P**=White **MB**=Matte Black

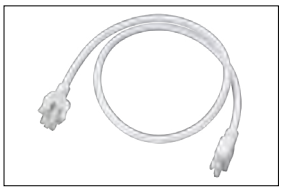
1. 9” cannot be linked with direct-wire. Requires daisy chain connector accessory.

CONNECTORS & ACCESSORIES

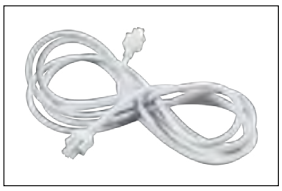
HU101
3” Daisy Chain Connector



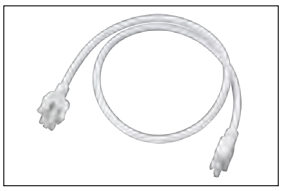
HU102
6” Daisy Chain Connector



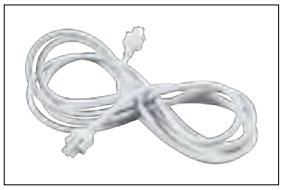
HU1010
12” Daisy Chain Connector



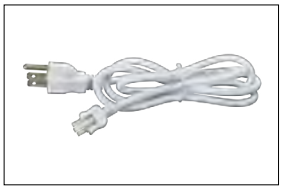
HU1011
18” Daisy Chain Connector



HU103
24” Daisy Chain Connector

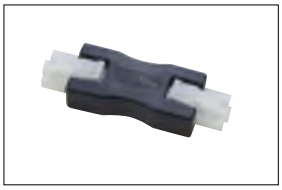


HU104
120” Daisy Chain Connector



HU115
48” Power Cord - 120V only

HU109
Splice Box



HU107
1-1/2” Male-to-Male Connector

HU10MS
Master Switch

Finish: P = White; **MB** = Matte Black **Example:** HU101P = 3” Daisy Chain Connector, White

COOPER Lighting Solutions

HALO

PHOTOMETRY

Fixture Application Illustration

MOUNTING HEIGHT 18"

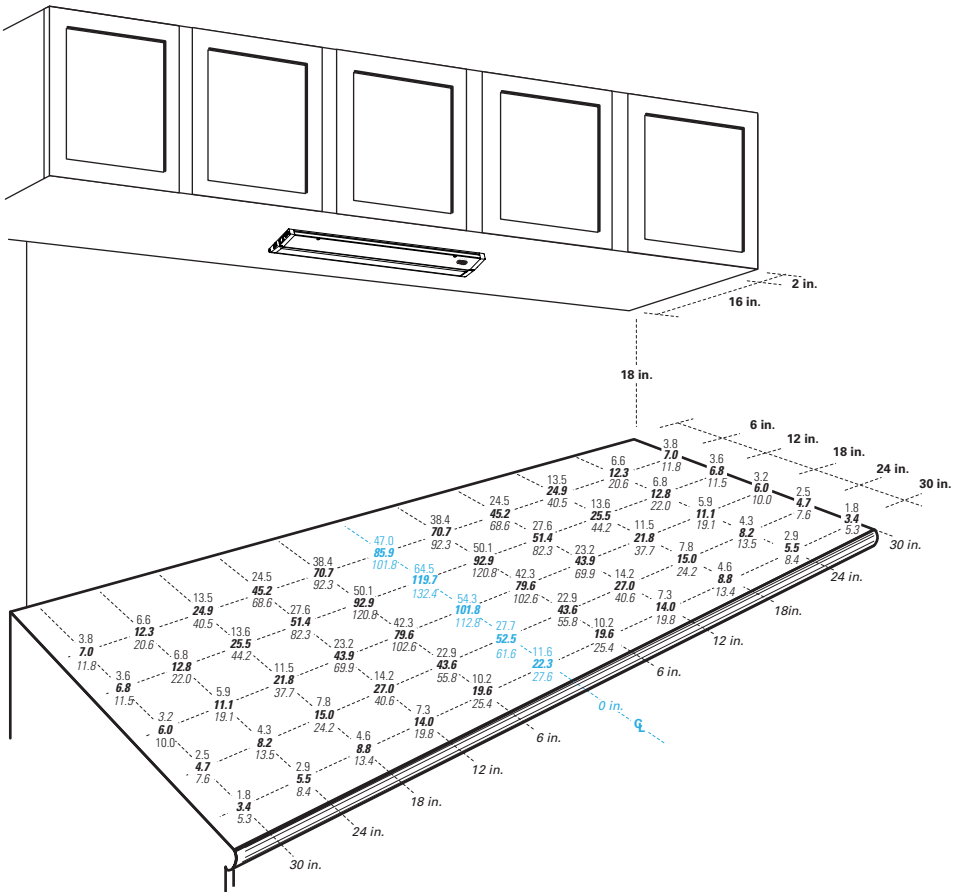
Top Number
Report: HU1109D9SMB-3000K.IES

Middle Number
Report: HU1118D9SMB-3000K.IES

Bottom Number
Report: HU1124D9SMB-3000K.IES

Countertop 60" x 30"

Diagram not to scale.



18" Mounting Height

Top Number Report - HU1109D9SMB-3000K

Middle Number Report - HU1118D9SMB-3000K

Bottom Number Report - HU1124D9SMB-3000K

Width											
30in	24in	18in	12in	6in	0in	6in	12in	18in	24in	30in	
3.8	6.6	13.5	24.5	38.4	47.0	38.4	24.5	13.5	6.6	3.8	
7.0	12.3	24.9	45.2	70.7	85.9	70.7	45.2	24.9	12.3	7.0	6 in
11.8	20.6	40.5	68.6	92.3	101.8	92.3	68.6	40.5	20.6	11.8	
3.6	6.8	13.6	27.6	50.1	64.5	50.1	27.6	13.6	6.8	3.6	
6.8	12.8	25.5	51.4	92.9	119.7	92.9	51.4	25.5	12.8	6.8	12 in
11.5	22.0	44.2	82.3	120.8	132.4	120.8	82.3	44.2	22.0	11.5	
3.2	5.9	11.5	23.2	42.3	54.3	42.3	23.2	11.5	5.9	3.2	
6.0	11.1	21.8	43.9	79.6	101.8	79.6	43.9	21.8	11.1	6.0	18 in
10.0	19.1	37.7	69.9	102.6	112.8	102.6	69.9	37.7	19.1	10.0	
2.5	4.3	7.8	14.2	22.9	27.7	22.9	14.2	7.8	4.3	2.5	
4.7	8.2	15.0	27.0	43.6	52.5	43.6	27.0	15.0	8.2	4.7	24 in
7.6	13.5	24.2	40.6	55.8	61.6	55.8	40.6	24.2	13.5	7.6	
1.8	2.9	4.6	7.3	10.2	11.6	10.2	7.3	4.6	2.9	1.8	
3.4	5.5	8.8	14.0	19.6	22.3	19.6	14.0	8.8	5.5	3.4	30 in
5.3	8.4	13.4	19.8	25.4	27.6	25.4	19.8	13.4	8.4	5.3	

Length

15" Mounting Height

Top Number Report - HU1109D9SMB-3000K

Middle Number Report - HU1118D9SMB-3000K

Bottom Number Report - HU1124D9SMB-3000K

Width											
30in	24in	18in	12in	6in	0in	6in	12in	18in	24in	30in	
3.0	5.5	12.0	23.8	41.7	54.2	41.7	23.8	12.0	5.5	3.0	
5.6	10.2	22.2	43.8	76.6	99.2	76.6	43.8	22.2	10.2	5.6	6 in
9.7	17.9	37.9	70.6	100.8	111.3	100.8	70.6	37.9	17.9	9.7	
2.9	5.7	12.4	28.6	63.0	90.4	63.0	28.6	12.4	5.7	2.9	
5.4	10.7	23.0	53.3	116.9	167.5	116.9	53.3	23.0	10.7	5.4	12 in
9.4	19.4	43.8	96.7	156.1	168.3	156.1	96.7	43.8	19.4	9.4	
2.5	4.8	10.3	23.7	51.9	73.9	51.9	23.7	10.3	4.8	2.5	
4.7	9.2	19.4	44.9	98.2	139.4	98.2	44.9	19.4	9.2	4.7	18 in
8.1	16.6	36.8	80.4	129.5	139.9	129.5	80.4	36.8	16.6	8.1	
1.9	3.4	6.6	13.2	23.8	30.3	23.8	13.2	6.6	3.4	1.9	
3.6	6.6	12.7	25.1	45.4	57.8	45.4	25.1	12.7	6.6	3.6	24 in
6.0	11.2	21.7	40.2	58.4	64.5	58.4	40.2	21.7	11.2	6.0	
1.4	2.2	3.6	6.1	8.9	10.4	8.9	6.1	3.6	2.2	1.4	
2.6	4.2	7.0	11.6	17.3	20.1	17.3	11.6	7.0	4.2	2.6	30 in
4.0	6.6	10.9	16.9	22.3	24.4	22.3	16.9	10.9	6.6	4.0	

Length

Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

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Product availability, specifications, and compliances are subject to change without notice.

Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALJ-048-SI

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Strip Light
Item Type	Low Profile Undercabinet
Description	2' Undercabinet Strip w/Switch (connecting accessories available for connecting fixtures, see spec sheet)
Manufacturer	Signify/Daybrite
Model	LINCS100E L28 930 MB DIM
Dimensions	28.16" L x 4.37" W x 1.16" H
Finish	Matte Black
CSI #	265000 - Lighting Fixtures
Omniclass #	22-265000 Lighting Fixtures
Dimming Type	Standard Incandescent Dimmer
Trim	Black
Reflector	None
Mount	Surface/Undercabinet
On Dimming System	No
Lens/Shade	Acrylic
Lamp Type	LED
Lamp Kelvin	3000K
Voltage	120V
Delivered Lumens (LED) or Mean Lumens (Non-LED)	660
Finish	Matte Black
Lamp CRI	90
Lead Time	In stock to 4 weeks
Warranty	Five year warranty
Notes	Efficacy: 110 Lamp Life/Fixture Life: 50,000 hrs

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

ALTERNATE MANUFACTURER 2

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny

AREAS

Employee Areas
Buffet

Phone: (678) 447-5208 Email: kathleen.kenny@cooperlighting.com	
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Day-Brite CFI by signify

Linear

LINCS LED undercabinet

10", 19", or 28" lengths

Project:

Location:

Cat.No:

Type:

Lamps: Qty:

Notes:

Day-Brite / CFI LINCS LED undercabinets enable flexibility to suit the needs of many applications including office, healthcare, educational, and residential. The state of the art LED system provides high resolution lighting with excellent color rendering for high visual acuity on the task plane. The modular design allows field application of control options and continuous connectivity for ease of configuration and installation. LINCS LED is an ideal choice where high performing undercabinet lighting is specified.

Ordering guide

Example: LINCS100EL28935UNVWHGDIM

Family	Length	Color	Voltage	Finish	Driver	Options
LINCS100E	L28	930	UNV	MB	DIM	
LINCS100E LINCS LED Energy Star	**L10** 10" **L19** 19" **L28** 28"	**930** 3000K, 90 CRI **935** 3500K, 90 CRI	**UNV** Universal Voltage 120-277V **120** 120V **277** 277V	**WHG** White Glossy **MB** Matte Black **SA** Satin Aluminum **SWH** Antimicrobial White	**DIM** Trailing edge phase dimming (ELV)	**CSJT3**[1,2] SJT cord set hard-wired into back of fixture. UL listed as a portable fixture for use in office workstations (120V only) **OSC**[3,4] Integral occupancy sensor control for UNV linking **OSHL**[3,4] Integral occupancy sensor control for UNV, hard wired **RSW**[4,5] Rocker switch (on/off) for linked input power, controls only this fixture **RSLL**[4,5] Rocker switch for hard linked input power, controls fixtures in the linked circuit **RSH**[4,5] Rocker switch for hard wired input power, controls only this fixture **RSHL**[4,5] Rocker swtich for hard wired input power, controls fixtures in linked circuit **SBF** Slow blow fuse

Accessories (order separately)

Specify Qty. of Connectors Needed

QTY:	**LINCS1001**[6]	Wiring module
QTY:	**LINCS1001RSW**[6]	Wiring module with rocker switch
QTY:	**LINCS1002CO**[2,6]	Wiring module with duplex outlet
QTY:	**LINCS100PC3W**	3' Straight power cord, white
QTY:	**LINCS100PC6W**	6' Straight power cord, white
QTY:	**LINCS100ICSW**	6" Straight interconnect cord, white

Note: Power cords plug into left end of the luminaires.

Notes

1. LINCS fixtures with CSJT3 option can not be modularly connected.
2. 120V only.
3. OSC is not available with LINCS100EL10.
4. See controls table page 3.
5. Specify 120V or 277V only.
6. Specify voltage and finish for these accessories. Include voltage and finish codes from catalog matrix after "1" or "2", i.e. LINCS1001120WHGRSW.

LINCS100E LINCS LED undercabinet

10", 19", or 28" lengths

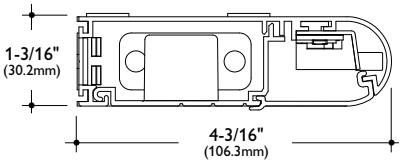
Features

- Miniature 1" deep profile
- Modular design with accommodating accessories for ease of installation and flexibility in the field.
- Optional wiring module with master on/off switch, duplex convenience outlet, or occupancy sensor
- Extruded aluminum design is durable, lightweight and corrosion resistant
- Available in a white, black, satin aluminum, or anitmicrobial white

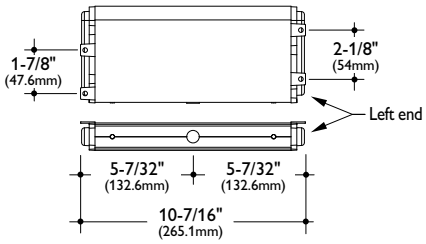
Specifications

- **Construction:** .060" extruded aluminum housing with injection molded polycarbonate endcaps and covers.
- **Reflector and Lens:** Acrylic textured lens to minimize lamp image on task surface.
- **Finish:** LINCS is available in either a white or black polyester powder-coat paint finish. In addition, LINCS can be selected with an anodized satin aluminum finish. Standard white painted and antimicrobial finishes have matching white end caps. Black endcaps are provided with the black painted or satin aluminum finishes.
- **Lamps:** LINCS is supplied with high efficiency LEDs with a color temperature of 3000K or 3500K and 90 CRI. 70% of initial illumination at 50,000 hours at 25˚C ambient. The LED board is field replaceable.
- **Listings:** cETLus Listed for direct-wire or portable installations. Damp rated. Energy Star® certified.
- **Electrical:** Luminaires are supplied with an integral, electronic Class "A" LED driver for 120V to 277V applications. Optional passive infrared occupancy sensor control (OSC) available.
- **Installation:** LINCS include male and female grounded connectors on each end to allow power conductivity with linking connector cord accessories. A UL recognized 3/8" flexible metal conduit/non-metallic sheathed wiring connector is supplied with the luminaire for direct-wiring into knockout in the back of the housing or through adapter plate at the left end. LINCS100-L19 and LINCS100-L28 models have a wiring access panel with a knockout to allow quick wiring of the first luminaire without opening the wireway cover. For portable installations, the LINCS100PC power cord plugs directly into the left end of the luminaire. It is not recommended that LINCS be plugged into a GFCI receptacle.
- **Warranty:** All luminaire components (except for the LED board and driver) are warranted against defects during the life of the original installation. The LED board and driver are warranted for 5 years from date of manufacture. Visit www.philips.com/warranties for complete warranty information.

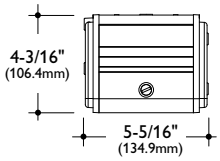
Dimensional Data



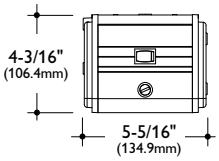
LINCS100L10



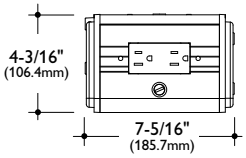
LINCS1001



LINCS1001RSW



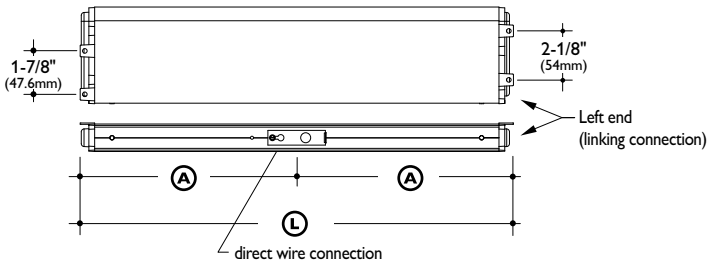
LINCS1002CO



Installation Notes:

- (1) End-plate supplied to allow direct wiring into left end
- When row mounting, allow 1" at end of a run connection of last fixture
- When using power cord, allow 3" at start of run
- Subract 7/16" for each end-cover removed in row mount applications.

LINCS100L19 and LINCS100L28



DIMENSION	L	A
LINCS100L19	19-1/4" (489.0mm)	9-5/8" (244.5mm)
LINCS100L28	28-1/16" (712.8mm)	14-1/32" (356.4mm)

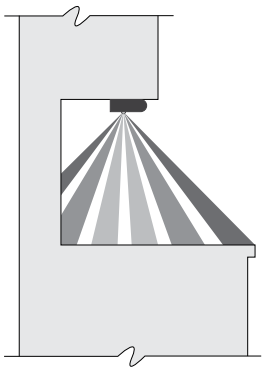
LINCS100E LINCS LED undercabinet

10", 19", or 28" lengths

Controls

				Control		
Option Code	**Description**	**Voltage**	**Wiring Type**	**Single Fixture**	**All In Circuit**	**Linked Thru Power**
OSC (standard)	Integral Occ Sensor - Linked Input Power, Linked Control	UNV	Linked		X	X
OSHL	Integral Occ Sensor - Hard Wired Power, Linked Control	UNV	Hard Wired		X	X
RSW (standard)	Rocker Switch - Linked Input Power	120V or 277V	Linked	X		X
RSLL	Rocker Switch - Linked Input Power, Linked Control	120V or 277V	Linked		X	X
RSH	Rocker Switch - Hard Wired Power	120V or 277V	Hard Wired	X		X
RSHL	Rocker Switch - Hard Wired Power, Linked Control	120V or 277V	Hard Wired		X	X

Wiring Type Describes whether power is linked to the left side of the fixture, or direct wired to the back of the fixture.
Control - Single Fixture The integrated device controls only this single fixture.
Control - All in Circuit The integrated device controls this fixture and all adjacent fixtures (i.e. the thru power is controlled from this fixture).
Linked Thru Power Power is linked to adjacent fixtures via the LINCS connectors.



Integral occupancy sensor control (OSC)

The OSC has a passive infrared occupancy (PIR) that has a field-adjustable time delay that that can be set for 30 sec., 10 min., 20 min., or 30 min. Connect building power to the LINCS luminaire with the OSC. All additional luminaires interconnected to that luminaire will be controlled by the single OSC.

Electrical Data			
Model	**LINCS L10**	**LINCS L19**	**LINCS L28**
Fix. Watts	2.5	4.9	7.3
Total Fix. Lumens	175	391	594
Max. Amps	.02	.04	.06

Maximum of 6 total amps when row mounting.

LINCS100E LINCS LED undercabinet

10", 19", or 28" lengths

Photometry

LINCS LED 10" 3000K

LER – 73

Catalog No. LINCS100E-L10-930-UNV-WHG-DIM
Test No. 35770
S/MH 1.2
Lamp Type LED
Lumens 184
Input Watts 3

Comparative yearly lighting energy cost per 1000 lumens – **$3.29** based on 3000 hrs. and **$.08** pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Candlepower

Angle	End	45	Cross
0	79	79	79
5	80	80	79
15	76	77	75
25	69	70	67
35	58	59	56
45	44	47	44
55	31	34	30
65	21	22	18
75	13	13	10
85	7	7	4

Light Distribution

Degrees	Lumens	% Luminaire
0-30	59	32.1
0-40	93	50.6
0-60	150	81.9
0-90	183	99.9
0-180	184	100.0

Average Luminance

Angle	End	45°	Cross
45	7476	7933	7358
55	6547	6985	6276
65	5886	6311	5207
75	5915	6192	4529
85	9331	9331	4803

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	118	118	118	115	115	115	111	111
1	109	104	100	106	102	97	97	94
2	100	92	84	96	90	83	85	81
3	92	81	73	89	80	72	77	70
4	83	72	64	81	70	64	68	61
5	78	65	56	76	64	56	61	55
6	71	58	51	69	57	50	56	48
7	67	54	46	65	53	45	52	44
8	63	50	40	60	48	40	46	40
9	58	46	38	56	45	36	44	36
10	55	41	34	54	41	34	40	34

LINCS LED 10" 3500K

LER – 79

Catalog No. LINCS100E-L10-935-UNV-WHG-DIM
Test No. 35771
S/MH 1.2
Lamp Type LED
Lumens 196
Input Watts 3

Comparative yearly lighting energy cost per 1000 lumens – **$3.04** based on 3000 hrs. and **$.08** pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Candlepower

Angle	End	45	Cross
0	84	84	84
5	85	84	84
15	81	82	80
25	73	74	72
35	61	63	60
45	47	50	46
55	34	36	32
65	23	24	20
75	14	15	10
85	7	7	4

Light Distribution

Degrees	Lumens	% Luminaire
0-30	63	31.9
0-40	99	50.3
0-60	161	81.7
0-90	196	99.9
0-180	196	100.0

Average Luminance

Angle	End	45°	Cross
45	8017	8457	7814
55	7069	7507	6735
65	6424	6792	5773
75	6423	6700	4806
85	10017	10017	5077

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	118	118	118	115	115	115	111	111
1	109	104	100	106	102	97	97	94
2	100	92	84	96	90	83	85	81
3	91	81	72	89	80	71	77	70
4	83	72	64	81	70	63	68	61
5	78	65	56	76	64	56	61	55
6	71	58	50	69	57	50	56	48
7	67	54	45	65	53	45	52	44
8	61	48	40	60	48	40	46	40
9	58	45	38	56	45	36	44	36
10	55	41	34	54	41	34	40	34

LINCS100E LINCS LED undercabinet

10", 19", or 28" lengths

LINCS LED 19" 3000K

LER – 78

Catalog No. LINCS100E-L19-930-UNV-WHG-DIM
Test No. 35772
S/MH 1.2
Lamp Type LED
Lumens 392
Input Watts 5

Comparative yearly lighting energy cost per 1000 lumens – **$3.08** based on 3000 hrs. and **$.08** pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Candlepower

Angle	End	45	Cross
0	167	167	167
5	169	167	166
15	160	161	159
25	144	146	142
35	121	124	120
45	94	99	93
55	68	72	65
65	46	49	40
75	28	29	21
85	15	15	7

Light Distribution

Degrees	Lumens	% Luminaire
0-30	125	31.8
0-40	197	50.2
0-60	320	81.7
0-90	392	99.9
0-180	392	100.0

Average Luminance

Angle	End	45°	Cross
45	8091	8460	7937
55	7175	7619	6826
65	6539	6955	5779
75	6650	6885	4824
85	10709	10222	4520

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	118	118	118	115	115	115	111	111
1	109	104	100	106	102	97	97	94
2	100	92	84	96	90	83	85	81
3	91	81	72	89	80	71	77	70
4	83	72	64	81	70	63	68	61
5	78	65	56	76	64	56	61	55
6	71	58	50	69	57	50	56	48
7	67	54	45	65	53	45	51	44
8	61	48	40	60	48	40	46	40
9	57	45	36	56	45	36	44	36
10	55	41	34	54	41	34	40	34

LINCS LED 19" 3500K

LER – 87

Catalog No. LINCS100E-L19-935-UNV-WHG-DIM
Test No. 35773
S/MH 1.2
Lamp Type LED
Lumens 415
Input Watts 5

Comparative yearly lighting energy cost per 1000 lumens – **$2.76** based on 3000 hrs. and **$.08** pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Candlepower

Angle	End	45	Cross
0	176	176	176
5	177	176	174
15	169	170	167
25	153	154	150
35	130	132	126
45	103	106	98
55	75	78	68
65	51	53	43
75	32	32	22
85	17	16	7

Light Distribution

Degrees	Lumens	% Luminaire
0-30	131	31.5
0-40	207	49.9
0-60	338	81.4
0-90	415	99.9
0-180	415	100.0

Average Luminance

Angle	End	45°	Cross
45	8828	9051	8357
55	7957	8231	7196
65	7343	7586	6124
75	7517	7564	5128
85	12030	11335	4729

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	118	118	118	115	115	115	111	111
1	109	104	100	106	102	97	97	94
2	100	92	84	96	90	83	85	81
3	91	81	72	89	80	71	77	69
4	83	71	64	81	70	63	68	61
5	78	65	56	75	64	56	61	55
6	71	58	50	69	57	50	56	48
7	67	54	45	65	53	45	51	44
8	61	48	40	60	47	40	46	40
9	57	45	36	56	45	36	44	36
10	55	41	34	54	40	34	40	34

LINCS100E LINCS LED undercabinet

10", 19", or 28" lengths

LINCS LED 28" 3000K

LER – 81

Catalog No. LINCS100E-L28-930-UNV-WHG-DIM
Test No. 35774
S/MH 1.2
Lamp Type LED
Lumens 588
Input Watts 7

Comparative yearly lighting energy cost per 1000 lumens – **$2.96** based on 3000 hrs. and **$.08** pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Candlepower

Angle	End	45	Cross
0	252	252	252
5	253	252	249
15	239	241	238
25	214	218	213
35	180	184	179
45	139	147	138
55	99	107	97
65	66	71	60
75	41	42	30
85	21	20	9

Light Distribution

Degrees	Lumens	% Luminaire
0-30	188	31.9
0-40	297	50.4
0-60	482	81.9
0-90	588	99.9
0-180	588	100.0

Average Luminance

Angle	End	45°	Cross
45	7948	8377	7908
55	6988	7516	6833
65	6320	6798	5765
75	6323	6604	4746
85	9596	9411	4080

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	118	118	118	115	115	115	111	111
1	109	104	100	106	102	97	97	94
2	100	92	84	96	90	83	85	81
3	91	81	73	89	80	72	77	70
4	83	72	64	81	70	63	68	61
5	78	65	56	76	64	56	61	55
6	71	58	51	69	57	50	56	48
7	67	54	45	65	53	45	52	44
8	63	48	40	60	48	40	46	40
9	58	46	38	56	45	36	44	36
10	55	41	34	54	41	34	40	34

LINCS LED 28" 3500K

LER – 88

Catalog No. LINCS100E-L28-935-UNV-WHG-DIM
Test No. 35775
S/MH 1.2
Lamp Type LED
Lumens 627
Input Watts 7

Comparative yearly lighting energy cost per 1000 lumens – **$2.73** based on 3000 hrs. and **$.08** pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Candlepower

Angle	End	45	Cross
0	269	269	269
5	270	269	266
15	257	258	254
25	231	234	228
35	194	199	191
45	150	158	148
55	107	116	103
65	71	77	64
75	45	47	32
85	24	23	9

Light Distribution

Degrees	Lumens	% Luminaire
0-30	200	31.9
0-40	316	50.4
0-60	514	81.9
0-90	626	99.9
0-180	627	100.0

Average Luminance

Angle	End	45°	Cross
45	8588	9045	8440
55	7516	8172	7284
65	6817	7400	6157
75	6947	7290	5058
85	11034	10663	4358

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	118	118	118	115	115	115	111	111
1	109	104	100	106	102	97	97	94
2	100	92	84	96	90	83	85	81
3	92	81	73	89	80	72	77	70
4	83	72	64	81	70	63	68	61
5	78	65	56	76	64	56	61	55
6	71	58	51	69	57	50	56	48
7	67	54	45	65	53	45	52	44
8	63	48	40	60	48	40	46	40
9	58	46	38	56	45	36	44	36
10	55	41	34	54	41	34	40	34

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Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALJ-049-CL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Strip Light
Item Type	Low Profile Undercabinet
Description	4' undercabinet strip light w/switch
Manufacturer	Cooper/Halo
Model	HU1148D9SMB
Dimensions	47.18"L x 4.37"W x .76"H
Finish	Matte Black
Material Composition	Extruded Aluminum Housing
CSI #	265000 - Lighting Fixtures
Omniclass #	22-265000 Lighting Fixtures
Dimming Type	Standard Incandescent Dimmer
Mount	Surface/Undercabinet
On Dimming System	Yes
Lens/Shade	Acrylic
Lamp Type	LED
Lamp Kelvin	3000K
Voltage	120V
Delivered Lumens (LED) or Mean Lumens (Non-LED)	1320
Finish	Matte Black
Lamp CRI	90
Notes	Fixture Life: 50,000 hrs Efficacy: Refer to attachment

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Buffet

HALO

DESCRIPTION

Ideal for task, accent, office, cove, and utility, under and above cabinet lighting display, the Halo Undercabinet low-profile design delivers maximum energy savings with easy installation. Each fixture is equipped with a seleCCTable switch that allows users to customize color temperature of 2700K, 3000K and 4000K in 90 CRI. Fixtures are available in 9", 18", 24", 36" and 48" lengths with Matte White and Matte Black finishes. Each unit has an integrated on-off switch and offers smooth dimming down to 5% using standard dimmers**. Multiple wiring options make installation a simple task.

Catalog #	HU1148D9SMB	Type
Project		
Comments		Date
Prepared by	Kathleen Kenny, National Accounts, PH: 678-447-5208 kathleen.kenny@cooperlighting.com	

SPECIFICATION FEATURES

Even Light Distribution
Specialized optical system consisting of tightly clustered proximity phosphor LEDs, advanced optical chamber coatings and lens materials resulting in soft illumination with high efficiency. These fixtures are ideal for task lighting.

Color Temperature
3 position external SeleCCTable color temperature switch allows users to choose between 2700K, 3000K, and 4000K and adjust per their lighting needs.

Wiring Flexibility
Use any combination of three different wiring methods:Bring flexible conduit or Romex directly to the 120V fixture. Conduit connector and romex strain relief hardware is included with each fixture. Otherwise users can utilize the available splice box and plug in connectors (sold separately) and to link additional fixtures to the circuit (See instructions sheets for more detail).* Link any combination of fixtures up to 450W total load using connectors.

Durable Low Profile Housing
Extruded aluminum housing and color matched end caps with a sleek over all height less than 1".

Mounting
Each unit is secured directly to the mounting surface with two integral fasteners keeping installation costs and efforts low. Can be mounted in horizontal and vertical orientations.

Optional Accessories
Optional splice box has a connection port on each side to allow for runs in either or both directions. Includes Romex/ 1/2" conduit connector. Various connector cable options and lengths provide flexibility of mounting location.

Finish Options
Fixtures and accessories are available in both White (P) and Matte Black (MB) finishes.

Electronic Driver & Dimming
Electronic driver provides flicker free light output and noise free operation. Designed for continuous dimming (ELV or TRIAC) down to 5% with compatible dimmers.**

Compliance & Certifications
- cULus listed
- Can be used to meet IECC, ASHRAE commercial and residential standards
- FCC Class B residential
- Damp location listed
- ENERGY STAR® certified
- Title 24
- Closet-Rated

Factory Defaults
The fixtures are factory pre-set to 3000K.

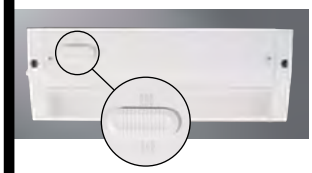
Warranty
Five-year limited warranty, consult website for details.
www.cooperlighting.com

HU11

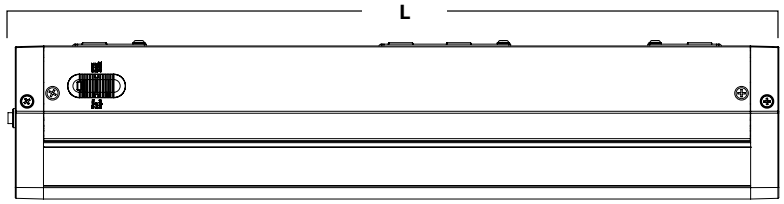
Value LED Undercabinet

3 seleCCTable colors

2700K • 3000K • 4000K



DIMENSIONS



Size Description	9 in. Nominal	18 in. Nominal	24 in. Nominal	36 in. Nominal	48 in. Nominal
Length "L"	8.98" [228.1mm]	16.55" [420.4mm]	23.98" [609.1mm]	32.44" [824mm]	47.18" [1,198.4mm]
Wattage	4.5	8.0	11.0	15.5	21.0
Lumens***	300	560	785	1125	1540

ENERGY DATA

Power Factor: >0.9
THD: <20%
Color Temperature: SeleCCTable 2700K, 3000K, 4000K
Color Rendering Index: 90
Nominal Lumens/Ft: 300

Can be used for IECC International Energy Conservation Code High Efficacy Compliance

UL CERTIFIED SAFETY

FC

RoHS COMPLIANT

Efficiency Standards T24 California Title 24 Residential and Non-Residential Compliant

Can be used to comply with California Title 24 High Efficacy requirements. Certified to California Appliance Efficiency Database under JA8.

COOPER Lighting Solutions

* Plug in wire option is only available on either end (side) of the fixture. Back wire option is for romex or flexible conduit wiring only.

** See our website for dimming guidance information. www.cooperlighting.com

*** Performance metrics are measured at 3000K. The factory setting is 3000K.

HALO

ORDERING INFORMATION

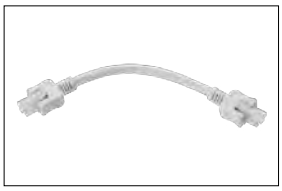
SAMPLE NUMBER: HU1118D9SP (18 inch Dimmable fixture, SeleCCTable Color temperature, White Finish)

Family	Length	Dimming	Color Temperature	Finish
HU11 =Halo Integrated Undercabinet	**09**=9” **18**=18” **24**=24” **36**=36” **48**=48”	**D9**=Dimmable	**S**=Selectable (2700K, 3000K, 4000K)	**P**=White **MB**=Matte Black

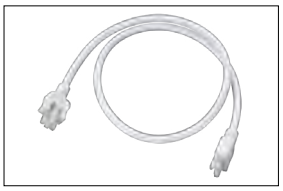
1. 9” cannot be linked with direct-wire. Requires daisy chain connector accessory.

CONNECTORS & ACCESSORIES

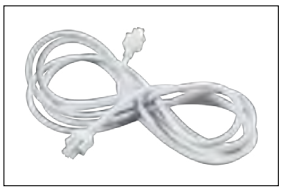
HU101
3” Daisy Chain Connector



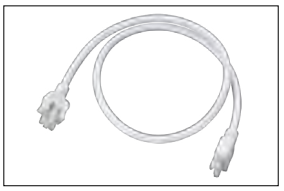
HU102
6” Daisy Chain Connector



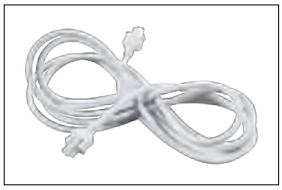
HU1010
12” Daisy Chain Connector



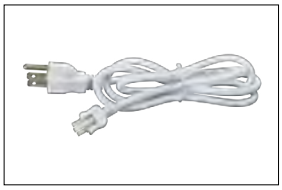
HU1011
18” Daisy Chain Connector



HU103
24” Daisy Chain Connector

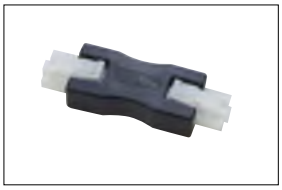


HU104
120” Daisy Chain Connector



HU115
48” Power Cord - 120V only

HU109
Splice Box



HU107
1-1/2” Male-to-Male Connector

HU10MS
Master Switch

Finish: P = White; **MB** = Matte Black **Example:** HU101P = 3” Daisy Chain Connector, White

COOPER Lighting Solutions

HALO

PHOTOMETRY

Fixture Application Illustration

MOUNTING HEIGHT 18"

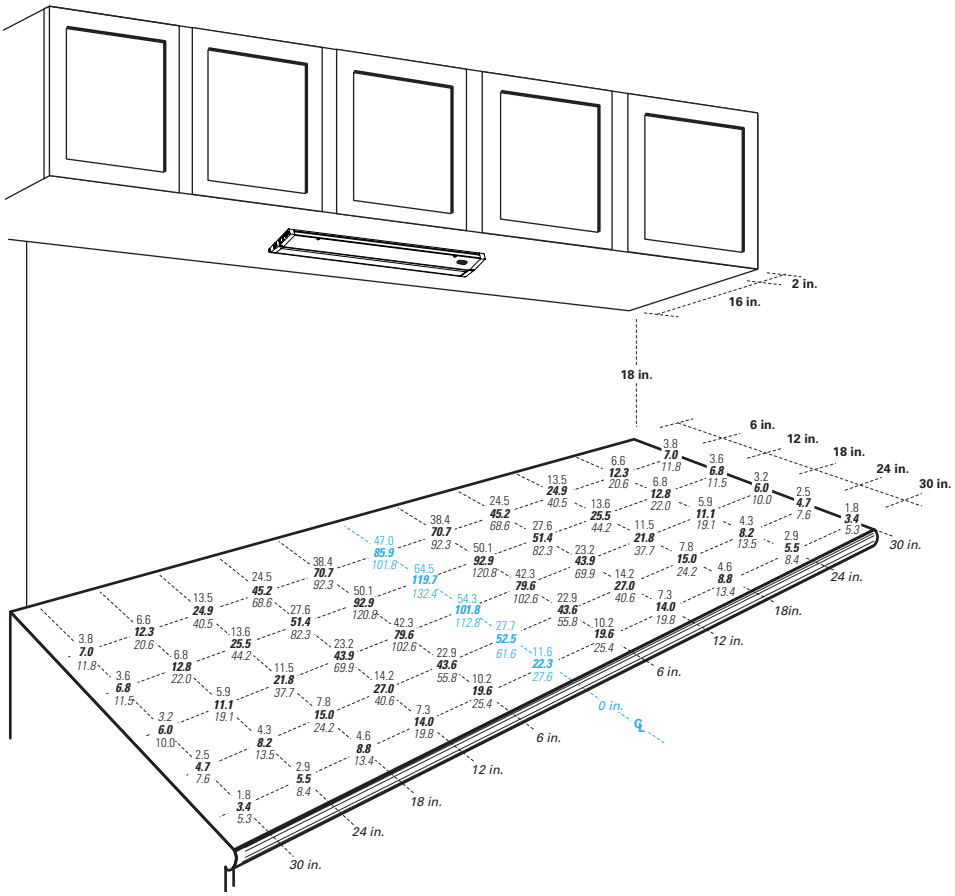
Top Number
Report: HU1109D9SMB-3000K.IES

Middle Number
Report: HU1118D9SMB-3000K.IES

Bottom Number
Report: HU1124D9SMB-3000K.IES

Countertop 60" x 30"

Diagram not to scale.



18" Mounting Height

Top Number Report - HU1109D9SMB-3000K

Middle Number Report - HU1118D9SMB-3000K

Bottom Number Report - HU1124D9SMB-3000K

Width											
30in	24in	18in	12in	6in	0in	6in	12in	18in	24in	30in	
3.8	6.6	13.5	24.5	38.4	47.0	38.4	24.5	13.5	6.6	3.8	
7.0	12.3	24.9	45.2	70.7	85.9	70.7	45.2	24.9	12.3	7.0	6 in
11.8	20.6	40.5	68.6	92.3	101.8	92.3	68.6	40.5	20.6	11.8	
3.6	6.8	13.6	27.6	50.1	64.5	50.1	27.6	13.6	6.8	3.6	
6.8	12.8	25.5	51.4	92.9	119.7	92.9	51.4	25.5	12.8	6.8	12 in
11.5	22.0	44.2	82.3	120.8	132.4	120.8	82.3	44.2	22.0	11.5	
3.2	5.9	11.5	23.2	42.3	54.3	42.3	23.2	11.5	5.9	3.2	
6.0	11.1	21.8	43.9	79.6	101.8	79.6	43.9	21.8	11.1	6.0	18 in
10.0	19.1	37.7	69.9	102.6	112.8	102.6	69.9	37.7	19.1	10.0	
2.5	4.3	7.8	14.2	22.9	27.7	22.9	14.2	7.8	4.3	2.5	
4.7	8.2	15.0	27.0	43.6	52.5	43.6	27.0	15.0	8.2	4.7	24 in
7.6	13.5	24.2	40.6	55.8	61.6	55.8	40.6	24.2	13.5	7.6	
1.8	2.9	4.6	7.3	10.2	11.6	10.2	7.3	4.6	2.9	1.8	
3.4	5.5	8.8	14.0	19.6	22.3	19.6	14.0	8.8	5.5	3.4	30 in
5.3	8.4	13.4	19.8	25.4	27.6	25.4	19.8	13.4	8.4	5.3	

Length

15" Mounting Height

Top Number Report - HU1109D9SMB-3000K

Middle Number Report - HU1118D9SMB-3000K

Bottom Number Report - HU1124D9SMB-3000K

Width											
30in	24in	18in	12in	6in	0in	6in	12in	18in	24in	30in	
3.0	5.5	12.0	23.8	41.7	54.2	41.7	23.8	12.0	5.5	3.0	
5.6	10.2	22.2	43.8	76.6	99.2	76.6	43.8	22.2	10.2	5.6	6 in
9.7	17.9	37.9	70.6	100.8	111.3	100.8	70.6	37.9	17.9	9.7	
2.9	5.7	12.4	28.6	63.0	90.4	63.0	28.6	12.4	5.7	2.9	
5.4	10.7	23.0	53.3	116.9	167.5	116.9	53.3	23.0	10.7	5.4	12 in
9.4	19.4	43.8	96.7	156.1	168.3	156.1	96.7	43.8	19.4	9.4	
2.5	4.8	10.3	23.7	51.9	73.9	51.9	23.7	10.3	4.8	2.5	
4.7	9.2	19.4	44.9	98.2	139.4	98.2	44.9	19.4	9.2	4.7	18 in
8.1	16.6	36.8	80.4	129.5	139.9	129.5	80.4	36.8	16.6	8.1	
1.9	3.4	6.6	13.2	23.8	30.3	23.8	13.2	6.6	3.4	1.9	
3.6	6.6	12.7	25.1	45.4	57.8	45.4	25.1	12.7	6.6	3.6	24 in
6.0	11.2	21.7	40.2	58.4	64.5	58.4	40.2	21.7	11.2	6.0	
1.4	2.2	3.6	6.1	8.9	10.4	8.9	6.1	3.6	2.2	1.4	
2.6	4.2	7.0	11.6	17.3	20.1	17.3	11.6	7.0	4.2	2.6	30 in
4.0	6.6	10.9	16.9	22.3	24.4	22.3	16.9	10.9	6.6	4.0	

Length

Cooper Lighting Solutions
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Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

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Product availability, specifications, and compliances are subject to change without notice.

Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

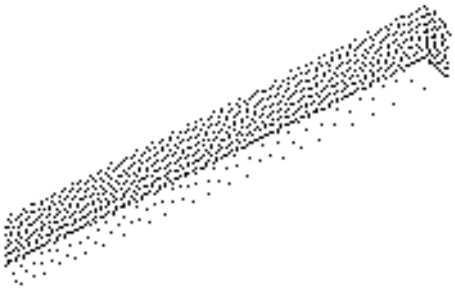
ALJ-050-CL

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Strip Light
Item Type	Linear Box Light
Description	Neoray Define 3 surface fixture
Manufacturer	Cooper Lighting/NeoRay
Model	S123DS-8C340D830JB-8FO/8-U-DD-F-W
Dimensions	8'L x 3"W x 4.5"H
Finish	White
Material Composition	Aluminum Housing
CSI #	265000 - Lighting Fixtures
Omniclass #	22-265000 Lighting Fixtures
Dimming Type	0-10V
Mount	Surface
On Dimming System	Yes
Lens/Shade	Satin White Diffuser
Fixture Input (Max. Watts)	11.6W (4' fixture)
Lamp Type	LED-I
Lamp Kelvin	3000K
Voltage	120-277V
Delivered Lumens (LED) or Mean Lumens (Non-LED)	1245.6 (4' fixture)
Finish	White
Lamp CRI	80+
Notes	Fixture Life: 60,000 hrs Efficacy: 107.4 lm/w (4' fixture)



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 2

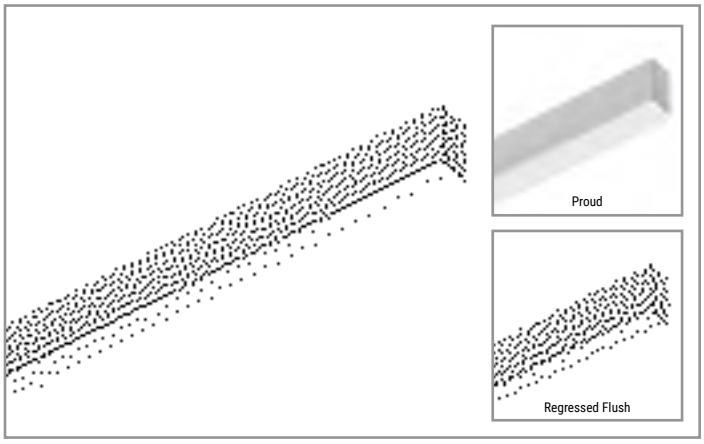
ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk

Project		**Catalog #**	S123DS-8C340D830JB-8FO/8-U-DD-F-W	**Type**	ALJ-050-CL
Prepared by	Kathleen Kenny National Accounts	**Notes**	Ph: 678-447-5208 kathleen.kenny@cooperlighting.com	**Date**	



Neo-Ray

Define 3

3" LED
Surface
Direct

Typical Applications

Office • Education • Healthcare • Hospitality • Retail

Interactive Menu

- Order Information page 2
- Product Specification page 3
- Photometric Data page 4
- Performance Data page 5
- VividTune page 6

Product Certification

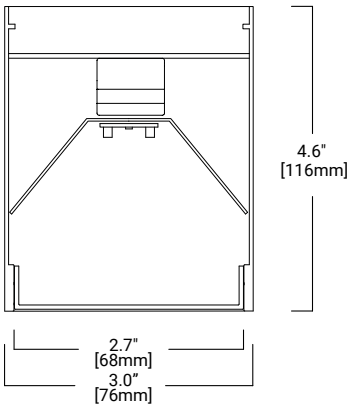
Product Features

damp location · powered by fifthlight · VividTune

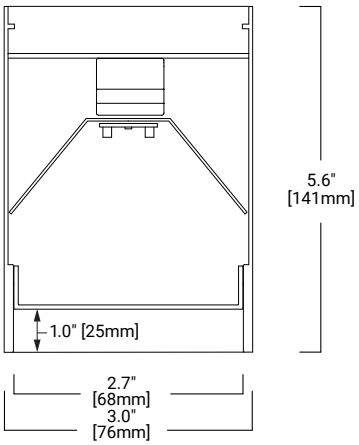
Top Product Features

- Surface Mount Slot family in 2", 3", 4" and 5" housing sizes
- Specifiable to the nearest foot
- Satin, Asymmetric and Drop Direct Lensing available
- Independently specifiable Direct / Indirect lumen packages
- 0-10V dimming standard; DALI dimming available
- 2700K, 3000K, 3500K, 4000K, and 5000K correlated color temperatures available

Dimensional and Mounting Details



Standard Housing



Regressed Housing

additional product diagrams

Neo-Ray 3" LED Surface Direct

Order Information

Icon Key: Ø Consult factory for availability

SAMPLE ORDER NUMBER: **S123DS-C340D835JB-4F0-1-UDD-A-W**

S123DS	-8C	340D	8	30	JB	-8FO	/8
Series	Light Engine	Lumen Package Down (Lms/ft)	CRI	LED CCT	Ceiling Type	Luminaire Length (Ft)	Max section length

Series	Light Engine	Lumen Package Down (Lms/ft)	CRI	LED CCT	Ceiling Type	Luminaire Length (Ft)	Max section length
S123DS=Define 3 Direct Surface **S123RDS**=Define 3 Regressed Direct Surface	**-C**=Core **-H**=High Performance **-V**=VividTune Ø	**340D**=340 Lms/ft (2.9W/ft) **560D**=560 Lms/ft (4.8W/ft) **775D**=775 Lms/ft (6.7W/ft) **1000D**=1000 Lms/ft (8.8W/ft) **1165D**=1165 Lms/ft (10.6W) **____D**=Custom Lms/ft Ø	**8**=80 **9**=90	**27**=2700K **30**=3000K **35**=3500K **40**=4000K **50**=5000K **2765**=2700K-6500K **3050**=3000K-5000K	**JB**=Gypsum Board, Junction Box, Structure **T1**=15/16" T-Grid (ETG) **T9**=9/16" T-Grid (FTG) **TS**=9/16" Slot (STG), Tegular (FTT), Interlude (ITG)	**-___F0**=Nominal Length	**(blank)**=12ft (std) **/8**=8ft
Notes RDS regress of 1" will add an additional 1" to fixture depth.	**Notes** See performance table for add'l details. Light engine must be consistent across run length. V option requires lumen package of 775 lms/ft or greater.	**Notes** 3500K/80CRI/DIP/F Lens. Please refer to scaling data or other variables. For custom lumen output, please refer to additional information on page 3. 340 Lms/ft not available on 2ft fixture length	**Notes** Additional lead-time and cost may apply for 927, 930, 935 and 940 configurations. 2765/3050 VividTune configurations require V light engine and W2A driver.		**Notes**	**Notes** Minimum fixture length is 2ft. Specify to nearest foot in length.	**Notes** Individual fixtures configured as 12ft max by default. Continuous runs configured as 8ft max (12ft not available).

-1		-U	DD	-F
Circuiting	Additional Section Wiring	Voltage	Driver Type	Shielding Down

	Additional Section Wiring	Voltage	Driver Type	Shielding Down
-1=Single Circuit **-S**=Secondary Circuit	**E**=Emergency Circuit **B1**=Surelite 7W 120-277V EM battery pack (EL7W) **B2**=Surelite 14W 120-277V EM battery pack (EL14W) **T**=UL924 EPC Emergency Bypass Relay	**-U**=Universal (120V-277V) **-1**=120V **-2**=277V **-3**=347V	**DD**=Standard 0-10V Dimming (1%-100%) **5L**=Fifth Light DALI (5%-100%) **L5**=Lutron 5 Series (LDE5-Series) 5%-100% EcoSys **LH**=Lutron HiLume (LDE1 series) 1%-100% EcoSys **W2A**=White Tuning, 0-10V Dimming (VividTune only)	**-F**=Satin White Diffuser **-D**=Satin Drop diffuser **-A**=Asymmetric Diffuser
Notes Secondary circuit similar to A/B switching. Price adder applies for "S" configuration.	**Notes** Battery available on fixture ≥ 4ft in length. B1-B2 and T options not compatible with 347V. Standard battery 4ft battery section located in the beginning of the fixture, but can be relocated using the linear product configurator. When configured with secondary circuit, battery test switch will be located in a plate on the direct side of the fixture.	**Notes** 347V only available with DD driver option.	**Notes** DD driver is standard. For non-dimming applications, the driver will default to full brightness if no connection is made to the capped dimming wires in the field.	**Notes** All lensing options are snap-in lenses.

	-W	
Options	Finish	Integrated Sensor

Options	Finish	Integrated Sensor
-R=GLR Fuse (Fast) **-F**=GMF Fuse (Slow)	**-W**=White **-S**=Silver **-B**=Black **-C**=Custom Match **-R**=RAL Custom	**-WAA**=WaveLinx Pro Wireless **-WAB**=WaveLinx Lite Wireless Ø **-LWIPD1**=Enlighted Wireless **-SVPD1**=Standalone **(Blank)**=None
Notes Additional lead-time may apply. Not available with 347V option.	**Notes** Contact factory for C and R options. W/S/B are standard.	**Notes** DD driver must be selected. Please refer to page 5 for additional detail required to specify integrated sensors. Integral option not available with regressed or drop lensing.

Neo-Ray 3" LED Surface Direct

Product Specifications

Construction
- Available in Flush and Regressed Housing
- Precision cut housing extruded from 6063 aluminum
- Precision cut & welded end-caps ensure a robust and clean construction
- Nominal 2' -12' illuminated sections used in individual fixtures and 2'-8' illuminated sections used in continuous runs

Finish
- Electrostatically applied polyester powder coat paint

LED Module
- Modular LED tray assembly comprising reflector and light engine with quick disconnect wire-harness for ease of installation and maintenance over the life of the luminaire

Light Engine
- Offered with two next generation Neo-Ray light engines delivering industry leading efficacy and long-life
- LED's are available in 2700K, 3000K, 3500K, 4000K or 5000K
- CRI options of either ≥80CRI or ≥90CRI (Lumen output will be affected - please refer to the lumen adjustment factor table)

LED Drivers
- LED system coupled with electrical driver
- Traditional electronic drivers are available for 120-277V and 347V applications

Controls and Integrated Sensors
- Equipped standard with a 0-10V continuous dimming driver. Compatible with most standard dimming devices
- Additional control types are available (DALI & Lutron) at an additional cost
- WaveLinx and Enlighted wireless sensors as well as stand-alone sensors available

Mounting
- Surface

Lengths
- Available in any length (2ft min) with a resolution of 1 foot. Max section length of 12ft (8ft max used on continuous runs and available for individual fixtures)
- Additional fixture lengths are available please consult factory. All lengths are nominal and do not include end caps.

Corners and Transition Pieces
- Corners and other transition pieces are fully luminous
- Constructed using precision mitered housing and lens components
- Extrusions are welded to ensure a precise and robust assembly
- Standard 90° horizontal corners as well as custom corners are available
- Consult online linear configurator or the factory for precise corner locations and for ordering
- Alternative transition pieces such as T's, Y's, X's, etc. are also available Ø

Direct Snap-In lensing Options
- Satin Flush - Flush, high diffusion glare-free lens
- Satin Drop - 1" Drop, high diffusion glare-free lens
- Asymmetric - Flush, low-glare Asymmetric lens
- Flush options ship with our patent-pending underlens solution, the proud lens ships with an injection molded end cap to eliminate light leak

Reflectors
- Precision formed cold-rolled steel reflectors with high reflectivity
- Ultra high reflectivity used with High Performance light engine

Lumen Maintenance
- 90% (L90) of initial light output at 61,000+ hrs
- 70% (L70) of initial light output at 237,000+ hrs
- Derived from TM-21 standard @25°C for worst case operating conditions

Custom Lumen Output
- Custom lumen output expressed option in Lumens per foot (e.g. -725D for 725 Lms/ft down). Refer to additional detail on page 4.

Electrical
- Dimming provided as standard
- Dimming wires capped with wire-nuts for non-dimming applications
- Optional battery backup options provided
- Default battery location is internal to fixture
- Default emergency section is 4ft in length and located at the beginning of the fixture unless designated elsewhere
- Estimated lumen output = battery wattage * min efficacy (see performance table)
- The EPC option will bypass local controls and dimming upon loss of normal power. This option is required when the fixture has both integrated sensors and emergency circuiting

Integrated Sensors
- Please reference page 5 for details

Weight
- 3.6 lbs per foot

Approvals
- cULus - listed for damp locations
- Meets NYC requirements
- Meets CCEC requirements
- Tested to IESNA LM-79 and LM-80
- Can be used for State of California Title 24 high efficacy luminaire
- DesignLights Consortium® Qualified and classified for DLC Standard and DLC Premium, refer to www.designlights.org for details and listed configurations.

Warranty
- Five year warranty standard.

Shielding Options

Standard Flush Lens

Regressed Flush Lens

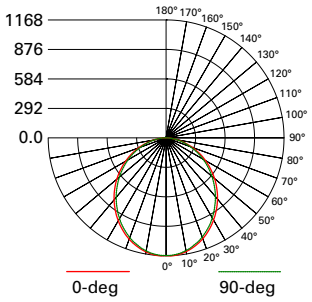
Standard Proud Lens

Asymmetric Lens

Neo-Ray 3" LED Surface Direct

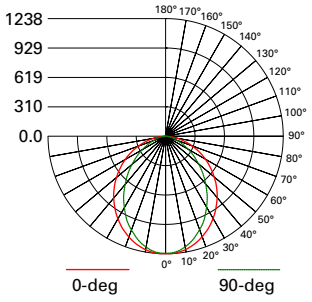
Photometric Data

View IES files

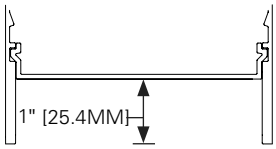


FILE NAME:
S123DR-S775D835-GYP4F0-1-UDD-F-W
LUMENS: 3027 Lms
LPW: 114.7 LPW
CCT: 3500K
WATTS: 26.4 W
TEST NUMBER: G3-1802-639-11

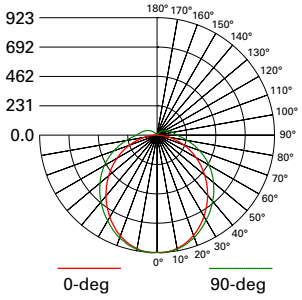
SATIN FLUSH LENS



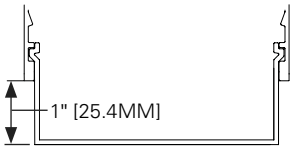
FILE NAME:
S123RDR-S775D835-GYP4F0-1-UDD-F-W
LUMENS: 2786 Lms
LPW: 105.5 LPW
CCT: 3500K
WATTS: 26.4 W
TEST NUMBER: G3-1802-639-25



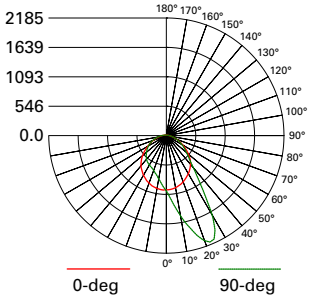
SATIN REGRESSED DIFFUSER



FILE NAME:
S123DR-S775D835-GYP4F0-1-UDD-D-W
LUMENS: 3085 Lms
LPW: 116.9 LPW
CCT: 3500K
WATTS: 26.4 W
TEST NUMBER: G3-1802-639-15



SATIN DROP LENS



FILE NAME:
S123DR-S775D835-GYP4F0-1-UDD-A-W
LUMENS: 3115 Lms
LPW: 118.0 LPW
CCT: 3500K
WATTS: 26.4 W
TEST NUMBER: G3-1802-639-20

ASYMMETRIC FLUSH LENS

Photometric Overview and Performance Data

Direct Performance Per Linear Foot at 3500K/80CRI

Nominal Output	Standard		High Performance		VividTune	
lms/ft	W/ft	lm/W	W/ft	lm/W	W/ft	lm/W
340	2.9	124	2.9	126	3	120
560	4.8	125	4.4	130	4.9	121
775	6.7	122	6.1	131	6.7	119
1000	8.8	120	8.1	128	8.9	116
1165	10.6	115	9.7	123	10.7	112

LUMEN ADJUSTMENT CALCULATIONS

Example 1 - Adjusted Lumen Output
Nominal Lumen Output selected = 1025 lms/ft (based on standard of 3500K/80CRI)
Lumen Adjustment Factor = 0.801 (2700K/90CRI desired)

Adjusted Lumen Output = Nominal Lumen Output x Lumen Adjustment Factor
Adjusted Lumen Output = 1025 lms/ft x 0.801 = 821 lms/ft

Example 2 - Custom Lumen Output based on Required Lumens Per Foot
Total light output (4ft) requirement of 2800 lms, desired CCT and CRI of 4000K/80CRI

Total required lumens per foot @ 4000K= 2800 lms / 4 ft = 700 lms/ft
Lumen Adjustment Factor = 1.018 (Requirement based on 4000K / 80CRI)

Total required lumens per foot @ 3500K / 80CRI = 700 lms/ft ÷ 1.018 = 688 lms/ft

Estimated efficacy = 121 LPW (find nearest value using table above)
Estimated power consumption = 688 lms/ft ÷ 121 lm/W = 5.69 W/ft

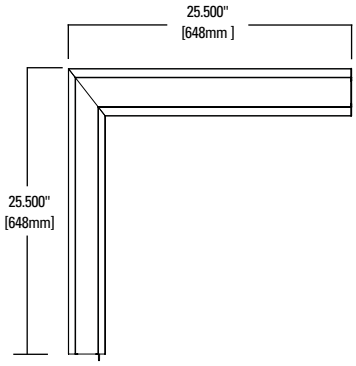
Custom Lumen Output

Total Light Output Range (lms/ft)

CCT	Lumen Adj Factors		Direct Output Range	
	80CRI	90CRI	80CRI	90CRI
2700K	N/A	0.792	N/A	269-923
3000K	0.943	0.815	321-1099	277-949
3500K	1.000	0.861	340-1165	293-1003
4000K	1.010	0.892	343-1177	303-1039
5000K	1.010	0.892	343-1177	303-1039

If your requirement is expressed in power consumption (W/ft) rather than light output, you can use the power to lumen output curves to convert power consumption to light output for specification. Efficacy for custom lumen outputs can be estimated using lumen output curves or with the use of our online custom lumen output tool.

Corner Transitions



Integrated Sensor Details and Placement

Sensor Type	Wireless	Sensor Integration	Sensor Mounting	Ordering Code
WaveLinx Pro	Yes	Integral to Fixture	Mounted in solid cover	WAA
WaveLinx Lite	Yes	Integral to Fixture	Mounted in solid cover	WAB
Enlighted	Yes	Integral to Fixture	Mounted in illuminated lens	LWIPD1
Stand-Alone SVPD1	No	Integral to Fixture	Mounted in solid cover	SVPD1

Optional standalone and wireless connected integrated sensors require use of the DD (0-10V) driver. WaveLinx and Enlighted sensors require additional system hardware (not provided) for full functionality.

Standard sensor layout is shown below. Please refer to sensor coverage pattern diagrams to ensure proper coverage for the application. Standard configurations are available in both individual fixtures and in continuous runs. Default spacing is based on the maximum fixture length of 12ft and can be changed to 8ft sensor spacing for additional coverage by selecting the 8ft max fixture length option when ordering.

For additional information integrated sensors and connected lighting, please visit Cooper Lighting Solutions's Connected Lighting Website.

○ Standard Sensor with Luminaire Control
⊠ Auxiliary Sensor used for Sensor Coverage (wireless systems only)

INTEGRAL SENSOR

≤8ft Individual	○	
>8ft Individual	○	⊠

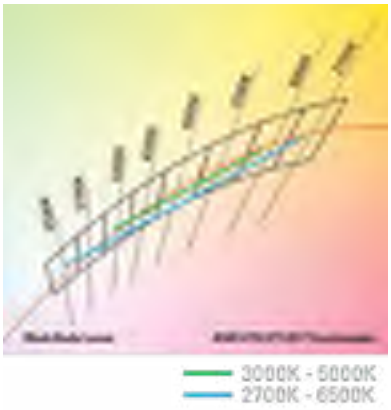
Note: When 8ft max section length is used on individual fixtures > 8ft, sensor placement follows logic for continuous run.

Beginning of Run (BOR)	○	
Intermediate Section (INT)	○	
End of Run (EOR) > 4ft	○	⊠
End of Run (EOR) ≤ 4ft		○

VividTune™
color tuning solutions

Define 3 Pendant LED with VividTune Tunable White

VividTune tunable white luminaires deliver high-quality light in a broad range of continuously variable color temperatures and intensities. Create a dynamic environment by adjusting the ambient light warmer or cooler to influence mood, support the task at hand, or create a dramatic ambience. The ability to control correlated color temperature and intensity separately using simple controls is the next evolution of LED lighting for the commercial, educational, healthcare and hospitality space. The unparalleled flexibility and number of available lighting environments enable users to find the right light with tunable white.



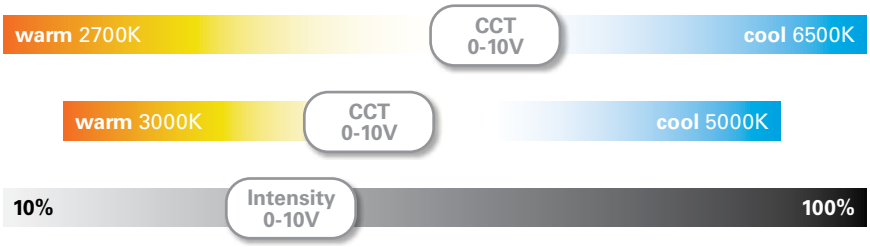
Performance Data*

Tunable White - Lumen Adjustment Factors				
CCT	3000K-5000K		2700K-6500K	
	80 CRI	90 CRI	80 CRI	90 CRI
2700K	-	-	0.868	0.741
3000K	0.894	0.736	0.893	0.771
3500K	0.946	0.804	0.924	0.809
4000K	0.993	0.868	0.944	0.835
4500K	1.002	0.883	0.961	0.857
5000K	1.002	0.883	0.974	0.874
6500K	-	-	0.988	0.897

Example of Approximate Lumen Calculation			
	Standard Catalog #	VividTune 80 CRI Catalog #	VividTune 90 CRI Catalog #
CCT Setting	S123DS-C1000D835-X-UDD-F-W	S123DS-V1000D83050-X-UW2A-F-W	S123DS-V1000D93050-X-UW2A-F-W
3000K	-	3576	2944
3500K	4000	3784	3216
4000K	-	3972	3472
4500K	-	4008	3532
5000K	-	4008	3532

Controlling VividTune Tunable White

VividTune luminaires make tunable white more accessible by using simple and familiar controls. From wall dimmers to wireless controls, VividTune tunable white luminaires are compatible with industry standard 0-10V dimming controls. A single 0-10V dimming input is used to control intensity (brightness) while a second 0-10V dimming input is used to adjust CCT. For suggested control configurations, go to www.cooperlightingsolutions.com for tunable white application guides.



Example of Lumen Adjustment Calculation

S123DS-V1000D83050-X-UW2A-F-W
at 80 CRI tuned to 3500K

Adjusted Lumen =
published lm x adjusted lm factor

Adjusted Lumen = 4000 x 0.946

Adjusted Lumen = 3784 lm

** Lumen adjustment factors are for reference and may be different for each product selected. Refer to IES files for actual performance data on each.*

Cooper Lighting Solutions
18001 East Colfax Avenue
Aurora, CO 80011
P: 303-393-1522
www.eaton.com/lighting

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Specifications and dimensions subject to change without notice.

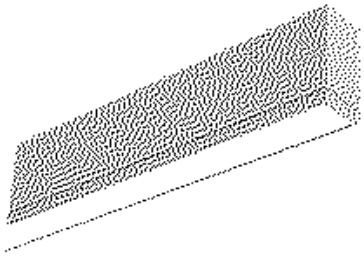
Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALJ-050-SI

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Strip Light
Item Type	Linear Box Light
Description	TruGroove Micro surface fixture
Manufacturer	Signify / Ledalite
Model	TM11L930D15NNN08DE1NNNWSF
Dimensions	8'L x 2.125"W x 4"H
Finish	White
CSI #	265000 - Lighting Fixtures
Omniclass #	22-265000 Lighting Fixtures
Dimming Type	0-10V
Mount	Surface
On Dimming System	Yes
Lens/Shade	Satin White Diffuser
Fixture Input (Max. Watts)	15.9W (4' fixture)
Lamp Type	LED-I
Lamp Kelvin	3000K
Voltage	120-277V
Delivered Lumens (LED) or Mean Lumens (Non-LED)	1520 (4' fixture)
Finish	White
Lamp CRI	80+
Notes	Fixture Life: 60,000 hrs Efficacy: 95.6 lm/w (4' fixture)



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

ALTERNATE MANUFACTURER 2

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 3

AREAS

Welcome Desk

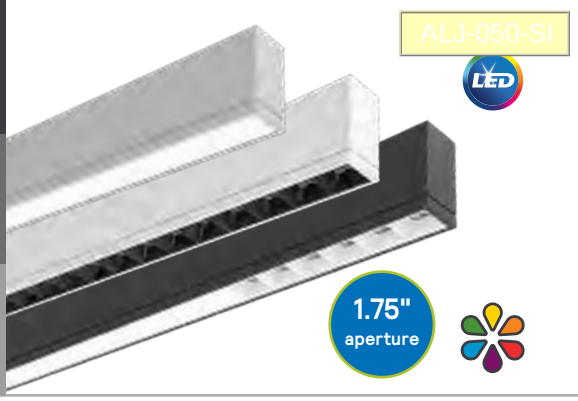
ALTERNATE MANUFACTURER 4	

LEDALITE
by signify

Linear

TruGroove

Surface micro (lens)



ALJ-050-SI

TruGroove surface micro (lens) drives performance beyond the edge. Innovative optics deliver exceptional uniformity and wide row spacing from a 1.75" aperture continuous line of light. Unique Quad Optic louver cells offer a wide range of options from graze to stack to asymmetric wall wash exceeding the demands of the most challenging spaces.

TruGroove surface micro includes AccuRender technology for the highest color quality at the highest efficacy

Project:
Location:
Cat.No:
Type:
Line ID: Qty:
Notes:

Ordering guide

example: TM11L940QRPC230NNN08DS1NCSW, SF

Family	Version	Distribution	Source	CRI/CCT [1]
TM	1	1	L	930
TM TruGroove micro	**1** Surface	**1** Direct	**L** LED	**950** CRI 90, 5000K **940** CRI 90, 4000K **935** CRI 90, 3500K **930** CRI 90, 3000K **927** CRI 90, 2700K **9T2** CRI 90, 2700–6500K 2ch Tunable White (confirm controls) [5,8]

Optics (Direct)	Lumens (Direct)[1]	Optics (Indirect)	Lumens (Indirect)[1]	Run Length
D	15	N	NN	08

Lens

Optic
- **N** No lens (specify direct louver)
- **Q** Performance Symmetric Batwing Flush MesoOptics
- **W** Performance Asymmetric/ Wall Wash
- **B*** Definition Symmetric Flush Black
- **L** Definition Symmetric Flush Silk
- **D*** Definition Symmetric Drop Silk

Note: To specify a lens/louver combination please select both lens and louver options

* Coming soon

Louver cell* (specifiy Quad Optic, color, length, position)

Quad Optic
- **N** No louver (specify direct lens)
- **G** Performance 17° Graze Beam w/MesoOptics
- **R** Performance 27° Narrow Beam w/MesoOptics
- **M** Performance 48° Medium Beam w/MesoOptics
- **S** Performance 63° Stack Beam w/MesoOptics
- **Q** Performance 61° Symmetric Batwing w/MesoOptics
- **W** Performance 20° Asymmetric Wall Wash w/MesoOptics

Color	Length [15]	Position [15]
N None	**N** None	**N** None
B Black	**C** 6in (3 Cells)	**1** One End
W White	**1** 1ft (6 Cells)	**2** Both Ends
P Platinum	**F** Full Length	**F** Full Length
G Gold		
C Copper		

Lumens (Direct)[1]
- **NN** None
- **40** 4000 lm/4ft
- **35** 3500 lm/4ft
- **30** 3000 lm/4ft
- **25** 2500 lm/4ft
- **20** 2000 lm/4ft
- **15** 1500 lm/4ft
- **10** 1000 lm/4ft

Optics (Indirect)
- **N** None

Lumens (Indirect)[1]
- **NN** None

Run Length
- **02** 2ft
- **C2** 2.5ft
- **03** 3ft
- **C3** 3.5ft
- **04** 4ft
- **05** 5ft
- **06** 6ft
- **08** 8ft
- **XX** Continuous run in 6" increments (please specify)

Surface Patterns [7]:
- **A4** 2'x2' Flat Corner (90°)

Voltage	Driver	Circuit [2,10]	Wiring Option [2,10]	System / Controls [9]
D	E	1	N	NN
D UNV 120–277V **3** 347V [3]	**E** Advance Xitanium 0–10V (1% Dim)	**1** Single Circuit **V** Single Circuit + 1 Thru Wire (BP Trigger) [11]	**N** None **B** Battery Pack [3] **E** Aux. Wiring [6] **G** GTD [3] (please specify voltage)	**NN** None
D UNV 120–277V	**D** Advance Xitanium DALI (5% Dim) [3] **H** Lutron EcoSystem LDE1 (<1% Dim, Fade-to-Black) [3]			
D UNV 120–277V	**S** Advance Xitanium SR (1% Dim) [3]	**1** Single Circuit **V** Single Circuit + 1 Thru Wire (BP Trigger) [11]	**N** None **B** Battery Pack [3] **R** UL924 Sensor Bypass Relay [13]	**NN** None **CS** Interact Pro scalable wireless sensor with integral daylight & occupancy sensing, advanced grouping with dwell time [4,14] **SB** Interact Pro wireless sensor with occupancy, daylight, and environmental sensing capabilities [4,12,14]
L Low Voltage (48–54V DC)	**P** PoE Lighting Controller	**1** Single Circuit	**N** None **B** Battery Pack [3]	**NN** None **IO** Interact Office wired sensor with integral daylighting & occupancy sensing, enables wired connected lighting control [4,12] **SB** Interact Office advanced wired sensor with occupancy, daylight, and environmental sensing capabilities [4,12]

Finish	Mount Type
	SF
W Standard White **T** Titanium Silver **B** Black **G** Graphite Grey **C** Custom (please specify)	**SF** Surface mounted

Footnotes 1–8 (hover here to view or see last page of spec sheet)

Footnotes 9–15 (hover here to view or see last page of spec sheet)

quickship · ETL · mesoOptics · interact ready.

TruGroove surface micro (lens)

Options and dimensions

Standalone

Keep it simple with standalone modules, available in 8 standard lengths (consult Ledalite for custom lengths).

2ft
2.5ft
3ft
3.5ft
4ft
5ft
6ft
8ft

Continuous Run

Create an uninterrupted ribbon of light with continuous runs, specifiable to 6 in.

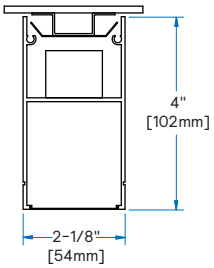
Patterns

Seamlessly create any pattern imaginable (flat corners are 90°, contact Ledalite for custom angles and intersections).

Flush lens

TruGroove surface micro with 1.75” wide Flush MesoOptics or Silk lens.

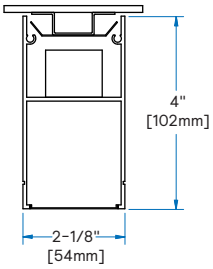
Direct



Louver (Coming soon)

TruGroove surface micro with Ledalite's unique quad optic louver cells with MesoOptics in 6 distributions.

Direct



Louvers can be ordered at the full fixture length or in 6 in. or 1 ft sections at one or both ends of a fixture in combination with a lens.

Drop lens and black lens (Coming soon)

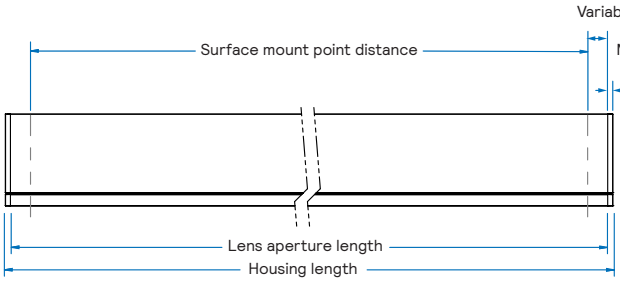
TruGroove surface micro with drop lens and black lens options.

TruGroove surface micro (lens)

Options and dimensions

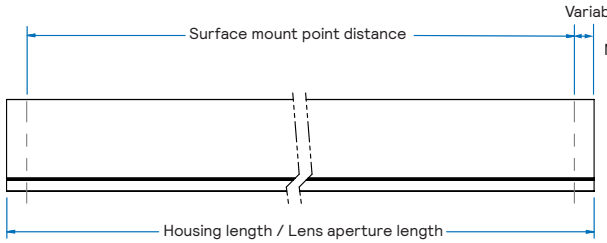
Side Views

Standalone



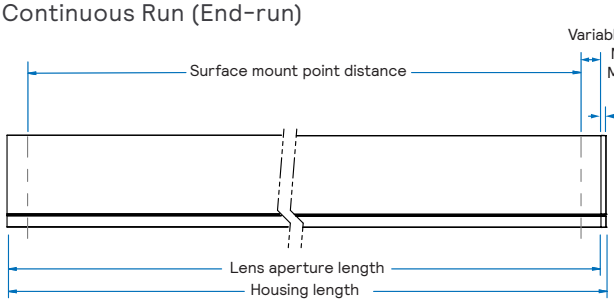
Nominal	Housing	Lens Aperture	Surface Mount Point Distance
2ft	24.5" [622mm]	24.0" [610mm]	19.60" [498mm] to 20.86" [530mm]
2.5ft	30.5" [775mm]	30.0" [762mm]	25.60" [650mm] to 26.860" [682mm]
3ft	36.5" [927mm]	36.0" [914mm]	31.60" [803] to 32.860" [835mm]
3.5ft	42.5" [1080mm]	42.0" [1067mm]	37.60" [955mm] to 38.86" [987mm]
4ft	48.5" [1232mm]	48.0" [1219mm]	43.60" [1107mm] to 44.86" [1139mm]
5ft	60.5" [1537mm]	60.0" [1524mm]	55.60" [1412mm] to 56.86" [1444mm]
6ft	72.5" [1842mm]	72.0" [1829mm]	67.60" [1717mm] to 68.86 [1749mm]
8ft	69.5" [2451mm]	96.0" [2438mm]	91.60 [2327mm] to 92.86 [2359mm]

Continuous Run (Mid-run)



Nominal	Housing	Lens Aperture	Surface Mount Point Distance
2ft	24.0" [610mm]	24.0" [610mm]	19.60" [498mm] to 20.86" [530mm]
2.5ft	30.0" [762mm]	30.0" [762mm]	25.60" [650mm] to 26.860" [682mm]
3ft	36.0" [914mm]	36.0" [914mm]	31.60" [803] to 32.860" [835mm]
3.5ft	42.0" [1067mm]	42.0" [1067mm]	37.60" [955mm] to 38.86" [987mm]
4ft	48.0" [1219mm]	48.0" [1219mm]	43.60" [1107mm] to 44.86" [1139mm]
5ft	60.0" [1524mm]	60.0" [1524mm]	55.60" [1412mm] to 56.86" [1444mm]
6ft	72.0" [1829mm]	72.0" [1829mm]	67.60" [1717mm] to 68.86 [1749mm]
8ft	96.0" [2438mm]	96.0" [2438mm]	91.60 [2327mm] to 92.86 [2359mm]

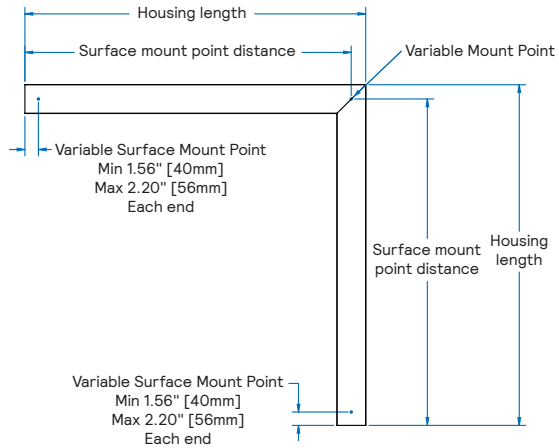
Continuous Run (End-run)



Nominal	Housing	Lens Aperture	Surface Mount Point Distance
2ft	24.25" [616mm]	24.0" [610mm]	19.60" [498mm] to 20.86" [530mm]
2.5ft	30.25" [768mm]	30.0" [762mm]	25.60" [650mm] to 26.860" [682mm]
3ft	36.25" [921mm]	36.0" [914mm]	31.60" [803] to 32.860" [835mm]
3.5ft	42.25" [1073mm]	42.0" [1067mm]	37.60" [955mm] to 38.86" [987mm]
4ft	48.25" [1226mm]	48.0" [1219mm]	43.60" [1107mm] to 44.86" [1139mm]
5ft	60.25" [1530mm]	60.0" [1524mm]	55.60" [1412mm] to 56.86" [1444mm]
6ft	72.25" [1842mm]	72.0" [1829mm]	67.60" [1717mm] to 68.86 [1749mm]
8ft	96.25" [2445mm]	96.0" [2438mm]	91.60 [2327mm] to 92.86 [2359mm]

Top View

Flat Corner 90°



Nominal	Housing	Surface Mount Point Distance
2ft x 2ft	25.1" [636mm]	23.80" ±0.2" [604 ±5mm]

Flat corners are 2ft x 2ft and can be used to create surface patterns.
Flat corners are 90°, contact Ledalite for custom angles and intersections.

TruGroove surface micro (lens)

Specifications

Optical System

Direct hemisphere: Light emitted from a linear array of downward-facing LEDs is laterally redirected using optical microstructures embedded in a layer of MesoOptics DX film to generate an optimal batwing distribution and a uniform continuum of light. The available Flush Silk lens is a value-oriented option that provides a lambertian distribution while maintaining a uniform continuum of light.

Additionally, Ledalite's unique Quad Optic Louver Cell provides 6 tailored optical distributions with reduced glare.

Housing

Post painted precision aluminum extrusion.

Endcaps

Diecast flat aluminum endcaps with integral groove to match housing.

Finish

High quality powder coated, available in standard Matte White, Black, Titanium Silver or Graphite Grey. TruGroove can also be specified in any custom color upon request for a one-time setup charge. Optional sensors (such as Interact Pro) available in white only.

Mounting

Surface: Fixture is mounted flush to surface using hidden brackets that attach to existing structure, variable between 0.6"-1.7" from end or joint.

Joints

Self-aligning joining system with hands-free pre-joining wire access.

Weight

Maximum 3.8/ft (surface mount), 10lb (2ft x 2ft surface mounted corner).

Electrical

Fixtures are factory pre-wired to section ends with quick-wire connectors and tested for all circuits and backup battery packs. LED boards and drivers are easily field replaceable with access from below the ceiling.

Standard Drivers

Advance Xitanium 0-10V, 1% Dimming.
Advance Xitanium DALI, 5% Dimming.
Advance Xitanium Sensor Ready, 1% Dimming.
PoE Lighting Controller (for PoE tunable white).
Lutron EcoSystem LDE1, 1% Dimming with Soft-On and Fade-to-Black.
Class 2 rated output. Consult Ledalite for other available drivers.

Standard Battery Packs

Bodine Battery Pack, 90 min, 10W, Class 2 rated output.
Lumen output = 10W x luminaire efficacy x 1.1. Typical output ~1200lm.

PoE Battery Pack, 90 min, 6W, Class 2 rated output.

Lumen output = 6W x luminaire efficacy. Typical output ~650lm.

Lumen Maintenance

LEDs have been tested by the manufacturer in accordance with IESNA LM-80-15. At an ambient temperature of 25°C, the LED lumen maintenance expectation according to IES TM-21-11 is:
L_{80} (10k) > 60,000 hours (Reported methodology).

Source Color

LEDs rated for color rendering of:
CRI $R_a \geq 90$, $R_9 \geq 50$, $G_a \geq 97$, $C_g \geq 90$
IES TM-30-18 : $R_f \geq 90$, $R_{f,h1} \geq 89$, $R_g \geq 99$, $R_{cs,h1} \geq -5\%$

SPD and TM-30-18 reports available upon request

Fixture to fixture color accuracy within:
2 SDCM for Static White luminaires
3 SDCM for Tunable White luminaires

Approvals

Certified to UL, IES & CSA Standards.

Select TruGroove micro configurations contribute toward satisfying features L03, L04, L06, L07 and L08 under the WELL v2 Building Standard®.

Environment

Rated for dry or damp locations in operating ambient temperatures of 0-25°C (32-77°F).

Many luminaire components, such as reflectors, refractors, lenses, and LEDs are made from various types of plastics which can be adversely affected by airborne contaminants. If sulfur-based chemicals, petroleum-based products, cleaning solutions, or other contaminants are expected in the intended area of use, consult factory for compatibility. Damage caused by sulfur, chlorine, petroleum-based solution or other contaminants are not covered under warranty. Not suitable for natatorium environments.

Warranty

Five-year luminaire limited warranty including LED boards and driver:
www.signify.com/warranties

QuickShip

10-day QuickShip available for most configurations upon request. More information available at:
www.signify.com/en-us/brands/ledalite/quickship

TruGroove surface micro (lens)

Wireless Controls Options

Interact Pro scalable sensor for Foundation, Advanced & Enterprise tiers (CS an evolution of SpaceWise):

- CS is a connected sensor with integral occupancy and daylight sensing and supports wireless mesh connectivity.
- The sensor works in the Foundation mode (similar to SpaceWise) when configured without a gateway or in an Interact Pro Advanced or Enterprise mode if a compatible gateway is used.
- Interact Pro includes an App, a portal and a broad portfolio of wireless luminaires, lamps and retrofit kits all working on the same system.
- Startup is implemented via Interact Pro App (Android or iPhone) & Bluetooth connectivity. The App provides flexibility to choose between a gateway or non gateway mode for setup.
- Setup with the gateway requires wired internet access to the gateway. It is possible to add a gateway at a later point.
- Prepare project configuration steps remotely and use IRT9015 remote onsite to identify and group devices together.
- Compatible with UID8451/10 wireless dimmer switch, SWS200 wireless scene switch, wireless Occ sensor (OCC SENSOR IA CM IP42 WH 10/1) and wireless Day/Occ sensor (OCC MULTI SENSOR IA CM WH 10/1).
- For more information on Interact Pro visit: www.interact-lighting.com/interactproscalablesystem

Emergency Options (R):

- Power Sensing (Factory default) – Recommended
- UL924 option requires unswitched power sense line, absence of voltage on the normal circuit triggers luminaire to 100% output.
- Power Interruption Detection (Field option)
- Detects AC power interruption >30ms triggers 90 minute emergency mode with luminaire at 100% output.

Interact Pro scalable sensor bundles for Enterprise tier (SB):

- SB option, in addition to occupancy and daylight sensing, supports advanced IoT capabilities such as people estimation analysis, desk level temperature & humidity sensing, noise classification, and BLE beacon.
- Compatible with UID8451/10 wireless dimmer switch, SWS200 wireless scene switch, wireless Occ sensor (OCC SENSOR IA CM IP42 WH 10/1) and wireless Day/Occ sensor (OCC MULTI SENSOR IA CM WH 10/1).
- Use Interact software and insights to increase building efficiency, achieve building wide integration and optimize space through occupancy analytics.
- Requires compatible Gateway and internet connectivity for commissioning. For more information, visit: www.interact-lighting.com/office

Wired Controls Options

Interact Office Wired PoE (IO & SB):

- PoE based IoT connected lighting solution for large enterprises that span across multiple floors, buildings and require multiple gateways.
- Use Interact software and insights to increase building efficiency, achieve building wide integration and optimize space through occupancy analytics.
- Integral sensor option for occupancy sensing (PIR) and/or daylight harvesting available for additional energy savings.
- SB option, in addition to occupancy and daylight sensing, supports advanced IoT capabilities such as people estimation analysis, desk level temperature & humidity sensing, noise classification, and BLE beacon.
- Optional integral emergency controller and battery pack provides backup lighting in the case of a power outage. Test switch and indicator light mounted on the chassis.
- Emergency battery has a 3 month pre-installed shelf life, and must be stored and installed in environments of -20°C to 30°C (-4F to 86F) ambient, and 45-85% relative humidity.
- For more information on Interact Office Wired visit: www.interact-lighting.com/office

Note: Signify Interact Office Luminaires are not sold individually and are only compatible with Signify's Interact Office control system & software. The system requires a compatible back-end IT infrastructure for normal operations, please consult your Signify representative for additional information.

Tunable White:

- Tunable White is available in Interact Office Wired PoE luminaires. Other control options for Tunable White with DALI (DT6 or DT8), 0-10V, Lutron T Series or DMX control are available via an Engineered-to-Order (ETO) request.
- Signify tunable white solutions are designed to help maximize the influence of lighting on your daily life.
- Dynamic behaviors via scheduled lighting recipes mimicking daylight patterns or supporting biorhythms.
- Scene setting via lighting pre-sets based on various combinations of lighting color temperature and intensity.

Interact Pro scalable sensor option codes across Genlyte product lines

	Evokit	Day-Brite	Ledalite	Lightolier
ZeeBee + Bluetooth + Sensing	SWZCS	SWZCS	CS	SBA accessory (external)
ZeeBee + Bluetooth	RADIO	RADIO	RA	RA
ZeeBee + Bluetooth + Sensing + Environmental data	IAOSB	IAOSB	SB	SB
ZeeBee + Highbay + Sensing	-	SWZCSH	-	-

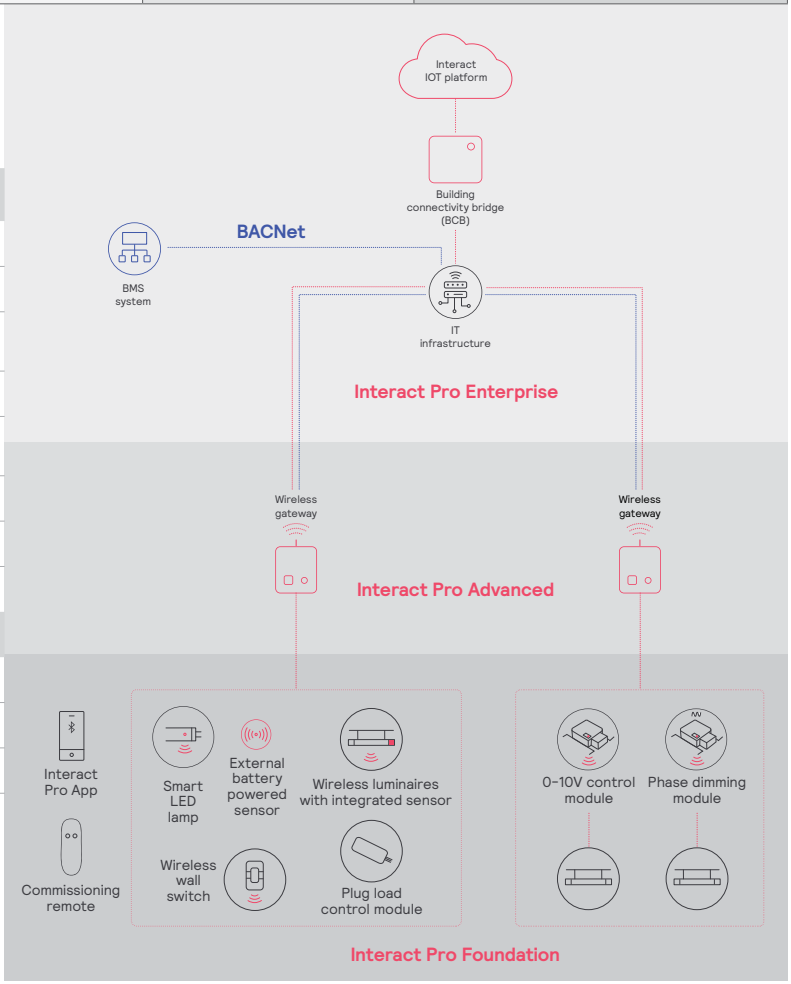
TruGroove surface micro (lens)

	Interact Pro scalable system		
	Foundation	Advanced	Enterprise
Dimming, grouping, and zoning	✓	✓	✓
Bluetooth and ZigBee enabled	✓	✓	✓
Motion sensing and daylight harvesting	✓	✓	✓
Integration with 0–10V and phase dimming fixtures	✓	✓	✓
Code compliance	✓	✓	✓
Granular dimming and dwell time	✓	✓	✓
Energy reporting and monitoring		✓	✓
Scheduling		✓	✓
Demand response		✓	✓
BMS integration (BACnet)			✓
Floor plan visualization			✓
IoT sensors for wellness			✓
IoT Apps for productivity			✓

Currently supported maximum system size

To be able to design the lighting system correctly for the customer, it is important to know the prime characteristics of the system, its possibilities and limitations.

System level	
Total number of gateways	Unlimited
Total number of devices	200 per network
• luminaires with integrated sensors	150
• smart TLEDS	150
Total number of ZGP devices (sensors and switches)	50
• sensors	30
• switches	50
• zones and groups	64
Group level	
Recommended number of lights	40 (recommended 25)
Number of ZGP devices	5
Number of scenes	16



TruGroove surface micro (lens)

Colorimetry

TruGroove micro (TMxx) AccuRender Static White

Nominal CRI &CCT		CRI 90, 2700K	CRI 90, 3000K	CRI 90, 3500K	CRI 90, 4000K	CRI 90, 5000K
CIE 013.3-1995 [1]	CRI R_a	94	93	93	93	93
	R_g	55	57	59	64	68
	G_a	99	99	99	99	99
	C_g	93	93	93	93	94
IES TM-30-18 [2]	R_f	92	91	91	91	90
	R_f,h_1	90	90	90	91	89
	R_g	100	100	99	100	100
	R_{cs}, h_1	-6%	-5%	-6%	-5%	-5%
MDER [3]		0.45	0.51	0.58	0.65	0.81

1. Color Rendering Index (CRI Ra) and Strong Red (R9) are calculated in accordance with CIE 013.3-1995. Color Gamut index (Ga) and red chroma Index (C9) are CIE based properties using the Global Lighting Association's calculation tool.
2. Fidelity Index (Rf), Red Fidelity Index (Rf,h1), Gamut Index (Rg), and Red Local Chroma Shift (Rcs,h1) are calculated in accordance with IES TM-30-18.
3. Melanopic Daylight Efficacy Ratio (MDER) is the measure for "spectral melanopic efficiency" as defined in CIE S 026-2018.

Photometry

The following pages contain photometry for TruGroove suspended micro with lens.

Photometry for TruGroove suspended micro with ~~lens~~ can be found by scanning the QR code or following the link: https://www.signify.com/api/assets/v1/file/Signify/content/c0c6b81235424e1f971bae6e01177174/TruGroove_Surface_Micro_Louver_SpecSheet.pdf

TruGroove surface micro (lens)

Photometry

Direct (TM11) Performance Symmetric Batwing Flush MesoOptic lens

Nominal CRI &CCT			CRI 90, 2700K					CRI 90, 3000K					CRI 90, 3500K					CRI 90, 4000K					CRI 90, 5000K				
Nominal Lumen Package (lm/4ft)		Watts	Flux (lm/4ft) [1]	Efficacy (LPW) [1]	UGR [5]	Photometry Report	IES File	Flux (lm/4ft) [1]	Efficacy (LPW) [1]	UGR [5]	Photometry Report	IES File	Flux (lm/4ft) [1]	Efficacy (LPW) [1]	UGR [5]	Photometry Report	IES File	Flux (lm/4ft) [1]	Efficacy (LPW) [1]	UGR [5]	Photometry Report	IES File	Flux (lm/4ft) [1]	Efficacy (LPW) [1]	UGR [5]	Photometry Report	IES File
Direct	Indirect																										
4000	N/A	43.1	3,759	87.2	25.5	PDF	IES	3,856	89.5	25.6	PDF	IES	3,995	92.7	25.7	PDF	IES	4,038	93.7	25.7	PDF	IES	4,085	94.8	25.8	PDF	IES
3500	N/A	37.3	3,294	88.3	25.0	PDF	IES	3,372	90.4	25.1	PDF	IES	3,498	93.8	25.3	PDF	IES	3,537	94.8	25.3	PDF	IES	3,575	95.8	25.3	PDF	IES
3000	N/A	31.6	2,832	89.6	24.5	PDF	IES	2,894	91.6	24.6	PDF	IES	3,006	95.1	24.7	PDF	IES	3,039	96.2	24.8	PDF	IES	3,070	97.2	24.8	PDF	IES
2500	N/A	26.4	2,358	89.3	23.9	PDF	IES	2,407	91.2	24.0	PDF	IES	2,503	94.8	24.1	PDF	IES	2,530	95.8	24.1	PDF	IES	2,555	96.8	24.2	PDF	IES
2000	N/A	20.7	1,892	91.4	23.1	PDF	IES	1,930	93.2	23.2	PDF	IES	2,008	97.0	23.3	PDF	IES	2,029	98.0	23.4	PDF	IES	2,048	98.9	23.4	PDF	IES
1500	N/A	15.9	1,416	89.1	22.1	PDF	IES	1,445	90.9	22.2	PDF	IES	1,505	94.7	22.3	PDF	IES	1,518	95.5	22.4	PDF	IES	1,533	96.4	22.4	PDF	IES
1000	N/A	11.2	933	83.3	20.7	PDF	IES	952	85.0	20.7	PDF	IES	993	88.7	20.9	PDF	IES	999	89.2	20.9	PDF	IES	1,010	90.2	20.9	PDF	IES

Direct (TM11) Performance Asymmetric Wall Wash Flush MesoOptic lens

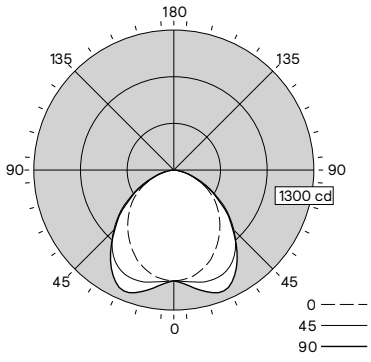
Nominal CRI &CCT			CRI 90, 2700K					CRI 90, 3000K					CRI 90, 3500K					CRI 90, 4000K					CRI 90, 5000K				
Nominal Lumen Package (lm/4ft)		Watts	Flux (lm/4ft) [1]	Efficacy (LPW) [1]	UGR [5]	Photometry Report	IES File	Flux (lm/4ft) [1]	Efficacy (LPW) [1]	UGR [5]	Photometry Report	IES File	Flux (lm/4ft) [1]	Efficacy (LPW) [1]	UGR [5]	Photometry Report	IES File	Flux (lm/4ft) [1]	Efficacy (LPW) [1]	UGR [5]	Photometry Report	IES File	Flux (lm/4ft) [1]	Efficacy (LPW) [1]	UGR [5]	Photometry Report	IES File
Direct	Indirect																										
4000	N/A	43.1	3,641	84.5	24.9	PDF	IES	3,735	86.7	25.0	PDF	IES	3,870	89.8	25.1	PDF	IES	3,911	90.7	25.1	PDF	IES	3,957	91.8	25.2	PDF	IES
3500	N/A	37.3	3,190	85.5	24.4	PDF	IES	3,266	87.6	24.5	PDF	IES	3,388	90.8	24.6	PDF	IES	3,426	91.8	24.7	PDF	IES	3,463	92.8	24.7	PDF	IES
3000	N/A	31.6	2,743	86.8	23.9	PDF	IES	2,803	88.7	24.0	PDF	IES	2,912	92.2	24.1	PDF	IES	2,944	93.2	24.2	PDF	IES	2,974	94.1	24.2	PDF	IES
2500	N/A	26.4	2,284	86.5	23.3	PDF	IES	2,332	88.3	23.3	PDF	IES	2,425	91.9	23.5	PDF	IES	2,451	92.8	23.5	PDF	IES	2,475	93.8	23.6	PDF	IES
2000	N/A	20.7	1,832	88.5	22.5	PDF	IES	1,869	90.3	22.6	PDF	IES	1,945	94.0	22.7	PDF	IES	1,965	94.9	22.7	PDF	IES	1,984	95.8	22.8	PDF	IES
1500	N/A	15.9	1,371	86.2	21.5	PDF	IES	1,399	88.0	21.6	PDF	IES	1,458	91.7	21.7	PDF	IES	1,470	92.5	21.7	PDF	IES	1,485	93.4	21.8	PDF	IES
1000	N/A	11.2	904	80.7	20.0	PDF	IES	922	82.3	20.1	PDF	IES	962	85.9	20.3	PDF	IES	968	86.4	20.3	PDF	IES	979	87.4	20.3	PDF	IES

Direct (TM11) Definition Symmetric Flush Silk lens

Nominal CRI &CCT			CRI 90, 2700K					CRI 90, 3000K					CRI 90, 3500K					CRI 90, 4000K					CRI 90, 5000K				
Nominal Lumen Package (lm/4ft)		Watts	Flux (lm/4ft) [1]	Efficacy (LPW) [1]	UGR [5]	Photometry Report	IES File	Flux (lm/4ft) [1]	Efficacy (LPW) [1]	UGR [5]	Photometry Report	IES File	Flux (lm/4ft) [1]	Efficacy (LPW) [1]	UGR [5]	Photometry Report	IES File	Flux (lm/4ft) [1]	Efficacy (LPW) [1]	UGR [5]	Photometry Report	IES File	Flux (lm/4ft) [1]	Efficacy (LPW) [1]	UGR [5]	Photometry Report	IES File
Direct	Indirect																										
4000	N/A	43.1	3,955	91.8	27.2	PDF	IES	4,058	94.2	27.3	PDF	IES	4,204	97.5	27.4	PDF	IES	4,249	98.6	27.4	PDF	IES	4,299	99.7	27.5	PDF	IES
3500	N/A	37.3	3,466	92.9	26.7	PDF	IES	3,548	95.1	26.8	PDF	IES	3,681	98.7	26.9	PDF	IES	3,721	99.8	27.0	PDF	IES	3,762	100.9	27.0	PDF	IES
3000	N/A	31.6	2,980	94.3	26.2	PDF	IES	3,045	96.4	26.3	PDF	IES	3,163	100.1	26.4	PDF	IES	3,198	101.2	26.4	PDF	IES	3,231	102.2	26.5	PDF	IES
2500	N/A	26.4	2,482	94.0	25.6	PDF	IES	2,533	95.9	25.6	PDF	IES	2,634	99.8	25.8	PDF	IES	2,662	100.8	25.8	PDF	IES	2,688	101.8	25.8	PDF	IES
2000	N/A	20.7	1,990	96.1	24.8	PDF	IES	2,031	98.1	24.9	PDF	IES	2,113	102.1	25.0	PDF	IES	2,135	103.1	25.0	PDF	IES	2,155	104.1	25.1	PDF	IES
1500	N/A	15.9	1,490	93.7	23.8	PDF	IES	1,520	95.6	23.9	PDF	IES	1,583	99.6	24.0	PDF	IES	1,597	100.4	24.0	PDF	IES	1,613	101.4	24.1	PDF	IES
1000	N/A	11.2	982	87.7	22.3	PDF	IES	1,002	89.5	22.4	PDF	IES	1,045	93.3	22.5	PDF	IES	1,052	93.9	22.6	PDF	IES	1,063	94.9	22.6	PDF	IES

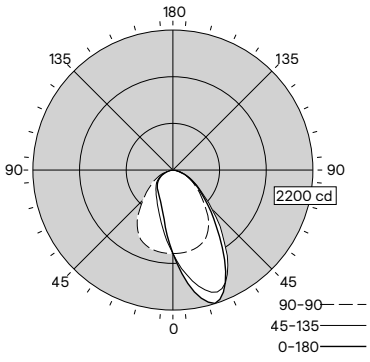
1. 4ft Luminaire photometry has been conducted in accordance with IES LM-79-08. IES files can be downloaded by clicking the links in the table above, or online at ledalite.com. Luminaires with finishes other than standard white may result in a drop in flux and efficacy.
2. Unified Glare Ratio (UGR) is calculated in accordance with CIE 117-1995. Reference conditions of 4Hx8Hx1H and reflectances of 70/50/20% have been applied using the procedure described in CIE 190-2010.

Performance Symmetric Batwing
Flush MesoOptic lens
Spacing Criteria: 1.17/1.48



100% Down / 0% Up

Performance Asymmetric Wall Wash
Flush MesoOptic lens
Spacing Criteria: 1.44/1.23



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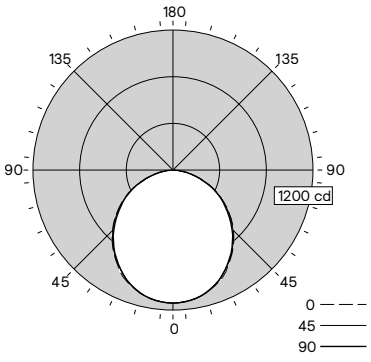
Definition Symmetric
Flush Silk lens
Spacing Criteria: 1.23/1.22



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Candela plots shown are for 3000lm/4ft, CRI 90, 3500K configurations.

TruGroove surface micro (lens)

Footnotes from page 1 ordering guide

1. Nominal values within a range. Not all lumen packages are available with all configurations. Consult photometry data for CRI, color temp, lumens & distribution of chosen configuration.
2. Not all wiring types are available with all configurations. Consult Ledalite for a complete list of available options.
3. 347V not available with Battery Pack, GTD, DALI, Lutron EcoSystem or Sensor Ready drivers or Interact Pro options. Battery packs available in modules > 4ft (lumen package limits may apply, check with Ledalite)
4. Interact Pro & Interact Office Wired (PoE) options require separate controls hardware by Signify.
5. Tunable White is available in Interact Office Wired PoE luminaires. Please enquire about options for Tunable White with DALI (DT6 or DT8), 0–10V, Lutron T Series or DMX control (extended lead times may apply).
6. Auxiliary Wiring not available with Interact Pro or Interact Office Wired (PoE) luminaires. Aux sections are wired to one fixture end only.
7. Flat corners are 90°. No asymmetric lens optics in corners. Please inquire about options for custom angles and intersections (extended lead times may apply).
8. Tunable White not available with Louver Cell optics.
9. Sensors are only available in white, but can be combined with any luminaire finish.
10. Luminaires are pre-wired to both ends with quick wire connectors at one end for standard circuit & battery pack trigger wire (if applicable). Each circuit has its own neutral conductor. All circuits are clearly labelled at each end.
11. Thru Wire options can provide either one additional set of (4) power and dimming wires (Black/White/Purple/Grey or Pink) or one additional battery pack trigger wire (Orange) through a selected module, please consult factory for other Thru Wire options.
12. This option is available on request. Other options not shown here may also be possible via a custom request. Extended lead times and minimum order quantities may apply, please consult factory.
13. UL924 listed sensor bypass relay is factory installed between driver & sensor. Must be ordered in same module as integral sensing option. Must be installed in conjunction with a UL1008 device.
14. Must order IRT9015 Interact commissioning remote with each system order.
15. Combination modules with Louver Cells and a Flush lens may be specified for modules ≥ 4ft by using the "Louver Cell Length" and "Louver Cell Position" options.

Note: Due to continuing product improvements, Ledalite reserves the right to change the specifications without notice.

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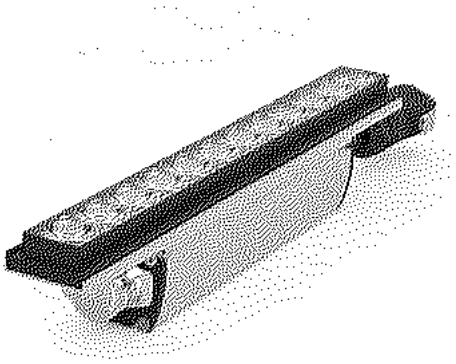
Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALJ-054-CL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Cove Light
Item Type	Cove Graze Light
Description	CoviO Graze wall washing and grazing lighting fixture with integral driver
Manufacturer	Cooper Lighting/iO
Model	GRZ-05L-930-30x60-ID-UNV-S-ADJ-STD-7F/1
Dimensions	7'L x 1.66"W x 2.43"H
Finish	Standard Silver
Material Composition	Aluminum Housing
CSI #	265000 - Lighting Fixtures
Omniclass #	22-265000 Lighting Fixtures
Dimming Type	0-10V
Mount	Adjustable Mount
On Dimming System	Yes
Fixture Input (Max. Watts)	TBD
Lamp Type	LED-I
Lamp Kelvin	3000K
Voltage	120-277V
Delivered Lumens (LED) or Mean Lumens (Non-LED)	TBD
Finish	White
Lamp CRI	90+
Notes	Fixture Life: 28,000 hrs Efficacy: TBD



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208
Email: kathleen.kenny@cooperlighting.com

ALTERNATE MANUFACTURER 2

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

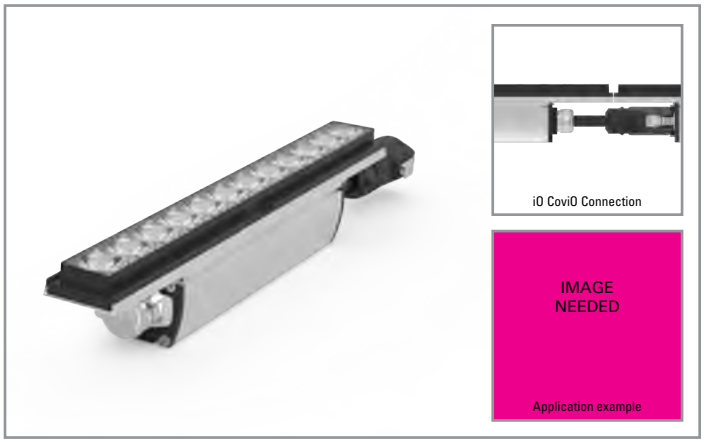
ALTERNATE MANUFACTURER 3

AREAS

Welcome Desk

ALTERNATE MANUFACTURER 4	

Project		**Catalog #**	GRZ-05L-930-30x60-ID-UNV-S-ADJ-STD-7F/1	**Type**	ALJ-054-CL
Prepared by	Kathleen Kenny National Accounts	**Notes**	Ph: 678-447-5208 kathleen.kenny@cooperlighting.com	**Date**	



iO LED

CoviO Graze

LED
Interior / Exterior
Architectural Cove Integral Driver

Typical Applications
• Hotels • Restaurants • Commercial Office Spaces • Schools • Hospitals
• Retail • Residential

Interactive Menu

- Order Information page 2
- Photometric Data page 3
- Energy and Performance Data page 3
- Mounting and Installation page 5
- Installation Instructions
- Product Warranty

Product Certification

CERTIFIED

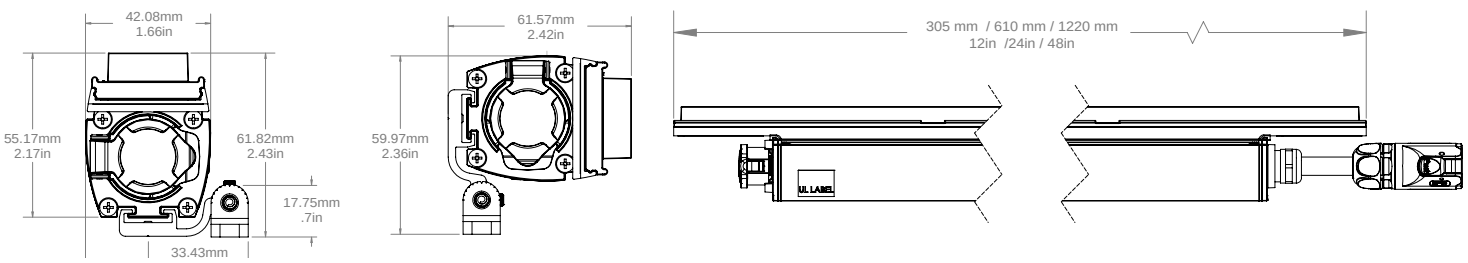
Product Features

Connected Systems · WaveLinx · wet location · powered by fifthlight

Top Product Features

- Wall washing and grazing lighting fixture with integral driver
- 9x optical distribution options
- Dimming to 1% (0-10V, 100% - 1%)
- 90+ CRI, 4 CCT options
- 1.5 step MacAdam ellipse binning for maximum color consistency
- Up to 1500 lm/ft (3 light level options at 500, 1000 and 1500 lm/ft)
- Up to 300 ft run from a single power drop

Dimensions



additional product diagrams

iO LED

CoviO GRAZE

Order Information

SAMPLE ORDER NUMBER: **GRZ-10L-935-10x10-OD-277-S-SM-STD-50F**

Series	Lumen Package	LED CRI & CCT Standard CRI	Optical Distribution	Environment	Voltage
GRZ=CoviO Grazer LED	**05L**=500 lumens/ft (5 W/ft) **10L**=1000 lumens/ft (10 W/ft) **15L**=1500 lumens/ft (15 W/ft)	**927**=90 CRI, 2700K CCT **930**=90 CRI, 3000K CCT **935**=90 CRI, 3500K CCT **940**=90 CRI, 4000K CCT	**10x10=**10 deg x 10 deg **10x10FR=**10 deg x 10 deg, half frosted **10x30=**10 deg x 30 deg **10x60=**10 deg x 60 deg **17x30=**17 deg x 30 deg **17x90=**17 deg x 90 deg **30x60=**30 deg x 60 deg **50x60=**50 deg x 60 deg **ASYMx40=**Asymmetric x 40 deg	**ID**=Indoor **OD**=Outdoor	**UNV**=120-277V **277**=277V
Notes Architectural LED wall grazing and washing luminaire from iO LED.	**Notes** Nominal source lumens for 12" section. Delivered lumens by optical distribution coming soon.	**Notes** 90 CRI standard. 1.5-step MacAdam Ellipse standard.	**Notes** See page 3 for more details on optics	**Notes**	**Notes** For run specifications, 120V will be the default. For 277 V systems, selecting 277 will allow for longer run specifications. See pg 4 for details.

Housing Color	Mounting	Control Options	Length	Accessories
S=Standard Silver	**SM**=Surface Mount **ADJ**=Adjustable Mount	**STD**=0-10V (1%-100%) **ELV**=ELV **TR**=Triac **5LT**=DALI **WL**=WaveLinx wireless	___**F**=specify nominal run length in feet ___**F/1**=specify nominal run of 1ft fixtures ___**F/2**=specify nominal run of 2ft fixtures **1F**=12" Individual fixture **2F**=24" Individual fixture **4F**=48" Individual fixture	see pg X for accessories. Accessories must be ordered separately.
Notes Contact Cooper Lighting Soultions for custom color availability. Minimum order qty will apply.	**Notes** One mounting bracket/fixture is required. A 15 deg and 30 deg mounting angle plate is included with each bracket.	**Notes** "STD" control specifications include beginning of run power feed and junction box for line voltage connection. One is included for each individual fixture or run specification. All other control specifications include beginning of run control module. See page 6 for details and dimensions.	**Notes** Run specifications will include 1 power feed/run. Individual fixtures will include 1 power feed/fixture. Run specifications will maximize 2F fixtures unless /1 is specified. Contact customer service for custom run configurations.	**Notes**

Note: GRZ meets BAA requirements

Product Specifications

Construction

- Housing is powder coated, extruded aluminum
- All housing hardware is stainless steel
- Clear, UV stabilized polycarbonate injection molded lens with integral silicone gasket
- Proprietary IP66 exterior-rated, quick connect plugs
- Self-closing IP66 end cap to simplify installation and eliminate end of run shorting risks.
- Available in 1F (12"), 2F (24") or 4F (48") length.
- Weight: 1F=XX, 2F=XX or 4F=XX

Electrical

- Integral high performance constant current driver
- Standard 0-10V dimming (1% - 100%)
- Each fixture is configured for a line voltage feed while providing through wiring and quick connects for continuous mounting applications
- See pg 4 for Run Length Limits
- See pg 4 for Dimmer compatability chart

LED Optics

- Fixture equipped with proprietary 90+ CRI LED module available in 2700, 3000, 3500 or 4000K
- All LED CCTs within 1.5-step MacAdam ellipse
- Discrete high-powered LED array designed for best in class color over angle to provide clean illumination without undesirable color bands.
- 9 bi-directional optical control (perpendicular x parallel) options give designers maximum capability to deliver the perfect wash or graze for any installation. See pg 3 for more optical distribution details.
- 10x10 FR option includes integral frost on 1/3 of optic face to improve the appearance of tight installations where optimal spacing is not available with minimal impact to optical distribution, lumen output and CBCP.
- Luminaires tested per IESNA LM-79
- Color over Angle to be updated
- LM-80 data utilized in TM-21 lumen maintenance projections:
  L70 > 72,000 hrs
  L90 > 28,000 hrs

Mounting

- Surface mount bracket is stainless steel and is designed to align long runs by spanning two fixtures (includes optional angled mounting base plates to adjust output angle to 15° and 30°) and can be mounted in any direction (surface, ceiling or vertically).
- Adjustable mounting bracket is extruced, anodized aluminum. The adjustable bracket allows for +/- 60 deg aiming and can be mounted in any direction (surface, ceiling or vertically). Adjustable mounting bracket include a set screw to secure aiming. Additional brackets can be added for increased security.
- Power harness is required for connection to line voltage
- STD option includes beginning of run power harness + junction box for line voltage connection
- Control options include beginning of run power harness + dimming converter + junction box for line voltage connection
- Run specifications will include 1 power feed/run.
- Individual fixtures will include 1 power feed/fixture.
- Run specifications will maximize 4F fixtures unless /1 or /2 is specified.
- Contact customer service for custom run configurations.
- See page 4 for run lengths limits by output and voltage.

Finish

- Fixture housing is powder coated aluminum
- Standard color is silver with black end caps and wiring harness
- Contact Cooper Lighting Solutions for custom color availability (minimum order quantity will apply)

Compliance

- Luminaires are cULus listed for -40° to 50° C ambient environments
- Wet Location Listed
- IP66 rated
- 500 hour salt spray tested
- RoHS compliant
- Tested according to IESNA LM-79
- Meets Buy American standards

Environment

- Suited for indoor or outdoor installations
- Rated for operating temerature range of -40C to 50C

Control

- 0-10V dimming to 1% is standard
- Additional dimming protocols including ELV, TRIAC and DALI supported through an added control module at the beginning of the run
- Wireless control is supported through the Cooper Lighting Solutions WaveLinx system
- See pg 4 for run length limits

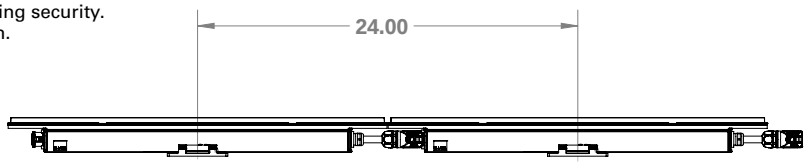
Warranty

- Five year warranty standard.

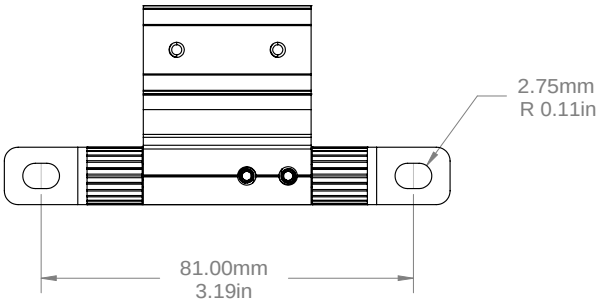
Mounting And Installation Notes

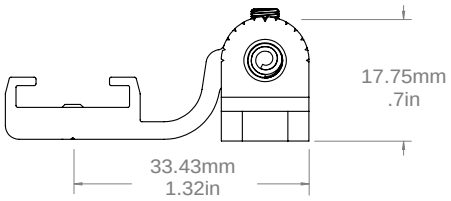
All CoviO mounts can be used in any orientation.

- ADJ mount requirements are
  - 1x ADJ mount for 1F and 2F fixtures
  - 2x ADJ mount for 4F fixtures.
- 2mm allen wrench must be used to secure aiming angle.
- additional mounts can be ordered for increased mounting and aiming security.
- SM brackets are designed to self-align CoviO fixtures in a linear run. See installation instructions for additional details.
- bracket stand-off can be removed for tight installations.
- Bracket can be cut in half for runs, end of run or curved runs.
- Jumper accessory is required for any bend radius > 20 deg (see pg 13 for details on jumper accessories)
- see pg 14 for additional run radius details

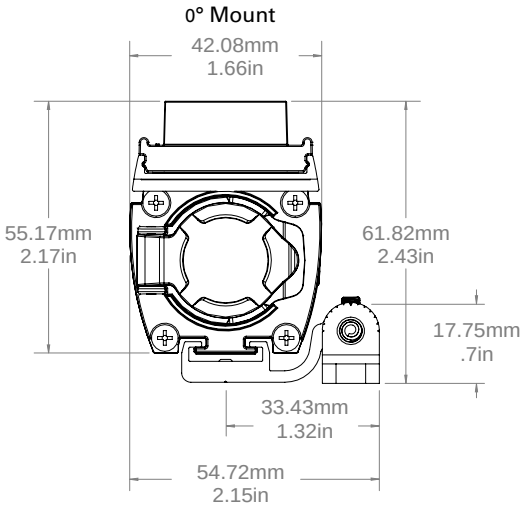


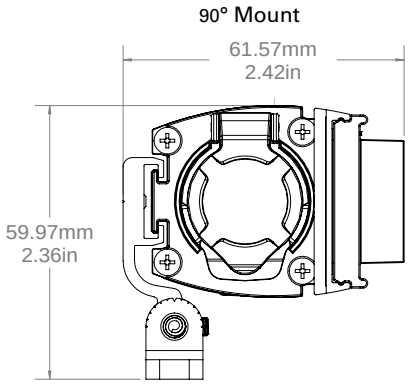
ADJ Mounting Bracket Dimensions

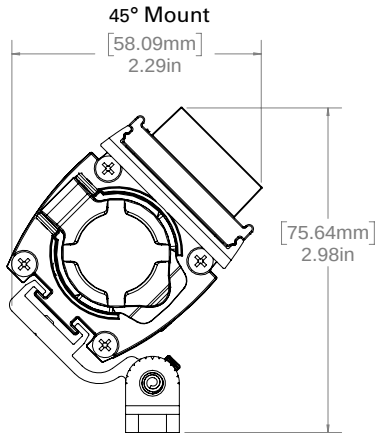




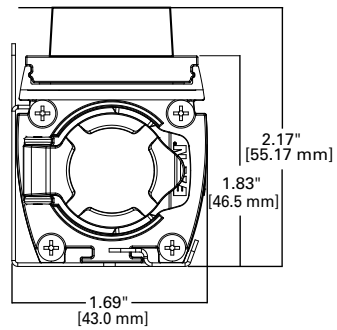
Graze with ADJ Mounting Bracket Dimensions



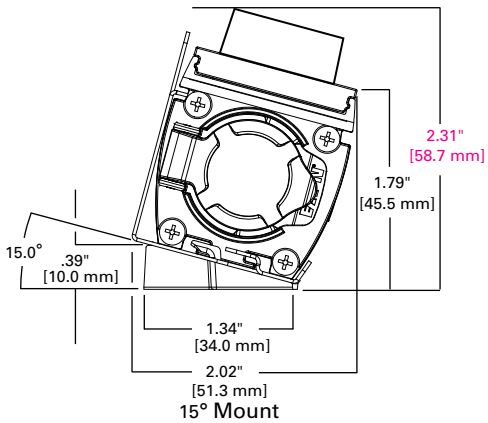




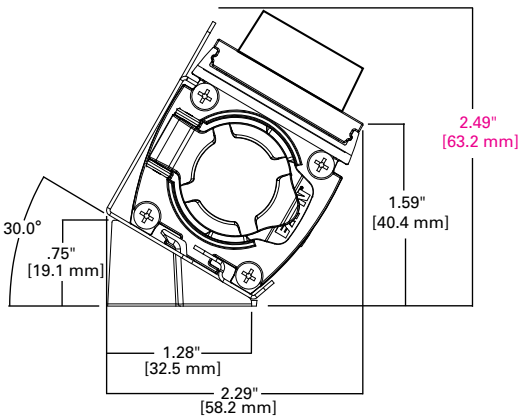
SM Mounting Plate Angle Dimensions



0° Mount

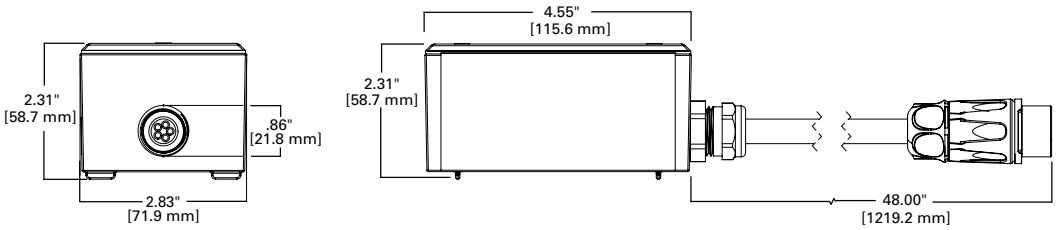


15° Mount

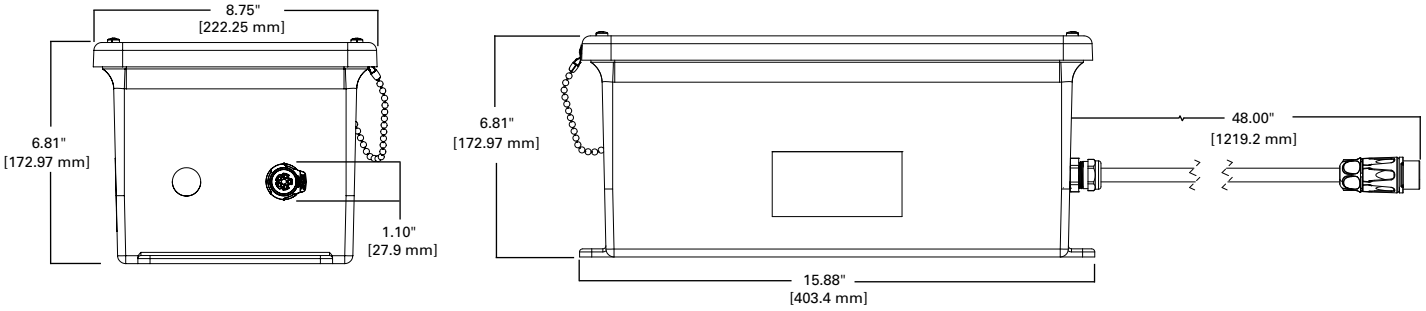


30° Mount

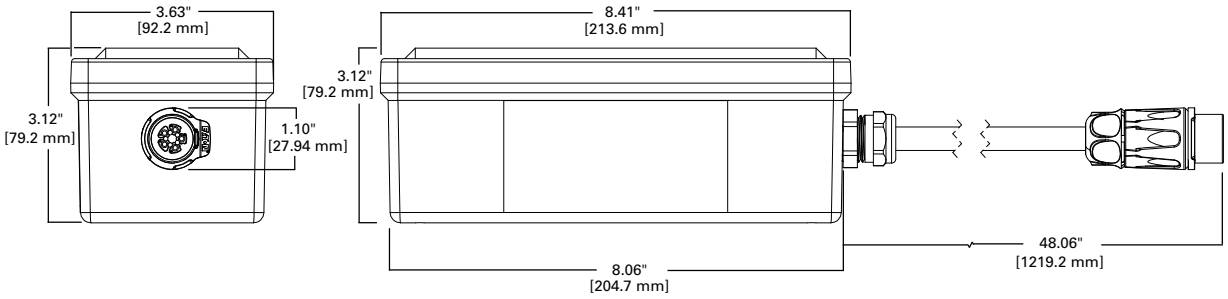
STD - Beginning of Run Power Harness



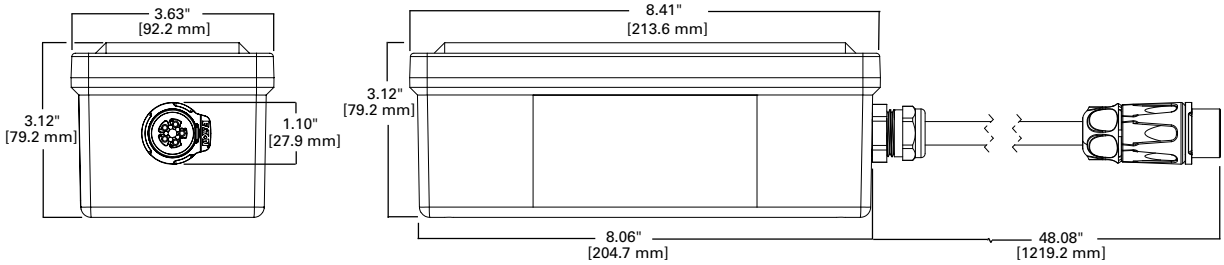
ELV / TR Control Module



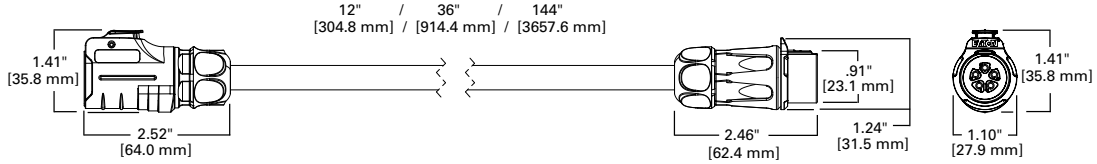
5LT - DALI Control Module



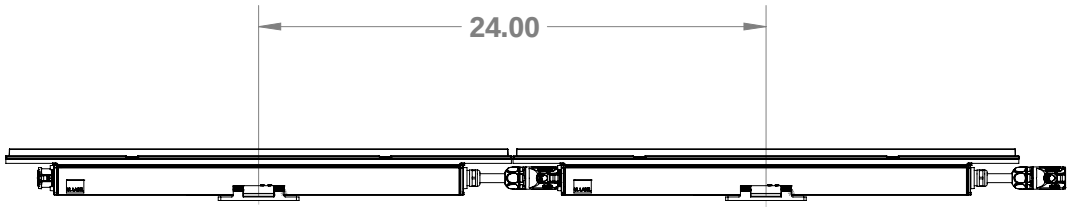
WL - Wavelinx Wireless Control Module



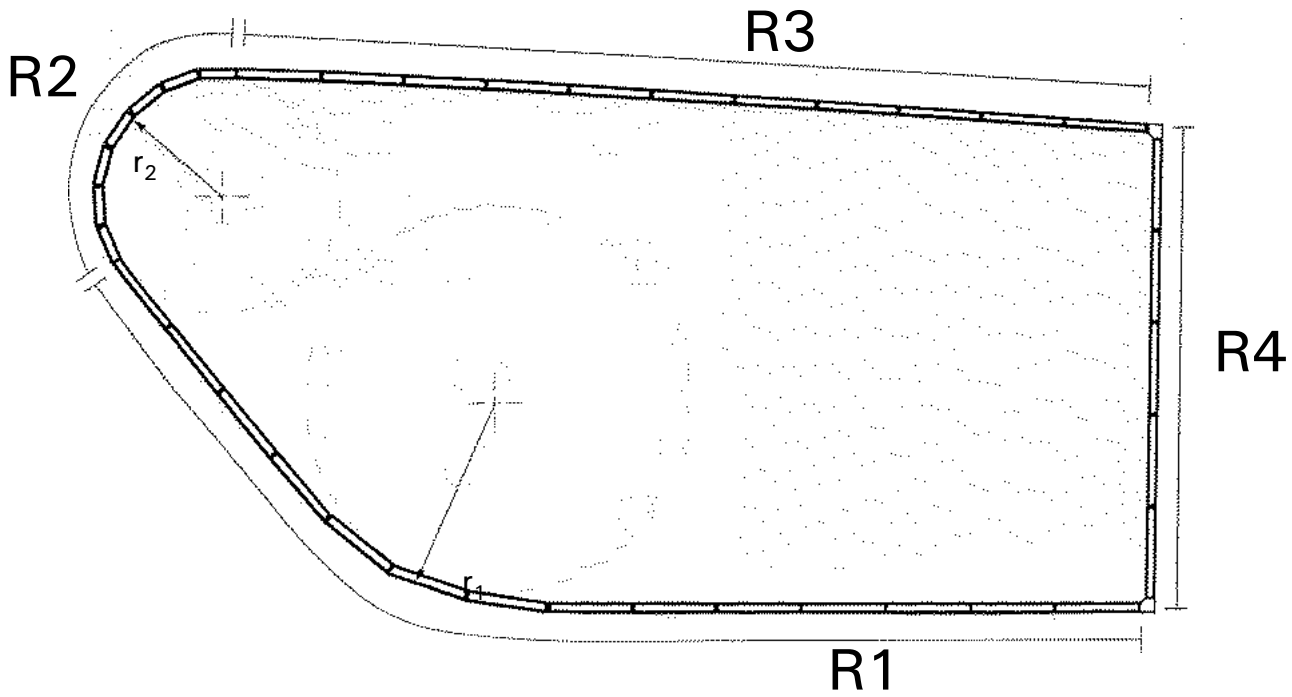
Jumper Harness Accessory



Typical Dimensions for Connected Fixtures



Run Specification Guidelines



Min allowable radius of cove for 1F Fixtures	r_2 =	35"
Min allowable radius of cove for 2F Fixtures	r_1 =	70"

Linear Run Specifications

Linear runs can be broken down into segments for easier specifications. Mounting brackets and power feeds are included in any run specifications. Jumper accessory is required of bend radius > 20°. For example, the architectural drawing above would be specified as 3 separate runs:

- R1 would be speficied with Length = 45F = 45 ft linear run (22x 2 ft fixtures + 1x 1 ft fixture + power feed)
- R2 would be speficied with Length = 7F/1 = 7 ft linear run of 1 ft fixtures (7 x 1 ft fixture + power feed)
- R3 would be speficied with Length = 33F = 33 ft linear run (16x 2 ft fixtures + 1x 1 ft fixture + power feed)
- R4 jumpers are required for angles > 20°.

Contact customer service for custom run configurations

Please Scan for iO CoviO installation instructions:

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Specifications and dimensions subject to change without notice.

Towneplace Suites by Marriott
ARCHITECTURAL LIGHTING
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

ALJ-054-SI

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Cove Light
Item Type	Cove Light
Description	Linear 7'
Manufacturer	Signify/Ledalite
Model	TC08L83050WN077DE
Dimensions	5"W x48"L x 1.78"H
Finish	Silver
CSI #	265000 - Lighting Fixtures
Omniclass #	22-265000 Lighting Fixtures
Dimming Type	0-10V
Trim	Silver
Reflector	Clear
Mount	Surface Mount
On Dimming System	Yes
Lens/Shade	120 degrees
Fixture Input (Max. Watts)	TBD
Lamp Type	LED
Lamp Kelvin	3000K
Voltage	120V
Delivered Lumens (LED) or Mean Lumens (Non-LED)	1250/lf (5000lm 4')
Finish	Silver
Lamp CRI	90+
Warranty	Five year warranty
Notes	Efficacy: 131 Lamp Life/Fixture Life: 80,000 Hrs

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: SIGNIFY NORTH AMERICA CORPORATION
Contact Name: Ryan Smillie
Phone: 408-813-3032
Email: ryan.smillie@signify.com

ALTERNATE MANUFACTURER 2

Vendor Name: Cooper Lighting Systems
Contact Name: Kathleen Kenny
Phone: (678) 447-5208

AREAS

Welcome Desk

Email: kathleen.kenny@cooperlighting.com	
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

LEDALITE
by signify

Linear

TruGroove

cove

ALJ-054-SI

TruGroove cove offers a highly controlled asymmetric light throw, evenly lighting the space and ceiling, not the wall and pocket. This creates a smoothly illuminated low-glare environment with a "quiet" ceiling, free of striations. By adjusting installation angles you can determine your distribution, and multiple lumen-package choices help you direct the right amount of light within your space.

Project:

Location:

Cat.No:

Type:

Qty:

Notes:

Ordering guide

Example: TC08L83540WN067DE

Family	Source	CRI/CCT[1]	Lumens[1]	Optics & Housing	Module Size	Wiring[2]	Voltage	Driver
TC08	L	830	50	WN	07	7	D	E
TC08 TruGroove cove	**L** LED	**850** 80CRI/5000K **840** 80CRI/4000K **835** 80CRI/3500K **830** 80CRI/3000K **827** 80CRI/2700K **935** 90CRI/3500K[3]	**60** 6000 lm/4ft **50** 5000 lm/4ft **40** 4000 lm/4ft **30** 3000 lm/4ft **25** 2500 lm/4ft **20** 2000 lm/4ft **15** 1500 lm/4ft **10** 1000 lm/4ft	**WN** Focus Optics (Miro Silver) **LN** Fill Optics (White Reflector)	**02** 2ft **C2** 2.5ft **03** 3ft **C3** 3.5ft **04** 4ft **05** 5ft **06** 6ft **08** 8ft **xx** Continuous Run (6in Increments)	**7** 1cct Dimming **M** 1cct Dimming + Aux Wiring **N** 1cct Dimming + Battery Pack	**D** UNV 120-277V **3** 347V **D** UNV 120-277V	**E** Advance 0-10V (1% dim) **H** Lutron EcoSystem LDE1 **D** Advance DALI (5% Dim)[4]

Footnotes:

1. Nominal values within a range. Consult photometry data for CRI, color temp, lumens & distribution of chosen configuration.
2. Not all wiring types are available with all configurations. Battery Packs are available in the 4, 5, 6, and 8ft module sizes. Consult Ledalite for a complete list of available options.
3. CRI90 / 3500K option not available with the 6000lm/4ft lumen package.
4. The Advance DALI Driver is not available with the 1000lm/4ft and 1500lm/4ft lumen packages, and the 2ft and 2.5ft module sizes.

TruGroove cove

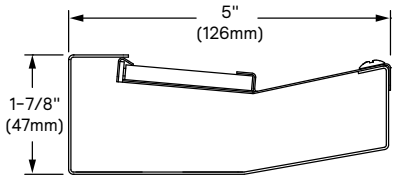
Options and details

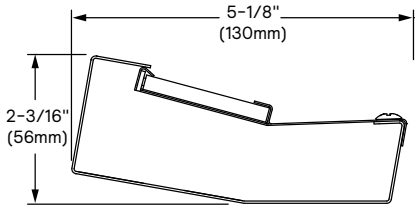
Performance summary

	LED Output (lm/ft)															
	250lm		375lm		500lm		625lm		750lm		1000lm		1250lm		1500lm	
CRI*	83	93	83	93	83	93	83	93	83	93	83	93	83	93	83	N/A
Energy (W/ft)	2.2	2.5	2.9	3.5	3.7	4.6	4.6	5.8	5.7	7.0	7.6	9.7	9.8	12.6	12.2	N/A
Efficacy (lm/W)	120	101	132	108	137	112	140	108	136	108	135	104	131	100	127	N/A

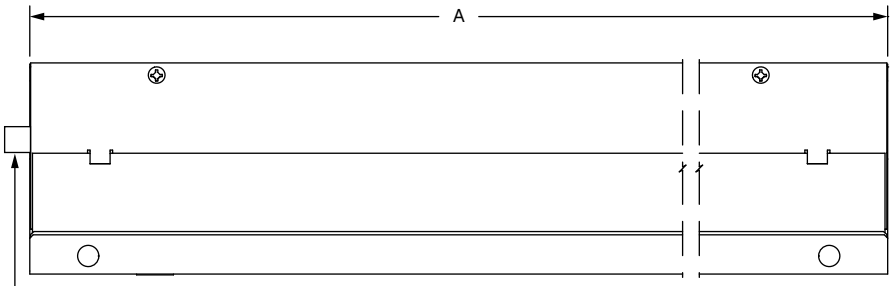
*80CRI values based on 4000K CCT; 90CRI values based on 3500K CCT, both with Focus Optics (WN)

Cross section





Lengths and dimensions

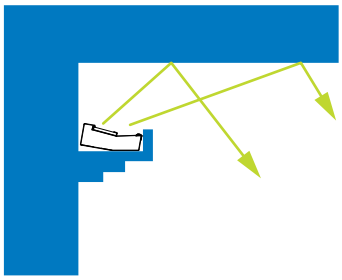


Joint aligner tab extends module size by 7/8" and is inserted in an adjoining module to ensure alignment of TruGroove Cove in a linear run

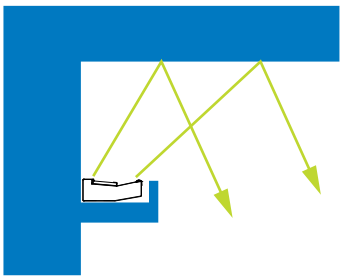
Module size	Actual length (A)
2 ft	24-3/8"
2.5 ft	30-1/4"
3 ft	36-1/8"
3.5 ft	42-1/16"
4 ft	48"
5 ft	60-1/2"
6 ft	72-5/16"
8 ft	96"

Mounting options

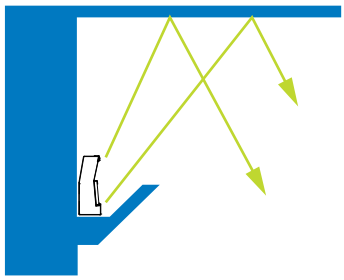
TruGroove Cove has the ability to be mounted in both horizontal and vertical planes, with or without an additional 10° tilt. No fine tuning of the optics required.



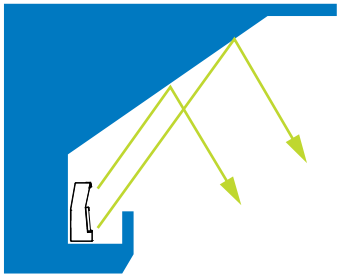
Flat ceiling: small drop distance



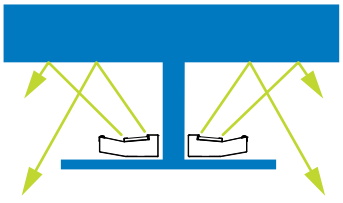
Flat ceiling: medium drop distance



Flat ceiling: large drop distance



Sloped or vaulted ceiling

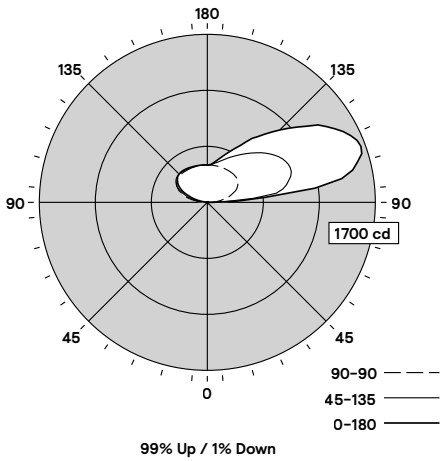


Floating ceiling

TruGroove cove

Focus Optics with Miro Silver (WN)

Lumen Package	Nominal CRI & CCT	Flux (lm)	Watts (W)	Efficacy (lm/W)	CRI	R9	RP-1 VDT	Photometry Report	IES File
6000 lm/4ft	80CRI, 5000K	6220	48.7	127.7	83	15	Critcal spaces	PDF	IES
	80CRI, 4000K	6159	48.7	126.5	83	13	Critcal spaces	PDF	IES
	80CRI, 3500K	6039	48.7	124.0	82	9	Critcal spaces	PDF	IES
	80CRI, 3000K	5876	48.7	120.7	83	9	Critcal spaces	PDF	IES
	80CRI, 2700K	5556	48.7	114.1	82	7	Critcal spaces	PDF	IES
	90CRI, 3500K	Unavailable configuration							
5000 lm/4ft	80CRI, 5000K	5167	39.1	132.1	83	15	Critcal spaces	PDF	IES
	80CRI, 4000K	5117	39.1	130.9	83	13	Critcal spaces	PDF	IES
	80CRI, 3500K	5017	39.1	128.3	82	9	Critcal spaces	PDF	IES
	80CRI, 3000K	4881	39.1	124.8	83	9	Critcal spaces	PDF	IES
	80CRI, 2700K	4615	39.1	118.0	82	7	Critcal spaces	PDF	IES
	90CRI, 3500K	5015	50.3	99.7	93	66	Critcal spaces	PDF	IES
4000 lm/4ft	80CRI, 5000K	4143	30.5	135.8	83	15	Critcal spaces	PDF	IES
	80CRI, 4000K	4103	30.5	134.5	83	13	Critcal spaces	PDF	IES
	80CRI, 3500K	4022	30.5	131.9	82	9	Critcal spaces	PDF	IES
	80CRI, 3000K	3914	30.5	128.3	83	9	Critcal spaces	PDF	IES
	80CRI, 2700K	3700	30.5	121.3	82	7	Critcal spaces	PDF	IES
	90CRI, 3500K	4021	38.7	103.9	93	66	Critcal spaces	PDF	IES
3000 lm/4ft	80CRI, 5000K	3127	22.8	137.1	83	15	Critcal spaces	PDF	IES
	80CRI, 4000K	3097	22.8	135.8	83	13	Critcal spaces	PDF	IES
	80CRI, 3500K	3036	22.8	133.2	82	9	Critcal spaces	PDF	IES
	80CRI, 3000K	2954	22.8	129.6	83	9	Critcal spaces	PDF	IES
	80CRI, 2700K	2793	22.8	122.5	82	7	Critcal spaces	PDF	IES
	90CRI, 3500K	3000	27.9	107.5	93	66	Critcal spaces	PDF	IES
2500 lm/4ft	80CRI, 5000K	2575	18.2	141.5	83	15	Critcal spaces	PDF	IES
	80CRI, 4000K	2550	18.2	140.1	83	13	Critcal spaces	PDF	IES
	80CRI, 3500K	2500	18.2	137.4	82	9	Critcal spaces	PDF	IES
	80CRI, 3000K	2433	18.2	133.7	83	9	Critcal spaces	PDF	IES
	80CRI, 2700K	2300	18.2	126.4	82	7	Critcal spaces	PDF	IES
	90CRI, 3500K	2504	23.1	108.4	93	66	Critcal spaces	PDF	IES
2000 lm/4ft	80CRI, 5000K	2058	14.9	138.1	83	15	Critcal spaces	PDF	IES
	80CRI, 4000K	2038	14.9	136.8	83	13	Critcal spaces	PDF	IES
	80CRI, 3500K	1998	14.9	134.1	82	9	Critcal spaces	PDF	IES
	80CRI, 3000K	1944	14.9	130.5	83	9	Critcal spaces	PDF	IES
	80CRI, 2700K	1838	14.9	123.4	82	7	Critcal spaces	PDF	IES
	90CRI, 3500K	2037	18.2	111.9	93	66	Critcal spaces	PDF	IES
1500 lm/4ft	80CRI, 5000K	1543	11.6	133.0	83	15	Critcal spaces	PDF	IES
	80CRI, 4000K	1528	11.6	131.7	83	13	Critcal spaces	PDF	IES
	80CRI, 3500K	1498	11.6	129.1	82	9	Critcal spaces	PDF	IES
	80CRI, 3000K	1457	11.6	125.6	83	9	Critcal spaces	PDF	IES
	80CRI, 2700K	1378	11.6	118.8	82	7	Critcal spaces	PDF	IES
	90CRI, 3500K	1507	13.9	108.4	93	66	Critcal spaces	PDF	IES
1000 lm/4ft	80CRI, 5000K	1056	8.7	121.4	83	15	Critcal spaces	PDF	IES
	80CRI, 4000K	1046	8.7	120.2	83	13	Critcal spaces	PDF	IES
	80CRI, 3500K	1025	8.7	117.8	82	9	Critcal spaces	PDF	IES
	80CRI, 3000K	998	8.7	114.7	83	9	Critcal spaces	PDF	IES
	80CRI, 2700K	943	8.7	108.4	82	7	Critcal spaces	PDF	IES
	90CRI, 3500K	1013	10.0	101.3	93	66	Critcal spaces	PDF	IES



99% Up / 1% Down

*Photometric data shown is for 3000 lm/4ft, 4000K, 80 CRI configuration with Focus Optics

TruGroove cove

Fill Optics with white reflectors (LN)

Lumen Package	Nominal CRI & CCT	Flux (lm)	Watts (W)	Efficacy (lm/W)	CRI	R9	RP-1 VDT	Photometry Report	IES File
6000 lm/4ft	80CRI, 5000K	5909	48.7	121.3	83	15	Critcal spaces	PDF	IES
	80CRI, 4000K	5851	48.7	120.1	83	13	Critcal spaces	PDF	IES
	80CRI, 3500K	5737	48.7	117.8	82	9	Critcal spaces	PDF	IES
	80CRI, 3000K	5582	48.7	114.6	83	9	Critcal spaces	PDF	IES
	80CRI, 2700K	5278	48.7	108.4	82	7	Critcal spaces	PDF	IES
	90CRI, 3500K	Unavailable configuration							
5000 lm/4ft	80CRI, 5000K	4909	39.1	125.5	83	15	Critcal spaces	PDF	IES
	80CRI, 4000K	4861	39.1	124.3	83	13	Critcal spaces	PDF	IES
	80CRI, 3500K	4766	39.1	121.9	82	9	Critcal spaces	PDF	IES
	80CRI, 3000K	4637	39.1	118.6	83	9	Critcal spaces	PDF	IES
	80CRI, 2700K	4385	39.1	112.1	82	7	Critcal spaces	PDF	IES
	90CRI, 3500K	4764	50.3	94.7	93	66	Critcal spaces	PDF	IES
4000 lm/4ft	80CRI, 5000K	3936	30.5	129.0	83	15	Critcal spaces	PDF	IES
	80CRI, 4000K	3897	30.5	127.8	83	13	Critcal spaces	PDF	IES
	80CRI, 3500K	3821	30.5	125.3	82	9	Critcal spaces	PDF	IES
	80CRI, 3000K	3718	30.5	121.9	83	9	Critcal spaces	PDF	IES
	80CRI, 2700K	3515	30.5	115.2	82	7	Critcal spaces	PDF	IES
	90CRI, 3500K	3820	38.7	98.7	93	66	Critcal spaces	PDF	IES
3000 lm/4ft	80CRI, 5000K	2971	22.8	130.3	83	15	Critcal spaces	PDF	IES
	80CRI, 4000K	2942	22.8	129.0	83	13	Critcal spaces	PDF	IES
	80CRI, 3500K	2884	22.8	126.5	82	9	Critcal spaces	PDF	IES
	80CRI, 3000K	2807	22.8	123.1	83	9	Critcal spaces	PDF	IES
	80CRI, 2700K	2654	22.8	116.4	82	7	Critcal spaces	PDF	IES
	90CRI, 3500K	2850	27.9	102.2	93	66	Critcal spaces	PDF	IES
2500 lm/4ft	80CRI, 5000K	2446	18.2	134.4	83	15	Critcal spaces	PDF	IES
	80CRI, 4000K	2423	18.2	133.1	83	13	Critcal spaces	PDF	IES
	80CRI, 3500K	2375	18.2	130.5	82	9	Critcal spaces	PDF	IES
	80CRI, 3000K	2311	18.2	127.0	83	9	Critcal spaces	PDF	IES
	80CRI, 2700K	2185	18.2	120.1	82	7	Critcal spaces	PDF	IES
	90CRI, 3500K	2378	23.1	102.9	93	66	Critcal spaces	PDF	IES
2000 lm/4ft	80CRI, 5000K	1955	14.9	131.2	83	15	Critcal spaces	PDF	IES
	80CRI, 4000K	1936	14.9	129.9	83	13	Critcal spaces	PDF	IES
	80CRI, 3500K	1898	14.9	127.4	82	9	Critcal spaces	PDF	IES
	80CRI, 3000K	1847	14.9	124.0	83	9	Critcal spaces	PDF	IES
	80CRI, 2700K	1746	14.9	117.2	82	7	Critcal spaces	PDF	IES
	90CRI, 3500K	1935	18.2	106.3	93	66	Critcal spaces	PDF	IES
1500 lm/4ft	80CRI, 5000K	1466	11.6	126.4	83	15	Critcal spaces	PDF	IES
	80CRI, 4000K	1451	11.6	125.1	83	13	Critcal spaces	PDF	IES
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	80CRI, 2700K	1309	11.6	112.8	82	7	Critcal spaces	PDF	IES
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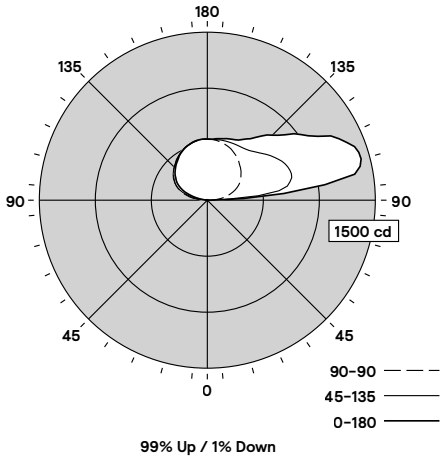
1000 lm/4ft	80CRI, 5000K	1003	8.7	115.3	83	15	Critcal spaces	PDF	IES
	80CRI, 4000K	993	8.7	114.1	83	13	Critcal spaces	PDF	IES
	80CRI, 3500K	974	8.7	112.0	82	9	Critcal spaces	PDF	IES
	80CRI, 3000K	948	8.7	109.0	83	9	Critcal spaces	PDF	IES
	80CRI, 2700K	896	8.7	103.0	82	7	Critcal spaces	PDF	IES
	90CRI, 3500K	963	10.0	96.3	93	66	Critcal spaces	PDF	IES



99% Up / 1% Down

*Photometric data shown is for 3000 lm/4ft, 4000K, 80 CRI configuration with Fill Optics

TruGroove cove

Optical system

The optical system contains arrays of LEDs edge lighting a low profile light guide panel, using total internal reflection to homogenize the sources. The microstructure surface of the light guide optimizes light extraction to create a controlled yet efficacious indirect asymmetric distribution.

Construction

- Housing: 20 Gauge CRS
- Luminaire Weight: Maximum 2.9lbs/ft
- High quality satin coat finish

Standard drivers

- Advance Xitanium 0-10V, 1-100%.
- Advance Xitanium DALI, 5-100%
- Lutron EcoSystem LDE1, 1-100% with Soft-on, Fade-to-Black
- Constant Current Class 2 rated output.
- Consult Ledalite for other available drivers.
- Power Factor: >0.90
- Total Harmonic Distortion: <20%

Standard battery pack

Bodine, 90 min, 10W, Class 2 rated output.

Battery Pack lumen output = 10W x luminaire efficacy x 1.1.

Typical output: 1300lm.

Lumen maintenance

LEDs have been tested by the manufacturer in accordance with IESNA LM-80-08. At an ambient temperature of 25°C, the LED lumen maintenance expectation according to IES TM-21-11 is:
L_{80} (10k) >84,000 hours (reported methodology).

Source color

LEDs rated for color rending CRI >80, R9 >0 and fixture to fixture color accuracy within 2 SDCM. Available 90 CRI option is rated for CRI >90, and R9 >50.

Mounting

Product can be mounting horizontally or vertically to focus the light throw in the correct orientation for the space. Fasteners supplied by others.

Validation

Luminaires are certified for safety to UL1598 and CSA C22.2 No.250.0 and comply with EMC regulations: FCC Part 15 and IECS-005 Issue 5.

Environment

Rated for dry or damp locations in operating ambient temperatures 0-30°C (32-104°F). Certain luminaire components may be adversely affected by contaminants. Damage caused by sulfur, chlorine, petroleum based solutions or other contaminants are not covered under warranty. Not suitable for natatorium environments.

Warranty

Five-year luminaire limited warranty including LED boards.
www.signify.com/warranties

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281 Hillmount Road,
Markham, ON, Canada L6C 2S3
Telephone 800-668-9008

www.ledalite.com

TOILET ACCESSORIES

Public Restroom

Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-201-AS_RR

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Toilet Tissue Holder
Item Type	Toilet Tissue Holder - Double
Description	Surface mounted double toilet tissue holder
Manufacturer	American Specialties, Inc
Model	AS 7305-2S
Dimensions	3 7/8" x 2" x 7 3/4"
Finish	Satin
Material Composition	Stainless Steel
CSI #	102800 - Toilet, Bath, and Laundry Accessories
Omniclass #	22-102800 Toilet, Bath, and Laundry Accessories

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: American Specialties, Inc
Contact Name:
Phone: (914) 476-9000
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Bobrick
Contact Name: Scott Liss
Phone: (704) 405-0667
Email: scottl@repsouth.com

ALTERNATE MANUFACTURER 3

Vendor Name: Franklin Brass, a Liberty Hardware Brand
Contact Name:
Phone:
Email:

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms
Employee Areas

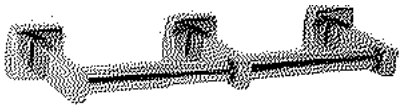
Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-201-BW_RR

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Toilet Tissue Holder
Item Type	Toilet Tissue Holder - Double
Description	Surface mounted double tissue holder.
Manufacturer	Bobrick Washroom Equipment
Model	B-76867
Dimensions	12 1/2" x 3 15/16" x 2"
Finish	Satin
Material Composition	Stainless Steel
CSI #	102800 - Toilet, Bath, and Laundry Accessories
Omniclass #	22-102800 Toilet, Bath, and Laundry Accessories

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Bobrick
Contact Name: Scott Liss
Phone: (704) 405-0667
Email: scottl@repsouth.com

ALTERNATE MANUFACTURER 2

Vendor Name: American Specialties, Inc
Contact Name:
Phone: (914) 476-9000
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Franklin Brass, a Liberty Hardware Brand
Contact Name:
Phone:
Email:

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms
Employee Areas

Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-201-FB_RR

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Toilet Tissue Holder
Item Type	Toilet Tissue Holder - Double
Description	Surface mounted double toilet tissue holder.
Manufacturer	Franklin Brass
Model	FB 5507B
Dimensions	13 1/2" x 3 3/8" x 2"
Finish	Satin
Material Composition	Stainless Steel

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Franklin Brass, a Liberty Hardware Brand
Contact Name:
Phone:
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: American Specialties, Inc
Contact Name:
Phone: (914) 476-9000
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Bobrick
Contact Name: Scott Liss
Phone: (704) 405-0667
Email: scottl@repsouth.com

ALTERNATE MANUFACTURER 4

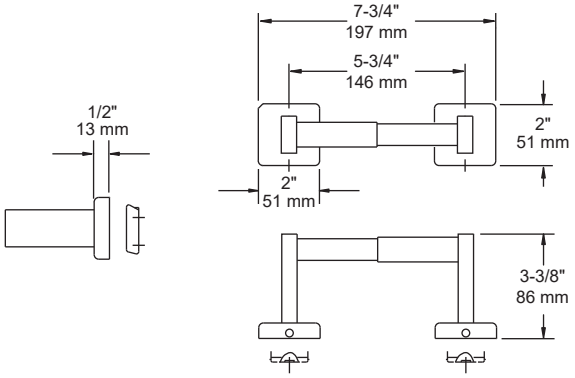
AREAS

Public Restrooms
Employee Areas

TECHNICAL DATA

Century™

TOILET PAPER HOLDER WITH PLASTIC ROLLER



MATERIALS: Posts and Flange - 304 Stainless Steel
Roller - Plastic
Wall Plate - Stainless Steel

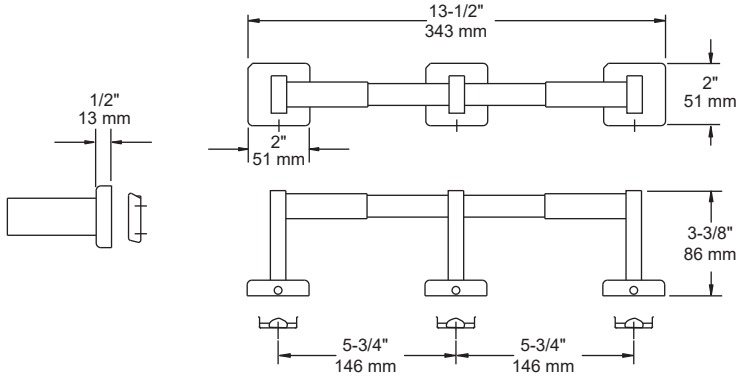
INSTALLATION: Mount wall plate bracket(s) per installation instructions with supplied fasteners. Slip product over wall plate(s) and tighten set screws until secure.

OPTIONAL FASTENER INFORMATION:
Wood blocking is preferable behind all wall surfaces. If wood blocking is not available, the following fasteners are suggested: Tile/Masonry - Plastic or Lead Anchors, Plaster/Drywall - Toggle Bolts.

SPECIFICATION: Surface mounted toilet paper holder shall be model _____ (fill in model number) by Liberty Hardware Manufacturing Corporation.

Century™

TWIN TOILET PAPER HOLDER WITH PLASTIC ROLLERS



MATERIALS: Posts and Flange - 304 Stainless Steel
Rollers - Plastic
Wall Plate - Stainless Steel

INSTALLATION: Mount wall plate bracket(s) per installation instructions with supplied fasteners. Slip product over wall plate(s) and tighten set screws until secure.

OPTIONAL FASTENER INFORMATION:
Wood blocking is preferable behind all wall surfaces. If wood blocking is not available, the following fasteners are suggested: Tile/Masonry - Plastic or Lead Anchors, Plaster/Drywall - Toggle Bolts.

SPECIFICATION: Surface mounted twin toilet paper holder shall be model _____ (fill in model number) by Liberty Hardware Manufacturing Corporation.

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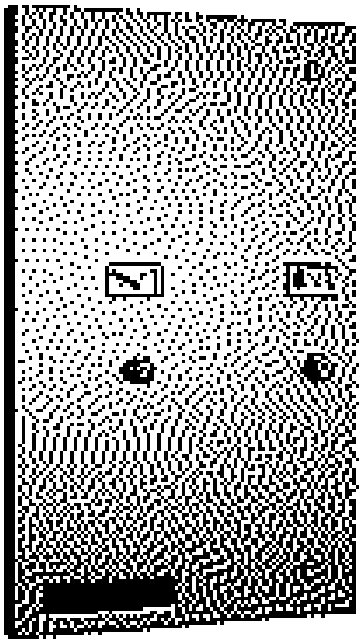
Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-801-BW_RR

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Feminine Napkin Vendor
Item Type	Feminine Napkin Vendor - Wall Recessed
Description	Coin operated sanitary napkin / tampon vendor recessed in wall.
Manufacturer	Bobrick Washroom Equipment, Inc
Model	B-3500
Dimensions	16 5/8" x 27" x 3 15/16"
Finish	Satin
Material Composition	Stainless Steel
CSI #	102800 - Toilet, Bath, and Laundry
Omniclass #	22-102800 Toilet, Bath, and Laundry



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Bobrick
Contact Name: Scott Liss
Phone: (704) 405-0667
Email: scottl@repsouth.com

ALTERNATE MANUFACTURER 2

Vendor Name: American Specialties, Inc
Contact Name:
Phone: (914) 476-9000
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: GAMCO, Inc, a Division of Bobrick
Contact Name:
Phone: (580) 924-8066
Email:

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms
Employee Areas

BOBRICK

Technical Data

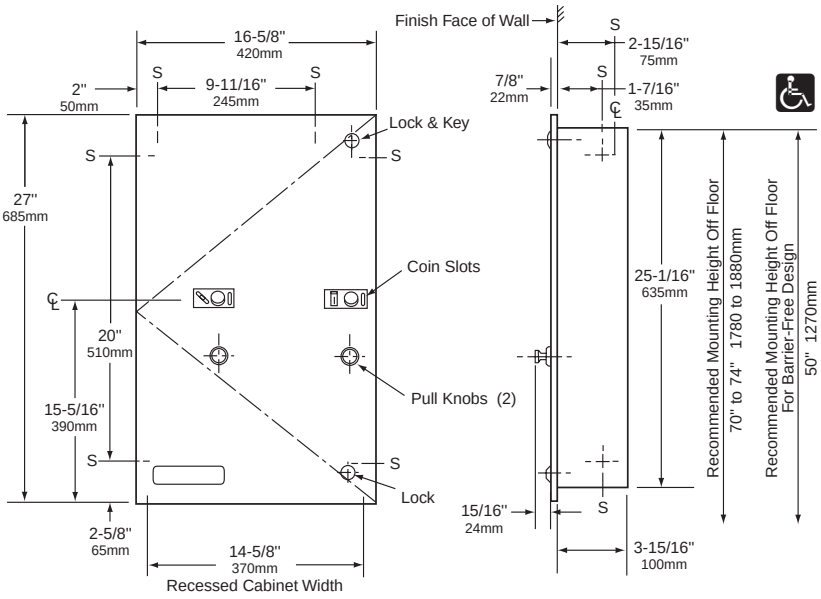
RECESSED NAPKIN/TAMPON VENDORS

B-3500 SERIES

Specify Model Required:

- ❑ Model B-3500C Free no-coin operation
- ❑ Model B-3500 25 25¢ single-coin operation
- ❑ Model B-3500X2 50 50¢ double-coin operation

Patented



Rough Wall Opening
15-1/8" (385mm) wide
25-1/2" (650mm) high
4" (102mm) minimum recessed depth

MATERIALS:

Cabinet — 18-8 S, type-304, 22-gauge (0.8mm) stainless steel. All-welded construction.

Door — 18-8 S, type-304, 18-gauge (1.2mm) stainless steel with satin finish. 7/8" (22mm) 90° return edges for maximum rigidity. Secured to cabinet with a concealed, full-length stainless steel piano-hinge. Equipped with a stainless steel cable door-swing limiter and two tumbler locks keyed like other Bobrick washroom accessories. Door has no brand-name advertising for products dispensed. Can be replaced in the field. International graphic symbols identify product dispensed and coin denomination.

Coin Mechanisms (2) — Impact-resistant ABS with satin-finish aluminum pull knobs. Coin mechanisms can be converted in the field to any standard coin denomination without having to purchase new coin mechanisms (no-coin, single-coin, or double-coin operation). Each coin box is equipped with a tumbler lock that opens with different key than furnished for door locks. Coinage is designated by symbols on metal plate, which can be changed only from inside the door.

Designer's Note: If change of coin denomination is desired after installation, order Bobrick Coin Plate Replacement Kit for the desired coinage.

OPERATION:

After coin is inserted in dispensing mechanism of patron's choice, pulling appropriate handle dispenses boxed sanitary napkin or tampon tube. Pull knobs operate with one hand, without tight grasping, pinching, or twisting of the wrist, and with less than 5 pounds of force (22.2 N) to comply with barrier-free accessibility guidelines (including ADAAG in U.S.A.). Coin slot of each dispensing mechanism is identified by an international graphic symbol. Capacity: 31 sanitary napkins and 22 tampons. Coin slots are blocked when supply is depleted. Cable door-swing limiter prevents damage to washroom accessories and walls. Vendor dispenses sanitary napkin packages measuring 3" x 1" x 4-1/4" (76 x 25 x 108mm) and tampon packages measuring 5-1/8" long x 11/16" diameter (130 x 17mm).

continued . . .

The illustrations and descriptions herein are applicable to production as of the date of this Technical Data Sheet.
The manufacturer reserves the right to, and does from time to time, make changes and improvements in designs and dimensions.

Revised 5/06 Printed in U.S.A.
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INSTALLATION:

Provide framed rough wall opening 15-1/8" wide x 25-1/2" high (385 x 650mm). Minimum recessed depth required to finish face of wall is 4" (102mm). Allow clearance for construction features that may protrude into opening from opposite wall. Coordinate with mechanical engineer to avoid pipes, vents, and conduits. If unit projects above top of wainscot, provide aluminum channel or other filler to eliminate gap between flange and finish face of wall. Mount unit with shims between framing and cabinet at all points indicated by an *S,* then secure unit with #8 x 1-1/4" (M4.2 x 32mm) sheet-metal screws (not furnished).

SPECIFICATION:

Recessed sanitary napkin/tampon vendor shall combine two dispensing mechanisms in one cabinet to provide sanitary napkins or tampons at user's option. Dispensing mechanisms shall be pre-set at factory for_____ (insert one: Free, 25¢, or 50¢) operation, but shall be convertible in the field to allow the change of coin denomination without purchasing new mechanisms or removing unit from wall. Door shall be furnished with metal plates indicating specified coin denomination. Unit shall be type-304 stainless steel with all-welded construction; exposed surfaces shall have satin finish. Door shall be 18 gauge (1.2mm); have 7/8" (22mm) 90° return edges; be secured to cabinet with a concealed, full-length stainless steel piano-hinge; and equipped with a stainless steel cable door-swing limiter and two tumbler locks keyed like other Bobrick washroom accessories. Pull knobs shall be operable with one hand and with less than 5 pounds of force (22.2 N) to comply with barrier-free accessibility guidelines (including ADAAG in U.S.A.). Each coin box shall be equipped with a tumbler lock that is keyed differently than door locks. Unit shall not carry brand-name advertising. Manufacturer's service and parts manual shall be provided to the building owner/manager upon completion of project.

Recessed Sanitary Napkin/Tampon Vendor shall be Model _____ (insert model number) of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.

The illustrations and descriptions herein are applicable to production as of the date of this Technical Data Sheet.
The manufacturer reserves the right to, and does from time to time, make changes and improvements in designs and dimensions.

B-3500 Revised 5/06 Printed in U.S.A.
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Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-801-GA_RR

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Feminine Napkin Vendor
Item Type	Feminine Napkin Vendor - Wall Recessed
Description	Coin operated sanitary napkin / tampon vendor recessed in wall.
Manufacturer	GAMCO, Inc
Model	GA NV-2-4
Dimensions	14 3/4" x 25 1/2" x 4"
Finish	Satin
Material Composition	Stainless Steel
CSI #	102800 - Toilet, Bath, and Laundry
Omniclass #	22-102800 Toilet, Bath, and Laundry

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: GAMCO, Inc, a Division of Bobrick
Contact Name:
Phone: (580) 924-8066
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: American Specialties, Inc
Contact Name:
Phone: (914) 476-9000
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Bobrick
Contact Name: Scott Liss
Phone: (704) 405-0667
Email: scottl@repsouth.com

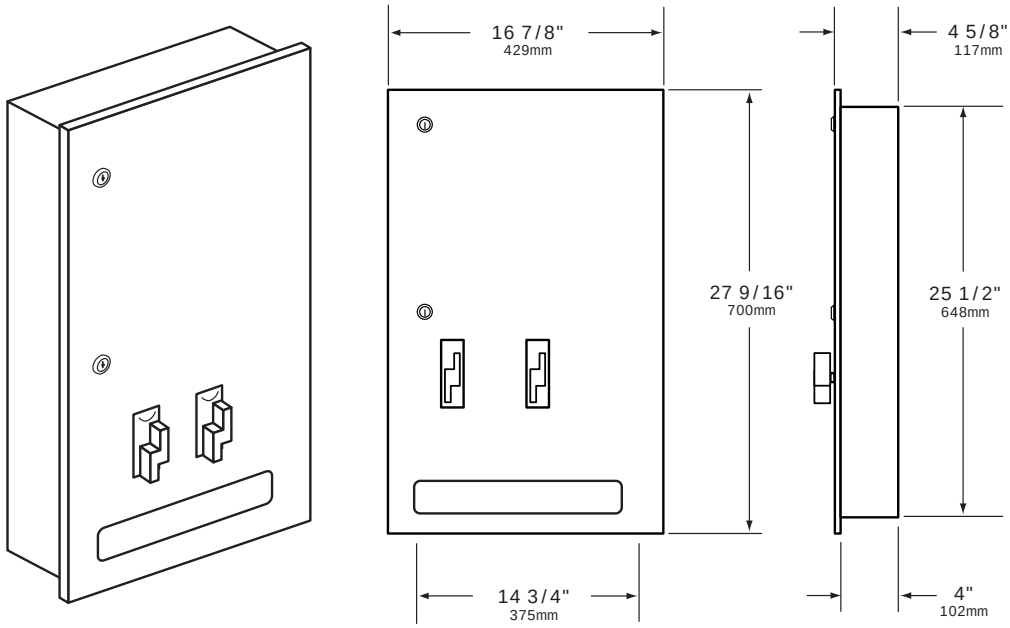
ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms
Employee Areas

GAMCO

NV-2-4 Sanitary Napkin Vendors



Construction:

Cabinet and frame fabricated of 18-8 type 304 stainless steel. All welded construction with exposed surfaces having a #4 satin finished. EXTRA HEAVY 18 gauge (1.2mm) door, warp free, hung on continuous piano hinge and fitted with two tumbler locks. No name or logo on unit.

Operation:

Coin box fitted with tumbler lock keyed differently than door. Coin mechanisms available for 10 cents, 25 cents, 50 cents and Free operation.

Capacity:

15 napkins and 24 tampons

Overall Dimensions:

16-7/8" (429mm)W x 27-9/16" (700mm) H x 4-5/8" (117mm)D

Wall Opening:

15-1/4"(387mm)W x 26-1/16" (662mm)H x 4" (102mm) min depth

Mounting Height:

74" (1,880mm) to top of unit, 60" (1,524mm) for handicapped.

Options:

NV-2-4 FS same as above but with 4" (102mm) skirt for surface mounting

NV-2-4C same as above except with round knobs

PL, Plastic laminated 5/16" (8mm) door. Door is made of 5/16" (8mm) thick solid phenolic plastic, hung on continuous steel piano hinge, and fitted with 2 tumbler locks.

Manufacturer reserves the right to make changes in design or dimensions without formal notice.

Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-801-LI_RR

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Feminine Napkin Vendor
Item Type	Feminine Napkin Vendor - Wall Recessed
Description	Coin operated sanitary napkin / tampon vendor that is mounted in wall recess.
Manufacturer	American Specialties, Inc.
Model	AS 04684
Dimensions	26" x 16" x 4"
Finish	Satin
Material Composition	Stainless Steel
CSI #	102800 - Toilet, Bath, and Laundry
Omniclass #	22-102800 Toilet, Bath, and Laundry

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: American Specialties, Inc
Contact Name:
Phone: (914) 476-9000
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Bobrick
Contact Name: Scott Liss
Phone: (704) 405-0667
Email: scottl@repsouth.com

ALTERNATE MANUFACTURER 3

Vendor Name: GAMCO, Inc, a Division of Bobrick
Contact Name:
Phone: (580) 924-8066
Email:

ALTERNATE MANUFACTURER 4

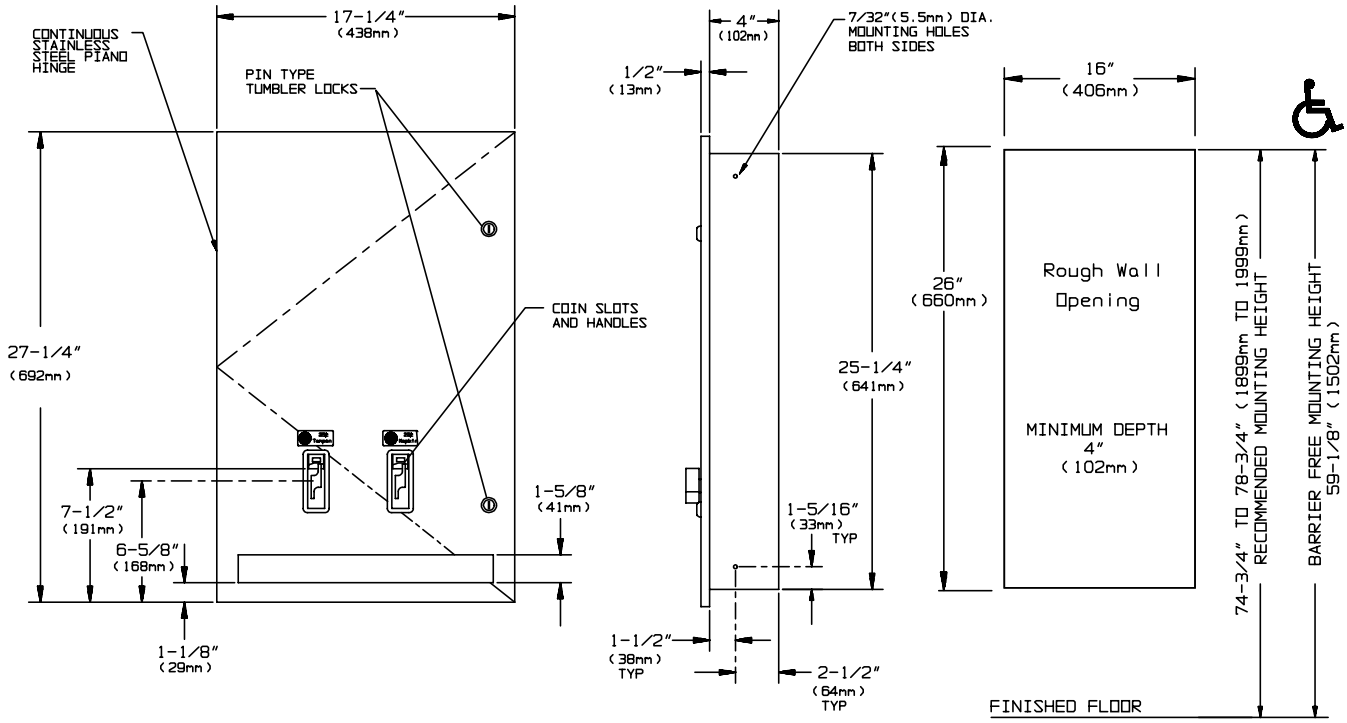
AREAS

Public Restrooms
Employee Areas

AMERICAN SPECIALTIES, INC.
441 Saw Mill River Road, Yonkers, NY 10701 (914) 476-9000

MODEL No:	04684
ISSUED:	1-87
REVISED:	9-04

RECESSED DUAL SANITARY NAPKIN / TAMPON DISPENSER (PAGE 1 OF 2)



SPECIFICATION

Sanitary Napkin / Tampon vendor shall dispense 15 napkins and 23 tampons of specified sizes and shall have cabinet fabricated of alloy 18-8 stainless steel, type 304, 18 gauge; all exposed surfaces shall have № 4 satin finish and be protected during shipment with a PVC film easily removable after installation. Door shall be fabricated of 18 gauge same grade stainless steel and shall be attached to cabinet with a full length 3/16″ dia. (5mm) stainless steel multi-staked piano hinge and shall be held closed with two (2) tumbler locks keyed alike to other ASI Washroom Equipment. Internal coin-box shall be keyed differently than door locks. Dispensing mechanisms shall be fastener mounted internally to provide ability to change mechanisms for coinage denomination. Structural assembly of body and door components shall be of welded construction and have no exposed fasteners or welded seams. Weights for each feed track shall be supplied. Factory installed coin operation denomination shall be_____ (please fill in 25¢ or 50¢ or FREE) and add denomination as suffix to model № (ie: 04684-25).

Sanitary Napkin / Tampon Vendor shall be Model №04684-xx as manufactured by American Specialties, Inc., 441 Saw Mill River Road, Yonkers, New York 10701-4913

INSTALLATION

Unit is mounted in wall recess using №10 self-tapping screws (by others). Note that coin slot is 6-7/8" (175mm) above bottom edge of rough wall opening.

Rough Wall Opening required is……. 16"W x 26"H x 4"D minimum (406mm x 660mm x 102mm).

THIS MANUFACTURER RESERVES THE RIGHT TO MAKE CHANGES IN DESIGN OR DIMENSIONS WITHOUT FORMAL NOTICE

AMERICAN SPECIALTIES, INC.
441 Saw Mill River Road, Yonkers, NY 10701 (914) 476-9000

MODEL No: 04684
ISSUED: 1-87
REVISED: 9-04

RECESSED DUAL SANITARY NAPKIN / TAMPON DISPENSER (PAGE 2 OF 2)

OPERATION

Deposit of specified coin allows operation of dispenser. Napkin and tampon dispensers operate independently. Selected product drops into vending opening after operator actuation. Indicator displays empty condition and blocks coin slot when product is depleted. Unit vend product supply is replenished on cycle determined by maintenance needs by opening door and manually reloading product into dispenser supply tracks. Track weights MUST BE USED to provide positive feed.

NAPKINS, SINGLES, CARDBOARD-BOXED, SEMIGLOSS FINISH; CAPACITY: 15, BOX SIZE: 4-1/4" x 3" x 1-1/8" (108mm x 76mm x 29mm)	
Stayfree	No. 4
Guards	No's. 247, or 147
Kotex	No's.704,707,07010, 07040, 07045, 07300, 07320
Pure-Nat	No. M-4
Modess	No. 4
TAMPONS, CYLINDER, CARDBOARD, SEMIGLOSS, CRIMPED ENDS; CAPACITY: 23, TUBE SIZE: 3/4" dia. x 5-1/4" (19mm x 134mm)	
Tampax	
Modess Tampons	

THIS MANUFACTURER RESERVES THE RIGHT TO MAKE CHANGES IN DESIGN OR DIMENSIONS WITHOUT FORMAL NOTICE

Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-802-BW_RR

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Paper Towel and Waste Dispenser
Item Type	Paper Towel and Waste Dispenser - Recessed
Description	Recessed convertible paper towel dispenser and waste receptacle.
Manufacturer	Bobrick Washroom Equipment, Inc
Model	B-3944
Dimensions	56" x 17 3/16" x 4"
Color	Stainless Steel
Finish	Satin
CSI #	102800 - Toilet, Bath, and Laundry Accessories
Omniclass #	22-102800 Toilet, Bath, and Laundry Accessories
Part of an Assembly	N

SPECIAL INSTRUCTIONS

MANUFACTURER	AREAS
Vendor Name: Bobrick Contact Name: Scott Liss	Public Restrooms

Phone: (704) 405-0667 Email: scottl@repsouth.com	Employee Areas
ALTERNATE MANUFACTURER 2 Vendor Name: GAMCO, Inc, a Division of Bobrick Contact Name: Phone: (580) 924-8066 Email:	
ALTERNATE MANUFACTURER 3 Vendor Name: Lixil - Grohe, American Standard, DXV Contact Name: Stephanie Weston Phone: (302) 518-1704 Email: stephanie.weston@lixil.com	
ALTERNATE MANUFACTURER 4	

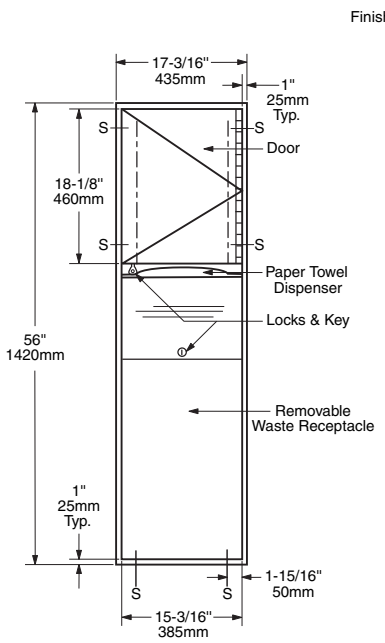
BOBRICK

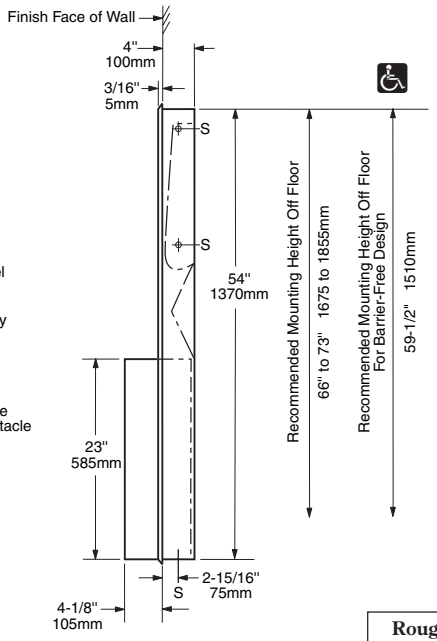
Technical Data

RECESSED CONVERTIBLE PAPER TOWEL DISPENSER AND WASTE RECEPTACLE

B-3944

Patent Pending





Rough Wall Opening

16" (405mm) wide
54-3/4" (1390mm) high
4" (102mm) minimum
recessed depth

MATERIALS:

Cabinet — 18-8 S, type-304, heavy-gauge stainless steel. All-welded construction. Exposed surfaces have satin finish.

Flange — 18-8 S, type-304, 22-gauge (0.8mm) stainless steel with satin finish. Drawn and beveled, one-piece, seamless construction.

Door — 18-8 S, type-304, 22-gauge (0.8mm) stainless steel with satin finish. Double-pan-back construction. Secured to cabinet with a full-length stainless steel piano-hinge. Equipped with a semi-concealed tumbler lock keyed like other Bobrick washroom accessories.

Paper Towel Dispenser — 18-8 S, type-304, 22-gauge (0.8mm) stainless steel with satin finish. Rounded towel tray has hemmed opening to dispense paper towels without tearing. Capacity: 600 C-fold or 800 multifold paper towels.

Waste Receptacle — 18-8 S, type-304, 22-gauge (0.8mm) stainless steel with satin finish. Front and sides of bottom and all top edges are hemmed for safe handling. Secured to cabinet with a tumbler lock keyed like other Bobrick washroom accessories. Equipped with interior hooks for optional vinyl liner. Capacity: 12 gal. (45.5 L).

OPERATION:

Paper towel dispenser accommodates C-fold or multifold paper towels without adjustment or use of adapters. To empty waste receptacle, unlock with key provided. Liner cannot be removed unless waste receptacle is unlocked from cabinet. Reusable vinyl liners are available as an optional accessory: order Bobrick Part No. 3944-12. This unit is field convertible to a Universal Roll Towel Dispenser by ordering Bobrick Part No. 3961-50 (Touch-Free Universal Roll Towel Dispenser Module). The waste capacity can be increased by ordering Bobrick part No. 368-60 (18-Gallon Waste Receptacle Module).

INSTALLATION:

Provide framed rough wall opening 16" wide x 54-3/4" high (405 x 1390mm). Minimum recessed depth required to finish face of wall is 4" (102mm). Allow clearance for construction features that may protrude into rough wall opening from opposite wall. Coordinate with mechanical engineer to avoid pipes, vents, and conduits. If unit projects above top of wainscot, provide aluminum channel or other filler to eliminate gap between flange and finish face of wall. Mount unit in wall opening with shims between framing and cabinet at all points indicated by an *S*, then secure unit with #8 x 1-1/4" (4.2 x 32mm) sheet-metal screws (not furnished).

SPECIFICATION:

Recessed convertible paper towel dispenser and waste receptacle shall be type-304 stainless steel with all-welded construction; exposed surfaces shall have satin finish. Flange shall be drawn and beveled, one-piece, seamless construction. Door shall be secured to cabinet with a full-length stainless steel piano-hinge and equipped with a semi-concealed tumbler lock keyed like other Bobrick washroom accessories. Paper towel dispenser shall dispense 600 C-fold or 800 multifold paper towels. Removable waste receptacle shall be secured to cabinet with a tumbler lock, have front and side edges of bottom and all top edges hemmed for safe handling, and shall have a minimum capacity of 12 gal. (45.5 L). Manufacturer's service and parts manual shall be provided to the building owner/manager upon completion of project.

Recessed Convertible Paper Towel Dispenser And Waste Receptacle shall be Model B-3944 of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.

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Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

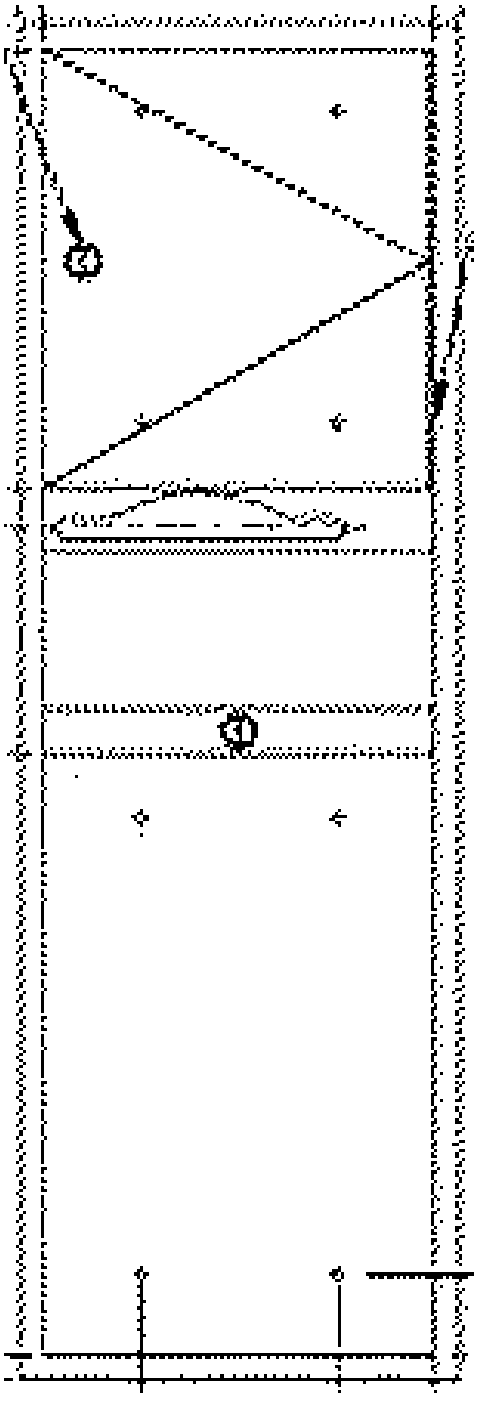
TA-802-LI_RR

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Paper Towel Dispenser and Disposal
Item Type	Paper Towel Dispenser and Disposal - Recessed
Description	Paper towel dispenser and waste receptacle.
Manufacturer	American Specialties, Inc
Model	AS 0469
Dimensions	56" x 17 1/4" x 4"
Color	Stainless Steel
Finish	Satin
CSI #	102800 - Toilet, Bath, and Laundry Accessories
Omniclass #	22-102800 Toilet, Bath, and Laundry Accessories
Part of an Assembly	N



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: American Specialties, Inc
Contact Name:

AREAS

Public Restrooms
Employee Areas

Phone: (914) 476-9000
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Bobrick
Contact Name: Scott Liss
Phone: (704) 405-0667
Email: scottl@repsouth.com

ALTERNATE MANUFACTURER 3

Vendor Name: GAMCO, Inc, a Division of Bobrick
Contact Name:
Phone: (580) 924-8066
Email:

ALTERNATE MANUFACTURER 4

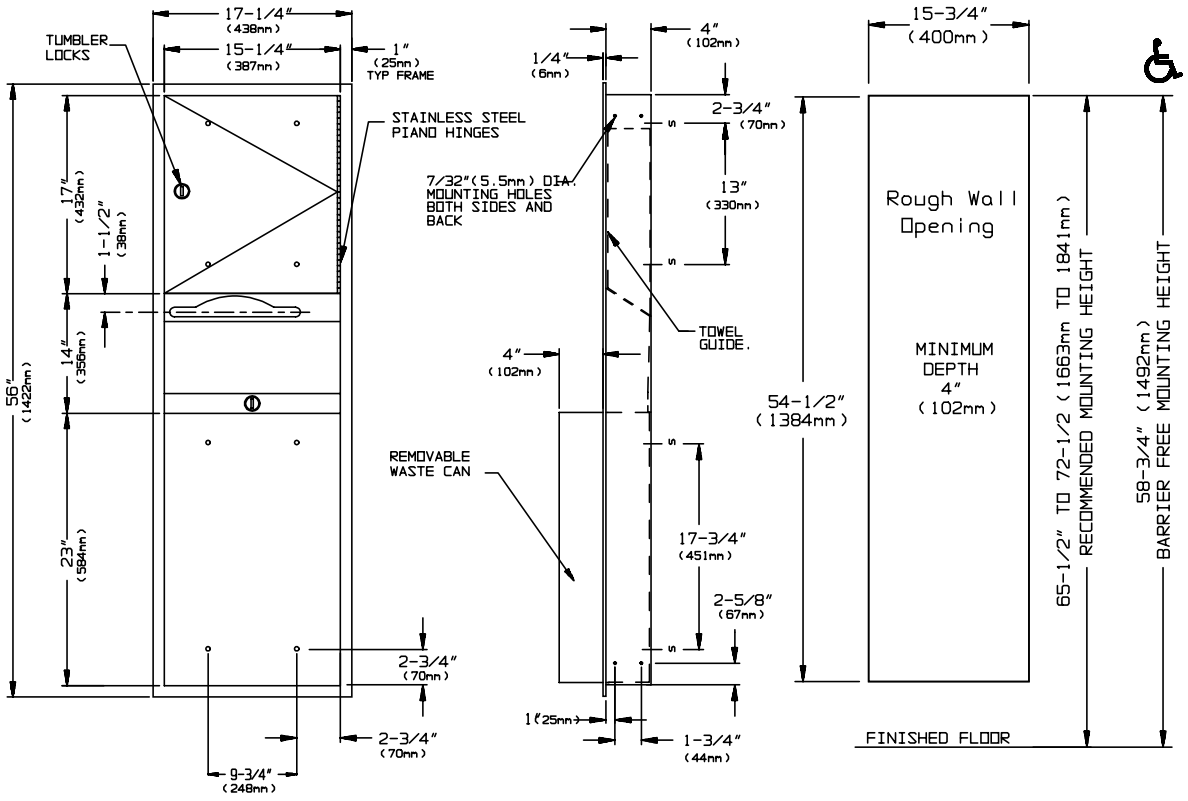
TA-802-LI_RR

AMERICAN SPECIALTIES, INC.

441 Saw Mill River Road, Yonkers, NY 10701 (914) 476-9000

MODEL No:	0469
ISSUED:	1-87
REVISED:	9-04

RECESSED PAPER TOWEL DISPENSER AND WASTE RECEPTACLE



SPECIFICATION

Paper Towel Dispenser and Waste Receptacle shall hold and dispense 800 standard multi-fold or 600 standard C-fold paper towels and shall have a waste capacity of 12 gal (46litres). Towel dispenser, door, frame, waste container and cabinet shall be fabricated of alloy 18-8 stainless steel, type 304, 22 gauge All exposed surfaces shall be № 4 satin finish and be protected during shipment with a PVC film easily removable after installation. Towel dispensing slot shall have a fully hemmed-in rolled edge for snag-free dispensing and user safety. Door shall be fabricated in double-pan construction with fiberboard filler and shall be attached to cabinet at side with a full length 3/16"dia. stainless steel multi-staked piano hinge and be held closed with a tumbler lock keyed alike to other ASI washroom equipment. Waste container shall have hemmed edges for safety and shall be retained by a tumbler lock keyed alike to other ASI washroom equipment. Face trim shall be 1" (25.4mm) wide formed from one piece with no mitres, welding or open seams and have 1/4" (6.35mm) square return to wall. Structural assembly of all components shall be of welded construction. Cabinet shall have no exposed fastening devices or spot welded seams.

Paper Towel Dispenser and Waste Receptacle shall be Model № 0469 as manufactured by American Specialties, Inc., 441 Saw Mill River Road, Yonkers, New York 10701-4913

INSTALLATION

Unit is mounted in wall recess using four (4) № 10 self tapping screws (by others) through concealed mounting holes provided. Note that top of rough wall opening is 3/4" (19mm) below top of unit.

Rough Wall Opening required is…….15-3/4"W. x 54-1/2"H. x 4"D. minimum (400mm x 1384mm x 102mm)

OPERATION

Towels are self-feeding until supply is depleted. Waste container is emptied manually on cycle determined by maintenance needs. Locked compartment prevents unauthorized access.

Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-803-BW_RR

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Soap Dispenser
Item Type	N/A
Description	Lavatory mounted soap dispenser
Manufacturer	Bobrick Washroom Equipment
Model	B-8226 (Bobrick Contura Series)
Dimensions	13" L x 5-1/16" D x 16-3/4" H overall 34 fl oz capacity
Quality Standards	Not applicable
Content	Metal / Stainless Steel
Finish	Satin Finish
Lead Time	2-3 days
Warranty	3-Year Warranty

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Bobrick
Contact Name: Scott Liss
Phone: (704) 405-0667
Email: scottl@repsouth.com

ALTERNATE MANUFACTURER 2

Vendor Name: American Specialties, Inc
Contact Name:
Phone: (914) 476-9000
Email:

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms
Employee Areas

Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

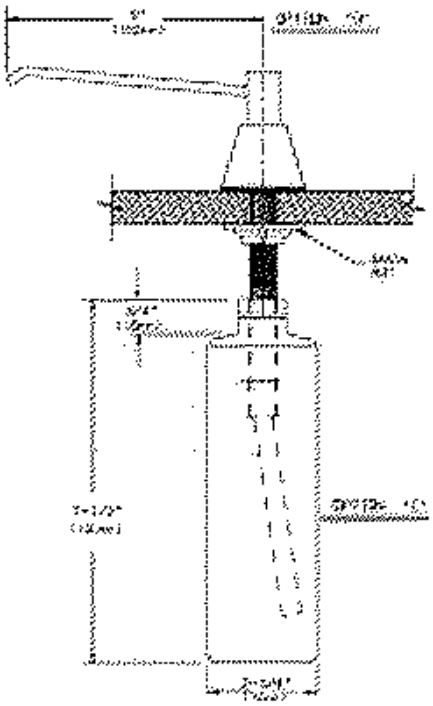
TA-803-LI_RR

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Soap Dispenser
Item Type	Lavatory Mounted Soap Dispenser
Description	Lavatory mounted soap dispenser.
Manufacturer	American Specialties, Inc.
Model	AS 0332D
Dimensions	6" spout
Color	Stainless Steel
Finish	Satin
CSI #	102800 - Toilet, Bath, and Laundry Accessories
Omniclass #	22-102800 Toilet, Bath, and Laundry Accessories
Part of an Assembly	N



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: American Specialties, Inc
Contact Name:
Phone: (914) 476-9000
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Bobrick
Contact Name: Scott Liss
Phone: (704) 405-0667
Email: scottl@repsouth.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms
Employee Areas

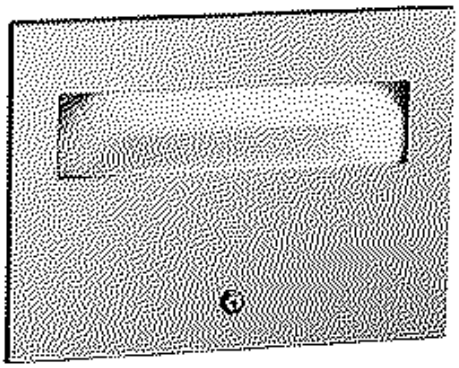
Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-804-BW_RR

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Seat Cover Dispenser
Item Type	Single Seat Cover Dispenser
Description	Recessed seat cover dispenser
Manufacturer	Bobrick Washroom Equipment
Model	B-3013
Dimensions	17-9/16" W x 2 1/2" D x 13 1/16" H overall
Finish	Satin
Material Composition	Stainless Steel
CSI #	102800 - Toilet, Bath, and Laundry Accessories
Omniclass #	22-102800 Toiler, Bath, and Laundry Accessories
Quality Standards	Not applicable
Lead Time	2-3 days
Warranty	Warranted to be free from defects in workmanship and material under normal usage service for one year from the date of purchase



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Bobrick
Contact Name: Scott Liss
Phone: (704) 405-0667
Email: scottl@repsouth.com

ALTERNATE MANUFACTURER 2

Vendor Name: American Specialties, Inc
Contact Name:
Phone: (914) 476-9000
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: GAMCO, Inc, a Division of Bobrick
Contact Name:
Phone: (580) 924-8066
Email:

ALTERNATE MANUFACTURER 4

AREAS

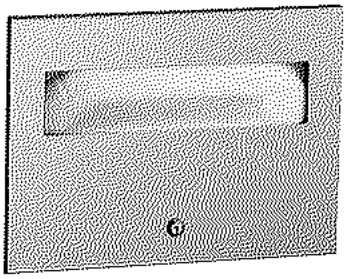
Public Restrooms
Employee Areas

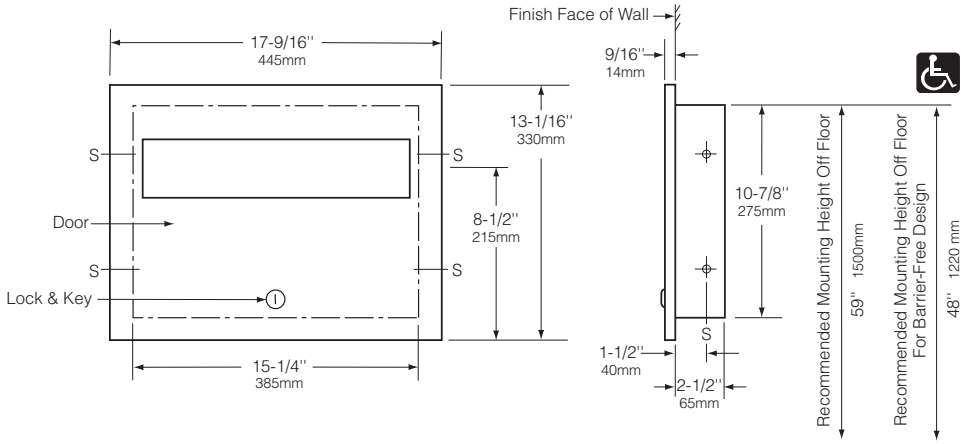
BOBRICK

Technical Data

RECESSED TOILET-SEAT-COVER DISPENSER

B-3013





Rough Wall Opening
15-5/8" (395mm) wide
11-1/4" (285mm) high
2-3/4" (70mm) minimum
recessed depth

MATERIALS:

Cabinet — 18-8 S, type-304, heavy-gauge stainless steel. All-welded construction.

Door — 18-8 S, type-304, 18-gauge (1.2mm) stainless steel with satin finish. 9/16" (14mm) 90° return for maximum rigidity. Secured to cabinet with a concealed, full-length stainless steel piano-hinge. Equipped with a tumbler lock keyed like other Bobrick washroom accessories.

OPERATION:

Dispenses single- or half-fold paper toilet seat covers. To fill dispenser, door unlocks with key provided. Capacity: 500 toilet seat covers.

INSTALLATION:

Provide framed rough wall opening 15-5/8" wide x 11-1/4" high (395 x 285mm). Minimum recessed depth required from finish face of wall is 2-3/4" (70mm). Allow clearance for construction features that may protrude into rough wall opening from opposite wall. Coordinate with mechanical engineer to avoid pipes, vents, and conduits in wall. Mount cabinet with shims between framing and cabinet at all points indicated by an *S,* then secure unit with four #8 x 1-1/4" (4.2 x 32mm) sheet-metal screws (not furnished).

SPECIFICATION:

Recessed toilet-seat-cover dispenser shall be type-304 stainless steel with all-welded construction; exposed surfaces shall have satin finish. Door shall be 18 gauge (1.2mm); have 9/16" (14mm) 90° return edges; be secured to cabinet with a concealed, full-length stainless steel piano-hinge; and equipped with a tumbler lock keyed like other Bobrick washroom accessories. Dispenser shall have a minimum capacity of 500 paper toilet seat covers. Manufacturer's service and parts manual shall be provided to the building owner/manager upon completion of project.

Recessed Toilet-Seat-Cover Dispenser shall be Model B-3013 of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.

The illustrations and descriptions herein are applicable to production as of the date of this Technical Data Sheet.
The manufacturer reserves the right to, and does from time to time, make changes and improvements in designs and dimensions.

Revised 5/06 Printed in U.S.A.
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Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-804-GA_RR

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Seat Cover Dispenser
Item Type	Single Seat Cover Dispenser
Description	Recessed toilet seat cover dispenser.
Manufacturer	GAMCO, Inc, A Bobrick Company
Model	TSC-8
Dimensions	17 1/8" x 12 3/4" x 2 1/2"
Color	Stainless Steel
Finish	Satin
CSI #	102800 - Toilet, Bath, and Laundry Accessories
Omniclass #	22-102800 Toilet, Bath, and Laundry Accessories
Part of an Assembly	N

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: GAMCO, Inc, a Division of Bobrick
Contact Name:
Phone: (580) 924-8066
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Bobrick
Contact Name: Scott Liss
Phone: (704) 405-0667
Email: scottl@repsouth.com

ALTERNATE MANUFACTURER 3

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 4

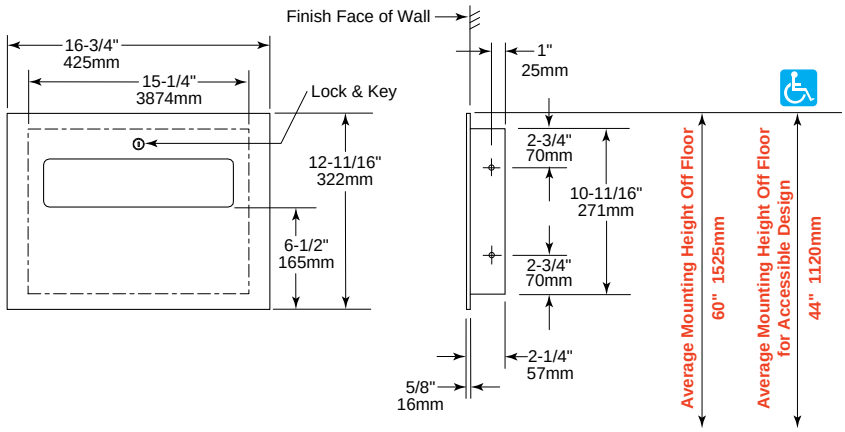
AREAS

Public Restrooms
Employee Areas

GAMCO
Commercial Restroom Accessories
Technical Data

RECESSED COVERALL TOILET SEAT-COVER DISPENSER

TSC-8



Rough Wall Opening
15-5/8" (395mm) wide
11-1/4" (286mm) high
2" (51mm) minimum
recessed depth

CONSTRUCTION:

Unit fabricated of type 304 stainless steel with exposed surfaces having a #4 satin-finish. One piece seamless door construction, EXTRA HEAVY 18-gauge (2mm) with 5/8" (16mm) return for rigidity. Door is mounted to cabinet with continuous stainless steel piano hinge and fitted with tumbler lock. All welded construction.

CAPACITY:

Dispenses 500 toilet seat covers.

INSTALLATION:

Provide framed wall opeining. Recessed depth reuired from finish face of wall is 2" (51mm). Check plans and coordinate with mechanical engineers to avoid protrusion from opposite wall, pipes, conduits, electrical wires, etc. If installing in plaster wall, recommend grounding. If installing where unit projects above top of wainscot, provide filler to prevent gap from finished wall and flange of unit. If installing in block walls, use metal expansion shields.

OVERALL DIMENSIONS:

16-3/4" W x 12-11/16" H x 2-1/4" D (425 x 322 x 57mm)

Recessed Coverall Toilet Seat-Cover Dispenser shall be Model TSC-8 of Gamco Commercial Restroom Accessories, One Gamco Place, Durant, OK, 74701-1910

The illustrations and descriptions herein are applicable to production as of the date of this Technical Data Sheet.
The manufacturer reserves the right to, and does from time to time, make changes and improvements in designs and dimensions.

Revised 2/05/16 Printed in U.S.A.
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Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-804-LI_RR

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Seat Cover Dispenser
Item Type	Single Seat Cover Dispenser
Description	Recessed toilet seat cover dispenser.
Manufacturer	American Specialties, Inc (Lixil Parent Company)
Model	6477
Dimensions	12 3/4" x 17 1/4" x 2 3/8"
Color	Stainless Steel
Finish	Satin
CSI #	102800 - Toilet, Bath, and Laundry Accessories
Omniclass #	22-102800 Toilet, Bath, and Laundry Accessories
Part of an Assembly	N

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: American Specialties, Inc
Contact Name:
Phone: (914) 476-9000
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Bobrick
Contact Name: Scott Liss
Phone: (704) 405-0667
Email: scottl@repsouth.com

ALTERNATE MANUFACTURER 3

Vendor Name: GAMCO, Inc, a Division of Bobrick
Contact Name:
Phone: (580) 924-8066
Email:

ALTERNATE MANUFACTURER 4

AREAS

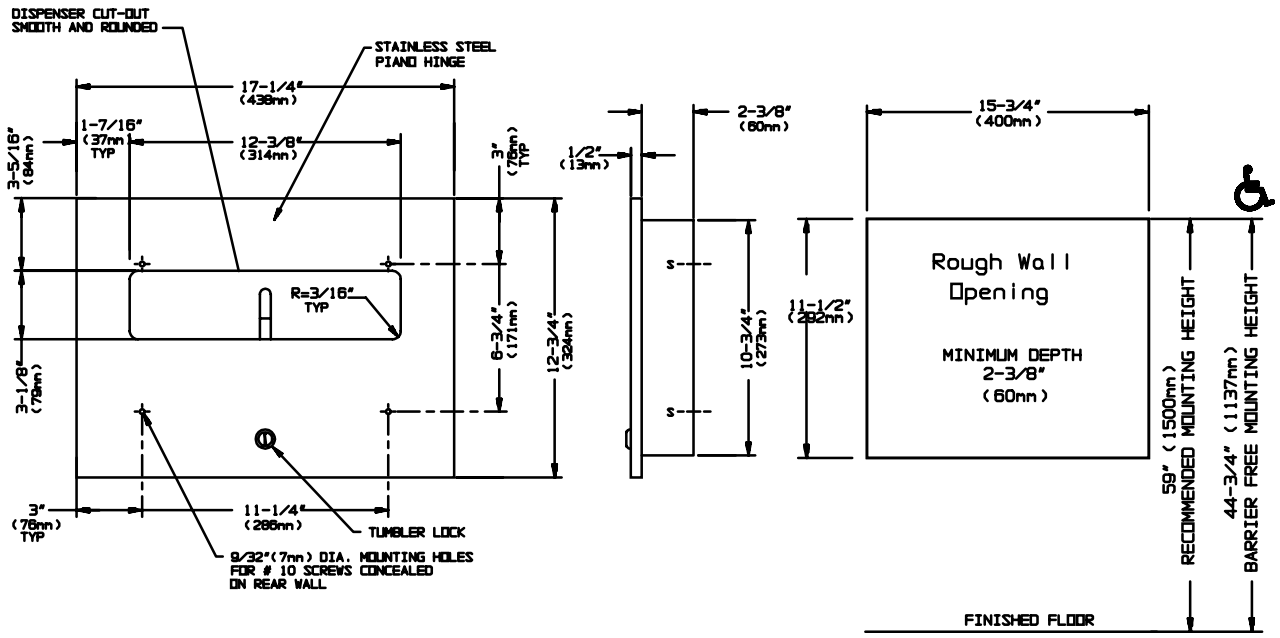
Public Restrooms
Employee Areas

TA-804-LI_RR

AMERICAN SPECIALTIES, INC.
441 Saw Mill River Road, Yonkers, NY 10701 (914) 476-9000

MODEL No:	6477
ISSUED:	1-87
REVISED:	11-04

RECESSED TOILET SEAT COVER DISPENSER



SPECIFICATION

Recessed Toilet Seat Cover Dispenser shall hold and dispense 500 standard single or half-fold paper toilet seat covers contained in supply box and shall have cabinet, frame and door fabricated of alloy 18-8 stainless steel, type 304. Cabinet shall be Nº20 gauge with a 1″ (25mm) wide perimeter return to lay flat against wall or partition. Door shall be fabricated of 18 gauge with a 1/2″ (13mm) square return to wall with no open seams visible on door face. Door shall be attached to top of cabinet with a full length 3/16″ (5mm) dia. stainless steel multi-staked piano hinge and shall be held closed with a tumbler lock keyed alike to other ASI washroom equipment. All exposed surfaces shall be Nº 4 satin finish and shall be protected during shipment with a PVC film easily removable after installation. Cover dispensing slot shall have a fully deburred flat edge for snag-free dispensing and user safety. Structural assembly of cabinet and door components shall be of welded construction and shall have no exposed fasteners or welded seams.

Recessed Toilet Seat Cover Dispenser shall be Model Nº 6477 as manufactured by American Specialties, Inc., 441 Saw Mill River Road, Yonkers, New York 10701-4913

INSTALLATION

Unit is mounted in wall recess using Nº 10 self tapping screws (by others). Mounting holes are provided in side and rear walls of cabinet and are accessible through door for installation. Note that top of dispenser slot is 2-1/2″ (64mm) below top of rough wall opening.

Rough Wall Opening required is.... 15-3/4″W x 11-1/2″H x 2-1/2″D. (400mm x 292mm x 64mm).

OPERATION

Covers are self-feeding until supply is depleted. Unit is manually reloaded with a full box through access door on schedule determined by maintenance requirements.

THIS MANUFACTURER RESERVES THE RIGHT TO MAKE CHANGES IN DESIGN OR DIMENSIONS WITHOUT FORMAL NOTICE

Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-805-BW_RR

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Feminine Napkin Disposal
Item Type	Recessed Sanitary Napkin Disposal
Description	Recessed sanitary napkin disposal.
Manufacturer	Bobrick Washroom Equipment, Inc
Model	B-353
Dimensions	17 3/16" x 12 3/4" x 3 15/16"
Color	Stainless Steel
Finish	Satin
CSI #	102800 - Toilet, Bath, and Laundry Accessories
Omniclass #	22-102800 Toilet, Bath, and Laundry Accessories
Part of an Assembly	N

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Bobrick
Contact Name: Scott Liss
Phone: (704) 405-0667
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ALTERNATE MANUFACTURER 2

Vendor Name: GAMCO, Inc, a Division of Bobrick
Contact Name:
Phone: (580) 924-8066
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 4

AREAS

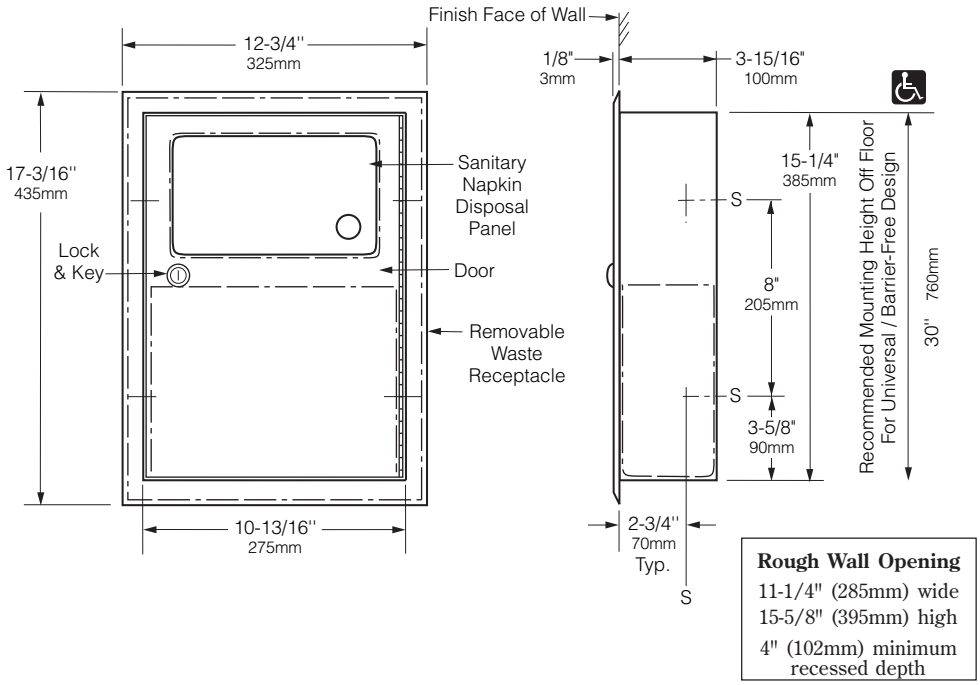
Public Restrooms
Employee Areas

BOBRICK

Technical Data

RECESSED SANITARY NAPKIN DISPOSAL

B-353



Rough Wall Opening
11-1/4" (285mm) wide
15-5/8" (395mm) high
4" (102mm) minimum recessed depth

MATERIALS:

Cabinet — 18-8 S, type-304, heavy-gauge stainless steel. All-welded construction. Exposed surfaces have satin finish.

Flange — 18-8 S, type-304, 22-gauge (0.8mm) stainless steel with satin finish. Drawn and beveled, one-piece, seamless construction.

Door — 18-8 S, type-304, 22-gauge (0.8mm) stainless steel with satin finish. Secured to cabinet with a full-length stainless steel piano-hinge. Equipped with a tumbler lock keyed like other Bobrick washroom accessories.

Disposal Panel — 18-8 S, type-304, 22-gauge (0.8mm) stainless steel with satin finish. Bottom edge hemmed for safety. Secured to door with a spring-loaded, full-length stainless steel piano-hinge. Equipped with an international graphic symbol identifying sanitary napkin disposal.

Waste Receptacle — Leak-proof, rigid molded polyethylene. Removable for servicing. Capacity: 1.2 gal. (4.6 L).

OPERATION:

Unit is equipped with a self-closing panel covering disposal opening. Napkin disposal is emptied by opening door with furnished key and removing waste receptacle. Disposable paper liners for the receptacle are available as an optional accessory: order Bobrick Part No. 353-12.

INSTALLATION:

Provide framed rough wall opening 11-1/4" wide x 15-5/8" high (285 x 395mm). Minimum recessed depth required from finish face of wall is 4" (102mm). Allow clearance for construction features that may protrude into rough wall opening from opposite wall. Coordinate with mechanical engineer to avoid pipes, vents, and conduits. Mount unit in wall opening with shims between framing and cabinet at all points indicated by an *S*, then secure unit with four #8 x 1-1/4" (4.2 x 32mm) sheet-metal screws (not furnished).

SPECIFICATION:

Recessed sanitary napkin disposal shall be type-304 stainless steel with all-welded construction; exposed surfaces shall have satin finish. Door shall be secured to cabinet with a full-length stainless steel piano-hinge and equipped with a tumbler lock keyed like other Bobrick washroom accessories. Unit shall have a self-closing panel covering disposal opening. Panel shall have bottom edge hemmed for safety, be secured to door with a spring-loaded, full-length stainless steel piano-hinge, and equipped with an international graphic symbol identifying sanitary napkin disposal. Unit shall be furnished with a removable, leak-proof molded polyethylene receptacle. Receptacle shall have a capacity of 1.2 gal. (4.6 L). Manufacturer's service and parts manual shall be provided to the building owner/manager upon completion of project.

Recessed Sanitary Napkin Disposal shall be Model B-353 of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.

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Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

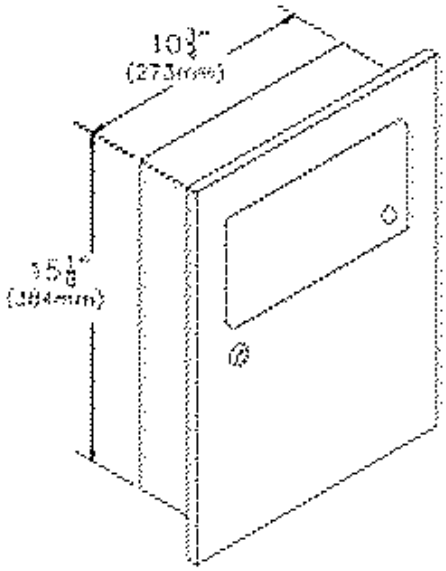
TA-805-GA_RR

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Feminine Napkin Disposal
Item Type	Recessed Sanitary Napkin Disposal
Description	Wall mounted recessed sanitary napkin disposal.
Manufacturer	GAMCO, Inc, A Bobrick Company
Model	ND-4
Dimensions	12 3/4" x 17 1/8"
Color	Stainless Steel
Finish	Satin
CSI #	102800 - Toilet, Bath, and Laundry Accessories
Omniclass #	22-102800 Toilet, Bath, and Laundry Accessories
Part of an Assembly	N



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: GAMCO, Inc, a Division of Bobrick
Contact Name:
Phone: (580) 924-8066
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Bobrick
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ALTERNATE MANUFACTURER 3

Vendor Name: Lixil - Grohe, American Standard, DXV
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Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 4

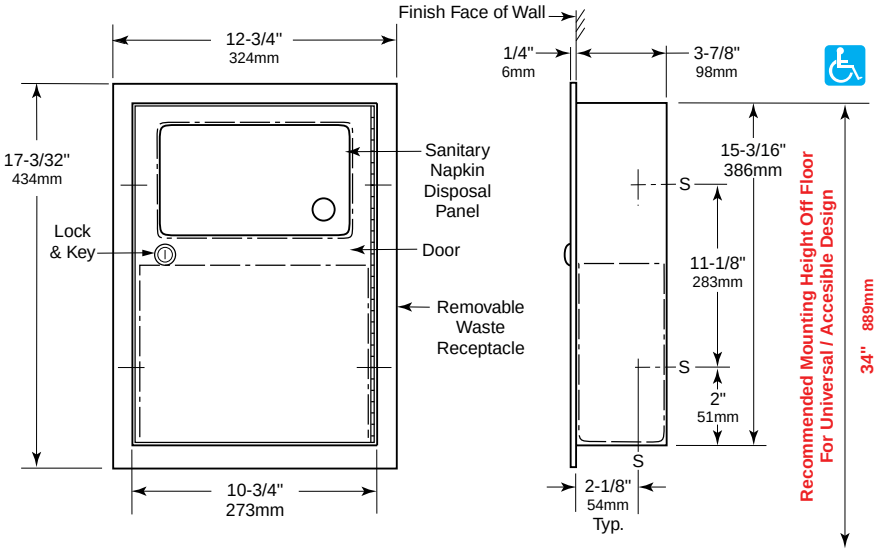
AREAS

Public Restrooms
Employee Areas

GAMCO
Commercial Restroom Accessories
Technical Data

RECESSED SANITARY NAPKIN DISPOSAL

ND-4



Rough Wall Opening
11" (279mm) wide
15-7/16" (392mm) high
3-15/16" 100mm) minimum recessed depth

MATERIALS:

Cabinet — 18-8, Type-304, heavy-gauge stainless steel. All-welded construction. Exposed surfaces have satin finish.

Flange — 18-8, Type-304, 22-gauge (0.8mm) stainless steel with satin finish. One-piece, seamless construction with 1/4" (6mm) return for rigidity.

Door — 18-8, Type-304, 18-gauge (1.2mm) stainless steel with satin finish. Secured to cabinet with a full-length stainless steel piano-hinge. Equipped with a tumbler lock keyed like other Gamco restroom accessories.

Disposal Panel — 18-8, Type-304, 22-gauge (0.8mm) stainless steel with satin finish. Secured to door with a spring-loaded, full-length stainless steel piano-hinge. Equipped with an international graphic symbol identifying sanitary napkin disposal.

Waste Receptacle — Leak-proof, rigid molded polyethylene. Removable for servicing. Capacity: 1.2-gal. (4.6-L).

OPERATION:

Unit is equipped with a self-closing panel covering disposal opening. Napkin disposal is emptied by opening door with furnished key and removing waste receptacle.

INSTALLATION:

Provide framed rough wall opening 10-3/4" wide x 15-3/16" high (273 x 386mm). Minimum recessed depth required from finish face of wall is 3-15/16" (100mm). Allow clearance for construction features that may protrude into rough wall opening from opposite wall. Coordinate with mechanical engineer to avoid pipes, vents, and conduits. Mount unit in wall opening with shims between framing and cabinet at all points indicated by an *S*, then secure unit with four #8 x 1-1/4" (4.2 x 32mm) sheet-metal screws (not furnished).

SPECIFICATION:

Recessed sanitary napkin disposal shall be Type-304 stainless steel with all-welded construction; exposed surfaces shall have satin finish. Door shall be secured to cabinet with a full-length stainless steel piano-hinge and equipped with a tumbler lock keyed like other Gamco restroom accessories. Unit shall have a self-closing panel covering disposal opening. Panel shall be secured to door with a spring-loaded, full-length stainless steel piano-hinge, and equipped with an international graphic symbol identifying sanitary napkin disposal. Unit shall be furnished with a removable, leak-proof molded polyethylene receptacle. Receptacle shall have a capacity of 1.2-gal. (4.6-L).

Recessed Sanitary Napkin Disposal shall be Model ND-4 of Gamco Commercial Restroom Accessories, One Gamco Place, Durant, OK, 74701-1910

The illustrations and descriptions herein are applicable to production as of the date of this Technical Data Sheet.
The manufacturer reserves the right to, and does from time to time, make changes and improvements in designs and dimensions.

Revised 8/27/18 Printed in U.S.A.
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Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-805-LI_RR

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Feminine Napkin Disposal
Item Type	Recessed Sanitary Napkin Disposal
Description	Recessed sanitary napkin disposal
Manufacturer	American Specialties, Inc (Lixil Parent Company)
Model	0473
Dimensions	13" x 17 1/4" x 4"
Color	Stainless Steel
Finish	Satin
CSI #	102800 - Toilet, Bath, and Laundry Accessories
Omniclass #	22-102800 Toilet, Bath, and Laundry Accessories
Part of an Assembly	N

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 2

Vendor Name: Bobrick
Contact Name: Scott Liss
Phone: (704) 405-0667
Email: scottl@repsouth.com

ALTERNATE MANUFACTURER 3

Vendor Name: GAMCO, Inc, a Division of Bobrick
Contact Name:
Phone: (580) 924-8066
Email:

ALTERNATE MANUFACTURER 4

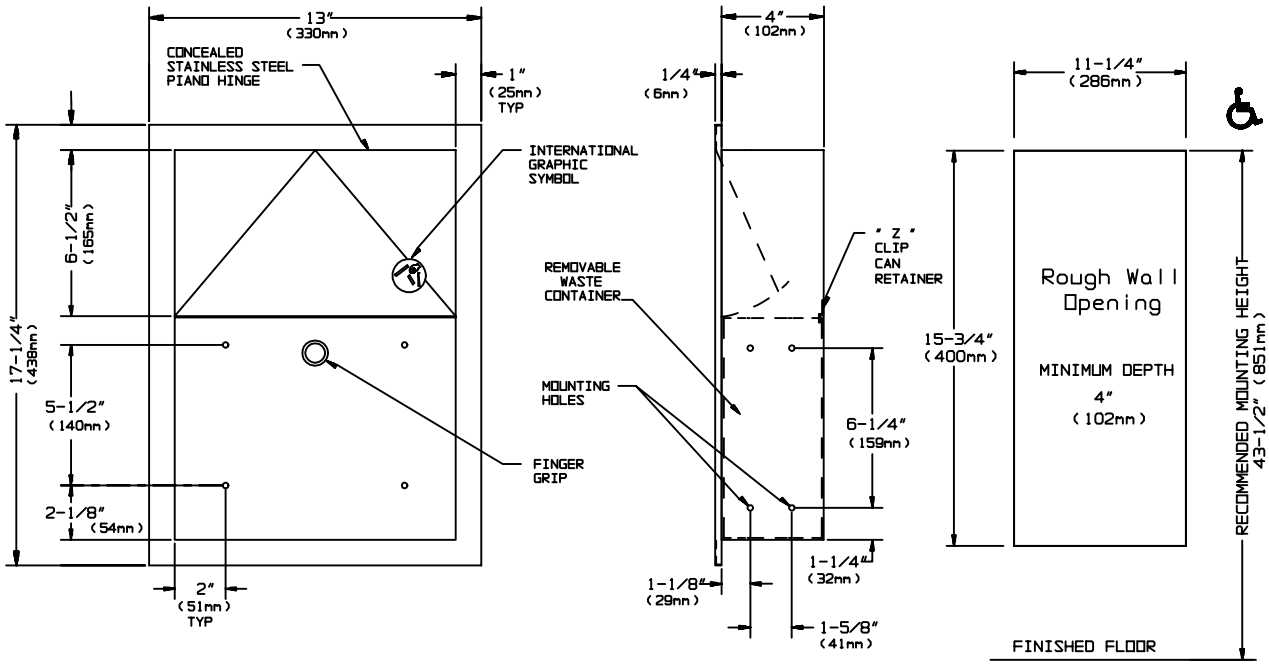
AREAS

Public Restrooms
Employee Areas

AMERICAN SPECIALTIES, INC.
441 Saw Mill River Road, Yonkers, NY 10701 (914) 476-9000

MODEL No:	0473
ISSUED:	1-87
REVISED:	9-04

RECESSED SANITARY NAPKIN DISPOSAL



SPECIFICATION

Recessed Sanitary Napkin Disposal shall hold 1.5gal (5.7 liters) of dry solids. Upper door, waste container and cabinet frame shall be fabricated of alloy 18-8 stainless steel, type 304, 22 gauge. Structural assembly of body and door components shall be of welded construction. Upper door shall be hung on cabinet with a stainless steel spring hinge and have the international waste symbol on face. All exposed surfaces shall have a № 4 satin finish and be protected during shipment with a PVC film that shall be easily removable after installation. Face trim shall be of one piece construction 1" (25.4mm) wide with no welded miters and shall have square 1/4" (6.35mm) return to wall..

Recessed Sanitary Napkin Disposal shall be Model № 0473 as manufactured by American Specialties, Inc., 441 Saw Mill River Road, Yonkers, New York 10701-4913

INSTALLATION

Unit is mounted in wall recess using № 10 self tapping screws (by others) through concealed mounting holes provided. Note that top of rough wall opening is 3/4" (19mm) below top of unit.

Rough Wall Opening required is……..11-1/4" W x 15-3/4" H x 4" D. minimum (286mm x 400mm x 102mm)

OPERATION

Users push door to deposit waste material. Door is self-closing. Unit is emptied by removing can and removing disposable waxed waste paper bag which is furnished by others. Waste container is held in place by a "Z" clip retainer to prevent inadvertent dumping of contents. Safety-edged finger grip provides convenient grip for service.

THIS MANUFACTURER RESERVES THE RIGHT TO MAKE CHANGES IN DESIGN OR DIMENSIONS WITHOUT FORMAL NOTICE

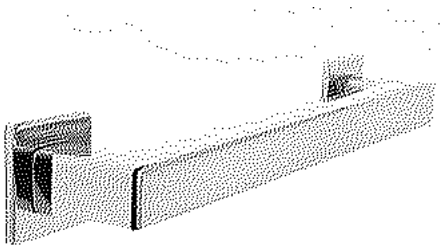
Public Restroom Accessible Stall

Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-101-PB_RR ACC

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Grab Bar
Item Type	Grab Bar 18"
Description	18" stainless steel grab bar with rounded edges.
Manufacturer	Preferred Bath Accessories, Inc.
Model	8018-BP
Dimensions	1.25" x 1.25" x 18"
Finish	Bright Polished
Material Composition	Stainless Steel
CSI #	102800 - Toilet, Bath, and Laundry Accessories
Omniclass #	22-102800 Toilet, Bath and Laundry Specialties
Part of an Assembly	N
Warranty	Parts Warranty - Limited Lifetime

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Preferred Bath Acessories, Inc
Contact Name: Joe Atkins
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Email: jatkins@preferredbathinc.com

ALTERNATE MANUFACTURER 2

Vendor Name: WINGITS
Contact Name: Billy Mac
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Email: billymac@wingits.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms

8000 SQUARED COLLECTION DECORATIVE GRAB BARS

METICULOUSLY DESIGNED WITH THE USER IN MIND

sales@preferredbathinc.com
www.preferredbathinc.com
(336) 904-6248

100% STAINLESS STEEL CONSTRUCTION

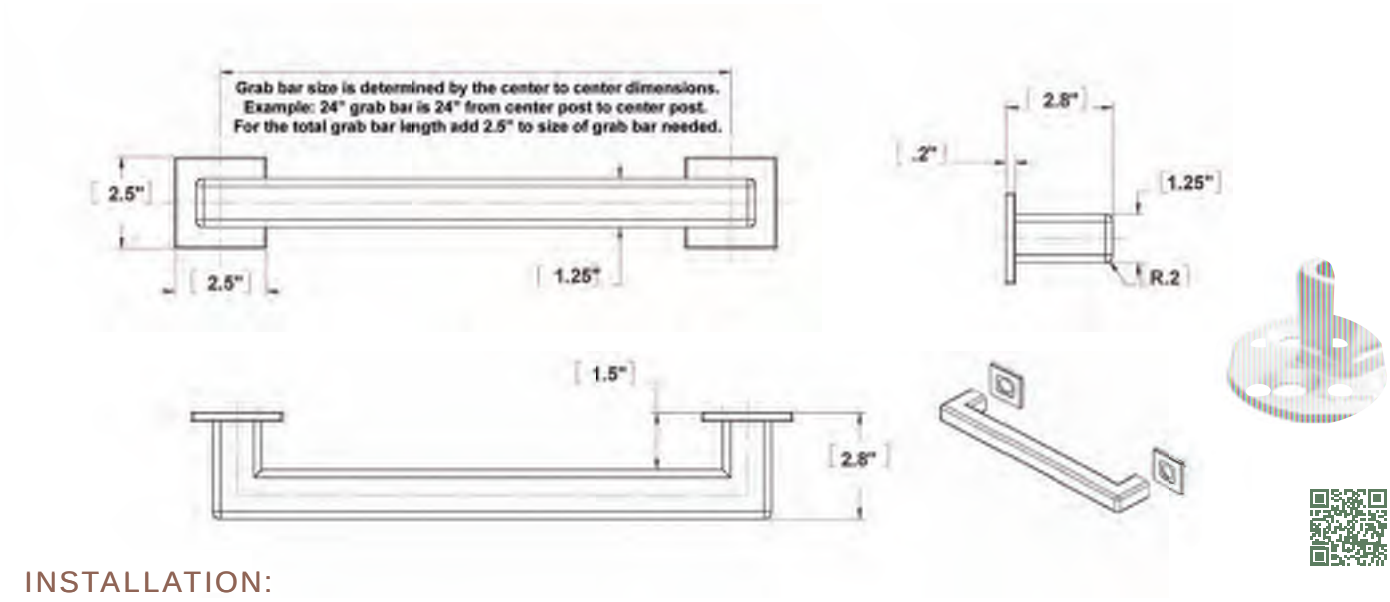
- ROUNDED EDGE 304 STAINLESS STEEL BAR
- SOLID 304 STAINLESS STEEL DECORATIVE COVER FLANGES
- ADJUSTABLE MULTI-SCREW 304 STAINLESS STEEL MOUNTING BRACKETS
- PREMIUM STAINLESS STEEL MOUNTING HARDWARE

SOFT TO THE TOUCH EDGES

- INCREASES THE GRIPPABLE SURFACE AREA OF THE PRODUCT. PROVIDING BETTER GRIP, COMFORT AND SAFETY
- MEETS AND EXCEEDS ANSI REQUIREMENTS FOR ROUNDED EDGES ON SQUARE GRAB BARS

EXCEEDS ADA & ANSI REQUIREMENTS

.. RT NUMBERS	FINISH
8012-BP	BRIGHT POLISHED
8016-BP	BRIGHT POLISHED
8018-BP	BRIGHT POLISHED
8024-BP	BRIGHT POLISHED
8036-BP	BRIGHT POLISHED
8042-BP	BRIGHT POLISHED
8048-BP	BRIGHT POLISHED
8012-SS	SATIN STAINLESS
8016-SS	SATIN STAINLESS
8018-SS	SATIN STAINLESS
8024-SS	SATIN STAINLESS
8036-SS	SATIN STAINLESS
8042-SS	SATIN STAINLESS
8048-SS	SATIN STAINLESS



INSTALLATION:

Attach mounting bracket to the wall with the provided screws. Slide flange and grab bar over the wall bracket and secure with provided stainless steel set screws. This grab bar has been designed to be secured to the wall with at least two screws per mounting bracket giving you the strongest squared decorative grab bar on the market. It also has .20” of adjust-ability for an easy installation.

WOOD BLOCKING REQUIRED FOR COMMERCIAL APPLICATION

Limited Warranty:
Preferred Bath Accessories Inc. warrants to the purchaser that the product will be free from defects in material and workmanship. If the product does not comply with this warranty, Preferred Bath Accessories Inc. will repair or replace the product or, at Preferred Bath Accessories Inc’s. option, refund the purchase price. The limited warranty period is for the lifetime of the product. Limitations on the Warranty: The warranty does not cover, normal wear and tear, product abuse, neglect, improper installation or maintenance. Purchaser Requirements: If this product does not meet Preferred Bath Accessories Inc’s. warranty, return the product (postage prepaid) to the place of purchase with proof of purchase and a written claim briefly describing the defect. You may be required to provide other information or evidence of the defect.

VERSA MOUNTING BRACKET ™

THE STRONGEST MOST VERSATILE MOUNTING SYSTEM ON THE MARKET

sales@preferredbathinc.com
www.preferredbathinc.com
(336) 904-6248

BENEFITS AND FEATURES

MATERIAL COMPOSITION

SOLID INVESTMENT GRADE CAST 304 STAINLESS STEEL

KEY FEATURES

ONLY A SMALL 1/2IN HOLE NEEDED TO USE THE SNAPTOGGLE® DRYWALL ANCHOR
CAN BE USED WITH MULTIPLE ANCHORS OR SCREWS TOGETHER OR SEPARATE

VERSA MOUNTING BRACKET ™ | WOOD MOUNTED

METHOD ONE | ONE SCREW WOOD MOUNT

ONE STAINLESS STEEL MOUNTING SCREW USING THE CENTER MOUNTING HOLE

METHOD TWO | TWO SCREW WOOD MOUNT

TWO STAINLESS STEEL MOUNTING SCREWS USING ANY OF THE FOUR OUTSIDE MOUNTING HOLES
SUPERIOR STRENGTH FOR GRAB BAR INSTALLATION

METHOD THREE | ONE SNAPTOGGLE® DRYWALL ANCHOR

ONE SNAPTOGGLE® DRYWALL ANCHOR USING THE CENTER MOUNTING HOLE

METHOD FOUR | TWO SNAPTOGGLE® DRYWALL ANCHORS

TWO SNAPTOGGLE® DRYWALL ANCHORS USING ANY OF THE FOUR OUTSIDE MOUNTING HOLES

METHOD FIVE | ONE SNAPTOGGLE® DRYWALL ANCHOR AND ONE SCREW WOOD MOUNT

ONE SNAPTOGGLE® DRYWALL ANCHOR CAN BE USED WITH ONE STAINLESS STEEL MOUNTING SCREW DRIVEN INTO A WALL STUD OR BLOCKING

Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-101-WI_RR ACC

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Grab Bar
Item Type	Grab Bar 18"
Description	SIMPLE Squared 18" grab bar with chamfered edges.
Manufacturer	WingIts
Model	WGB5SMPSQPS18
Dimensions	2" x 2.75" x 18"
Finish	Bright (Polished)
Material Composition	18/8 (304) Stainless Steel
CSI #	102800 - Toilet, Bath, and Laundry Accessories
Omniclass #	22-102800 Toilet, Bath and Laundry Specialties
Part of an Assembly	N
Warranty	10 Year Warranty

SPECIAL INSTRUCTIONS
Wood blocking preferred. Use GBWME40 if blocking is not available.

MANUFACTURER

Vendor Name: WINGITS
Contact Name: Billy Mac
Phone: (540) 692-1102
Email: billymac@wingits.com

ALTERNATE MANUFACTURER 2

Vendor Name: Preferred Bath Acessories, Inc
Contact Name: Joe Atkins
Phone: (336) 575-0080
Email: jatkins@preferredbathinc.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms

WINGITS®

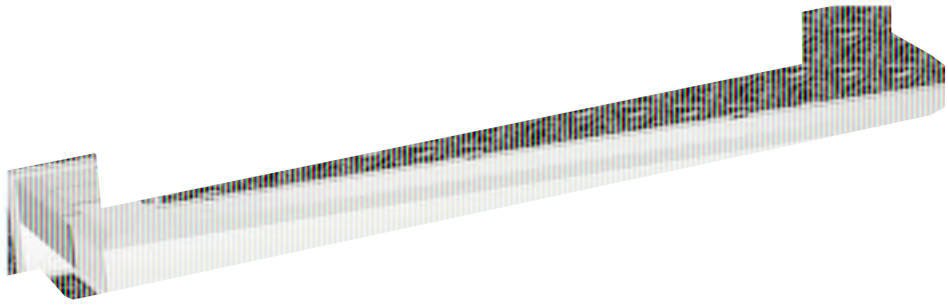
SIMPLE Squared™

Chamfered Stainless Steel Grab Bar

Model:
WGB5SMPSQ

Part Numbers:

WGB5SMPSQPS6 6" Polished Finish	**WGB5SMPSQSN6** 6" Satin Finish
WGB5SMPSQPS8 8" Polished Finish	**WGB5SMPSQSN8** 8" Satin Finish
WGB5SMPSQPS12 12" Polished Finish	**WGB55SMPSQSN12** 12" Satin Finish
WGB5SMPSQPS16 16" Polished Finish	**WGB5SMPSQSN16** 16" Satin Finish
WGB5SMPSQPS18 18" Polished Finish	**WGB5SMPSQSN18** 18" Satin Finish
WGB5SMPSQPS24 24" Polished Finish	**WGB5SMPSQSN24** 24" Satin Finish
WGB5SMPSQPS30 30" Polished Finish	**WGB5SMPSQSN30** 30" Satin Finish
WGB5SMPSQPS32 32" Polished Finish	**WGB5SMPSQSN32** 32" Satin Finish
WGB5SMPSQPS36 36" Polished Finish	**WGB5SMPSQSN36** 36" Satin Finish
WGB5SMPSQPS42 42" Polished Finish	**WGB5SMPSQSN42** 42" Satin Finish
WGB5SMPSQPS48 48" Polished Finish	**WGB5SMPSQSN48** 48" Satin Finish



Chamfered Edges

Wall

Features:

- Beauty, Functionality & Durability
- Meets or Exceeds all Building Codes, ADA Criteria, 2010 ADAAG and 2017 ANSI Standards
- Install into Adequate Structural Blocking or with WINGITS® Patented Designer Grab Bar Fasteners GBWME40 (Rated up to 600lb in drywall with tile)
- LIFETIME Product Warranty

MECHANICAL DATA
Length: see part number **Height**: 2" (51mm) **Depth**: 2.75" (70mm) **Tube Diameter**: 1.25" (32mm)
COMPOSITION
18-8 (304) Stainless Steel
INSTALLATION
Includes Stainless Steel Screws to Install into **Adequate Structural Blocking**. Includes 3M® VHB Waterproof Tape. Can Be Installed with WINGITS® Fasteners when blocking is not available.
RECOMMENDED INTEGRATION
Install into **Adequate Structural Blocking** or with WINGITS® Fasteners. WINGITS® SIMPLE Squared™ design is available in all Bath Accessories.

Toll Free: 877-894-6448 www.wingits.com sales@wingits.com

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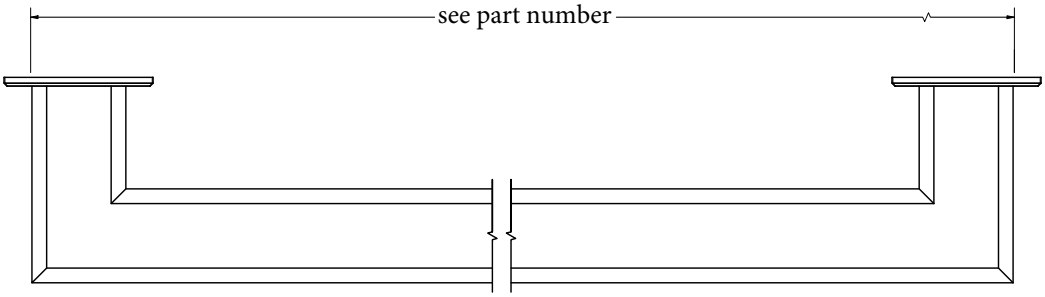
Top



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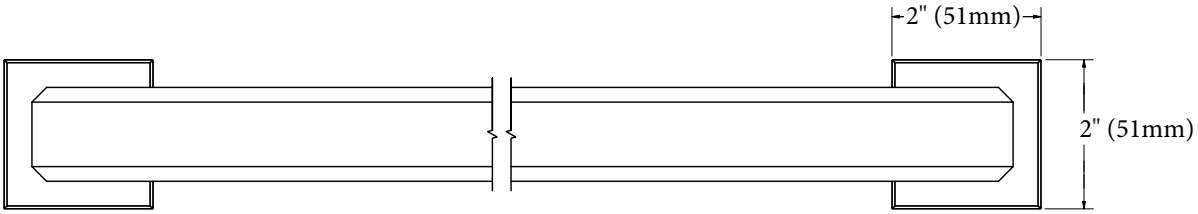

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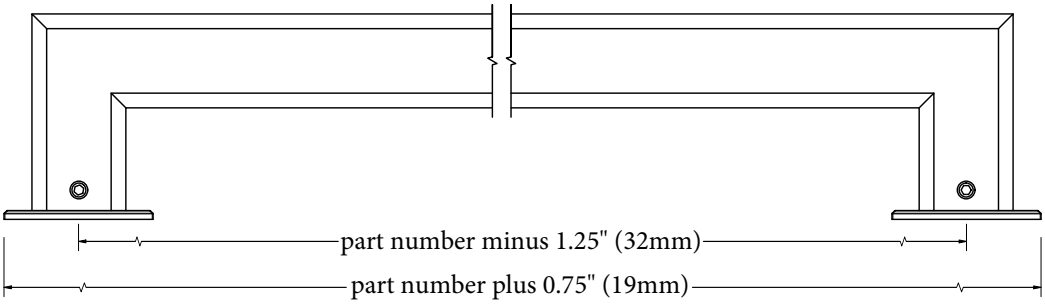

Side

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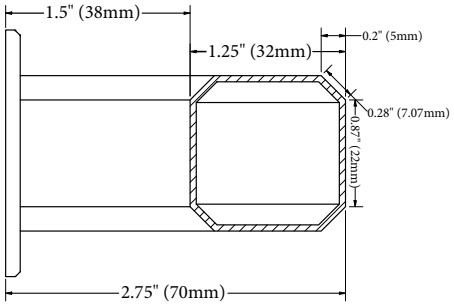
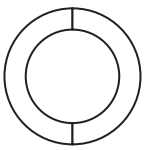
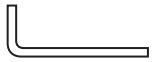


Included Hardware



3M® Waterproof Tape (2)

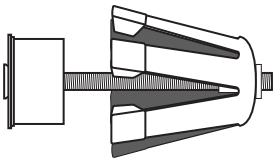
Large S/S Screw (2)



Allen Wrench (1)

Set Screw (2)

Optional Hardware
(Sold Separately)



WINGITS® Patented Designer Grab Bar Fastener (GBWME40) (2)

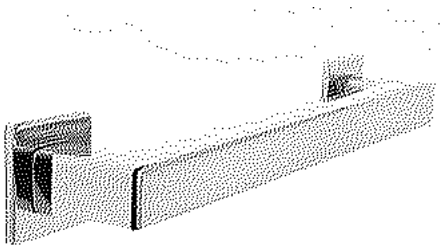
Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-102-PB_RR ACC

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Grab Bar
Item Type	Grab Bar 36"
Description	36" stainless steel grab bar with rounded edges.
Manufacturer	Preferred Bath Accessories, Inc.
Model	8036-BP
Dimensions	1.25" x 1.25" x 36"
Finish	Bright Polished
Material Composition	Stainless Steel
CSI #	102800 - Toilet, Bath, and Laundry Accessories
Omniclass #	22-102800 Toilet, Bath and Laundry Specialties
Part of an Assembly	N
Warranty	Parts Warranty - Limited Lifetime



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Preferred Bath Acessories, Inc
Contact Name: Joe Atkins
Phone: (336) 575-0080
Email: jatkins@preferredbathinc.com

ALTERNATE MANUFACTURER 2

Vendor Name: WINGITS
Contact Name: Billy Mac
Phone: (540) 692-1102
Email: billymac@wingits.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms

8000 SQUARED COLLECTION DECORATIVE GRAB BARS

METICULOUSLY DESIGNED WITH THE USER IN MIND

sales@preferredbathinc.com
www.preferredbathinc.com
(336) 904-6248

100% STAINLESS STEEL CONSTRUCTION

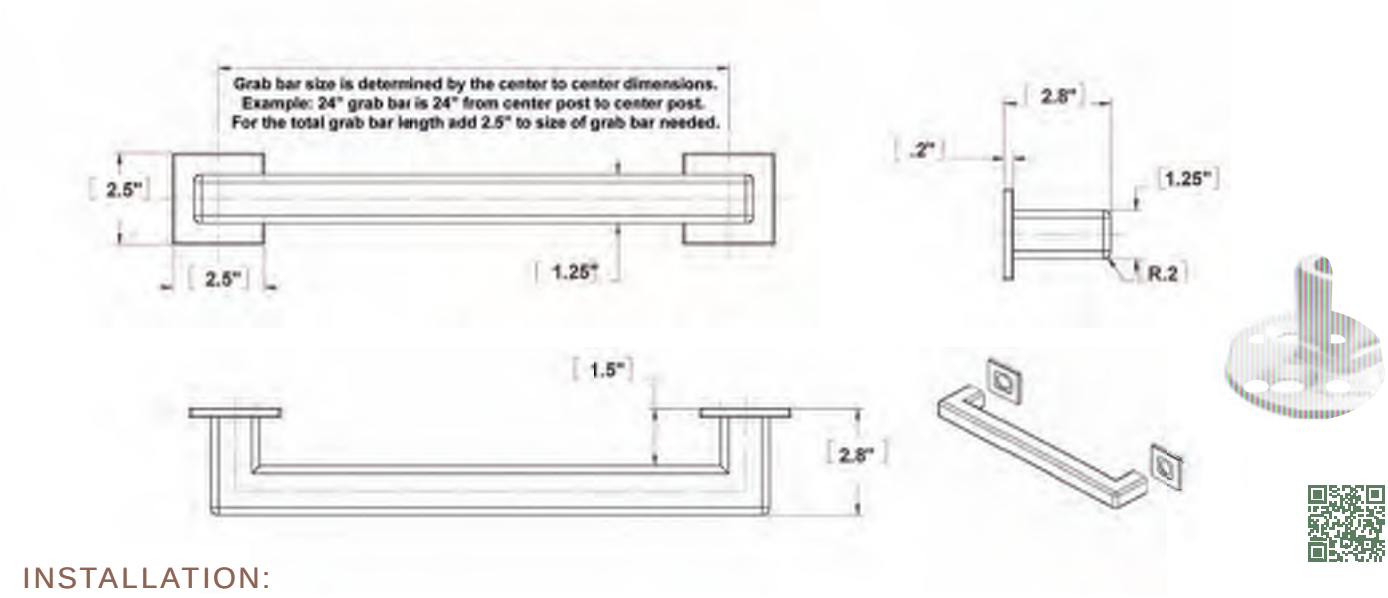
- ROUNDED EDGE 304 STAINLESS STEEL BAR
- SOLID 304 STAINLESS STEEL DECORATIVE COVER FLANGES
- ADJUSTABLE MULTI-SCREW 304 STAINLESS STEEL MOUNTING BRACKETS
- PREMIUM STAINLESS STEEL MOUNTING HARDWARE

SOFT TO THE TOUCH EDGES

- INCREASES THE GRIPPABLE SURFACE AREA OF THE PRODUCT. PROVIDING BETTER GRIP, COMFORT AND SAFETY
- MEETS AND EXCEEDS ANSI REQUIREMENTS FOR ROUNDED EDGES ON SQUARE GRAB BARS

EXCEEDS ADA & ANSI REQUIREMENTS

.. RT NUMBERS	FINISH
8012-BP	BRIGHT POLISHED
8016-BP	BRIGHT POLISHED
8018-BP	BRIGHT POLISHED
8024-BP	BRIGHT POLISHED
8036-BP	BRIGHT POLISHED
8042-BP	BRIGHT POLISHED
8048-BP	BRIGHT POLISHED
8012-SS	SATIN STAINLESS
8016-SS	SATIN STAINLESS
8018-SS	SATIN STAINLESS
8024-SS	SATIN STAINLESS
8036-SS	SATIN STAINLESS
8042-SS	SATIN STAINLESS
8048-SS	SATIN STAINLESS

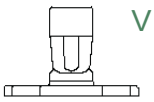


INSTALLATION:

Attach mounting bracket to the wall with the provided screws. Slide flange and grab bar over the wall bracket and secure with provided stainless steel set screws. This grab bar has been designed to be secured to the wall with at least two screws per mounting bracket giving you the strongest squared decorative grab bar on the market. It also has .20” of adjust-ability for an easy installation.

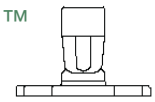
WOOD BLOCKING REQUIRED FOR COMMERCIAL APPLICATION

Limited Warranty:
Preferred Bath Accessories Inc. warrants to the purchaser that the product will be free from defects in material and workmanship. If the product does not comply with this warranty, Preferred Bath Accessories Inc. will repair or replace the product or, at Preferred Bath Accessories Inc’s. option, refund the purchase price. The limited warranty period is for the lifetime of the product. Limitations on the Warranty: The warranty does not cover, normal wear and tear, product abuse, neglect, improper installation or maintenance. Purchaser Requirements: If this product does not meet Preferred Bath Accessories Inc’s. warranty, return the product (postage prepaid) to the place of purchase with proof of purchase and a written claim briefly describing the defect. You may be required to provide other information or evidence of the defect.



VERSA MOUNTING BRACKET ™

THE STRONGEST MOST VERSATILE MOUNTING SYSTEM ON THE MARKET



sales@preferredbathinc.com
www.preferredbathinc.com
(336) 904-6248

BENEFITS AND FEATURES

MATERIAL COMPOSITION

SOLID INVESTMENT GRADE CAST 304 STAINLESS STEEL

KEY FEATURES

ONLY A SMALL 1/2IN HOLE NEEDED TO USE THE SNAPTOGGLE® DRYWALL ANCHOR
CAN BE USED WITH MULTIPLE ANCHORS OR SCREWS TOGETHER OR SEPARATE

VERSA MOUNTING BRACKET ™ | WOOD MOUNTED

METHOD ONE | ONE SCREW WOOD MOUNT

ONE STAINLESS STEEL MOUNTING SCREW USING THE CENTER MOUNTING HOLE

METHOD TWO | TWO SCREW WOOD MOUNT

TWO STAINLESS STEEL MOUNTING SCREWS USING ANY OF THE FOUR OUTSIDE MOUNTING HOLES
SUPERIOR STRENGTH FOR GRAB BAR INSTALLATION

METHOD THREE | ONE SNAPTOGGLE® DRYWALL ANCHOR

ONE SNAPTOGGLE® DRYWALL ANCHOR USING THE CENTER MOUNTING HOLE

METHOD FOUR | TWO SNAPTOGGLE® DRYWALL ANCHORS

TWO SNAPTOGGLE® DRYWALL ANCHORS USING ANY OF THE FOUR OUTSIDE MOUNTING HOLES

METHOD FIVE | ONE SNAPTOGGLE® DRYWALL ANCHOR AND ONE SCREW WOOD MOUNT

ONE SNAPTOGGLE® DRYWALL ANCHOR CAN BE USED WITH ONE STAINLESS STEEL MOUNTING SCREW DRIVEN INTO A WALL STUD OR BLOCKING

Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-102-WI_RR ACC

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Grab Bar
Item Type	Grab Bar 36"
Description	SIMPLE Squared 36" grab bar with chamfered edges.
Manufacturer	WingIts
Model	WGB5SMPSQPS36
Dimensions	2" x 2.75" x 36"
Finish	Bright (Polished)
Material Composition	18/8 (304) Stainless Steel
CSI #	102800 - Toilet, Bath, and Laundry Accessories
Omniclass #	22-102800 Toilet, Bath, and Laundry Specialties
Part of an Assembly	N
Warranty	10 Year Warranty

SPECIAL INSTRUCTIONS
Wood blocking preferred. Use GBWME40 if blocking is not available.

MANUFACTURER

Vendor Name: WINGITS
Contact Name: Billy Mac
Phone: (540) 692-1102
Email: billymac@wingits.com

ALTERNATE MANUFACTURER 2

Vendor Name: Preferred Bath Acessories, Inc
Contact Name: Joe Atkins
Phone: (336) 575-0080
Email: jatkins@preferredbathinc.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms

WINGITS®

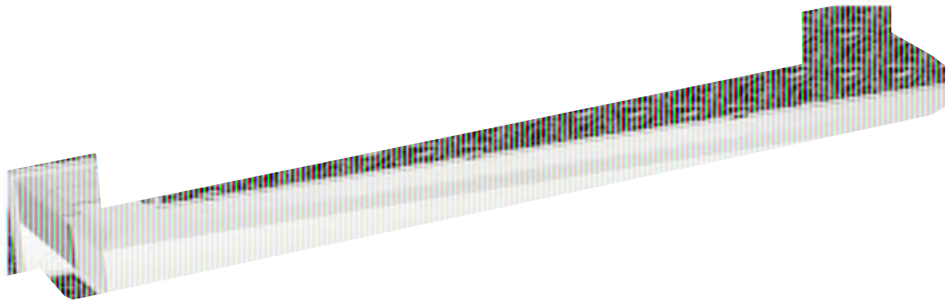
SIMPLE Squared™

Chamfered Stainless Steel Grab Bar

Model:
WGB5SMPSQ

Part Numbers:

WGB5SMPSQPS6 6" Polished Finish	**WGB5SMPSQSN6** 6" Satin Finish
WGB5SMPSQPS8 8" Polished Finish	**WGB5SMPSQSN8** 8" Satin Finish
WGB5SMPSQPS12 12" Polished Finish	**WGB55SMPSQSN12** 12" Satin Finish
WGB5SMPSQPS16 16" Polished Finish	**WGB5SMPSQSN16** 16" Satin Finish
WGB5SMPSQPS18 18" Polished Finish	**WGB5SMPSQSN18** 18" Satin Finish
WGB5SMPSQPS24 24" Polished Finish	**WGB5SMPSQSN24** 24" Satin Finish
WGB5SMPSQPS30 30" Polished Finish	**WGB5SMPSQSN30** 30" Satin Finish
WGB5SMPSQPS32 32" Polished Finish	**WGB5SMPSQSN32** 32" Satin Finish
WGB5SMPSQPS36 36" Polished Finish	**WGB5SMPSQSN36** 36" Satin Finish
WGB5SMPSQPS42 42" Polished Finish	**WGB5SMPSQSN42** 42" Satin Finish
WGB5SMPSQPS48 48" Polished Finish	**WGB5SMPSQSN48** 48" Satin Finish



Chamfered Edges

Wall

Features:

- Beauty, Functionality & Durability
- Meets or Exceeds all Building Codes, ADA Criteria, 2010 ADAAG and 2017 ANSI Standards
- Install into Adequate Structural Blocking or with WINGITS® Patented Designer Grab Bar Fasteners GBWME40 (Rated up to 600lb in drywall with tile)
- LIFETIME Product Warranty

MECHANICAL DATA
Length: see part number **Height**: 2" (51mm) **Depth**: 2.75" (70mm) **Tube Diameter**: 1.25" (32mm)
COMPOSITION
18-8 (304) Stainless Steel
INSTALLATION
Includes Stainless Steel Screws to Install into **Adequate Structural Blocking**. Includes 3M® VHB Waterproof Tape. Can Be Installed with WINGITS® Fasteners when blocking is not available.
RECOMMENDED INTEGRATION
Install into **Adequate Structural Blocking** or with WINGITS® Fasteners. WINGITS® SIMPLE Squared™ design is available in all Bath Accessories.

Toll Free: 877-894-6448 www.wingits.com sales@wingits.com

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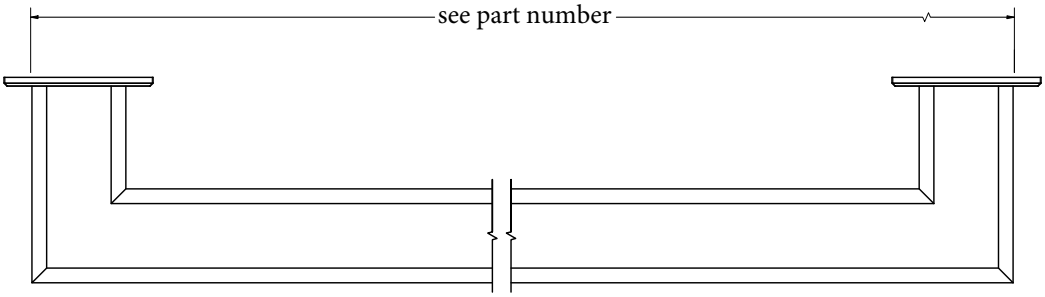
Top



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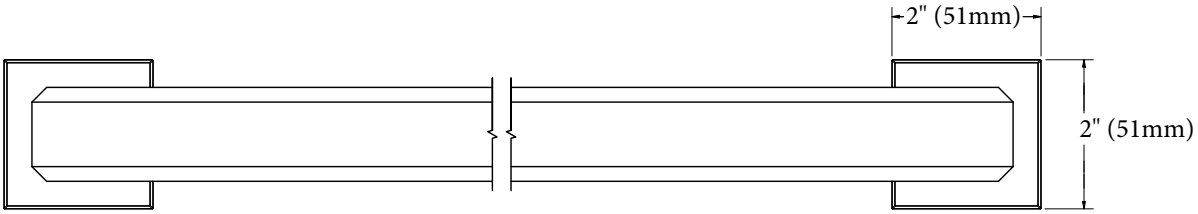

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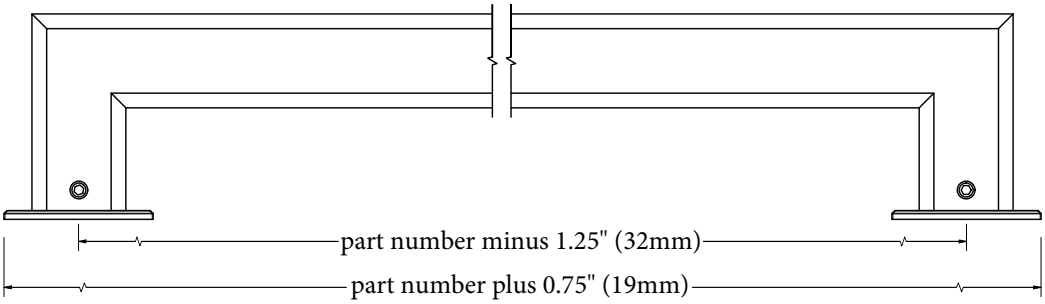

Side

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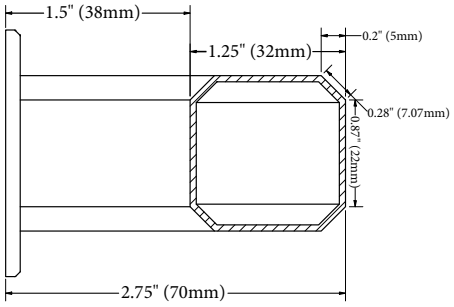
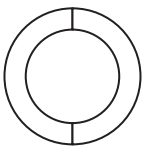
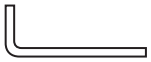


Included Hardware



3M® Waterproof Tape (2)

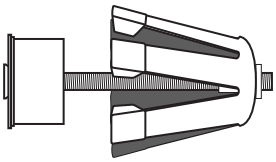
Large S/S Screw (2)



Allen Wrench (1)

Set Screw (2)

Optional Hardware
(Sold Separately)



WINGITS® Patented Designer Grab Bar Fastener (GBWME40) (2)

Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-103-PB_RR ACC

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Grab Bar
Item Type	Grab Bar 42"
Description	Stainless Steel Grab Bar
Manufacturer	Preferred Bath Accessories Inc.
Model	8042-SS, Squared Series
Dimensions	42" L x 2-3/4" Projection x 1-1/4" Diameter Tubing
Finish	Satin
Material Composition	Stainless Steel
CSI #	102800 - Toilet, Bath, and Laundry Accessories
Omniclass #	22-102800 Toilet, Bath, and Laundry Accessories
Quality Standards	Meets or Exceeds all Building Codes, ADA Criteria, ADAAG and ANSI Standards
Notes	Exceeds 250 lbs. for compliance with ADA and 300 lbs. to comply with the Commercial Building Code. Load Capacity

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Preferred Bath Acessories, Inc
Contact Name: Joe Atkins
Phone: (336) 575-0080
Email: jatkins@preferredbathinc.com

ALTERNATE MANUFACTURER 2

Vendor Name: WINGITS
Contact Name: Billy Mac
Phone: (540) 692-1102
Email: billymac@wingits.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms

8000 SQUARED COLLECTION DECORATIVE GRAB BARS

METICULOUSLY DESIGNED WITH THE USER IN MIND

sales@preferredbathinc.com
www.preferredbathinc.com
(336) 904-6248

100% STAINLESS STEEL CONSTRUCTION

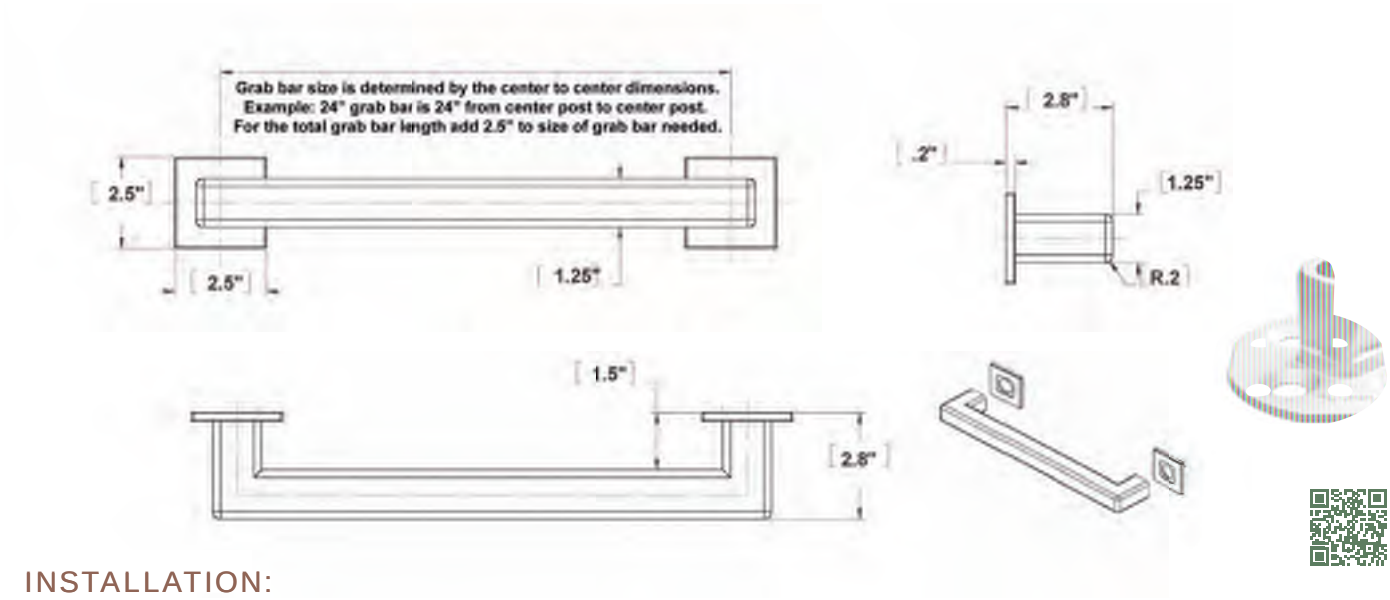
- ROUNDED EDGE 304 STAINLESS STEEL BAR
- SOLID 304 STAINLESS STEEL DECORATIVE COVER FLANGES
- ADJUSTABLE MULTI-SCREW 304 STAINLESS STEEL MOUNTING BRACKETS
- PREMIUM STAINLESS STEEL MOUNTING HARDWARE

SOFT TO THE TOUCH EDGES

- INCREASES THE GRIPPABLE SURFACE AREA OF THE PRODUCT. PROVIDING BETTER GRIP, COMFORT AND SAFETY
- MEETS AND EXCEEDS ANSI REQUIREMENTS FOR ROUNDED EDGES ON SQUARE GRAB BARS

EXCEEDS ADA & ANSI REQUIREMENTS

.. RT NUMBERS	FINISH
8012-BP	BRIGHT POLISHED
8016-BP	BRIGHT POLISHED
8018-BP	BRIGHT POLISHED
8024-BP	BRIGHT POLISHED
8036-BP	BRIGHT POLISHED
8042-BP	BRIGHT POLISHED
8048-BP	BRIGHT POLISHED
8012-SS	SATIN STAINLESS
8016-SS	SATIN STAINLESS
8018-SS	SATIN STAINLESS
8024-SS	SATIN STAINLESS
8036-SS	SATIN STAINLESS
8042-SS	SATIN STAINLESS
8048-SS	SATIN STAINLESS

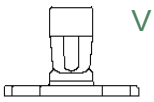


INSTALLATION:

Attach mounting bracket to the wall with the provided screws. Slide flange and grab bar over the wall bracket and secure with provided stainless steel set screws. This grab bar has been designed to be secured to the wall with at least two screws per mounting bracket giving you the strongest squared decorative grab bar on the market. It also has .20” of adjust-ability for an easy installation.

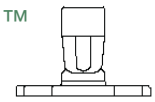
WOOD BLOCKING REQUIRED FOR COMMERCIAL APPLICATION

Limited Warranty:
Preferred Bath Accessories Inc. warrants to the purchaser that the product will be free from defects in material and workmanship. If the product does not comply with this warranty, Preferred Bath Accessories Inc. will repair or replace the product or, at Preferred Bath Accessories Inc’s. option, refund the purchase price. The limited warranty period is for the lifetime of the product. Limitations on the Warranty: The warranty does not cover, normal wear and tear, product abuse, neglect, improper installation or maintenance. Purchaser Requirements: If this product does not meet Preferred Bath Accessories Inc’s. warranty, return the product (postage prepaid) to the place of purchase with proof of purchase and a written claim briefly describing the defect. You may be required to provide other information or evidence of the defect.



VERSA MOUNTING BRACKET ™

THE STRONGEST MOST VERSATILE MOUNTING SYSTEM ON THE MARKET



sales@preferredbathinc.com
www.preferredbathinc.com
(336) 904-6248

BENEFITS AND FEATURES

MATERIAL COMPOSITION

SOLID INVESTMENT GRADE CAST 304 STAINLESS STEEL

KEY FEATURES

ONLY A SMALL 1/2IN HOLE NEEDED TO USE THE SNAPTOGGLE® DRYWALL ANCHOR
CAN BE USED WITH MULTIPLE ANCHORS OR SCREWS TOGETHER OR SEPARATE

VERSA MOUNTING BRACKET ™ | WOOD MOUNTED

METHOD ONE | ONE SCREW WOOD MOUNT

ONE STAINLESS STEEL MOUNTING SCREW USING THE CENTER MOUNTING HOLE

METHOD TWO | TWO SCREW WOOD MOUNT

TWO STAINLESS STEEL MOUNTING SCREWS USING ANY OF THE FOUR OUTSIDE MOUNTING HOLES
SUPERIOR STRENGTH FOR GRAB BAR INSTALLATION

METHOD THREE | ONE SNAPTOGGLE® DRYWALL ANCHOR

ONE SNAPTOGGLE® DRYWALL ANCHOR USING THE CENTER MOUNTING HOLE

METHOD FOUR | TWO SNAPTOGGLE® DRYWALL ANCHORS

TWO SNAPTOGGLE® DRYWALL ANCHORS USING ANY OF THE FOUR OUTSIDE MOUNTING HOLES

METHOD FIVE | ONE SNAPTOGGLE® DRYWALL ANCHOR AND ONE SCREW WOOD MOUNT

ONE SNAPTOGGLE® DRYWALL ANCHOR CAN BE USED WITH ONE STAINLESS STEEL MOUNTING SCREW DRIVEN INTO A WALL STUD OR BLOCKING

Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-103-WI_RR ACC

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Grab Bar
Item Type	Grab Bar 42"
Description	SIMPLE Squared 42" grab bar with chamfered edges.
Manufacturer	WingIts
Model	WGB5SMPSQPS42
Dimensions	2" x 2.75" x 42"
Finish	Bright (Polished)
Material Composition	18/8 (304) Stainless Steel
CSI #	102800 - Toilet, Bath, and Laundry Accessories
Omniclass #	22-102800 Toilet, Bath and Laundry Specialties
Part of an Assembly	N
Warranty	Parts Warranty - Limited Lifetime

SPECIAL INSTRUCTIONS
Wood blocking preferred. Use GBWME40 if blocking is not available.

MANUFACTURER

Vendor Name: WINGITS
Contact Name: Billy Mac
Phone: (540) 692-1102
Email: billymac@wingits.com

ALTERNATE MANUFACTURER 2

Vendor Name: Preferred Bath Acessories, Inc
Contact Name: Joe Atkins
Phone: (336) 575-0080
Email: jatkins@preferredbathinc.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms

WINGITS®

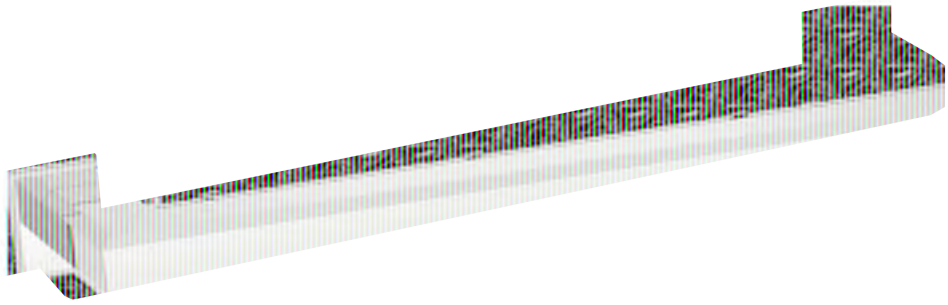
SIMPLE Squared™

Chamfered Stainless Steel Grab Bar

Model:
WGB5SMPSQ

Part Numbers:

WGB5SMPSQPS6 6" Polished Finish	**WGB5SMPSQSN6** 6" Satin Finish
WGB5SMPSQPS8 8" Polished Finish	**WGB5SMPSQSN8** 8" Satin Finish
WGB5SMPSQPS12 12" Polished Finish	**WGB55SMPSQSN12** 12" Satin Finish
WGB5SMPSQPS16 16" Polished Finish	**WGB5SMPSQSN16** 16" Satin Finish
WGB5SMPSQPS18 18" Polished Finish	**WGB5SMPSQSN18** 18" Satin Finish
WGB5SMPSQPS24 24" Polished Finish	**WGB5SMPSQSN24** 24" Satin Finish
WGB5SMPSQPS30 30" Polished Finish	**WGB5SMPSQSN30** 30" Satin Finish
WGB5SMPSQPS32 32" Polished Finish	**WGB5SMPSQSN32** 32" Satin Finish
WGB5SMPSQPS36 36" Polished Finish	**WGB5SMPSQSN36** 36" Satin Finish
WGB5SMPSQPS42 42" Polished Finish	**WGB5SMPSQSN42** 42" Satin Finish
WGB5SMPSQPS48 48" Polished Finish	**WGB5SMPSQSN48** 48" Satin Finish



Chamfered Edges

Wall

Features:

- Beauty, Functionality & Durability
- Meets or Exceeds all Building Codes, ADA Criteria, 2010 ADAAG and 2017 ANSI Standards
- Install into Adequate Structural Blocking or with WINGITS® Patented Designer Grab Bar Fasteners GBWME40 (Rated up to 600lb in drywall with tile)
- LIFETIME Product Warranty

MECHANICAL DATA
Length: see part number **Height**: 2" (51mm) **Depth**: 2.75" (70mm) **Tube Diameter**: 1.25" (32mm)
COMPOSITION
18-8 (304) Stainless Steel
INSTALLATION
Includes Stainless Steel Screws to Install into **Adequate Structural Blocking**. Includes 3M® VHB Waterproof Tape. Can Be Installed with WINGITS® Fasteners when blocking is not available.
RECOMMENDED INTEGRATION
Install into **Adequate Structural Blocking** or with WINGITS® Fasteners. WINGITS® SIMPLE Squared™ design is available in all Bath Accessories.

Toll Free: 877-894-6448 www.wingits.com sales@wingits.com

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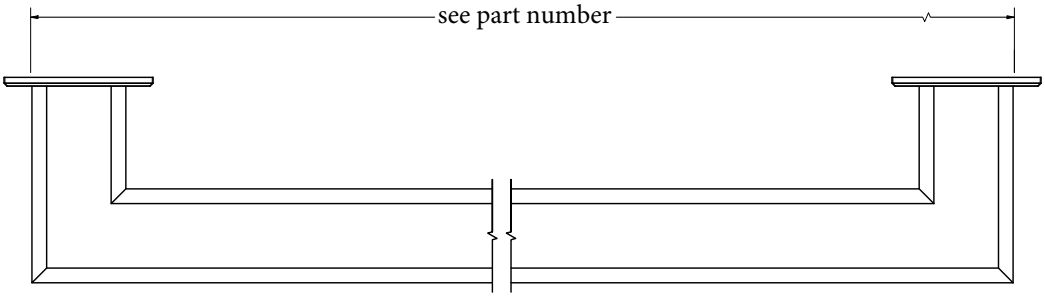
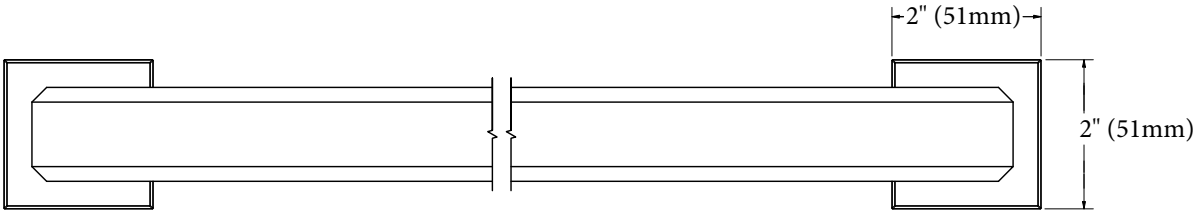
Top



Front



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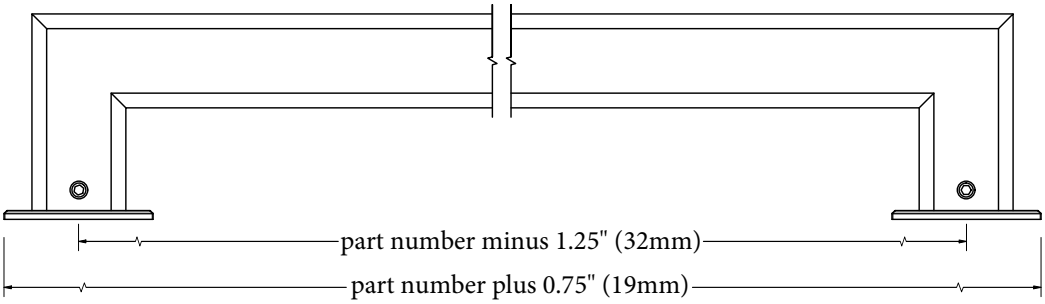

Side

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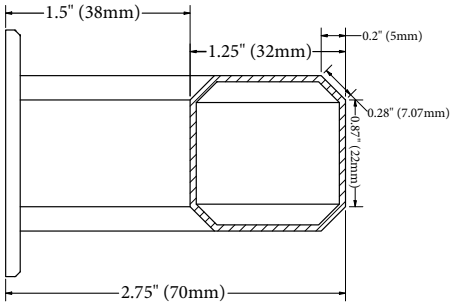
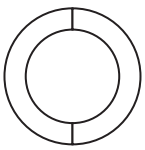
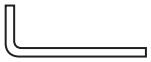


Included Hardware



3M® Waterproof Tape (2)

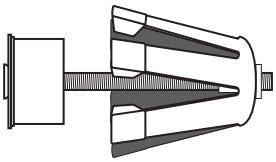
Large S/S Screw (2)



Allen Wrench (1)

Set Screw (2)

Optional Hardware
(Sold Separately)



WINGITS® Patented Designer Grab Bar Fastener (GBWME40) (2)

Employee Restroom

Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

MR-002-BW_EMP RR

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Mirror
Item Type	Mirror w/SS Frame
Description	Mirror with stainless steel frame.
Manufacturer	Bobrick Washroom Equipment
Model	B-165
Dimensions	1/2" x 1/2" frame
Color	Stainless Steel
Finish	Satin
CSI #	102800 - Toilet, Bath, and Laundry Accessories
Omniclass #	22-102800 Toilet, Bath, and Laundry Accessories
Quality Standards	Federal Spec DD-M-411C, ASTM C-1036-91
Part of an Assembly	N

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Bobrick
Contact Name: Scott Liss
Phone: (704) 405-0667
Email: scottl@repsouth.com

ALTERNATE MANUFACTURER 2

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

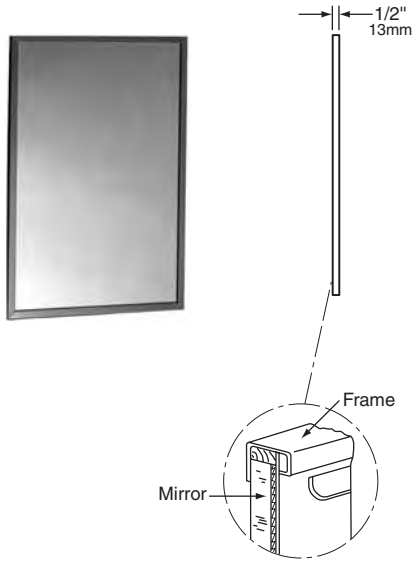
Employee Areas

BOBRICK

Technical Data

MIRROR WITH STAINLESS STEEL CHANNEL FRAME

B-165 SERIES



SNAP LOCKING DESIGN
(Rear View)

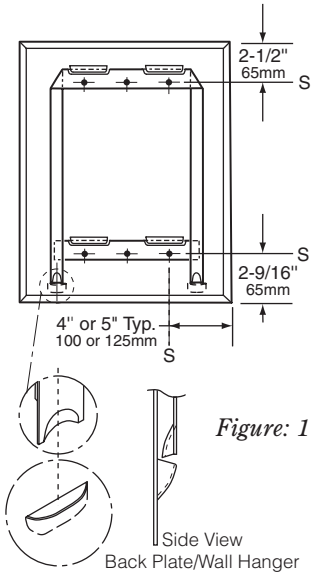


Figure: 1

STANDARD B-165 SERIES MIRRORS

MODEL NO.	OVERALL SIZE W	H
B-165 1624	16" (41cm)	24" (61cm)
B-165 1824	18" (46cm)	24" (61cm)
B-165 1830	18" (46cm)	30" (76cm)
B-165 1836	18" (46cm)	36" (91cm)
B-165 2430	24" (61cm)	30" (76cm)
B-165 2436	24" (61cm)	36" (91cm)
B-165 2448	24" (61cm)	48" (122cm)
B-165 2460	24" (61cm)	60" (152cm)

SCREW LOCKING DESIGN
(Rear View)

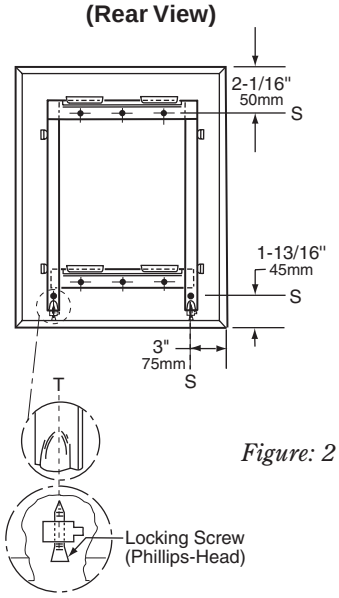


Figure: 2

STANDARD B-165 SERIES MIRRORS

MODEL NO.	OVERALL SIZE W	H
B-165 3636	36" (91cm)	36" (91cm)
B-165 4836	48" (122cm)	36" (91cm)
B-165 6036	60" (152cm)	36" (91cm)

All Other Size Mirrors

Designer's Notes:

1. Special-order sizes available on request.
2. Maximum size mirror available, 72" x 60" (183 x 152cm); minimum size, 12" x 12" (30 x 30cm).
3. All Bobrick framed mirrors are manufactured to overall width and height dimensions. EXAMPLE: A 24" x 36" (61 x 91cm) mirror will be furnished 24" x 36" (61 x 91cm) outside-of-frame to outside-of-frame.
4. To specify special sizes use Series Number followed by width then height in inches. EXAMPLE: B-165 2024.
5. Bobrick framed mirrors are manufactured to a tolerance 1/8" (3.2mm).
6. For sufficient space to lift mirror onto wall hanger(s), provide 3-1/4" (85mm) minimum clearance above center line of mounting screw holes.
7. Provide 1" (25mm) minimum clearance at bottom of mirror for engaging locking screws and 1" (25mm) clearance on each side.

MATERIALS:

Frame — Type-430 stainless steel, 1/2" x 1/2" x 3/8" (13 x 13 x 9.5mm) channel with 1/4" (6mm) return at rear with bright polished finish. One piece frame with 90 degree mitered corners. Galvanized steel back has integral horizontal hanging brackets near the top for hanging the mirror and near the bottom to prevent the bottom of the mirror from pulling away from the wall. Locking devices secure mirror to concealed wall hanger. In Screw Locking Design (see figure 2), concealed Philips-head locking screws securely fasten mirror to wall hanger.

Mirror — No. 1 quality, 1/4" (6mm) select float glass: selected for silvering, electrolytically copper-plated by the galvanic process, and guaranteed for 10 years against silver spoilage. Corners are protected by friction-absorbing filler strips; back is protected by full-size, shock-absorbing, water-resistant, nonabrasive, 3/16" (5mm) thick polyethylene padding.

Concealed Wall Hanger — 20-gauge (0.9mm) galvanized steel. Incorporates lower support member, forming rigid rectangle, which engages lower backplate louvers to keep bottom of mirror against wall.

continued . . .

The illustrations and descriptions herein are applicable to production as of the date of this Technical Data Sheet.
The manufacturer reserves the right to, and does from time to time, make changes and improvements in designs and dimensions.

Rev. 5/06 R/B Printed in U.S.A.
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INSTALLATION:

Mount wall hanger on wall with screws (furnished by manufacturer) at points indicated by an *S*. For plaster or dry wall construction, provide backing to comply with local building codes, then secure wall hanger with screws furnished. When providing a concealed backing, allow backing to cover minimum range of mounting hole locations shown on drawing. For other wall surfaces, provide fiber plugs or expansion shields for use with screws furnished, or provide 1/8" (3mm) toggle bolts or expansion bolts. Hang mirror on wall hanger with all four backplate louvers engaged behind horizontal wall hanger members. Hang mirror on wall hanger with all four backplate louvers engaged behind horizontal wall hanger members. To do this, mirror must be centered in front of the wall hanger horizontally, pressed flat against the wall approximately 1" (25mm) above final position and then lowered into final position.

Snap Locking Design — Locking devices automatically secure mirror to concealed wall hanger when it is lowered into final position. Locking devices may be unlocked by inserting two flat blade screwdrivers behind each side of mirror near the bottom or under the bottom of the mirror and pulling mirror bottom forward and then up (see figure 3).

Screw Locking Design — Lock mirror to wall hanger by tightening Phillips-head locking screws that are concealed in the bottom of frame at points indicated by a *T*. Mirror may be unlocked from wall hanger by loosening locking screws and lifting mirror off of concealed wall hanger (see figure 4).

SNAP LOCKING DESIGN
(Front View)

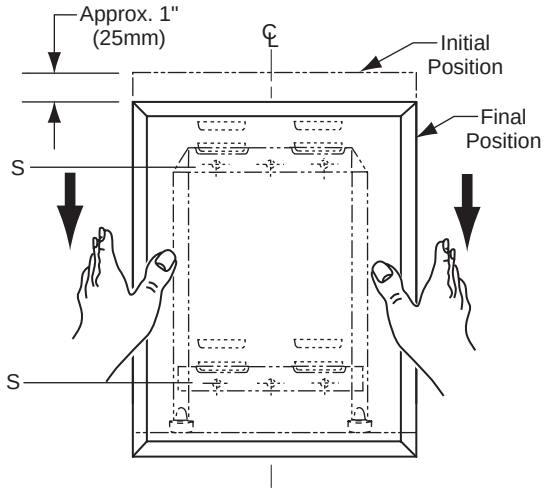

Figure: 3

SCREW LOCKING DESIGN
(Front View)

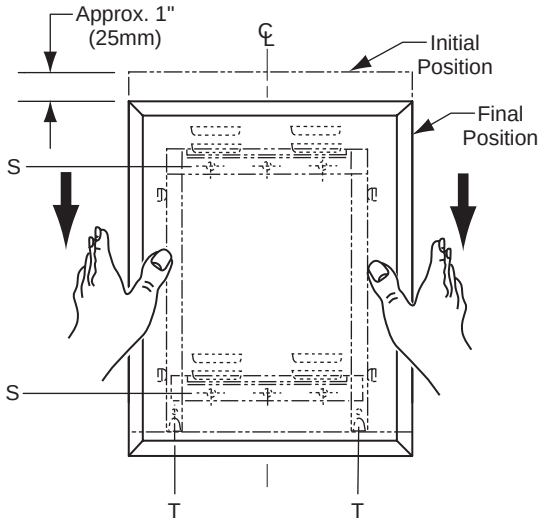

Figure: 4

SPECIFICATION:

Mirror shall have a one-piece type-430 stainless steel channel frame, 1/2" x 1/2" x 3/8" (13 x 13 x 9.5mm), with 90° mitered corners; all exposed surfaces shall have bright polished finish. Select float glass mirror shall be guaranteed for 10 years against silver spoilage. Corners shall be protected by friction-absorbing filler strips and the back shall be protected by full-size, shock-absorbing, water-resistant, nonabrasive, 3/16" (5mm) thick polyethylene padding. Galvanized steel back shall have integral horizontal hanging brackets located at top and bottom for mounting on concealed rectangular wall hanger to prevent the mirror from pulling away from the wall. Locking devices secure mirror to concealed wall hanger. Mirror shall be removable from the wall.

Framed Mirror shall be Model B-165 _____ (insert width and height) of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.

The illustrations and descriptions herein are applicable to production as of the date of this Technical Data Sheet.
The manufacturer reserves the right to, and does from time to time, make changes and improvements in designs and dimensions.

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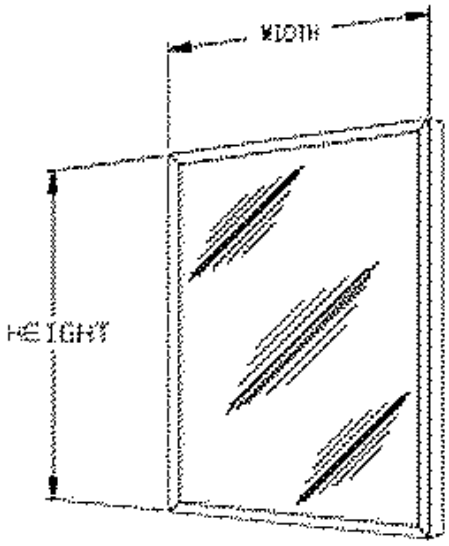
Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

MR-002-LI_EMP RR

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Mirror
Item Type	Mirror w/SS Frame
Description	Mirror with stainless steel frame.
Manufacturer	American Specialties, Inc (Lixil Parent Company)
Model	0620
Dimensions	1/2" x 1/2" Frame, 18" X 24"
Color	Stainless Steel
Finish	Satin
CSI #	102800 - Toilet, Bath, and Laundry Accessories
Omniclass #	22-102800 Toilet, Bath, and Laundry Accessories
Quality Standards	Federal Spec DD-M-411C, ASTM C-1036-91
Part of an Assembly	N



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 2

Vendor Name: Bobrick
Contact Name: Scott Liss
Phone: (704) 405-0667
Email: scottl@repsouth.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

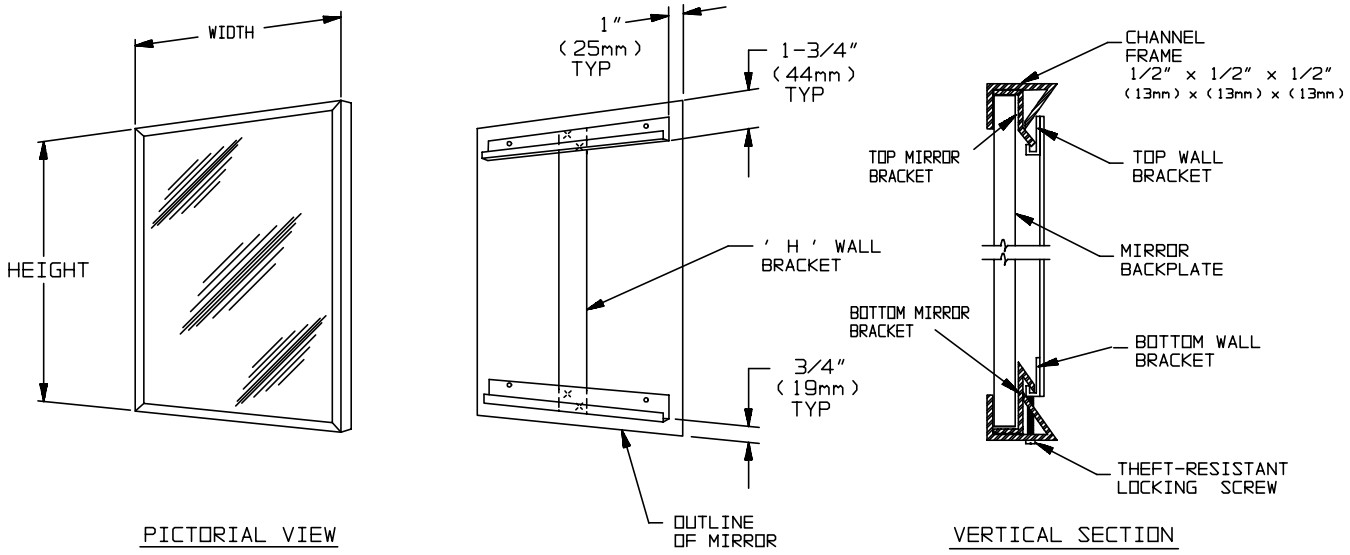
AREAS

Employee Areas

AMERICAN SPECIALTIES, *INC.*
441 Saw Mill River Road, Yonkers, NY 10701 (914) 476-9000
www.americanspecialties.com

MODEL No:	0620
ISSUED:	1-87
REVISED:	8-05

CHANNEL FRAME MIRROR



SPECIFICATION

Channel Frame Mirror shall have frame fabricated of alloy 18-8 stainless steel, type 304, 20 gauge with mitered corners. Mirror glazing shall be _____(insert glazing option) and shall be warranted for 15 years against silver spoilage. All edges of mirror shall be protected by friction and chafe absorbing fillers. Back of mirror shall be protected by full size shock-absorbing water-resistant filler and full size one piece 20 gauge corrosion protected steel. Top and bottom wall mounting brackets shall be spot welded into "H" hanger. Mirror shall be secured to lower bracket with a locking screw. Finish of unit shall be protected from marring by easily removed self adhesive polyvinyl (PVC) film.

Channel Frame Mirror shall be Model № 0620-___(insert glazing option) ___ (note size, W x H) as manufactured by American Specialties, Inc., 441 Saw Mill River Road, Yonkers, New York 10701-4913

MATERIALS

Frame: Alloy 18-8 stainless steel, type 304, 20 gauge (.036 in. <.91mm> thick) . Roll-formed one piece construction. Exposed surfaces shall have № 4 satin finish. Edges and corners are burr free.

Glass: Standard glazing is № 1 quality, 1/4″ inch (6.4mm) thick plate/float, silver coated and hermetically sealed with a uniform copper plating, and warranted against silver spoilage for 15 years. Mirrors meet Federal Spec DD-M-411C, ASTM C-1036-91.

Filler: Expanded polyethylene microcell foam sheet material, abrasion resistant and shock absorbing, water resistant, 1/8″ inch (3.2mm) total layer thickness.

FABRICATION NOTE FOR SPECIFICATION

Mirrors larger than 21sq. Ft. (1.95m^2) are fabricated in two (2) or more sections to provide installation and handling ease.

INSTALLATION

Install "H" wall brackets level and plumb per diagram location using **ONLY** № 10 Pan Head screws (by others). Hang mirror on brackets and tighten locking screw at bottom (note: this screw should be started prior to hanging mirror on wall brackets). For compliance with ADA Accessibility Guidelines, bottom edge of reflecting surface should be no higher than 40"(1016mm) above finished floor.

GLAZING OPTIONS

Units are supplied with 1/4" thick plate glass. Other glazing options are available. For a complete description of any other available glazing, see the **MIRROR GLAZING OPTIONS** chart.

Accessory Specialties AMERICAN DISPENSER **Desert Ray Products** WATROUS, INC.

THIS MANUFACTURER RESERVES THE RIGHT TO MAKE CHANGES IN DESIGN OR DIMENSIONS WITHOUT FORMAL NOTICE

Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-103-PB_EMP RR

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Grab Bar
Item Type	Grab Bar - 42"
Description	42" grab bar
Manufacturer	Preferred Bath Accessories, LLC
Model	7042-SS
Dimensions	42" x 2.76" x 1.26"
Finish	Satin
Material Composition	Stainless Steel
CSI #	102800 - Toilet, Bath, and Laundry Accessories
Omniclass #	22-102800 Toilet, Bath, and Laundry Accessories
Warranty	Lifetime limited warranty against defects.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Preferred Bath Acessories, Inc
Contact Name: Joe Atkins
Phone: (336) 575-0080
Email: jatkins@preferredbathinc.com

ALTERNATE MANUFACTURER 2

Vendor Name: WINGITS
Contact Name: Billy Mac
Phone: (540) 692-1102
Email: billymac@wingits.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

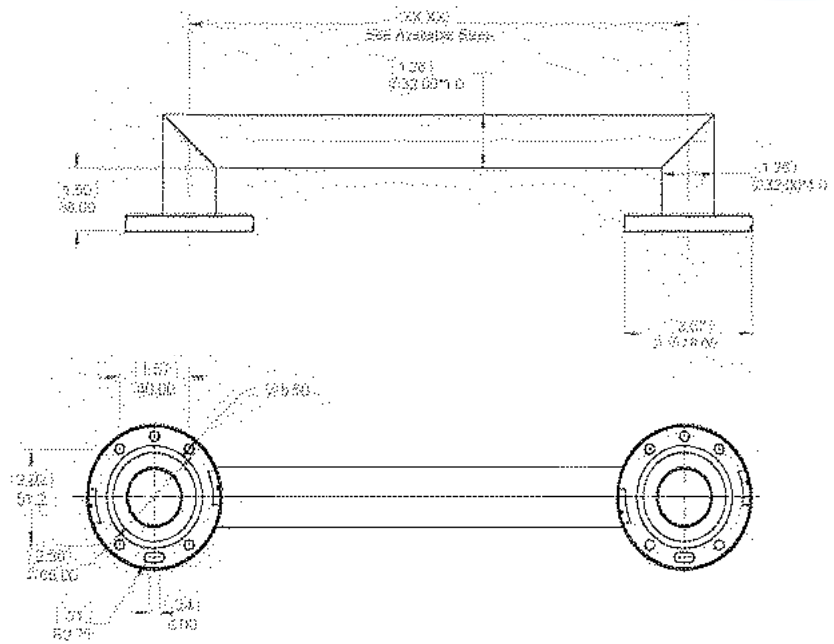
AREAS

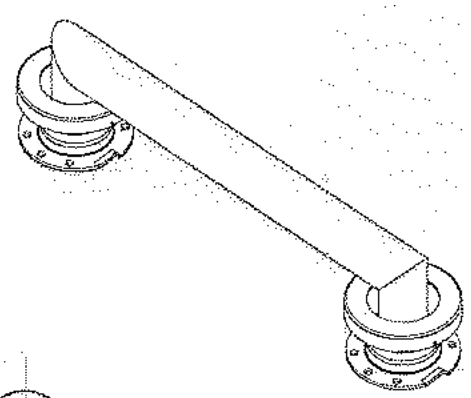
Employee Areas

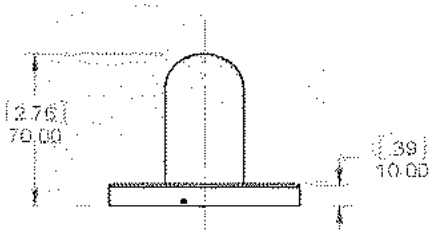
TA-103-PB_EMP RR

Preferred Bath Accessories Inc.
1031 E Mountain St. Kernersville, NC 27284
PH: 888-315-8816 FAX: 866-496-8122
www.preferredbathinc.com

7000 Fusion Series Grab Bars
Available Bright Polished Sizes: 12", 16", 18", 24", 36", 42"and 48".
Available Satin Stainless Sizes: 18", 24", 36"and 42".
TECHNICAL DATA SHEET

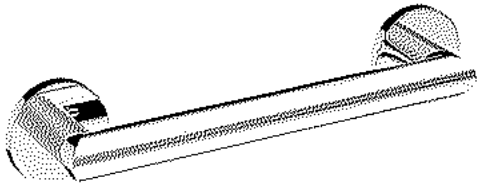






Features a strong solid welded construction. The flange and universal hole pattern has been enginered for easy installation.

Installation:
Attach grab bar to wall with provided screws. Slide flange over bracket and rotate until secure.



Materials:
- 1 - ADA Compliant Stainless Steel Grab Bar
- 4 - Stainless Steel Screws

Wood blocking preferred

Limited Warranty
Preferred Bath Accessories Inc. warrants to the purchaser that the product will be free from defects in material and workmanship. If the product does not comply with this warranty, Preferred Bath Accessories Inc. will repair or replace the product or, at Preferred Bath Accessories Inc's. option, refund the purchase price. The limited warranty period is for the lifetime of the product. Limitations on the Warranty: The warranty does not cover, normal wear and tear, product abuse, neglect, improper installation or maintenance. Purchaser Requirements: If this product does not meet Preferred Bath Accessories Inc's. warranty, return the product (postage prepaid) to the place of purchase with proof of purchase and a written claim briefly describing the defect. You may be required to provide other information or evidence of the defect.

Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-103-WI_EMP RR

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Grab Bar
Item Type	Grab Bar - 42"
Description	42" grab bar.
Manufacturer	WingIts
Model	WGB5IESN42
Dimensions	42" x 2" x 2.75"
Finish	Satin
Material Composition	Stainless Steel
CSI #	102800 - Toilet, Bath, and Laundry Accessories
Omniclass #	22-102800 Toilet, Bath, and Laundry Accessories
Accessibility Compliance	Meets or exceeds applicable building codes, ADA criteria, 2010 ADAAG, and 2009 ANSI standards.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: WINGITS
Contact Name: Billy Mac
Phone: (540) 692-1102
Email: billymac@wingits.com

ALTERNATE MANUFACTURER 2

Vendor Name: Preferred Bath Acessories, Inc
Contact Name: Joe Atkins
Phone: (336) 575-0080
Email: jatkins@preferredbathinc.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Employee Areas

WingIts® INFINITE Elegance™
Structural 18/8 Stainless Steel Grab Bar

Model:
WGB5IExx

Part Numbers:

WGB5IEPS6 6" Polished Finish	**WGB5IESN6** 6" Satin Finish
WGB5IEPS8 8" Polished Finish	**WGB5IESN8** 8" Satin Finish
WGB5IEPS12 12" Polished Finish	**WGB5IESN12** 12" Satin Finish
WGB5IEPS16 16" Polished Finish	**WGB5IESN16** 16" Satin Finish
WGB5IEPS18 18" Polished Finish	**WGB5IESN18** 18" Satin Finish
WGB5IEPS24 24" Polished Finish	**WGB5IESN24** 24" Satin Finish
WGB5IEPS30 30" Polished Finish	**WGB5IESN30** 30" Satin Finish
WGB5IEPS32 32" Polished Finish	**WGB5IESN32** 32" Satin Finish
WGB5IEPS36 36" Polished Finish	**WGB5IESN36** 36" Satin Finish
WGB5IEPS42 42" Polished Finish	**WGB5IESN42** 42" Satin Finish
WGB5IEPS48 48" Polished Finish	**WGB5IESN48** 48" Satin Finish
WGB5IEPS54* 54" Polished Finish	**WGB5IESN54*** 54" Satin Finish
WGB5IEPS60* 60" Polished Finish	**WGB5IESN60*** 60" Satin Finish

**Grab Bars include center support.*

Stainless steel screws are included to install into adequate structural blocking.

Contemporary design combines with a fully HeliArc welded construction, resulting in a Grab Bar with:

- Unparalleled strength
- Beauty
- Functionality
- Durability
- No lines for dirt to collect (maintenance free)

MECHANICAL DATA

Height: 2" (5.1cm)
Width: xx" (See product part number for width). Complete length of Grab Bar is usable surface.
Diameter: 1.25" (3.2cm)

PRODUCT COMPOSITION

Entire product is 18/8 (304) stainless steel. Solid caps and pins are HeliArc welded to 18 gauge tube.

MODALITY

Use: Wall Installation. **Load Capability:** 800 lbs. (362.9kg) when properly installed.

INSTALLATION

WingIts® INFINITE Elegance™ Structural Stainless Steel Grab Bars are designed to hold live loads and **must be installed into adequate structural blocking** or with WingIts® Grab Bar Fasteners (GBWME40).

CERTIFICATIONS

WingIts® INFINITE Elegance™ Structural Stainless Steel Grab Bars meet or exceed the applicable requirements of all building codes, ADA criteria, and 2010 ADAAG and 2009 ANSI standards.

RECOMMENDED INTEGRATION

For hollow wall construction, it is recommended that WingIts® Grab Bar Fasteners (GBWME40) are used with this product. See Fastener instructions for applications.

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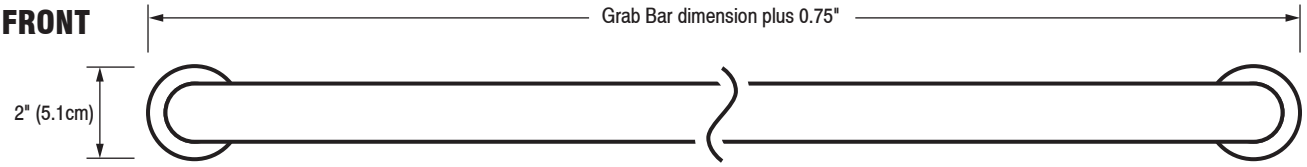
WingIts®

FRONT



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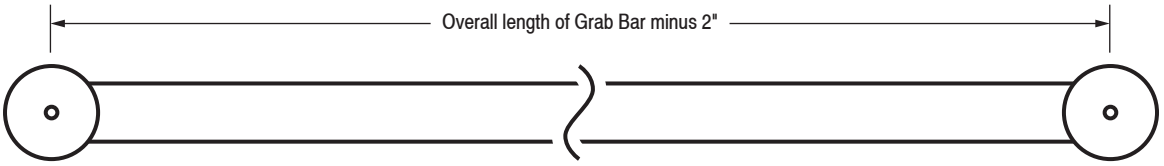
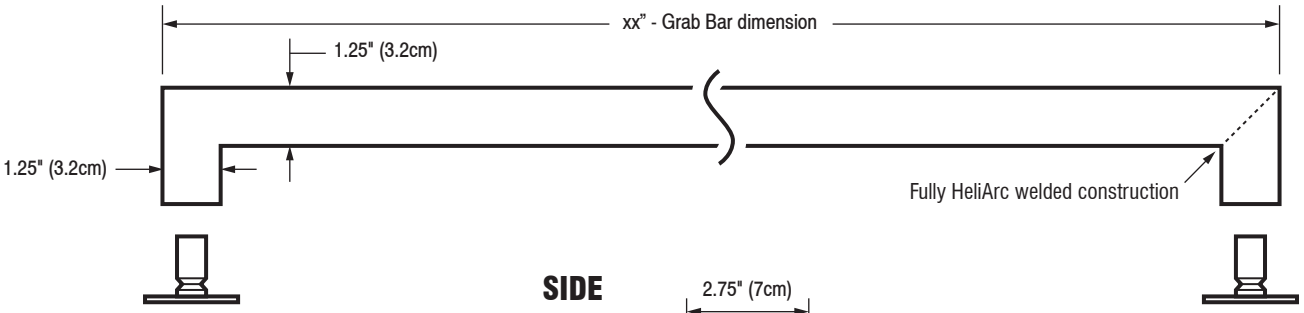


To determine the installation points of the Grab bar, DEDUCT 1.25" from the Grab bar length.
e.g., A 24" Grab bar has mount holes at 22.75".

TOP



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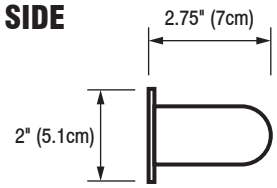
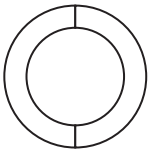
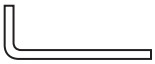


Included Hardware



3M® Waterproof ME Tape x 2

S/S Screw for Blocking x 2

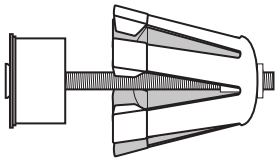


Allen Wrench x 1

Set Screw x 2

Optional Hardware

(Sold Separately)



WingIts® MODERN Elegance™
Grab Bar Fasteners (GBWME40) x 2

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Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-106-PB_EMP RR

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Grab Bar
Item Type	Grab Bar 18"
Description	Fusion series 18" grab bar.
Manufacturer	Preferred Bath Accessories
Model	7018-SS
Dimensions	18"L x 1.25"OD
Finish	Satin Stainless
Material Composition	Stainless Steel
CSI #	102800 - Toilet, Bath, and Laundry Accessories
Accessibility Compliance	Exceeds ADA & ANSI Requirements

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Preferred Bath Acessories, Inc
Contact Name: Joe Atkins
Phone: (336) 575-0080
Email: jatkins@preferredbathinc.com

ALTERNATE MANUFACTURER 2

Vendor Name: WINGITS
Contact Name: Billy Mac
Phone: (540) 692-1102
Email: billymac@wingits.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Employee Areas

7000 FUSION COLLECTION DECORATIVE GRAB BARS

METICULOUSLY DESIGNED WITH THE USER IN MIND

sales@preferredbathinc.com
www.preferredbathinc.com
(336) 904-6248

100% STAINLESS STEEL CONSTRUCTION

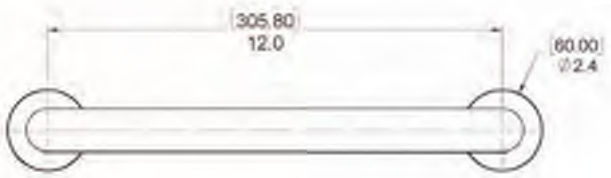
- 304 STAINLESS STEEL BAR
- SOLID 304 STAINLESS STEEL DECORATIVE COVER FLANGES
- ADJUSTABLE MULTI-SCREW 304 STAINLESS STEEL MOUNTING BRACKETS
- PREMIUM STAINLESS STEEL MOUNTING HARDWARE

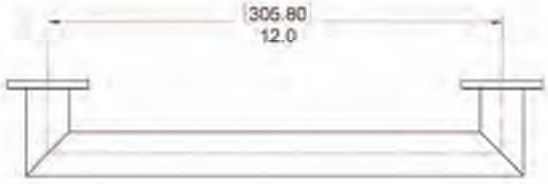
POLISHED TO PERFECTION

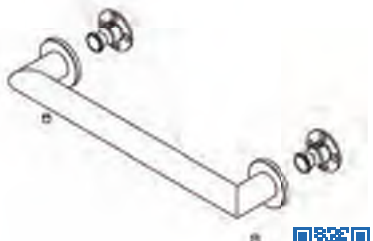
- STURDY SOLID CONSTRUCTION
- MEETS AND EXCEEDS ANSI REQUIREMENTS

EXCEEDS ADA & ANSI REQUIREMENTS

PART NUMBERS	FINISH
7012-BP	BRIGHT POLISHED
7016-BP	BRIGHT POLISHED
7018-BP	BRIGHT POLISHED
7024-BP	BRIGHT POLISHED
7030-BP	BRIGHT POLISHED
7036-BP	BRIGHT POLISHED
7042-BP	BRIGHT POLISHED
7048-BP	BRIGHT POLISHED
7012-SS	SATIN STAINLESS
7016-SS	SATIN STAINLESS
7018-SS	SATIN STAINLESS
7024-SS	SATIN STAINLESS
7030-SS	SATIN STAINLESS
7036-SS	SATIN STAINLESS
7042-SS	SATIN STAINLESS
7048-SS	SATIN STAINLESS







INSTALLATION:

Attach mounting bracket to the wall with the provided screws. Slide flange and grab bar over the wall bracket and secure with provided stainless steel set screws. This grab bar has been designed to be secured to the wall with at least two screws per mounting bracket giving you the strongest squared decorative grab bar on the market. It also has .20” of adjust-ability for an easy installation.

WOOD BLOCKING REQUIRED FOR COMMERCIAL APPLICATION

Limited Warranty:

Preferred Bath Accessories Inc. warrants to the purchaser that the product will be free from defects in material and workmanship. If the product does not comply with this warranty, Preferred Bath Accessories Inc. will repair or replace the product or, at Preferred Bath Accessories Inc’s. option, refund the purchase price. The limited warranty period is for the lifetime of the product. Limitations on the Warranty: The warranty does not cover, normal wear and tear, product abuse, neglect, improper installation or maintenance. Purchaser Requirements: If this product does not meet Preferred Bath Accessories Inc’s. warranty, return the product (postage prepaid) to the place of purchase with proof of purchase and a written claim briefly describing the defect. You may be required to provide other information or evidence of the defect.

Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-106-WI_EMP RR

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Grab Bar
Item Type	Grab Bar - 18"
Description	18" grab bar.
Manufacturer	WingIts
Model	WGB5IESN18
Dimensions	18" x 2" x 2.75"
Finish	Satin
Material Composition	Stainless Steel
CSI #	102800 - Toilet, Bath, and Laundry Accessories
Omniclass #	22-102800 Toilet, Bath, and Laundry Accessories
Accessibility Compliance	Meets or exceeds applicable building codes, ADA criteria, 2010 ADAAG, and 2009 ANSI standards.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: WINGITS
Contact Name: Billy Mac
Phone: (540) 692-1102
Email: billymac@wingits.com

ALTERNATE MANUFACTURER 2

Vendor Name: Preferred Bath Acessories, Inc
Contact Name: Joe Atkins
Phone: (336) 575-0080
Email: jatkins@preferredbathinc.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Employee Areas

WingIts® INFINITE Elegance™
Structural 18/8 Stainless Steel Grab Bar

Model:
WGB5IExx

Part Numbers:

WGB5IEPS6 6" Polished Finish	**WGB5IESN6** 6" Satin Finish
WGB5IEPS8 8" Polished Finish	**WGB5IESN8** 8" Satin Finish
WGB5IEPS12 12" Polished Finish	**WGB5IESN12** 12" Satin Finish
WGB5IEPS16 16" Polished Finish	**WGB5IESN16** 16" Satin Finish
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WGB5IEPS24 24" Polished Finish	**WGB5IESN24** 24" Satin Finish
WGB5IEPS30 30" Polished Finish	**WGB5IESN30** 30" Satin Finish
WGB5IEPS32 32" Polished Finish	**WGB5IESN32** 32" Satin Finish
WGB5IEPS36 36" Polished Finish	**WGB5IESN36** 36" Satin Finish
WGB5IEPS42 42" Polished Finish	**WGB5IESN42** 42" Satin Finish
WGB5IEPS48 48" Polished Finish	**WGB5IESN48** 48" Satin Finish
WGB5IEPS54* 54" Polished Finish	**WGB5IESN54*** 54" Satin Finish
WGB5IEPS60* 60" Polished Finish	**WGB5IESN60*** 60" Satin Finish

**Grab Bars include center support.*

Stainless steel screws are included to install into adequate structural blocking.

Contemporary design combines with a fully HeliArc welded construction, resulting in a Grab Bar with:

- Unparalleled strength
- Beauty
- Functionality
- Durability
- No lines for dirt to collect (maintenance free)

MECHANICAL DATA

Height: 2" (5.1cm)
Width: xx" (See product part number for width). Complete length of Grab Bar is usable surface.
Diameter: 1.25" (3.2cm)

PRODUCT COMPOSITION

Entire product is 18/8 (304) stainless steel. Solid caps and pins are HeliArc welded to 18 gauge tube.

MODALITY

Use: Wall Installation. **Load Capability:** 800 lbs. (362.9kg) when properly installed.

INSTALLATION

WingIts® INFINITE Elegance™ Structural Stainless Steel Grab Bars are designed to hold live loads and **must be installed into adequate structural blocking** or with WingIts® Grab Bar Fasteners (GBWME40).

CERTIFICATIONS

WingIts® INFINITE Elegance™ Structural Stainless Steel Grab Bars meet or exceed the applicable requirements of all building codes, ADA criteria, and 2010 ADAAG and 2009 ANSI standards.

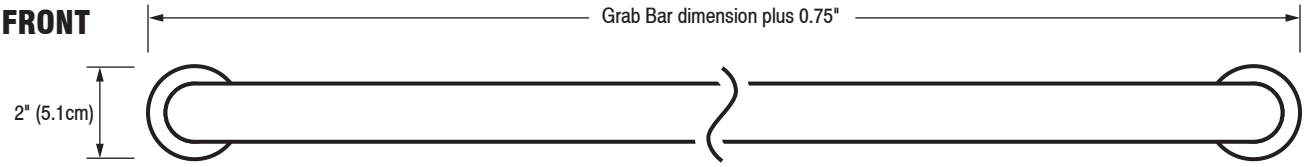
RECOMMENDED INTEGRATION

For hollow wall construction, it is recommended that WingIts® Grab Bar Fasteners (GBWME40) are used with this product. See Fastener instructions for applications.

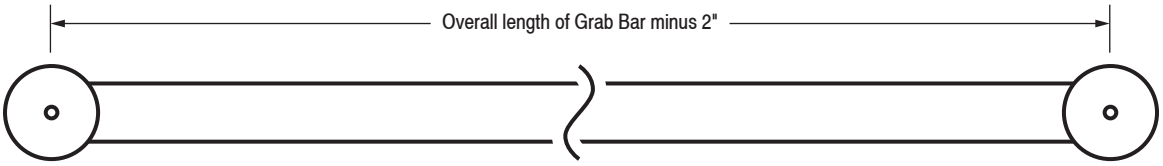
Toll Free: 877-894-6448 • www.wingits.com • sales@wingits.com

WingIts®

FRONT

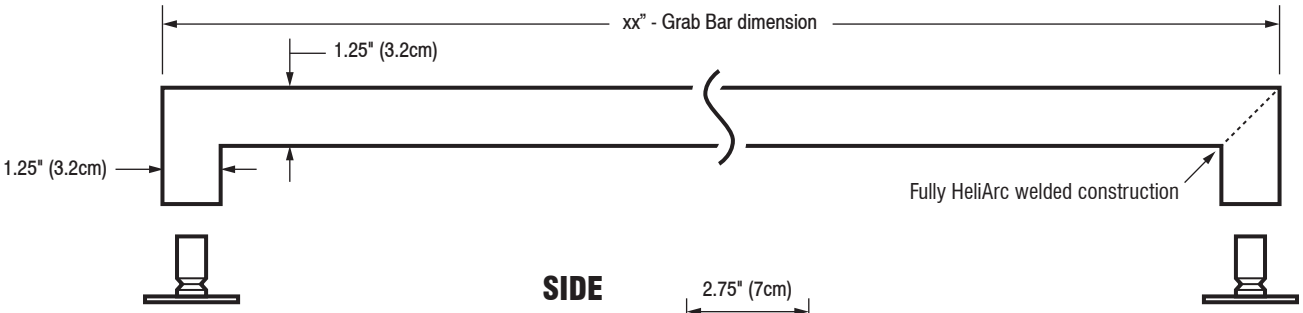


BACK

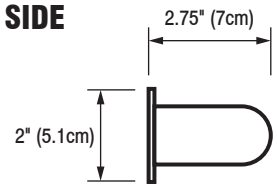


To determine the installation points of the Grab bar, DEDUCT 1.25" from the Grab bar length.
e.g., A 24" Grab bar has mount holes at 22.75".

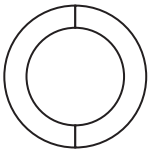
TOP



SIDE

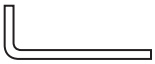


Included Hardware



3M® Waterproof ME Tape x 2

S/S Screw for Blocking x 2

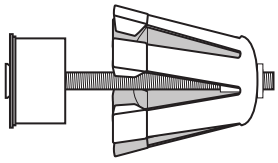


Allen Wrench x 1

Set Screw x 2

Optional Hardware

(Sold Separately)



WingIts® MODERN Elegance™
Grab Bar Fasteners (GBWME40) x 2

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Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-108-PB_EMP RR

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Grab Bar
Item Type	Grab Bar - 36"
Description	36" grab bar
Manufacturer	Preferred Bath Accessories, LLC
Model	7036-SS
Dimensions	36" x 2.76" x 1.26"
Finish	Satin
Material Composition	Stainless Steel
CSI #	102800 - Toilet, Bath, and Laundry Accessories
Omniclass #	22-102800 Toilet, Bath, and Laundry Accessories
Warranty	Lifetime limited warranty against defects.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Preferred Bath Acessories, Inc
Contact Name: Joe Atkins
Phone: (336) 575-0080
Email: jatkins@preferredbathinc.com

ALTERNATE MANUFACTURER 2

Vendor Name: WINGITS
Contact Name: Billy Mac
Phone: (540) 692-1102
Email: billymac@wingits.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

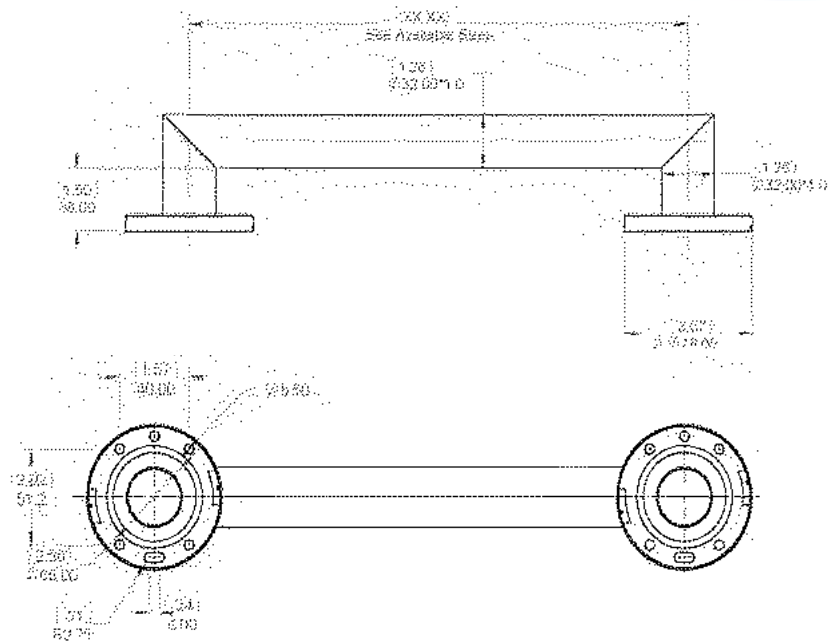
AREAS

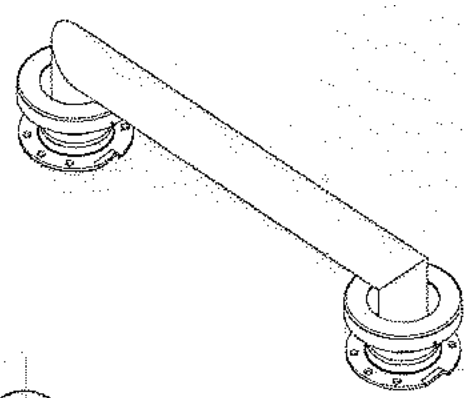
Employee Areas

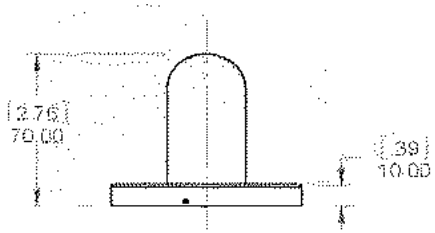
TA-108-PB_EMP RR

Preferred Bath Accessories Inc.
1031 E Mountain St. Kernersville, NC 27284
PH: 888-315-8816 FAX: 866-496-8122
www.preferredbathinc.com

7000 Fusion Series Grab Bars
Available Bright Polished Sizes: 12", 16", 18", 24", 36", 42"and 48".
Available Satin Stainless Sizes: 18", 24", 36"and 42".
TECHNICAL DATA SHEET

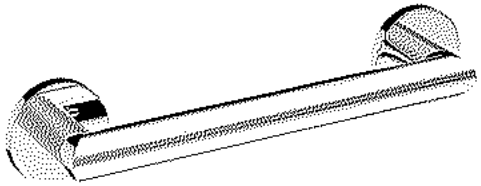






Features a strong solid welded construction. The flange and universal hole pattern has been enginered for easy installation.

Installation:
Attach grab bar to wall with provided screws. Slide flange over bracket and rotate until secure.



Materials:
- 1 - ADA Compliant Stainless Steel Grab Bar
- 4 - Stainless Steel Screws

Wood blocking preferred

Limited Warranty
Preferred Bath Accessories Inc. warrants to the purchaser that the product will be free from defects in material and workmanship. If the product does not comply with this warranty, Preferred Bath Accessories Inc. will repair or replace the product or, at Preferred Bath Accessories Inc's. option, refund the purchase price. The limited warranty period is for the lifetime of the product. Limitations on the Warranty: The warranty does not cover, normal wear and tear, product abuse, neglect, improper installation or maintenance. Purchaser Requirements: If this product does not meet Preferred Bath Accessories Inc's. warranty, return the product (postage prepaid) to the place of purchase with proof of purchase and a written claim briefly describing the defect. You may be required to provide other information or evidence of the defect.

Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-108-WI_EMP RR

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Grab Bar
Item Type	Grab Bar - 36"
Description	36" grab bar.
Manufacturer	WingIts
Model	WGB5IESN36
Dimensions	36" x 2" x 2.75"
Finish	Satin
Material Composition	Stainless Steel
CSI #	102800 - Toilet, Bath, and Laundry Accessories
Omniclass #	22-102800 Toilet, Bath, and Laundry Accessories
Accessibility Compliance	Meets or exceeds applicable building codes, ADA criteria, 2010 ADAAG, and 2009 ANSI standards.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: WINGITS
Contact Name: Billy Mac
Phone: (540) 692-1102
Email: billymac@wingits.com

ALTERNATE MANUFACTURER 2

Vendor Name: Preferred Bath Acessories, Inc
Contact Name: Joe Atkins
Phone: (336) 575-0080
Email: jatkins@preferredbathinc.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Employee Areas

WingIts® INFINITE Elegance™
Structural 18/8 Stainless Steel Grab Bar

Model:
WGB5IExx

Part Numbers:

WGB5IEPS6 6" Polished Finish	**WGB5IESN6** 6" Satin Finish
WGB5IEPS8 8" Polished Finish	**WGB5IESN8** 8" Satin Finish
WGB5IEPS12 12" Polished Finish	**WGB5IESN12** 12" Satin Finish
WGB5IEPS16 16" Polished Finish	**WGB5IESN16** 16" Satin Finish
WGB5IEPS18 18" Polished Finish	**WGB5IESN18** 18" Satin Finish
WGB5IEPS24 24" Polished Finish	**WGB5IESN24** 24" Satin Finish
WGB5IEPS30 30" Polished Finish	**WGB5IESN30** 30" Satin Finish
WGB5IEPS32 32" Polished Finish	**WGB5IESN32** 32" Satin Finish
WGB5IEPS36 36" Polished Finish	**WGB5IESN36** 36" Satin Finish
WGB5IEPS42 42" Polished Finish	**WGB5IESN42** 42" Satin Finish
WGB5IEPS48 48" Polished Finish	**WGB5IESN48** 48" Satin Finish
WGB5IEPS54* 54" Polished Finish	**WGB5IESN54*** 54" Satin Finish
WGB5IEPS60* 60" Polished Finish	**WGB5IESN60*** 60" Satin Finish

**Grab Bars include center support.*

Stainless steel screws are included to install into adequate structural blocking.

Contemporary design combines with a fully HeliArc welded construction, resulting in a Grab Bar with:

- Unparalleled strength
- Beauty
- Functionality
- Durability
- No lines for dirt to collect (maintenance free)

MECHANICAL DATA

Height: 2" (5.1cm)
Width: xx" (See product part number for width). Complete length of Grab Bar is usable surface.
Diameter: 1.25" (3.2cm)

PRODUCT COMPOSITION

Entire product is 18/8 (304) stainless steel. Solid caps and pins are HeliArc welded to 18 gauge tube.

MODALITY

Use: Wall Installation. **Load Capability:** 800 lbs. (362.9kg) when properly installed.

INSTALLATION

WingIts® INFINITE Elegance™ Structural Stainless Steel Grab Bars are designed to hold live loads and **must be installed into adequate structural blocking** or with WingIts® Grab Bar Fasteners (GBWME40).

CERTIFICATIONS

WingIts® INFINITE Elegance™ Structural Stainless Steel Grab Bars meet or exceed the applicable requirements of all building codes, ADA criteria, and 2010 ADAAG and 2009 ANSI standards.

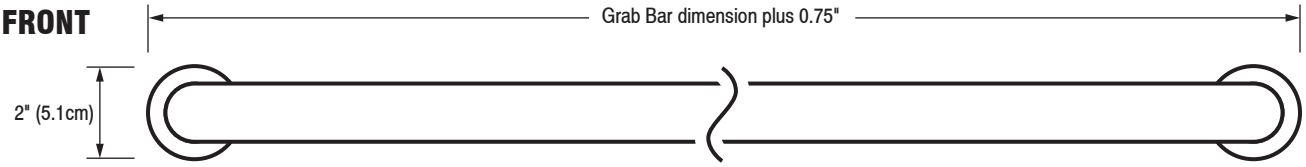
RECOMMENDED INTEGRATION

For hollow wall construction, it is recommended that WingIts® Grab Bar Fasteners (GBWME40) are used with this product. See Fastener instructions for applications.

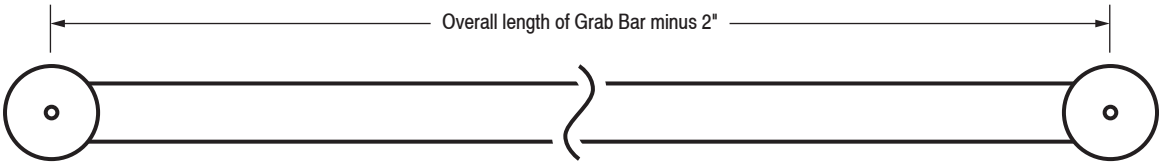
Toll Free: 877-894-6448 • www.wingits.com • sales@wingits.com

WingIts®

FRONT

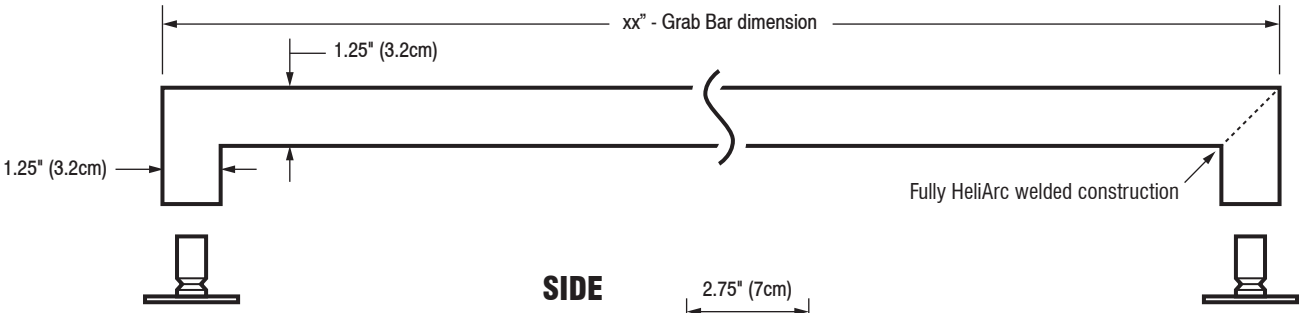


BACK

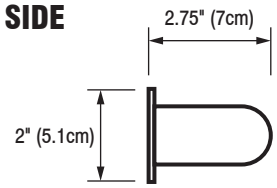


To determine the installation points of the Grab bar, DEDUCT 1.25" from the Grab bar length.
e.g., A 24" Grab bar has mount holes at 22.75".

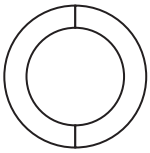
TOP



SIDE

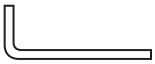


Included Hardware



3M® Waterproof ME Tape x 2

S/S Screw for Blocking x 2

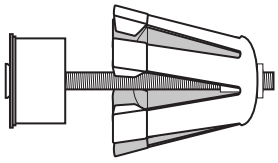


Allen Wrench x 1

Set Screw x 2

Optional Hardware

(Sold Separately)



WingIts® MODERN Elegance™
Grab Bar Fasteners (GBWME40) x 2

Toll Free: 877-894-6448 • www.wingits.com • sales@wingits.com

Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-201-AS_EMP RR

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Toilet Tissue Holder
Item Type	Toilet Tissue Holder - Double
Description	Surface mounted double toilet tissue holder
Manufacturer	American Specialties, Inc
Model	AS 7305-2S
Dimensions	3 7/8" x 2" x 7 3/4"
Finish	Satin
Material Composition	Stainless Steel
CSI #	102800 - Toilet, Bath, and Laundry Accessories
Omniclass #	22-102800 Toilet, Bath, and Laundry Accessories

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: American Specialties, Inc
Contact Name:
Phone: (914) 476-9000
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Bobrick
Contact Name: Scott Liss
Phone: (704) 405-0667
Email: scottl@repsouth.com

ALTERNATE MANUFACTURER 3

Vendor Name: Franklin Brass, a Liberty Hardware Brand
Contact Name:
Phone:
Email:

ALTERNATE MANUFACTURER 4

AREAS

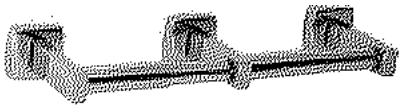
Public Restrooms
Employee Areas

Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-201-BW_EMP RR

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Toilet Tissue Holder
Item Type	Toilet Tissue Holder - Double
Description	Surface mounted double tissue holder.
Manufacturer	Bobrick Washroom Equipment
Model	B-76867
Dimensions	12 1/2" x 3 15/16" x 2"
Finish	Satin
Material Composition	Stainless Steel
CSI #	102800 - Toilet, Bath, and Laundry Accessories
Omniclass #	22-102800 Toilet, Bath, and Laundry Accessories

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Bobrick
Contact Name: Scott Liss
Phone: (704) 405-0667
Email: scottl@repsouth.com

ALTERNATE MANUFACTURER 2

Vendor Name: American Specialties, Inc
Contact Name:
Phone: (914) 476-9000
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Franklin Brass, a Liberty Hardware Brand
Contact Name:
Phone:
Email:

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms
Employee Areas

Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-201-FB_EMP RR

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Toilet Tissue Holder
Item Type	Toilet Tissue Holder - Double
Description	Surface mounted double toilet tissue holder.
Manufacturer	Franklin Brass
Model	FB 5507B
Dimensions	13 1/2" x 3 3/8" x 2"
Finish	Satin
Material Composition	Stainless Steel

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Franklin Brass, a Liberty Hardware Brand
Contact Name:
Phone:
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: American Specialties, Inc
Contact Name:
Phone: (914) 476-9000
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Bobrick
Contact Name: Scott Liss
Phone: (704) 405-0667
Email: scottl@repsouth.com

ALTERNATE MANUFACTURER 4

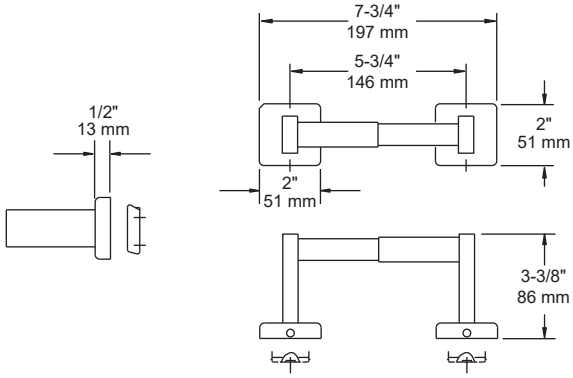
AREAS

Public Restrooms
Employee Areas

TECHNICAL DATA

Century™

TOILET PAPER HOLDER WITH PLASTIC ROLLER



MATERIALS: Posts and Flange - 304 Stainless Steel
Roller - Plastic
Wall Plate - Stainless Steel

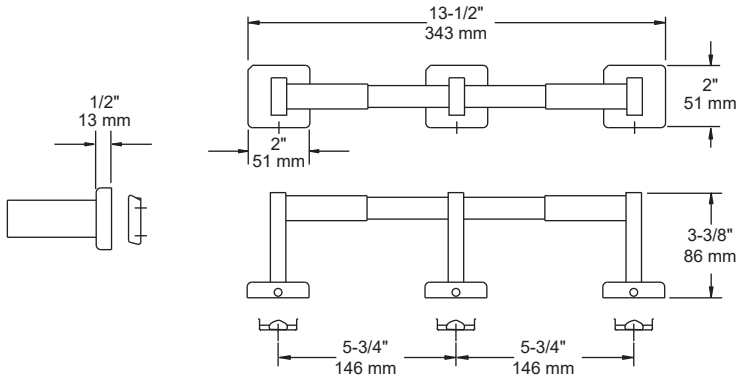
INSTALLATION: Mount wall plate bracket(s) per installation instructions with supplied fasteners. Slip product over wall plate(s) and tighten set screws until secure.

OPTIONAL FASTENER INFORMATION:
Wood blocking is preferable behind all wall surfaces. If wood blocking is not available, the following fasteners are suggested: Tile/Masonry - Plastic or Lead Anchors, Plaster/Drywall - Toggle Bolts.

SPECIFICATION: Surface mounted toilet paper holder shall be model _____ (fill in model number) by Liberty Hardware Manufacturing Corporation.

Century™

TWIN TOILET PAPER HOLDER WITH PLASTIC ROLLERS



MATERIALS: Posts and Flange - 304 Stainless Steel
Rollers - Plastic
Wall Plate - Stainless Steel

INSTALLATION: Mount wall plate bracket(s) per installation instructions with supplied fasteners. Slip product over wall plate(s) and tighten set screws until secure.

OPTIONAL FASTENER INFORMATION:
Wood blocking is preferable behind all wall surfaces. If wood blocking is not available, the following fasteners are suggested: Tile/Masonry - Plastic or Lead Anchors, Plaster/Drywall - Toggle Bolts.

SPECIFICATION: Surface mounted twin toilet paper holder shall be model _____ (fill in model number) by Liberty Hardware Manufacturing Corporation.

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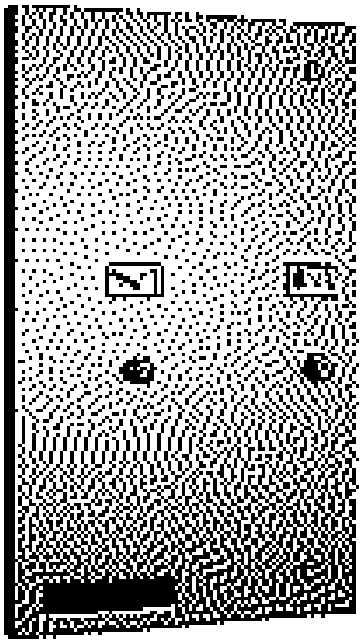
Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-801-BW_EMP RR

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Feminine Napkin Vendor
Item Type	Feminine Napkin Vendor - Wall Recessed
Description	Coin operated sanitary napkin / tampon vendor recessed in wall.
Manufacturer	Bobrick Washroom Equipment, Inc
Model	B-3500
Dimensions	16 5/8" x 27" x 3 15/16"
Finish	Satin
Material Composition	Stainless Steel
CSI #	102800 - Toilet, Bath, and Laundry
Omniclass #	22-102800 Toilet, Bath, and Laundry



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Bobrick
Contact Name: Scott Liss
Phone: (704) 405-0667
Email: scottl@repsouth.com

ALTERNATE MANUFACTURER 2

Vendor Name: American Specialties, Inc
Contact Name:
Phone: (914) 476-9000
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: GAMCO, Inc, a Division of Bobrick
Contact Name:
Phone: (580) 924-8066
Email:

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms
Employee Areas

BOBRICK

Technical Data

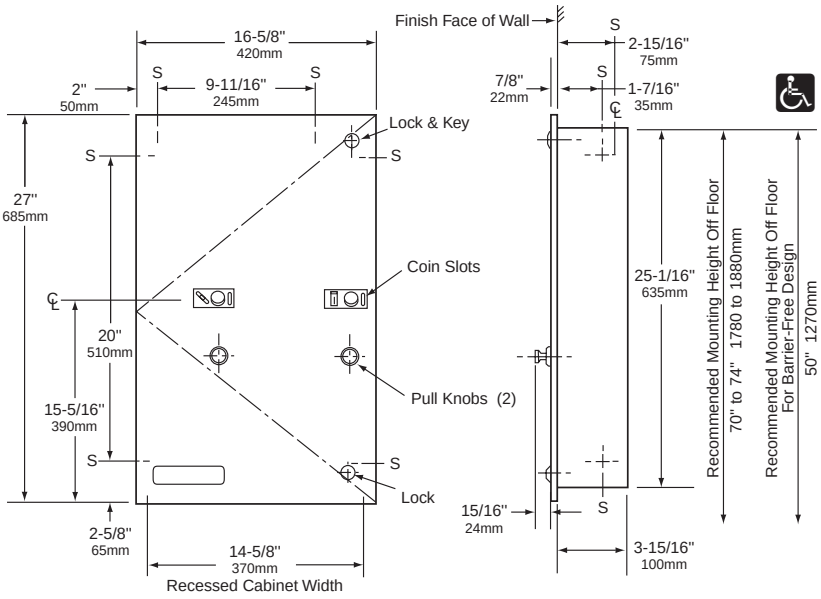
RECESSED NAPKIN/TAMPON VENDORS

B-3500 SERIES

Specify Model Required:

- ❑ Model B-3500C Free no-coin operation
- ❑ Model B-3500 25 25¢ single-coin operation
- ❑ Model B-3500X2 50 50¢ double-coin operation

Patented



Rough Wall Opening
15-1/8" (385mm) wide
25-1/2" (650mm) high
4" (102mm) minimum recessed depth

MATERIALS:

Cabinet — 18-8 S, type-304, 22-gauge (0.8mm) stainless steel. All-welded construction.

Door — 18-8 S, type-304, 18-gauge (1.2mm) stainless steel with satin finish. 7/8" (22mm) 90° return edges for maximum rigidity. Secured to cabinet with a concealed, full-length stainless steel piano-hinge. Equipped with a stainless steel cable door-swing limiter and two tumbler locks keyed like other Bobrick washroom accessories. Door has no brand-name advertising for products dispensed. Can be replaced in the field. International graphic symbols identify product dispensed and coin denomination.

Coin Mechanisms (2) — Impact-resistant ABS with satin-finish aluminum pull knobs. Coin mechanisms can be converted in the field to any standard coin denomination without having to purchase new coin mechanisms (no-coin, single-coin, or double-coin operation). Each coin box is equipped with a tumbler lock that opens with different key than furnished for door locks. Coinage is designated by symbols on metal plate, which can be changed only from inside the door.

Designer's Note: If change of coin denomination is desired after installation, order Bobrick Coin Plate Replacement Kit for the desired coinage.

OPERATION:

After coin is inserted in dispensing mechanism of patron's choice, pulling appropriate handle dispenses boxed sanitary napkin or tampon tube. Pull knobs operate with one hand, without tight grasping, pinching, or twisting of the wrist, and with less than 5 pounds of force (22.2 N) to comply with barrier-free accessibility guidelines (including ADAAG in U.S.A.). Coin slot of each dispensing mechanism is identified by an international graphic symbol. Capacity: 31 sanitary napkins and 22 tampons. Coin slots are blocked when supply is depleted. Cable door-swing limiter prevents damage to washroom accessories and walls. Vendor dispenses sanitary napkin packages measuring 3" x 1" x 4-1/4" (76 x 25 x 108mm) and tampon packages measuring 5-1/8" long x 11/16" diameter (130 x 17mm).

continued . . .

The illustrations and descriptions herein are applicable to production as of the date of this Technical Data Sheet.
The manufacturer reserves the right to, and does from time to time, make changes and improvements in designs and dimensions.

Revised 5/06 Printed in U.S.A.
© 2006 by Bobrick Washroom Equipment, Inc.

INSTALLATION:

Provide framed rough wall opening 15-1/8" wide x 25-1/2" high (385 x 650mm). Minimum recessed depth required to finish face of wall is 4" (102mm). Allow clearance for construction features that may protrude into opening from opposite wall. Coordinate with mechanical engineer to avoid pipes, vents, and conduits. If unit projects above top of wainscot, provide aluminum channel or other filler to eliminate gap between flange and finish face of wall. Mount unit with shims between framing and cabinet at all points indicated by an *S,* then secure unit with #8 x 1-1/4" (M4.2 x 32mm) sheet-metal screws (not furnished).

SPECIFICATION:

Recessed sanitary napkin/tampon vendor shall combine two dispensing mechanisms in one cabinet to provide sanitary napkins or tampons at user's option. Dispensing mechanisms shall be pre-set at factory for_____ (insert one: Free, 25¢, or 50¢) operation, but shall be convertible in the field to allow the change of coin denomination without purchasing new mechanisms or removing unit from wall. Door shall be furnished with metal plates indicating specified coin denomination. Unit shall be type-304 stainless steel with all-welded construction; exposed surfaces shall have satin finish. Door shall be 18 gauge (1.2mm); have 7/8" (22mm) 90° return edges; be secured to cabinet with a concealed, full-length stainless steel piano-hinge; and equipped with a stainless steel cable door-swing limiter and two tumbler locks keyed like other Bobrick washroom accessories. Pull knobs shall be operable with one hand and with less than 5 pounds of force (22.2 N) to comply with barrier-free accessibility guidelines (including ADAAG in U.S.A.). Each coin box shall be equipped with a tumbler lock that is keyed differently than door locks. Unit shall not carry brand-name advertising. Manufacturer's service and parts manual shall be provided to the building owner/manager upon completion of project.

Recessed Sanitary Napkin/Tampon Vendor shall be Model _____ (insert model number) of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.

The illustrations and descriptions herein are applicable to production as of the date of this Technical Data Sheet.
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B-3500 Revised 5/06 Printed in U.S.A.
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Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-801-GA_EMP RR

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Feminine Napkin Vendor
Item Type	Feminine Napkin Vendor - Wall Recessed
Description	Coin operated sanitary napkin / tampon vendor recessed in wall.
Manufacturer	GAMCO, Inc
Model	GA NV-2-4
Dimensions	14 3/4" x 25 1/2" x 4"
Finish	Satin
Material Composition	Stainless Steel
CSI #	102800 - Toilet, Bath, and Laundry
Omniclass #	22-102800 Toilet, Bath, and Laundry

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: GAMCO, Inc, a Division of Bobrick
Contact Name:
Phone: (580) 924-8066
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: American Specialties, Inc
Contact Name:
Phone: (914) 476-9000
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Bobrick
Contact Name: Scott Liss
Phone: (704) 405-0667
Email: scottl@repsouth.com

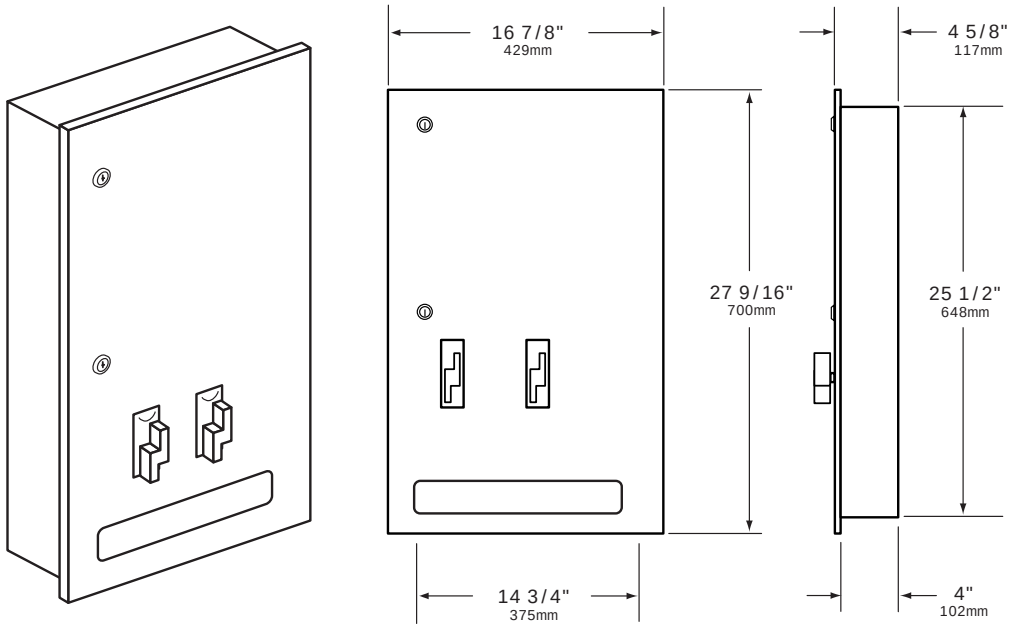
ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms
Employee Areas

GAMCO

NV-2-4 Sanitary Napkin Vendors



Construction:

Cabinet and frame fabricated of 18-8 type 304 stainless steel. All welded construction with exposed surfaces having a #4 satin finished. EXTRA HEAVY 18 gauge (1.2mm) door, warp free, hung on continuous piano hinge and fitted with two tumbler locks. No name or logo on unit.

Operation:

Coin box fitted with tumbler lock keyed differently than door. Coin mechanisms available for 10 cents, 25 cents, 50 cents and Free operation.

Capacity:

15 napkins and 24 tampons

Overall Dimensions:

16-7/8" (429mm)W x 27-9/16" (700mm) H x 4-5/8" (117mm)D

Wall Opening:

15-1/4"(387mm)W x 26-1/16" (662mm)H x 4" (102mm) min depth

Mounting Height:

74" (1,880mm) to top of unit, 60" (1,524mm) for handicapped.

Options:

NV-2-4 FS same as above but with 4" (102mm) skirt for surface mounting

NV-2-4C same as above except with round knobs

PL, Plastic laminated 5/16" (8mm) door. Door is made of 5/16" (8mm) thick solid phenolic plastic, hung on continuous steel piano hinge, and fitted with 2 tumbler locks.

Manufacturer reserves the right to make changes in design or dimensions without formal notice.

Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-801-LI_EMP RR

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Feminine Napkin Vendor
Item Type	Feminine Napkin Vendor - Wall Recessed
Description	Coin operated sanitary napkin / tampon vendor that is mounted in wall recess.
Manufacturer	American Specialties, Inc.
Model	AS 04684
Dimensions	26" x 16" x 4"
Finish	Satin
Material Composition	Stainless Steel
CSI #	102800 - Toilet, Bath, and Laundry
Omniclass #	22-102800 Toilet, Bath, and Laundry

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: American Specialties, Inc
Contact Name:
Phone: (914) 476-9000
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Bobrick
Contact Name: Scott Liss
Phone: (704) 405-0667
Email: scottl@repsouth.com

ALTERNATE MANUFACTURER 3

Vendor Name: GAMCO, Inc, a Division of Bobrick
Contact Name:
Phone: (580) 924-8066
Email:

ALTERNATE MANUFACTURER 4

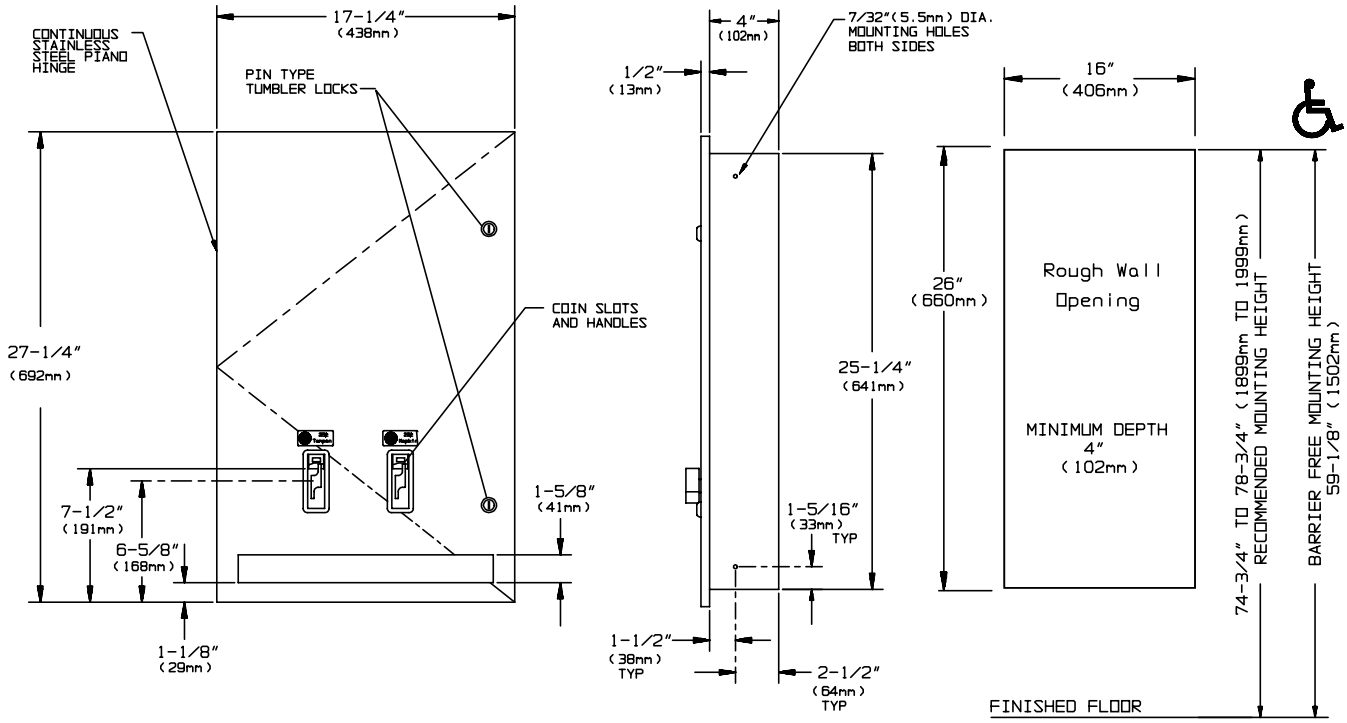
AREAS

Public Restrooms
Employee Areas

AMERICAN SPECIALTIES, INC.
441 Saw Mill River Road, Yonkers, NY 10701 (914) 476-9000

MODEL No:	04684
ISSUED:	1-87
REVISED:	9-04

RECESSED DUAL SANITARY NAPKIN / TAMPON DISPENSER (PAGE 1 OF 2)



SPECIFICATION

Sanitary Napkin / Tampon vendor shall dispense 15 napkins and 23 tampons of specified sizes and shall have cabinet fabricated of alloy 18-8 stainless steel, type 304, 18 gauge; all exposed surfaces shall have № 4 satin finish and be protected during shipment with a PVC film easily removable after installation. Door shall be fabricated of 18 gauge same grade stainless steel and shall be attached to cabinet with a full length 3/16″ dia. (5mm) stainless steel multi-staked piano hinge and shall be held closed with two (2) tumbler locks keyed alike to other ASI Washroom Equipment. Internal coin-box shall be keyed differently than door locks. Dispensing mechanisms shall be fastener mounted internally to provide ability to change mechanisms for coinage denomination. Structural assembly of body and door components shall be of welded construction and have no exposed fasteners or welded seams. Weights for each feed track shall be supplied. Factory installed coin operation denomination shall be_____ (please fill in 25¢ or 50¢ or FREE) and add denomination as suffix to model № (ie: 04684-25).

Sanitary Napkin / Tampon Vendor shall be Model №04684-xx as manufactured by American Specialties, Inc., 441 Saw Mill River Road, Yonkers, New York 10701-4913

INSTALLATION

Unit is mounted in wall recess using №10 self-tapping screws (by others). Note that coin slot is 6-7/8" (175mm) above bottom edge of rough wall opening.

Rough Wall Opening required is……. 16"W x 26"H x 4"D minimum (406mm x 660mm x 102mm).

THIS MANUFACTURER RESERVES THE RIGHT TO MAKE CHANGES IN DESIGN OR DIMENSIONS WITHOUT FORMAL NOTICE

AMERICAN SPECIALTIES, INC.
441 Saw Mill River Road, Yonkers, NY 10701 (914) 476-9000

MODEL No: 04684
ISSUED: 1-87
REVISED: 9-04

RECESSED DUAL SANITARY NAPKIN / TAMPON DISPENSER (PAGE 2 OF 2)

OPERATION

Deposit of specified coin allows operation of dispenser. Napkin and tampon dispensers operate independently. Selected product drops into vending opening after operator actuation. Indicator displays empty condition and blocks coin slot when product is depleted. Unit vend product supply is replenished on cycle determined by maintenance needs by opening door and manually reloading product into dispenser supply tracks. Track weights MUST BE USED to provide positive feed.

NAPKINS, SINGLES, CARDBOARD-BOXED, SEMIGLOSS FINISH; CAPACITY: 15, BOX SIZE: 4-1/4" x 3" x 1-1/8" (108mm x 76mm x 29mm)	
Stayfree	No. 4
Guards	No's. 247, or 147
Kotex	No's.704,707,07010, 07040, 07045, 07300, 07320
Pure-Nat	No. M-4
Modess	No. 4
TAMPONS, CYLINDER, CARDBOARD, SEMIGLOSS, CRIMPED ENDS; CAPACITY: 23, TUBE SIZE: 3/4" dia. x 5-1/4" (19mm x 134mm)	
Tampax	
Modess Tampons	

THIS MANUFACTURER RESERVES THE RIGHT TO MAKE CHANGES IN DESIGN OR DIMENSIONS WITHOUT FORMAL NOTICE

Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-802-BW_EMP RR

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Paper Towel and Waste Dispenser
Item Type	Paper Towel and Waste Dispenser - Recessed
Description	Recessed convertible paper towel dispenser and waste receptacle.
Manufacturer	Bobrick Washroom Equipment, Inc
Model	B-3944
Dimensions	56" x 17 3/16" x 4"
Color	Stainless Steel
Finish	Satin
CSI #	102800 - Toilet, Bath, and Laundry Accessories
Omniclass #	22-102800 Toilet, Bath, and Laundry Accessories
Part of an Assembly	N

SPECIAL INSTRUCTIONS

MANUFACTURER	AREAS
Vendor Name: Bobrick Contact Name: Scott Liss	Public Restrooms

Phone: (704) 405-0667 Email: scottl@repsouth.com	Employee Areas
ALTERNATE MANUFACTURER 2 Vendor Name: GAMCO, Inc, a Division of Bobrick Contact Name: Phone: (580) 924-8066 Email:	
ALTERNATE MANUFACTURER 3 Vendor Name: Lixil - Grohe, American Standard, DXV Contact Name: Stephanie Weston Phone: (302) 518-1704 Email: stephanie.weston@lixil.com	
ALTERNATE MANUFACTURER 4	

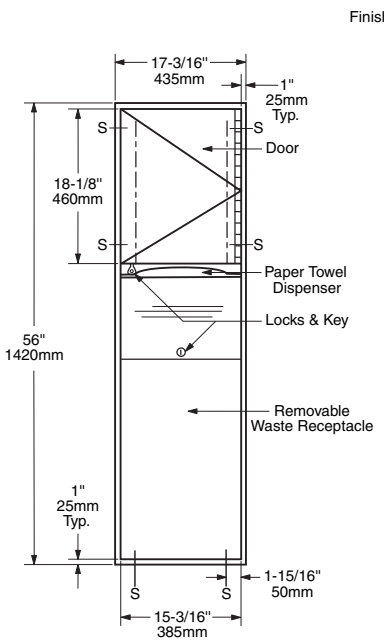
BOBRICK

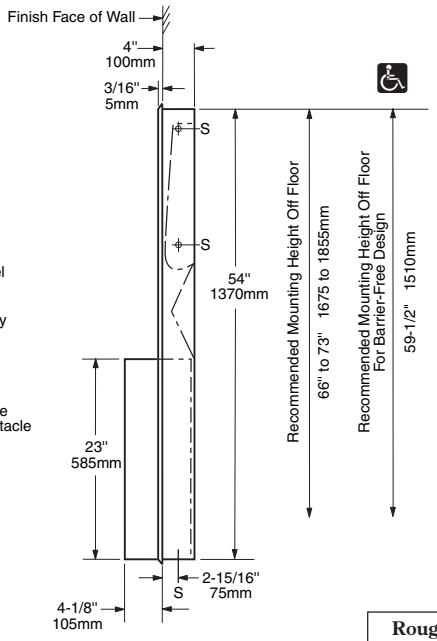
Technical Data

RECESSED CONVERTIBLE PAPER TOWEL DISPENSER AND WASTE RECEPTACLE

B-3944

Patent Pending





Rough Wall Opening

16" (405mm) wide
54-3/4" (1390mm) high
4" (102mm) minimum
recessed depth

MATERIALS:

Cabinet — 18-8 S, type-304, heavy-gauge stainless steel. All-welded construction. Exposed surfaces have satin finish.

Flange — 18-8 S, type-304, 22-gauge (0.8mm) stainless steel with satin finish. Drawn and beveled, one-piece, seamless construction.

Door — 18-8 S, type-304, 22-gauge (0.8mm) stainless steel with satin finish. Double-pan-back construction. Secured to cabinet with a full-length stainless steel piano-hinge. Equipped with a semi-concealed tumbler lock keyed like other Bobrick washroom accessories.

Paper Towel Dispenser — 18-8 S, type-304, 22-gauge (0.8mm) stainless steel with satin finish. Rounded towel tray has hemmed opening to dispense paper towels without tearing. Capacity: 600 C-fold or 800 multifold paper towels.

Waste Receptacle — 18-8 S, type-304, 22-gauge (0.8mm) stainless steel with satin finish. Front and sides of bottom and all top edges are hemmed for safe handling. Secured to cabinet with a tumbler lock keyed like other Bobrick washroom accessories. Equipped with interior hooks for optional vinyl liner. Capacity: 12 gal. (45.5 L).

OPERATION:

Paper towel dispenser accommodates C-fold or multifold paper towels without adjustment or use of adapters. To empty waste receptacle, unlock with key provided. Liner cannot be removed unless waste receptacle is unlocked from cabinet. Reusable vinyl liners are available as an optional accessory: order Bobrick Part No. 3944-12. This unit is field convertible to a Universal Roll Towel Dispenser by ordering Bobrick Part No. 3961-50 (Touch-Free Universal Roll Towel Dispenser Module). The waste capacity can be increased by ordering Bobrick part No. 368-60 (18-Gallon Waste Receptacle Module).

INSTALLATION:

Provide framed rough wall opening 16" wide x 54-3/4" high (405 x 1390mm). Minimum recessed depth required to finish face of wall is 4" (102mm). Allow clearance for construction features that may protrude into rough wall opening from opposite wall. Coordinate with mechanical engineer to avoid pipes, vents, and conduits. If unit projects above top of wainscot, provide aluminum channel or other filler to eliminate gap between flange and finish face of wall. Mount unit in wall opening with shims between framing and cabinet at all points indicated by an *S*, then secure unit with #8 x 1-1/4" (4.2 x 32mm) sheet-metal screws (not furnished).

SPECIFICATION:

Recessed convertible paper towel dispenser and waste receptacle shall be type-304 stainless steel with all-welded construction; exposed surfaces shall have satin finish. Flange shall be drawn and beveled, one-piece, seamless construction. Door shall be secured to cabinet with a full-length stainless steel piano-hinge and equipped with a semi-concealed tumbler lock keyed like other Bobrick washroom accessories. Paper towel dispenser shall dispense 600 C-fold or 800 multifold paper towels. Removable waste receptacle shall be secured to cabinet with a tumbler lock, have front and side edges of bottom and all top edges hemmed for safe handling, and shall have a minimum capacity of 12 gal. (45.5 L). Manufacturer's service and parts manual shall be provided to the building owner/manager upon completion of project.

Recessed Convertible Paper Towel Dispenser And Waste Receptacle shall be Model B-3944 of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.

The illustrations and descriptions herein are applicable to production as of the date of this Technical Data Sheet.
The manufacturer reserves the right to, and does from time to time, make changes and improvements in designs and dimensions.

Rev. 6/06 R/B, S/C Printed in U.S.A.
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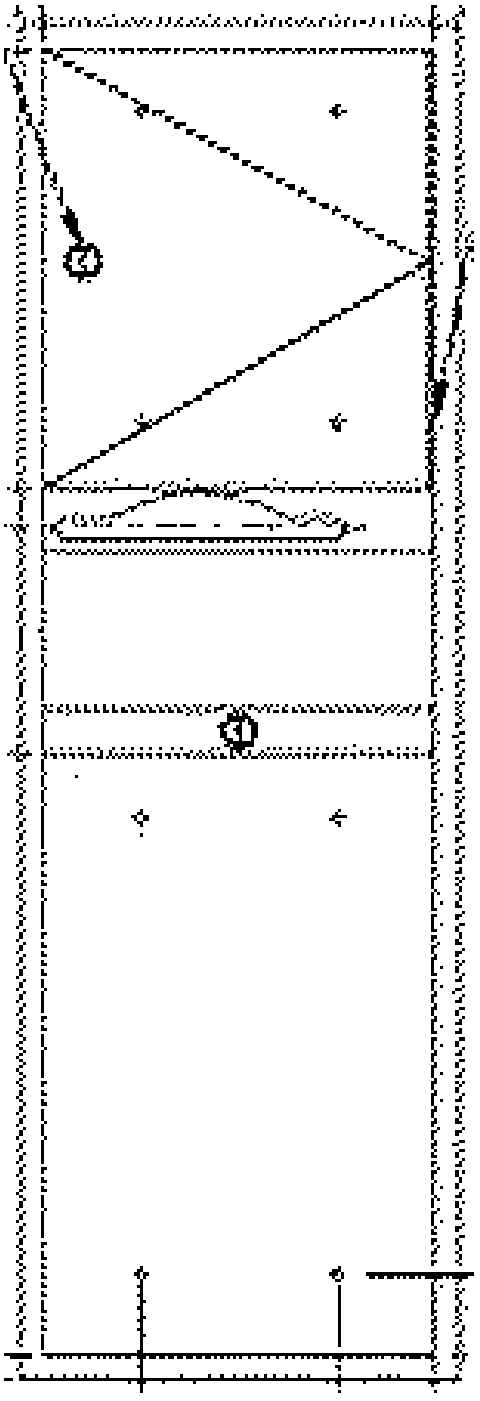
Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-802-LI_EMP RR

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Paper Towel Dispenser and Disposal
Item Type	Paper Towel Dispenser and Disposal - Recessed
Description	Paper towel dispenser and waste receptacle.
Manufacturer	American Specialties, Inc
Model	AS 0469
Dimensions	56" x 17 1/4" x 4"
Color	Stainless Steel
Finish	Satin
CSI #	102800 - Toilet, Bath, and Laundry Accessories
Omniclass #	22-102800 Toilet, Bath, and Laundry Accessories
Part of an Assembly	N



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: American Specialties, Inc
Contact Name:

AREAS

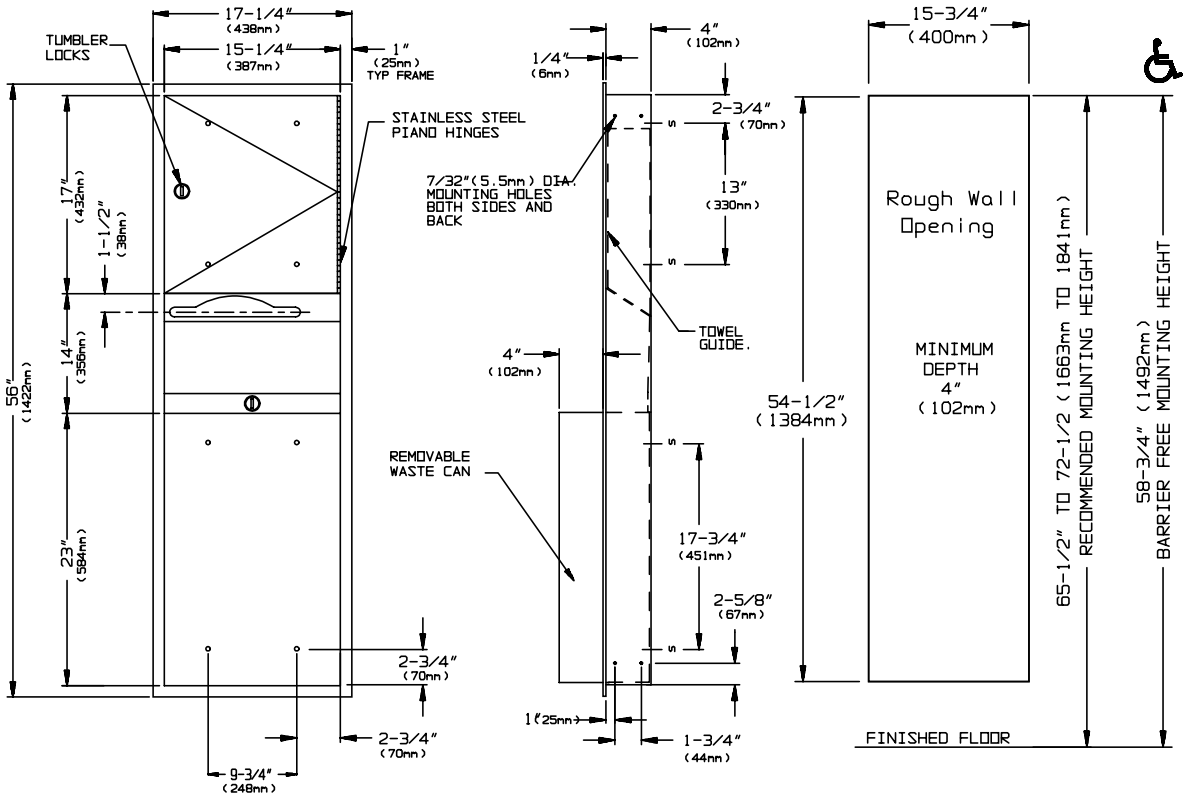
Public Restrooms
Employee Areas

Phone: (914) 476-9000 Email:	
ALTERNATE MANUFACTURER 2 Vendor Name: Bobrick Contact Name: Scott Liss Phone: (704) 405-0667 Email: scottl@repsouth.com	
ALTERNATE MANUFACTURER 3 Vendor Name: GAMCO, Inc, a Division of Bobrick Contact Name: Phone: (580) 924-8066 Email:	
ALTERNATE MANUFACTURER 4	

AMERICAN SPECIALTIES, INC.
441 Saw Mill River Road, Yonkers, NY 10701 (914) 476-9000

MODEL No:	0469
ISSUED:	1-87
REVISED:	9-04

RECESSED PAPER TOWEL DISPENSER AND WASTE RECEPTACLE



SPECIFICATION

Paper Towel Dispenser and Waste Receptacle shall hold and dispense 800 standard multi-fold or 600 standard C-fold paper towels and shall have a waste capacity of 12 gal (46litres). Towel dispenser, door, frame, waste container and cabinet shall be fabricated of alloy 18-8 stainless steel, type 304, 22 gauge All exposed surfaces shall be № 4 satin finish and be protected during shipment with a PVC film easily removable after installation. Towel dispensing slot shall have a fully hemmed-in rolled edge for snag-free dispensing and user safety. Door shall be fabricated in double-pan construction with fiberboard filler and shall be attached to cabinet at side with a full length 3/16"dia. stainless steel multi-staked piano hinge and be held closed with a tumbler lock keyed alike to other ASI washroom equipment. Waste container shall have hemmed edges for safety and shall be retained by a tumbler lock keyed alike to other ASI washroom equipment. Face trim shall be 1" (25.4mm) wide formed from one piece with no mitres, welding or open seams and have 1/4" (6.35mm) square return to wall. Structural assembly of all components shall be of welded construction. Cabinet shall have no exposed fastening devices or spot welded seams.

Paper Towel Dispenser and Waste Receptacle shall be Model № 0469 as manufactured by American Specialties, Inc., 441 Saw Mill River Road, Yonkers, New York 10701-4913

INSTALLATION

Unit is mounted in wall recess using four (4) № 10 self tapping screws (by others) through concealed mounting holes provided.
Note that top of rough wall opening is 3/4" (19mm) below top of unit.

Rough Wall Opening required is…….15-3/4"W. x 54-1/2"H. x 4"D. minimum (400mm x 1384mm x 102mm)

OPERATION

Towels are self-feeding until supply is depleted. Waste container is emptied manually on cycle determined by maintenance needs. Locked compartment prevents unauthorized access.

THIS MANUFACTURER RESERVES THE RIGHT TO MAKE CHANGES IN DESIGN OR DIMENSIONS WITHOUT FORMAL NOTICE

Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-803-BW_EMP RR

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Soap Dispenser
Item Type	N/A
Description	Lavatory mounted soap dispenser
Manufacturer	Bobrick Washroom Equipment
Model	B-8226 (Bobrick Contura Series)
Dimensions	13" L x 5-1/16" D x 16-3/4" H overall 34 fl oz capacity
Quality Standards	Not applicable
Content	Metal / Stainless Steel
Finish	Satin Finish
Lead Time	2-3 days
Warranty	3-Year Warranty

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Bobrick
Contact Name: Scott Liss
Phone: (704) 405-0667
Email: scottl@repsouth.com

ALTERNATE MANUFACTURER 2

Vendor Name: American Specialties, Inc
Contact Name:
Phone: (914) 476-9000
Email:

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms
Employee Areas

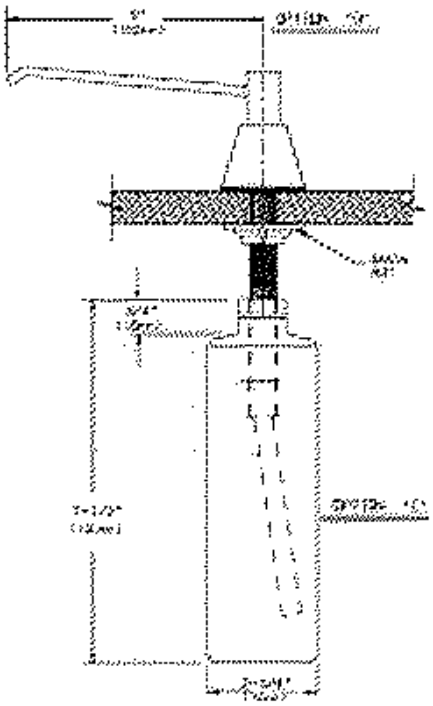
Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-803-LI_EMP RR

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Soap Dispenser
Item Type	Lavatory Mounted Soap Dispenser
Description	Lavatory mounted soap dispenser.
Manufacturer	American Specialties, Inc.
Model	AS 0332D
Dimensions	6" spout
Color	Stainless Steel
Finish	Satin
CSI #	102800 - Toilet, Bath, and Laundry Accessories
Omniclass #	22-102800 Toilet, Bath, and Laundry Accessories
Part of an Assembly	N



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: American Specialties, Inc
Contact Name:
Phone: (914) 476-9000
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Bobrick
Contact Name: Scott Liss
Phone: (704) 405-0667
Email: scottl@repsouth.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms
Employee Areas

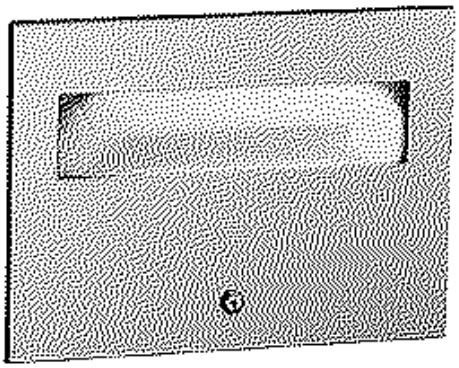
Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-804-BW_EMP RR

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Seat Cover Dispenser
Item Type	Single Seat Cover Dispenser
Description	Recessed seat cover dispenser
Manufacturer	Bobrick Washroom Equipment
Model	B-3013
Dimensions	17-9/16" W x 2 1/2" D x 13 1/16" H overall
Finish	Satin
Material Composition	Stainless Steel
CSI #	102800 - Toilet, Bath, and Laundry Accessories
Omniclass #	22-102800 Toiler, Bath, and Laundry Accessories
Quality Standards	Not applicable
Lead Time	2-3 days
Warranty	Warranted to be free from defects in workmanship and material under normal usage service for one year from the date of purchase



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Bobrick
Contact Name: Scott Liss
Phone: (704) 405-0667
Email: scottl@repsouth.com

ALTERNATE MANUFACTURER 2

Vendor Name: American Specialties, Inc
Contact Name:
Phone: (914) 476-9000
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: GAMCO, Inc, a Division of Bobrick
Contact Name:
Phone: (580) 924-8066
Email:

ALTERNATE MANUFACTURER 4

AREAS

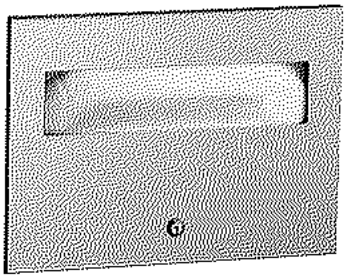
Public Restrooms
Employee Areas

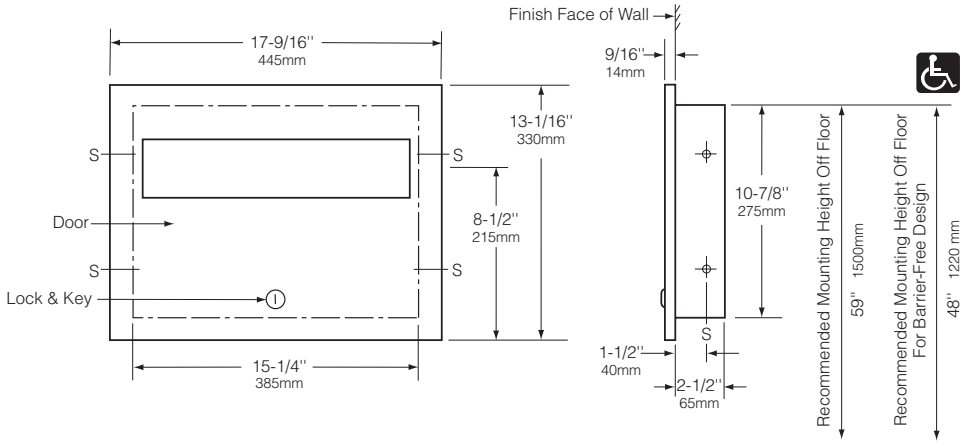
BOBRICK

Technical Data

RECESSED TOILET-SEAT-COVER DISPENSER

B-3013





Rough Wall Opening
15-5/8" (395mm) wide
11-1/4" (285mm) high
2-3/4" (70mm) minimum
recessed depth

MATERIALS:

Cabinet — 18-8 S, type-304, heavy-gauge stainless steel. All-welded construction.

Door — 18-8 S, type-304, 18-gauge (1.2mm) stainless steel with satin finish. 9/16" (14mm) 90° return for maximum rigidity. Secured to cabinet with a concealed, full-length stainless steel piano-hinge. Equipped with a tumbler lock keyed like other Bobrick washroom accessories.

OPERATION:

Dispenses single- or half-fold paper toilet seat covers. To fill dispenser, door unlocks with key provided. Capacity: 500 toilet seat covers.

INSTALLATION:

Provide framed rough wall opening 15-5/8" wide x 11-1/4" high (395 x 285mm). Minimum recessed depth required from finish face of wall is 2-3/4" (70mm). Allow clearance for construction features that may protrude into rough wall opening from opposite wall. Coordinate with mechanical engineer to avoid pipes, vents, and conduits in wall. Mount cabinet with shims between framing and cabinet at all points indicated by an *S,* then secure unit with four #8 x 1-1/4" (4.2 x 32mm) sheet-metal screws (not furnished).

SPECIFICATION:

Recessed toilet-seat-cover dispenser shall be type-304 stainless steel with all-welded construction; exposed surfaces shall have satin finish. Door shall be 18 gauge (1.2mm); have 9/16" (14mm) 90° return edges; be secured to cabinet with a concealed, full-length stainless steel piano-hinge; and equipped with a tumbler lock keyed like other Bobrick washroom accessories. Dispenser shall have a minimum capacity of 500 paper toilet seat covers. Manufacturer's service and parts manual shall be provided to the building owner/manager upon completion of project.

Recessed Toilet-Seat-Cover Dispenser shall be Model B-3013 of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.

The illustrations and descriptions herein are applicable to production as of the date of this Technical Data Sheet.
The manufacturer reserves the right to, and does from time to time, make changes and improvements in designs and dimensions.

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Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-804-GA_EMP RR

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Seat Cover Dispenser
Item Type	Single Seat Cover Dispenser
Description	Recessed toilet seat cover dispenser.
Manufacturer	GAMCO, Inc, A Bobrick Company
Model	TSC-8
Dimensions	17 1/8" x 12 3/4" x 2 1/2"
Color	Stainless Steel
Finish	Satin
CSI #	102800 - Toilet, Bath, and Laundry Accessories
Omniclass #	22-102800 Toilet, Bath, and Laundry Accessories
Part of an Assembly	N

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: GAMCO, Inc, a Division of Bobrick
Contact Name:
Phone: (580) 924-8066
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Bobrick
Contact Name: Scott Liss
Phone: (704) 405-0667
Email: scottl@repsouth.com

ALTERNATE MANUFACTURER 3

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 4

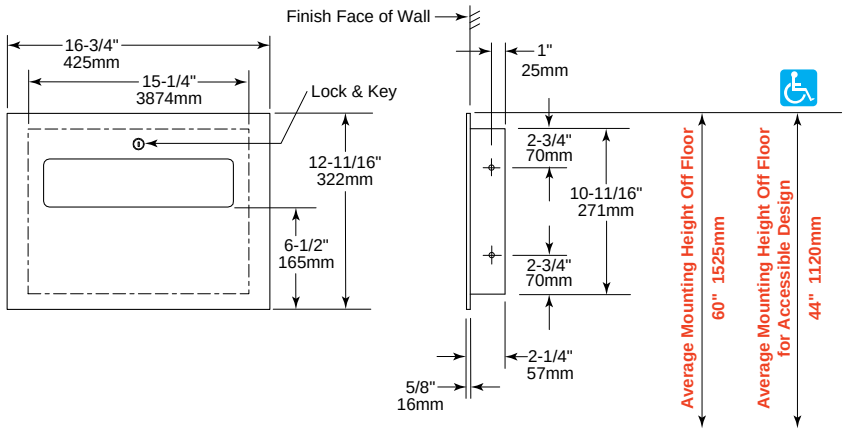
AREAS

Public Restrooms
Employee Areas

GAMCO
Commercial Restroom Accessories
Technical Data

RECESSED COVERALL TOILET SEAT-COVER DISPENSER

TSC-8



Rough Wall Opening
15-5/8" (395mm) wide
11-1/4" (286mm) high
2" (51mm) minimum
recessed depth

CONSTRUCTION:

Unit fabricated of type 304 stainless steel with exposed surfaces having a #4 satin-finish. One piece seamless door construction, EXTRA HEAVY 18-gauge (2mm) with 5/8" (16mm) return for rigidity. Door is mounted to cabinet with continuous stainless steel piano hinge and fitted with tumbler lock. All welded construction.

CAPACITY:

Dispenses 500 toilet seat covers.

INSTALLATION:

Provide framed wall opeining. Recessed depth reuired from finish face of wall is 2" (51mm). Check plans and coordinate with mechanical engineers to avoid protrusion from opposite wall, pipes, conduits, electrical wires, etc. If installing in plaster wall, recommend grounding. If installing where unit projects above top of wainscot, provide filler to prevent gap from finished wall and flange of unit. If installing in block walls, use metal expansion shields.

OVERALL DIMENSIONS:

16-3/4" W x 12-11/16" H x 2-1/4" D (425 x 322 x 57mm)

Recessed Coverall Toilet Seat-Cover Dispenser shall be Model TSC-8 of Gamco Commercial Restroom Accessories, One Gamco Place, Durant, OK, 74701-1910

The illustrations and descriptions herein are applicable to production as of the date of this Technical Data Sheet.
The manufacturer reserves the right to, and does from time to time, make changes and improvements in designs and dimensions.

Revised 2/05/16 Printed in U.S.A.
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Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-804-LI_EMP RR

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Seat Cover Dispenser
Item Type	Single Seat Cover Dispenser
Description	Recessed toilet seat cover dispenser.
Manufacturer	American Specialties, Inc (Lixil Parent Company)
Model	6477
Dimensions	12 3/4" x 17 1/4" x 2 3/8"
Color	Stainless Steel
Finish	Satin
CSI #	102800 - Toilet, Bath, and Laundry Accessories
Omniclass #	22-102800 Toilet, Bath, and Laundry Accessories
Part of an Assembly	N

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: American Specialties, Inc
Contact Name:
Phone: (914) 476-9000
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Bobrick
Contact Name: Scott Liss
Phone: (704) 405-0667
Email: scottl@repsouth.com

ALTERNATE MANUFACTURER 3

Vendor Name: GAMCO, Inc, a Division of Bobrick
Contact Name:
Phone: (580) 924-8066
Email:

ALTERNATE MANUFACTURER 4

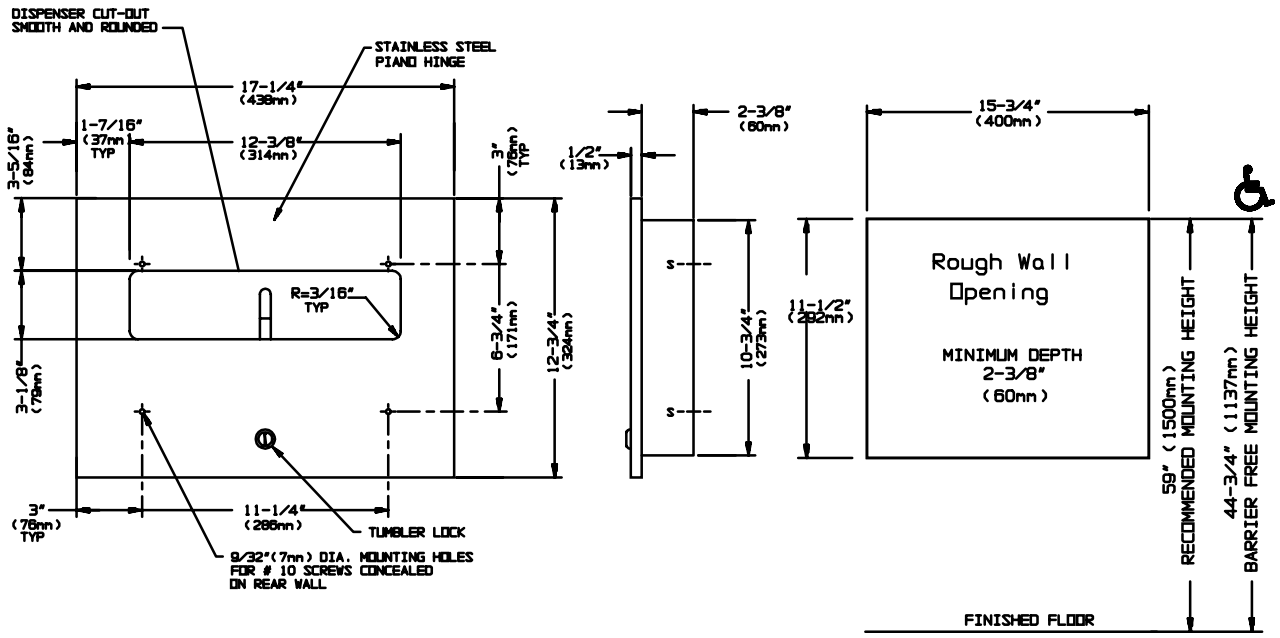
AREAS

Public Restrooms
Employee Areas

AMERICAN SPECIALTIES, INC.
441 Saw Mill River Road, Yonkers, NY 10701 (914) 476-9000

MODEL No:	6477
ISSUED:	1-87
REVISED:	11-04

RECESSED TOILET SEAT COVER DISPENSER



SPECIFICATION

Recessed Toilet Seat Cover Dispenser shall hold and dispense 500 standard single or half-fold paper toilet seat covers contained in supply box and shall have cabinet, frame and door fabricated of alloy 18-8 stainless steel, type 304. Cabinet shall be Nº20 gauge with a 1″ (25mm) wide perimeter return to lay flat against wall or partition. Door shall be fabricated of 18 gauge with a 1/2″ (13mm) square return to wall with no open seams visible on door face. Door shall be attached to top of cabinet with a full length 3/16″ (5mm) dia. stainless steel multi-staked piano hinge and shall be held closed with a tumbler lock keyed alike to other ASI washroom equipment. All exposed surfaces shall be Nº 4 satin finish and shall be protected during shipment with a PVC film easily removable after installation. Cover dispensing slot shall have a fully deburred flat edge for snag-free dispensing and user safety. Structural assembly of cabinet and door components shall be of welded construction and shall have no exposed fasteners or welded seams.

Recessed Toilet Seat Cover Dispenser shall be Model Nº 6477 as manufactured by American Specialties, Inc., 441 Saw Mill River Road, Yonkers, New York 10701-4913

INSTALLATION

Unit is mounted in wall recess using Nº 10 self tapping screws (by others). Mounting holes are provided in side and rear walls of cabinet and are accessible through door for installation. Note that top of dispenser slot is 2-1/2″ (64mm) below top of rough wall opening.

Rough Wall Opening required is.... 15-3/4″W x 11-1/2″H x 2-1/2″D. (400mm x 292mm x 64mm).

OPERATION

Covers are self-feeding until supply is depleted. Unit is manually reloaded with a full box through access door on schedule determined by maintenance requirements.

THIS MANUFACTURER RESERVES THE RIGHT TO MAKE CHANGES IN DESIGN OR DIMENSIONS WITHOUT FORMAL NOTICE

Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-805-BW_EMP RR

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Feminine Napkin Disposal
Item Type	Recessed Sanitary Napkin Disposal
Description	Recessed sanitary napkin disposal.
Manufacturer	Bobrick Washroom Equipment, Inc
Model	B-353
Dimensions	17 3/16" x 12 3/4" x 3 15/16"
Color	Stainless Steel
Finish	Satin
CSI #	102800 - Toilet, Bath, and Laundry Accessories
Omniclass #	22-102800 Toilet, Bath, and Laundry Accessories
Part of an Assembly	N

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Bobrick
Contact Name: Scott Liss
Phone: (704) 405-0667
Email: scottl@repsouth.com

ALTERNATE MANUFACTURER 2

Vendor Name: GAMCO, Inc, a Division of Bobrick
Contact Name:
Phone: (580) 924-8066
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 4

AREAS

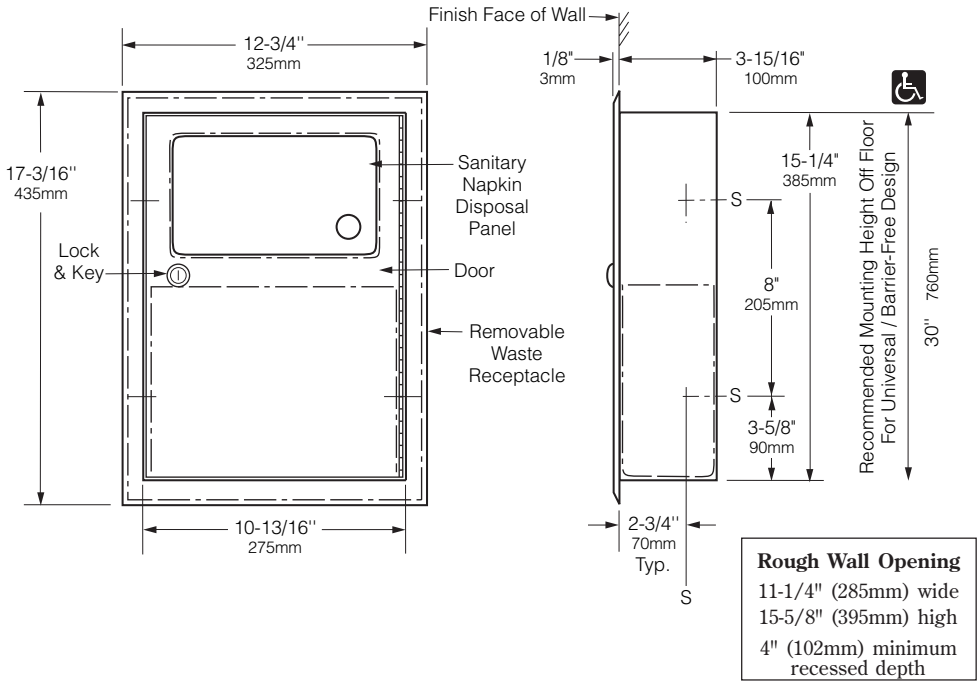
Public Restrooms
Employee Areas

BOBRICK

Technical Data

RECESSED SANITARY NAPKIN DISPOSAL

B-353



Rough Wall Opening
11-1/4" (285mm) wide
15-5/8" (395mm) high
4" (102mm) minimum recessed depth

MATERIALS:

Cabinet — 18-8 S, type-304, heavy-gauge stainless steel. All-welded construction. Exposed surfaces have satin finish.

Flange — 18-8 S, type-304, 22-gauge (0.8mm) stainless steel with satin finish. Drawn and beveled, one-piece, seamless construction.

Door — 18-8 S, type-304, 22-gauge (0.8mm) stainless steel with satin finish. Secured to cabinet with a full-length stainless steel piano-hinge. Equipped with a tumbler lock keyed like other Bobrick washroom accessories.

Disposal Panel — 18-8 S, type-304, 22-gauge (0.8mm) stainless steel with satin finish. Bottom edge hemmed for safety. Secured to door with a spring-loaded, full-length stainless steel piano-hinge. Equipped with an international graphic symbol identifying sanitary napkin disposal.

Waste Receptacle — Leak-proof, rigid molded polyethylene. Removable for servicing. Capacity: 1.2 gal. (4.6 L).

OPERATION:

Unit is equipped with a self-closing panel covering disposal opening. Napkin disposal is emptied by opening door with furnished key and removing waste receptacle. Disposable paper liners for the receptacle are available as an optional accessory: order Bobrick Part No. 353-12.

INSTALLATION:

Provide framed rough wall opening 11-1/4" wide x 15-5/8" high (285 x 395mm). Minimum recessed depth required from finish face of wall is 4" (102mm). Allow clearance for construction features that may protrude into rough wall opening from opposite wall. Coordinate with mechanical engineer to avoid pipes, vents, and conduits. Mount unit in wall opening with shims between framing and cabinet at all points indicated by an *S*, then secure unit with four #8 x 1-1/4" (4.2 x 32mm) sheet-metal screws (not furnished).

SPECIFICATION:

Recessed sanitary napkin disposal shall be type-304 stainless steel with all-welded construction; exposed surfaces shall have satin finish. Door shall be secured to cabinet with a full-length stainless steel piano-hinge and equipped with a tumbler lock keyed like other Bobrick washroom accessories. Unit shall have a self-closing panel covering disposal opening. Panel shall have bottom edge hemmed for safety, be secured to door with a spring-loaded, full-length stainless steel piano-hinge, and equipped with an international graphic symbol identifying sanitary napkin disposal. Unit shall be furnished with a removable, leak-proof molded polyethylene receptacle. Receptacle shall have a capacity of 1.2 gal. (4.6 L). Manufacturer's service and parts manual shall be provided to the building owner/manager upon completion of project.

Recessed Sanitary Napkin Disposal shall be Model B-353 of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.

The illustrations and descriptions herein are applicable to production as of the date of this Technical Data Sheet.
The manufacturer reserves the right to, and does from time to time, make changes and improvements in designs and dimensions.

Revised 5/06 Printed in U.S.A.
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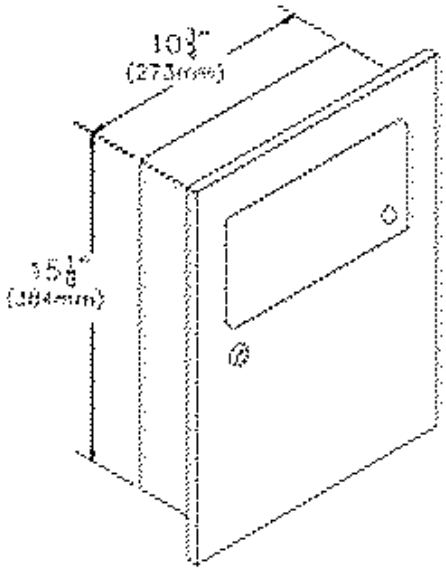
Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-805-GA_EMP RR

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Feminine Napkin Disposal
Item Type	Recessed Sanitary Napkin Disposal
Description	Wall mounted recessed sanitary napkin disposal.
Manufacturer	GAMCO, Inc, A Bobrick Company
Model	ND-4
Dimensions	12 3/4" x 17 1/8"
Color	Stainless Steel
Finish	Satin
CSI #	102800 - Toilet, Bath, and Laundry Accessories
Omniclass #	22-102800 Toilet, Bath, and Laundry Accessories
Part of an Assembly	N



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: GAMCO, Inc, a Division of Bobrick
Contact Name:
Phone: (580) 924-8066
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Bobrick
Contact Name: Scott Liss
Phone: (704) 405-0667
Email: scottl@repsouth.com

ALTERNATE MANUFACTURER 3

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 4

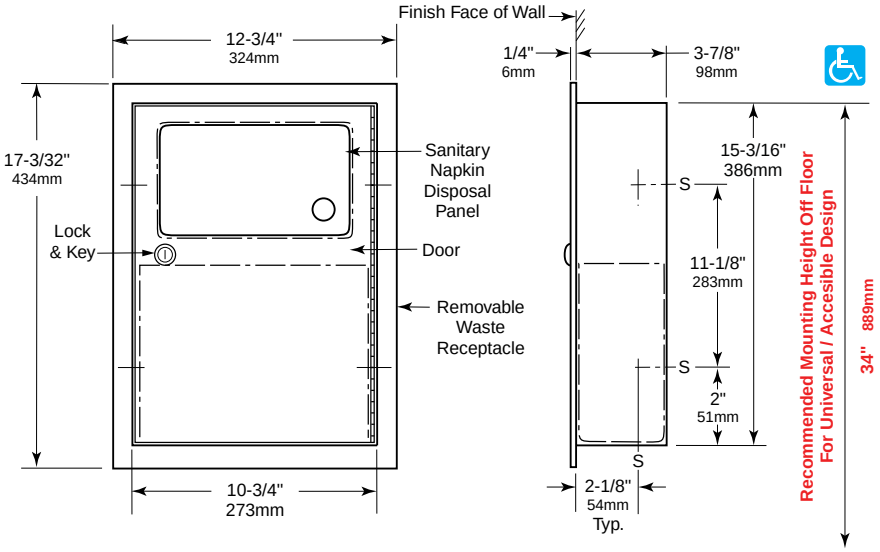
AREAS

Public Restrooms
Employee Areas

GAMCO
Commercial Restroom Accessories
Technical Data

RECESSED SANITARY NAPKIN DISPOSAL

ND-4



Rough Wall Opening
11" (279mm) wide
15-7/16" (392mm) high
3-15/16" 100mm) minimum recessed depth

MATERIALS:

Cabinet — 18-8, Type-304, heavy-gauge stainless steel. All-welded construction. Exposed surfaces have satin finish.

Flange — 18-8, Type-304, 22-gauge (0.8mm) stainless steel with satin finish. One-piece, seamless construction with 1/4" (6mm) return for rigidity.

Door — 18-8, Type-304, 18-gauge (1.2mm) stainless steel with satin finish. Secured to cabinet with a full-length stainless steel piano-hinge. Equipped with a tumbler lock keyed like other Gamco restroom accessories.

Disposal Panel — 18-8, Type-304, 22-gauge (0.8mm) stainless steel with satin finish. Secured to door with a spring-loaded, full-length stainless steel piano-hinge. Equipped with an international graphic symbol identifying sanitary napkin disposal.

Waste Receptacle — Leak-proof, rigid molded polyethylene. Removable for servicing. Capacity: 1.2-gal. (4.6-L).

OPERATION:

Unit is equipped with a self-closing panel covering disposal opening. Napkin disposal is emptied by opening door with furnished key and removing waste receptacle.

INSTALLATION:

Provide framed rough wall opening 10-3/4" wide x 15-3/16" high (273 x 386mm). Minimum recessed depth required from finish face of wall is 3-15/16" (100mm). Allow clearance for construction features that may protrude into rough wall opening from opposite wall. Coordinate with mechanical engineer to avoid pipes, vents, and conduits. Mount unit in wall opening with shims between framing and cabinet at all points indicated by an *S*, then secure unit with four #8 x 1-1/4" (4.2 x 32mm) sheet-metal screws (not furnished).

SPECIFICATION:

Recessed sanitary napkin disposal shall be Type-304 stainless steel with all-welded construction; exposed surfaces shall have satin finish. Door shall be secured to cabinet with a full-length stainless steel piano-hinge and equipped with a tumbler lock keyed like other Gamco restroom accessories. Unit shall have a self-closing panel covering disposal opening. Panel shall be secured to door with a spring-loaded, full-length stainless steel piano-hinge, and equipped with an international graphic symbol identifying sanitary napkin disposal. Unit shall be furnished with a removable, leak-proof molded polyethylene receptacle. Receptacle shall have a capacity of 1.2-gal. (4.6-L).

Recessed Sanitary Napkin Disposal shall be Model ND-4 of Gamco Commercial Restroom Accessories, One Gamco Place, Durant, OK, 74701-1910

The illustrations and descriptions herein are applicable to production as of the date of this Technical Data Sheet.
The manufacturer reserves the right to, and does from time to time, make changes and improvements in designs and dimensions.

Revised 8/27/18 Printed in U.S.A.
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Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-805-LI_EMP RR

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Feminine Napkin Disposal
Item Type	Recessed Sanitary Napkin Disposal
Description	Recessed sanitary napkin disposal
Manufacturer	American Specialties, Inc (Lixil Parent Company)
Model	0473
Dimensions	13" x 17 1/4" x 4"
Color	Stainless Steel
Finish	Satin
CSI #	102800 - Toilet, Bath, and Laundry Accessories
Omniclass #	22-102800 Toilet, Bath, and Laundry Accessories
Part of an Assembly	N

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 2

Vendor Name: Bobrick
Contact Name: Scott Liss
Phone: (704) 405-0667
Email: scottl@repsouth.com

ALTERNATE MANUFACTURER 3

Vendor Name: GAMCO, Inc, a Division of Bobrick
Contact Name:
Phone: (580) 924-8066
Email:

ALTERNATE MANUFACTURER 4

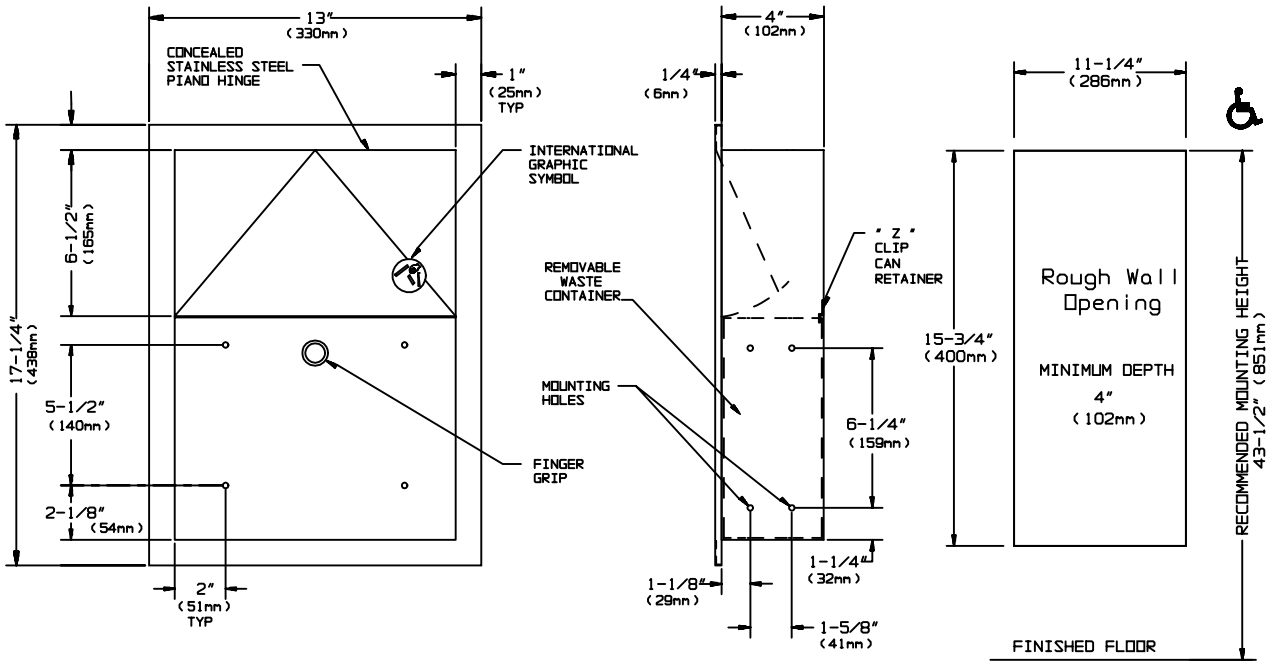
AREAS

Public Restrooms
Employee Areas

AMERICAN SPECIALTIES, INC.
441 Saw Mill River Road, Yonkers, NY 10701 (914) 476-9000

MODEL No:	0473
ISSUED:	1-87
REVISED:	9-04

RECESSED SANITARY NAPKIN DISPOSAL



SPECIFICATION

Recessed Sanitary Napkin Disposal shall hold 1.5gal (5.7 liters) of dry solids. Upper door, waste container and cabinet frame shall be fabricated of alloy 18-8 stainless steel, type 304, 22 gauge. Structural assembly of body and door components shall be of welded construction. Upper door shall be hung on cabinet with a stainless steel spring hinge and have the international waste symbol on face. All exposed surfaces shall have a № 4 satin finish and be protected during shipment with a PVC film that shall be easily removable after installation. Face trim shall be of one piece construction 1" (25.4mm) wide with no welded miters and shall have square 1/4" (6.35mm) return to wall..

Recessed Sanitary Napkin Disposal shall be Model № 0473 as manufactured by American Specialties, Inc., 441 Saw Mill River Road, Yonkers, New York 10701-4913

INSTALLATION

Unit is mounted in wall recess using № 10 self tapping screws (by others) through concealed mounting holes provided. Note that top of rough wall opening is 3/4" (19mm) below top of unit.

Rough Wall Opening required is……..11-1/4" W x 15-3/4" H x 4" D. minimum (286mm x 400mm x 102mm)

OPERATION

Users push door to deposit waste material. Door is self-closing. Unit is emptied by removing can and removing disposable waxed waste paper bag which is furnished by others. Waste container is held in place by a "Z" clip retainer to prevent inadvertent dumping of contents. Safety-edged finger grip provides convenient grip for service.

THIS MANUFACTURER RESERVES THE RIGHT TO MAKE CHANGES IN DESIGN OR DIMENSIONS WITHOUT FORMAL NOTICE

Public Guest Laundry

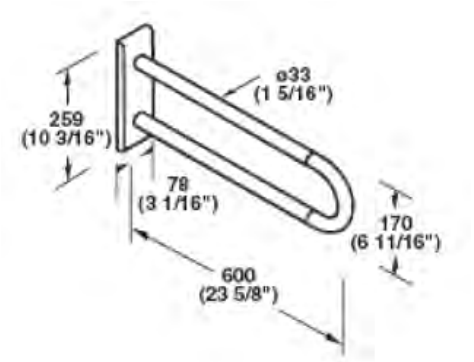
Towneplace Suites by Marriott
TOILET ACCESSORIES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TA-901-HA_PG
LAUNDRY

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Hanging Bar
Item Type	Hanging Bar
Description	Hanging bar.
Manufacturer	Hafele America Co.
Model	988.79.799.M
Dimensions	Refer to attachment
CSI #	102800



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Hafele America Co
Contact Name: Ty Lefever
Phone: (815) 315-3410
Email: ty.lefever@hafele.us

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

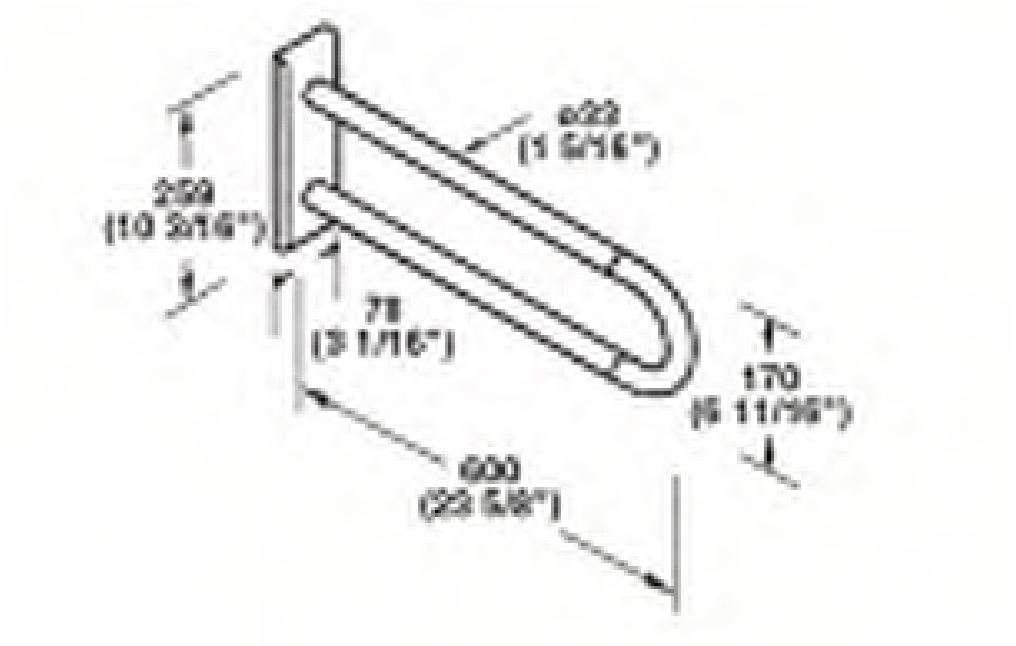
AREAS

Guest Laundry

Hafele America Co.
Model: Hanging Bar

Hanging Bar

Häfele/HEWI # 988.79.799.M



SPECIAL CONSTRUCTION

Indoor Pool

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Swimming pool - Site-constructed, Shotcrete
Item Type	Shotcrete swimming pool
Description	Shotcrete swimming pool with pressure filter system, flow meters, water treatment system, heaters, recirculating pumps, motors, piping, deck drainage system, piping, fittings, lights, accessories, and finishes.
Manufacturer	Paragon Aquatics
Model	Paragon Aquatics
Dimensions	Refer to the Design Guideline Drawings
Finish	Tile and plaster finish
Material Composition	Shotcrete
CSI #	033713 Shotcrete
Omniclass #	22-033713 Shotcrete
Quality Standards	National Sanitary Foundation/American National Standards Institute (NSF/ANSI) Standard 50 - Circulation System Components and Related Materials for Swimming Pools, Spas/Hot TubsNSF/ANSI 50. NSF Approval Rating. Tested to ANSI/NSPI 1; certified by IAPMO.
Accessibility Compliance	ADA and ANSI A117.1
Accessories	Pool depth markings; No Diving sign tile, grab rail, deck plate, escutcheon, and ladder
Warranty	1 year

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS

Maintenance materials: Provide a supply of water treatment chemicals sufficient to start-up and operate the system during the first week of operation.

MANUFACTURER	AREAS
Vendor Name: KDI Paragon Aquatics Contact Name: Phone: 845-452-5500 Email:	Indoor Pool
ALTERNATE MANUFACTURER 2	
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Towneplace Suites by Marriott
SPECIAL CONSTRUCTION
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

SPL-002-MY

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Swimming pool - packaged
Item Type	Packaged swimming pool
Description	Pre-engineered, modular swimming pool system, with pool wall and floor panels, PVC liner, piping, and equipment.
Manufacturer	A & T Europe S.p.A./Sports & Leisure Dept.
Model	Myrtha Pool
Dimensions	Refer to the Design Guideline Drawings
Material Composition	Stainless steel, PVC-laminated stainless steel
CSI #	131111 - Prefabricated Swimming Pools
Omniclass #	22-131111 - Prefabricated Swimming Pools
Quality Standards	National Sanitary Foundation/American National Standards Institute (NSF/ANSI) Standard 50 - Circulation System Components and Related Materials for Swimming Pools, Spas/Hot TubsNSF/ANSI 50. NSF Approval Rating. Tested to ANSI/NSPI 1; certified by IAPMO.
Accessibility Compliance	ADA and ANSI A117.1
Accessories	Line Anchors; Bottom Drains; Grab Rail Anchors; Grab Rails; Soft-Walk PVC Mesh
Warranty	Structural Integrity: Twenty-five (25) years from date of Substantial Completion Water-Tightness: Ten (10) years from date of Substantial Completion. Miscellaneous Appurtenances and Accessories: One (1) year from date of Substantial Completion.

IMAGE NOT AVAILABLE

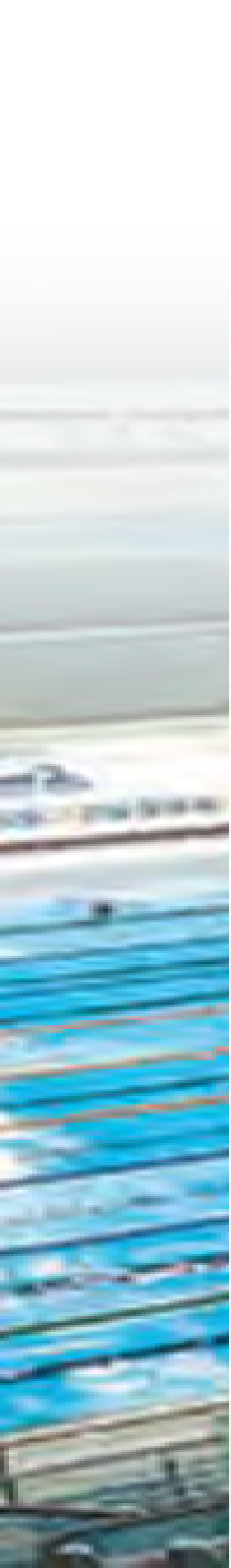
SPECIAL INSTRUCTIONS

Maintenance materials: Provide a supply of water treatment chemicals sufficient to start-up and operate the system during the first week of operation.

MANUFACTURER	AREAS
Vendor Name: A&T Europe S.p.A (Myrtha Pools) Contact Name: Phone: 941-955-2591 Email:	Indoor Pool
ALTERNATE MANUFACTURER 2	
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

MYRTHA POOLS®

Myrtha
Technology



MYRTHA POOLS®
WATER EXPERIENCE

Technology and materials

· Smart use of materials 4
· Key components 6
· Installation phases 8
· Models and applications 10
· Special solutions 14

Why choose Myrtha? 16

Water circulation 20

Accessories and additional systems

· Special systems 22
· Competition accessories 26
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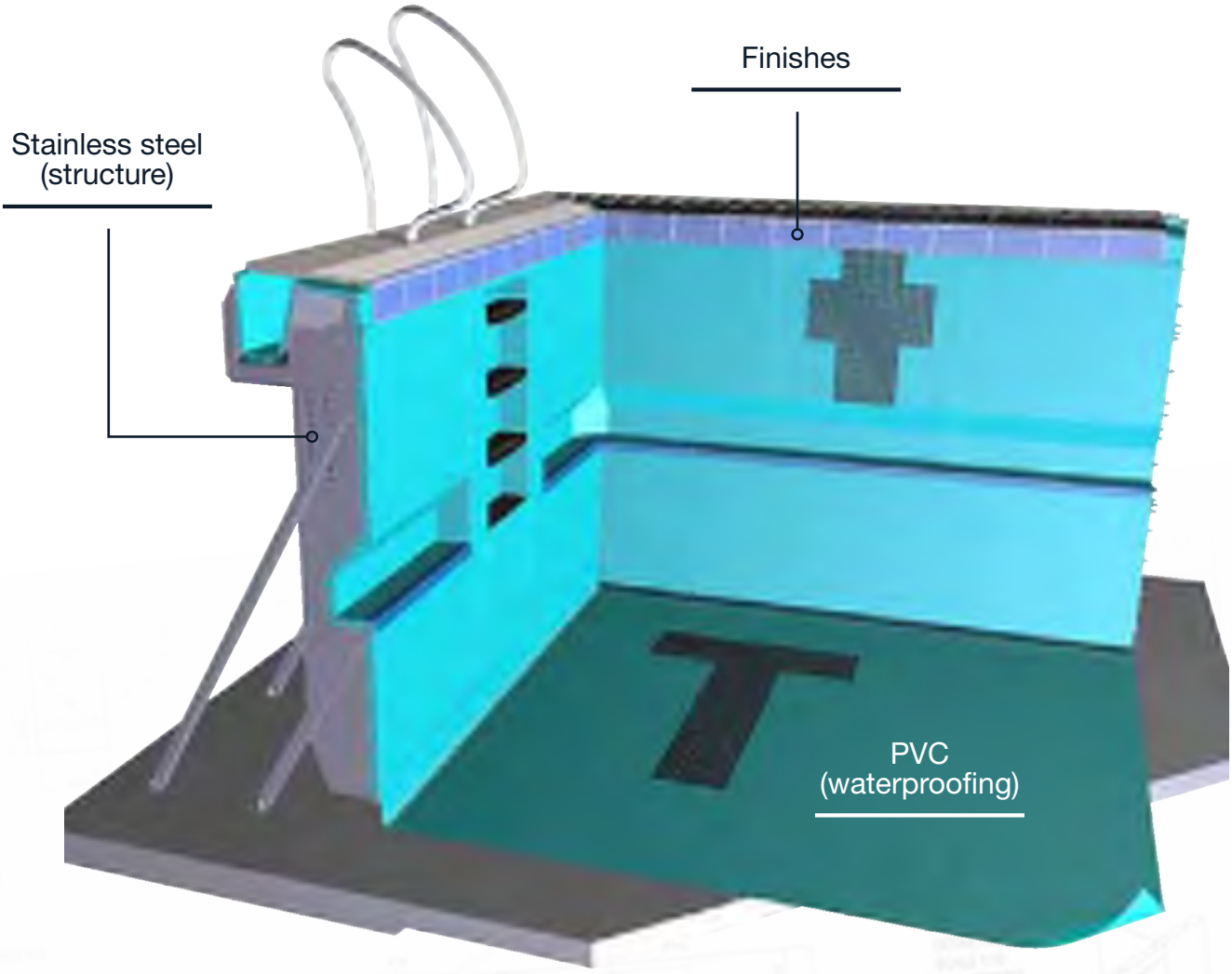
Applications and projects

· Competition pools 32
· Communities and leisure pools 34
· Hotels and resorts pools 36
· Health and fitness clubs pools 38
· Thermal and SPA pools 40
· Institutional pools 42
· Therapy and rehabilitation pools 44
· Temporary pools 46

Smart use **of materials**

Myrtha is the most exclusive and advanced technology in the swimming pool industry. It's patented pre-engineered modular system, based on the use of laminated stainless steel panels and buttress system, enables a Myrtha structure to attain perfect waterproofing. Myrtha Technology provides the ideal solution to the many limitations of traditional reinforced concrete structures and ordinary prefabricated swimming pools.

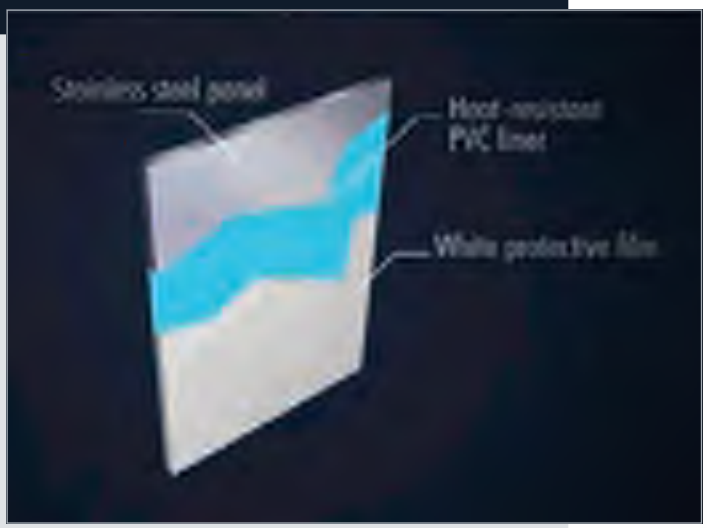


Stainless steel - structure

High quality stainless steel used in a Myrtha pool guarantees extremely long life to the structure regardless of the presence of highly aggressive soils or high water-tables. Myrtha uses exclusively-engineered components bolted together, thereby eliminating the need for welding, which is subject to increased corrosion. The use of stainless steel materials ensures maximum mechanical strength of the panels, buttresses and the other components that form the structure of the swimming pool.

PVC - waterproofing

Perfect waterproofing is ensured by the unique process of bonding PVC to the Myrtha steel panels. A hard PVC membrane is hot-laminated to the steel in the manufacturing process. A reinforced PVC membrane is used on the floor of the pool in order to follow the contours of the concrete sub-surface.

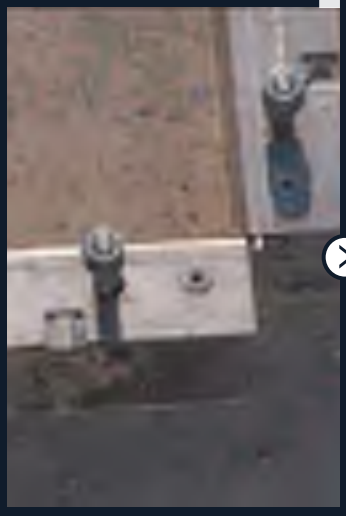


Finishes

For high level aestheric finishes, Myrtha technology uses a wide range of exclusive materials that match with the colours of the PVC.
Myrtha allows the use of special stone and marble finishes to ensure more elegance at the pool project.
This combination of materials and colors allow the client to personalize each and every swimming pool according to their specific needs.

Key components

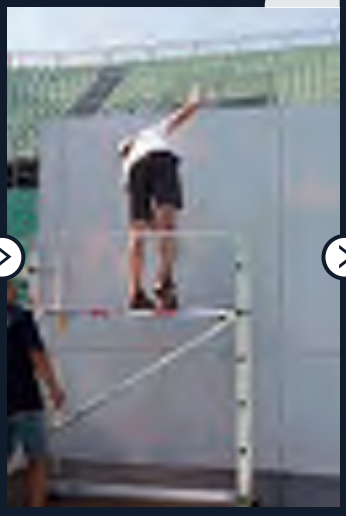
1



The base frame

The base frame that outlines the swimming pool is constructed of bolted steel sections that form the supporting structure for the Myrtha wall panels. It is mechanically connected firmly to the concrete footing by the use of chemical anchors. Rigidity is obtained by the use of numerous threaded bars (anchor bolts) which are anchored in the perimeter curb. The threaded anchor bolts also provide micrometric adjustment so that perfect leveling of the structure is achieved.

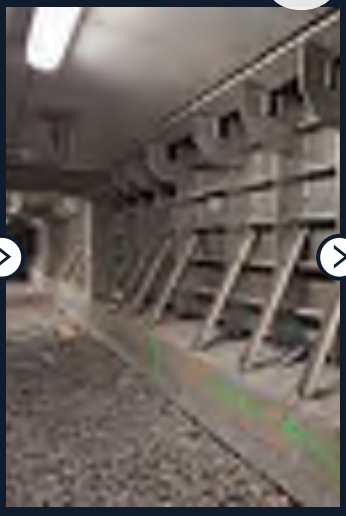
2



The wall structure

The pool walls are formed by the use of sturdy, prefabricated stainless steel pools panels. They are factory laminated with a permanently welded layer of hard PVC, and are then bolted to the base frame and to each other. Similar to the aviation industry, the use of actual steel welding is avoided, thus there are no potential corrosion points in a Myrtha structure. The exclusive use of stainless steel for the structural components and PVC for waterproofing means that there is minimal risk of corrosion with a high probability of leak-free construction.

3



The support buttresses

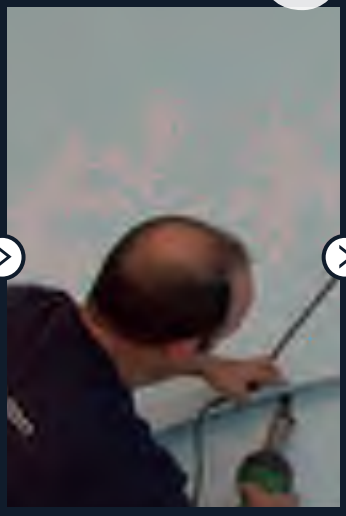
At vertical panel joint (3 feet), sturdy steel buttresses provide rigidity and strength to the structure. Each buttress is anchored to the concrete footing. The structure is both sturdy and elastic and is therefore ideal for installations with difficult ground conditions (e.g. seismic zones, or on unstable soils).

4

The overflow gutter

The Myrtha overflow gutter is made with the same material that is used for the wall panels and comes in a wide range of standard configurations. The gutter can be supplied with a design (“diagonal flow”) which limits the evaporation of chemicals and reduces the noise of the falling water. The patented Myrtha gutter grating has been designed to meet the strictest anti-slip and load requirements and the gutter dropouts can be supplied with silencers which virtually eliminate noise.

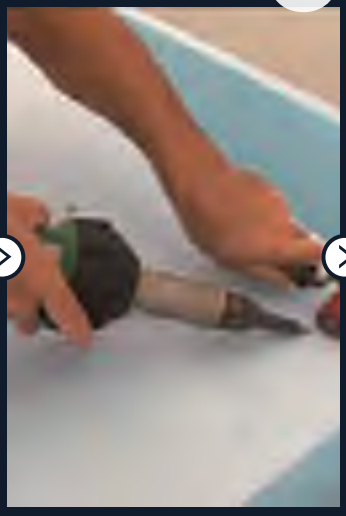
5



Floor reinforced membrane

The standard floor of a Myrtha pool is formed using a concrete slab, which needs only to provide a smooth support surface.
The slab is waterproofed by a reinforced PVC membrane, produced specifically for use with swimming pools and protected with a surface lacquering. Myrtha pools can be built without concrete as the sturdiness of the stainless steel structure is assured through the engineered footings. A special matting has been developed by Myrtha Pools to attain a smooth support surface for the membrane, whilst at the same time allowing subsurface drainage. In any type of Myrtha pool, this floor can be supplied with a user-friendly “Softwalk” floor.

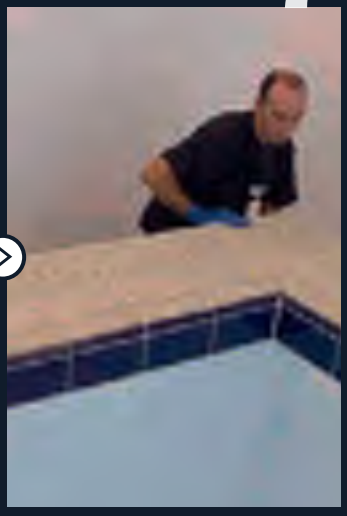
6



Fittings

In order to allow for better waterproofing all joints between the Myrtha sections are welded with a liquid PVC or a reinforced PVC tape. The result joint is extremely resistant, optically uniform to the panel surface and aesthetically pleasant.

7

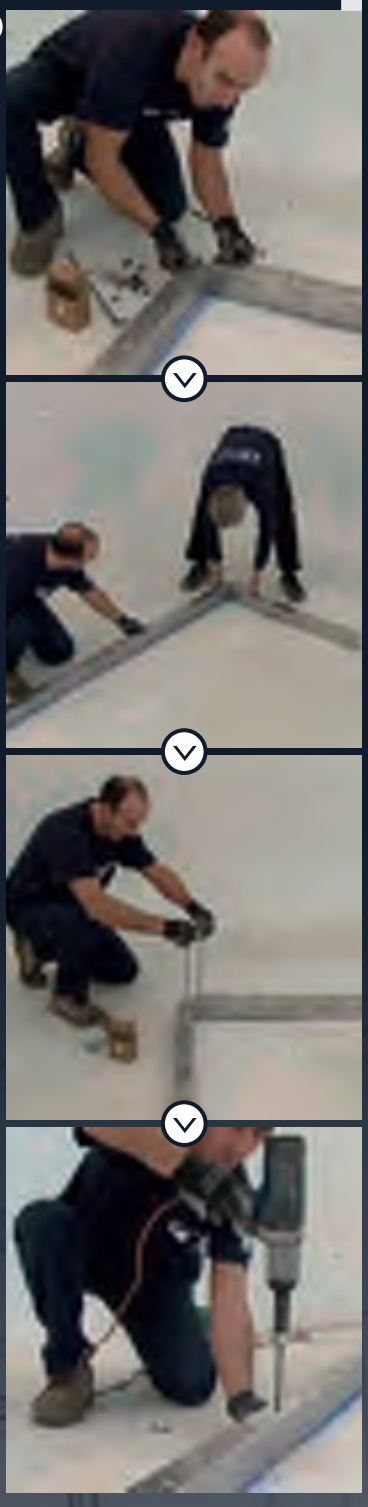


Finishing

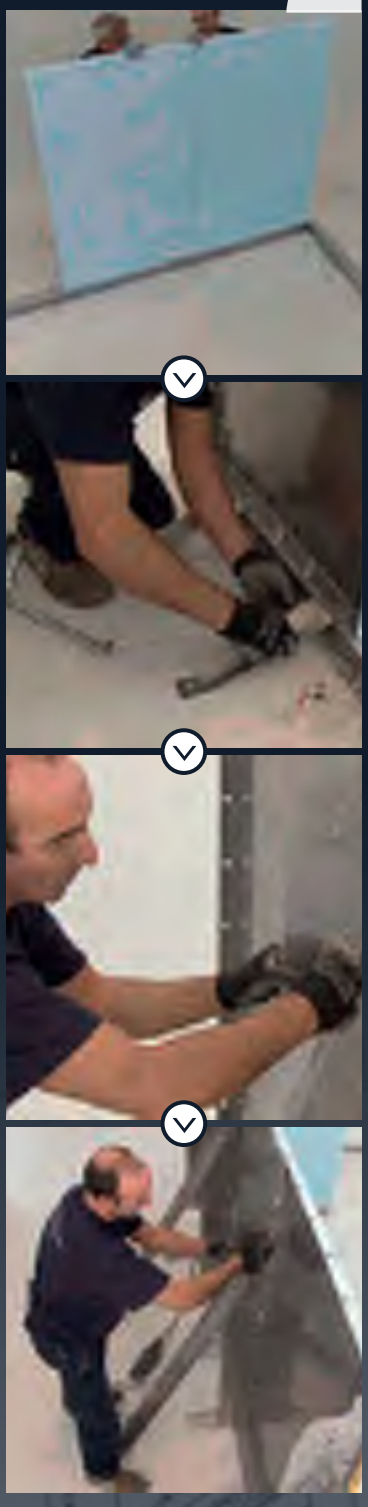
After the pool has been completely sealed and the overflow gutter installed, the ceramic tiles are applied onto the Myrtha surface. Gluing tile on a Myrtha stainless steel surface is much easier and safer that on concrete. As there is no possibility of water seepage from behind the tile, the traditional problem of poor long term adhesion is therefore eliminated.

Installation **phases**

1 Levelling



2 Wall construction



3 Overflow gutter

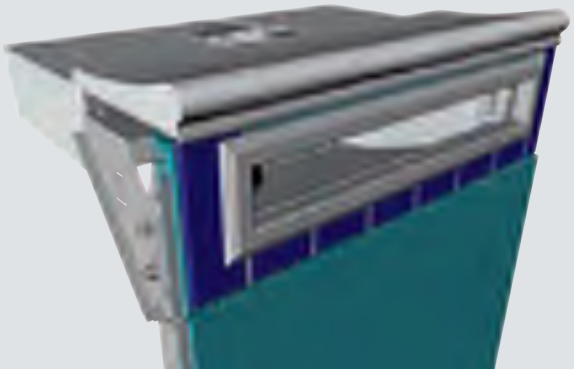
4 Waterproofing

5 Finishes

Models and **applications**

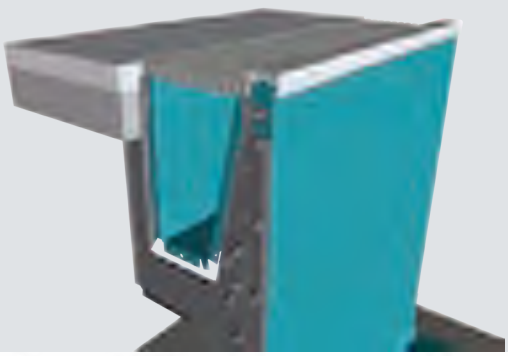
Skimmer

The traditional Skimmer version, which presents the water level lower than the floor level, has a ceramic finishing that enriches the visible part of the pool and helps cleaning operations. This system is ideal for public pools with reduced dimensions.



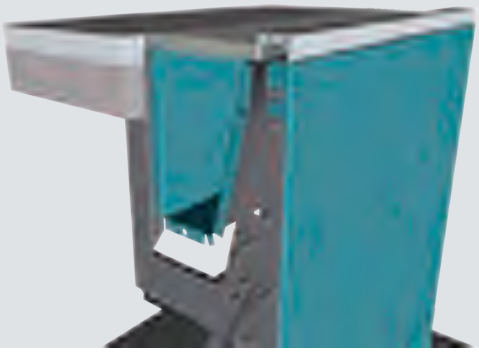
Overflow Gutter | Classic

Myrtha Classic Overflow is ideal for all the pools that guarantee an excellent water recycle with reduced dimensions and still maintain an aesthetically uniform mirroring surface. It is completed with a simple but pleasant PVC finishing on the highest part of the panel.



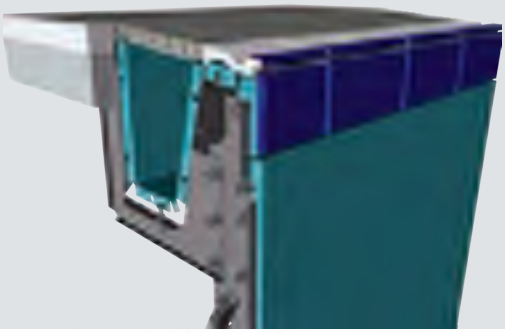
Overflow Gutter | Classic Competition

The Classic structure is ideal for big competition pools, as the PVC copying is flashed with wall panels, either on all the perimeter of the pool or only on the two short sides. This technology is also the most suitable for the renovation of pools that need to meet international regulations.



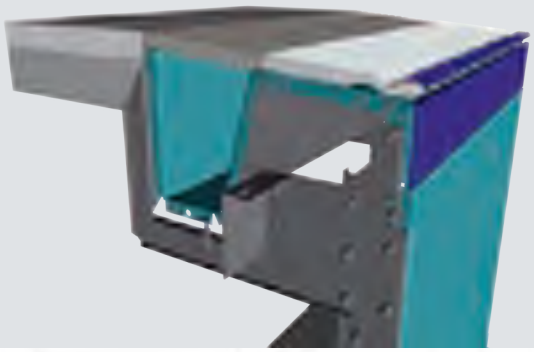
Overflow Gutter | Ceramic / 1

For public pools usually used for training sessions – schools, fitness centres and sports centres in general – Myrtha Ceramic1 is the most used and appreciated technology. Its ceramic tile places the overflow gutter slightly moved from the boarder so that the wave produced by the swimmer is better absorbed and does not reduce the swimmer's pace.



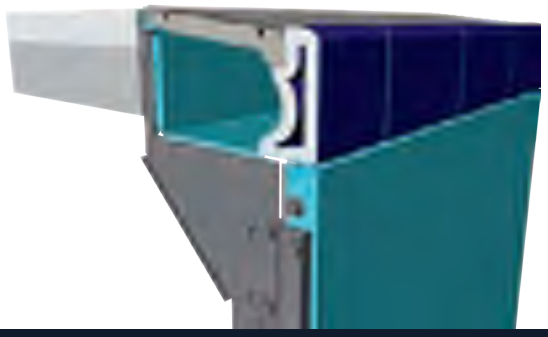
Overflow Gutter | Ceramic / 2

Myrtha Ceramic 2 presents two ceramic tiles that move even further the overflow gutter and guarantee the maximum absorbing coefficient of the wave impact during training lessons or competition events: the most suitable technology for completion implants.



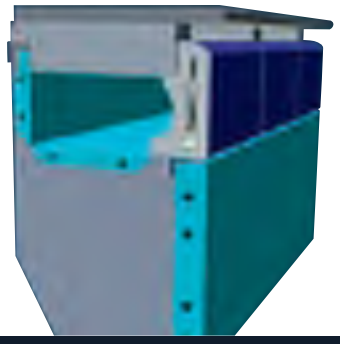
> Overflow Gutter | Structural

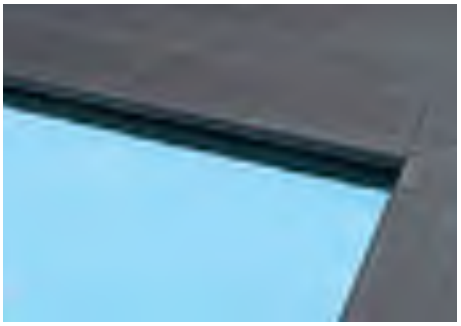
Myrtha Structural Overflow Technology is characterized by a special Klinker ceramic tile that functions as part of the actual structure of the wall panels. This structure guarantees a perfect overflow level while maintaining an attractive finish, in fact it can be considered the ideal technology for public leisure pools with any design.



> Recessed overflow gutter

The brand new overflow gutter finishing solution as an alternative to the standard ABS grid. Special edge elements, specifically designed for swimming pools use, can be placed and fixed to the overflow gutter, perfectly allowing the water flow and providing a smart finishing to the pool. Different materials and surfaces, highly durable and with high tech performance, can be chosen for both the deck and the edge of the pool: marbels, stones, wood and porcelain stonewares, inspired from natural and precious materials.



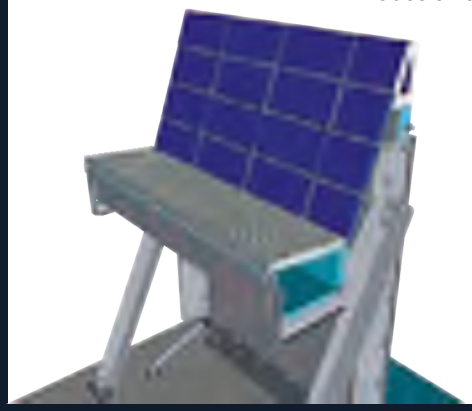


> Vanishing Edge | Ceramic / 1

Ceramic/1 structure can also have a vanishing edge effect that guarantees the best success on hills or particular surroundings. Generally it is utilized on one side of the pool with a ceramic tile that follows the external side of the pool and ends directly in the overflow gutter. This technology can be an elegant and efficient solution for public leisure pools, especially in condominiums or accommodation facilities.

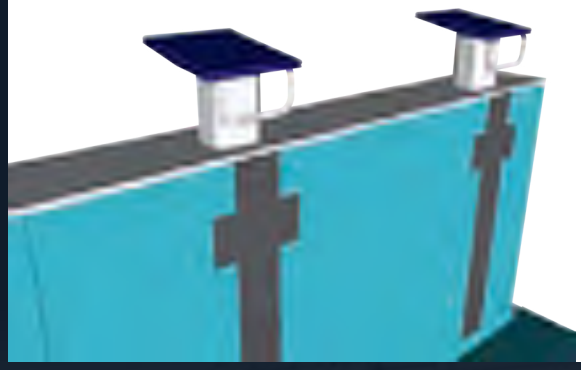
> Vanishing Edge | Structural

The Overflow Structural technology has evolved from the Ceramic1 Vanishing edge technology. Above the Myrtha panels a ceramic tiles functions as part of the structure while still creating a gentle slop that fades away in the gutter.

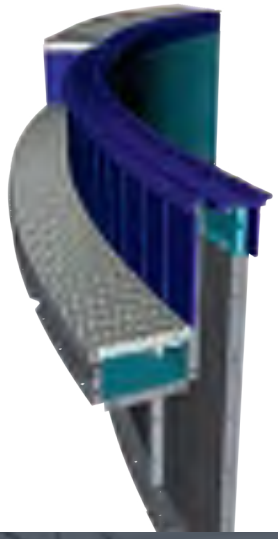


> Headwalls

To comply with F.I.N.A. regulations for competition pools that do not have an overflow structure on all four sides a headwall is required at 30cm above the water level, often completed by ceramic tiles that guarantee simple cleaning and satisfies the eye.



> Combined Technologies

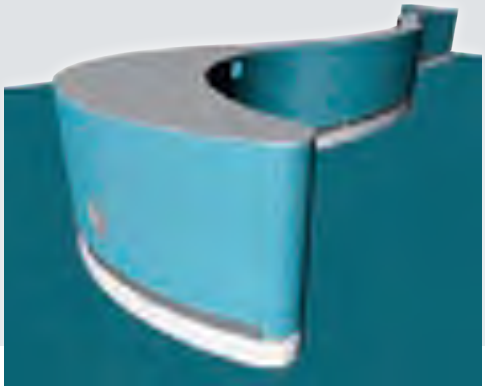


All the technologies described above can be combined to meet design requirements: competition pools combine overflow technologies with headwalls; public and leisure pools combine skimmer systems with one or more vanishing edge or headwall system too. Myrtha Pools can offer the work of a specialized technical staff who continuously search for the best solutions to advise the client according to need and surrounding.

Special **solutions**

Finger Wall

This solution is an additional structure raised above the level of water that can be used as a dividing wall between different areas of one big pool or as a relax area for swimmers. It is generally covered by ceramic tiles and meets the finishing solutions of the rest of the pool.

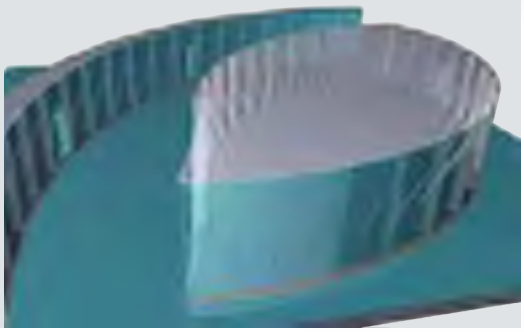


Zero Entry

Otherwise know as “beach entry”, is a walk-in option commonly associated to leisure pools but available for all projects. It integrates an anti-slip surface as well as a “soft floor” underlayment to further enhance the beach effect and provide an added safety aspect created with our Softwalk solution.

Islands and Rivers

From the Crazy River to the Lazy River, amusing or relaxing, fast or slow flow, Myrtha does it all! Rivers and islands can be inserted for aesthetical reasons, for fun or even for the functionality of the structure.



Double level

Double level is often inserted for an aesthetical purpose to allow for a waterfall effect, but it can also be functional for the architecture of the pool or for the surrounding floor.

Water **circulation**

A good pool project shall also take into consideration issues as the high water quality, the physical safety of swimmers, the expected users load and the regolatory requirements.
Myrtha swimming pools are designed basing on these criteria, both considering the needs of public health and easy maintenance of the pool.
Myrtha pools has invested also in this fields of research, by developing specific studies on recirculation systems preliminary analysis, as well as new solutions for water circulation.

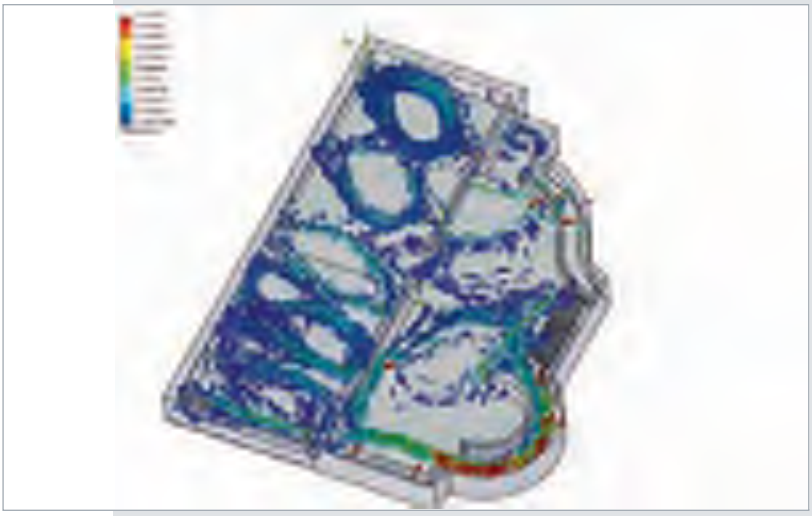
Traditional distribution

Use of inlets on the pool floor allows for an uniform distribution, complying to local regulations.

Strahlenturbulenz

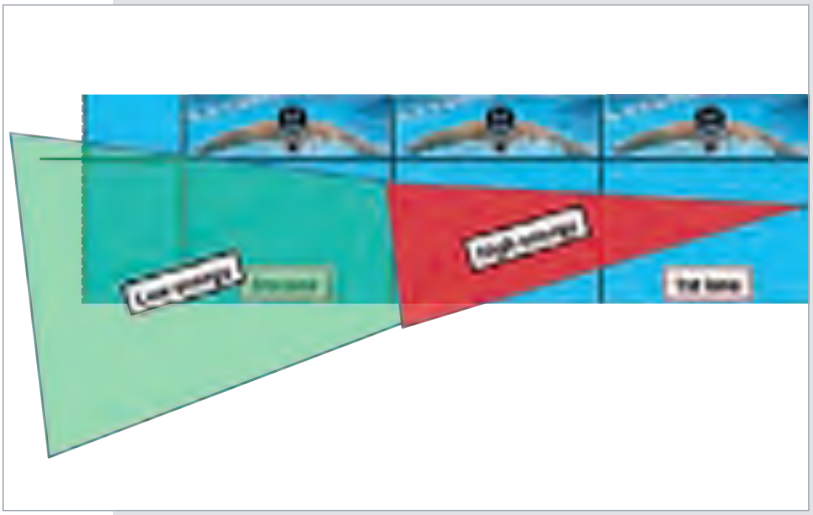
It represents nowadays an evolution of traditional water circulation system and the most efficient solution.
Based on the Venturi effect with controlled turbulence, it reduces risks by avoiding piping in the pool floor.

3D simulations



2D and 3D CFD simulations applied to a pool can provide essential information about the circulation: digital dye test, verification and optimization of circulation, as well as development of special features and accessories.
The picture on the lef shows a digital dye test after 15 minutes for 3 different depths shows erlochrome concentration.

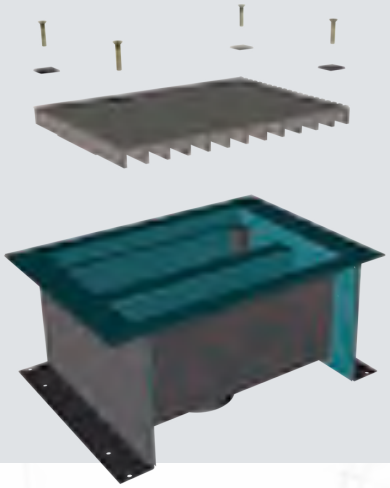
Hydraulic calculations and test



Myrtha Pools started improving CFD in order to exactly perform the calculations required and to simulate the interaction of liquids in a swimming pool.
Basing on the use of special softwares, Myrtha CFD technology can simulate the pool circulation before its construction, providing reliable 3D simulations and digital tests, as well as analysis of the inlet systems and precise calculations of the dropouts and all the overflow system.

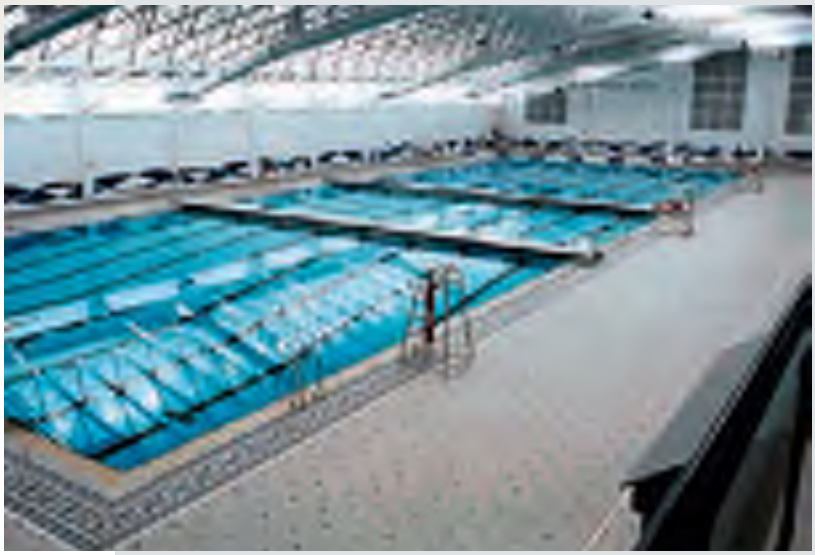
Specific Myrtha fittings

Made to ensure a perfect fitting and waterproofing on the Myrtha structure.



Special **systems**

Bulkhead



It separates the pool in different areas, moving along rails installed on the pool deck, thanks to a patented easy movement system. It includes anchors for starting blocks and it can be provided with optionals as footrest step, handrails, floating lane ropes.

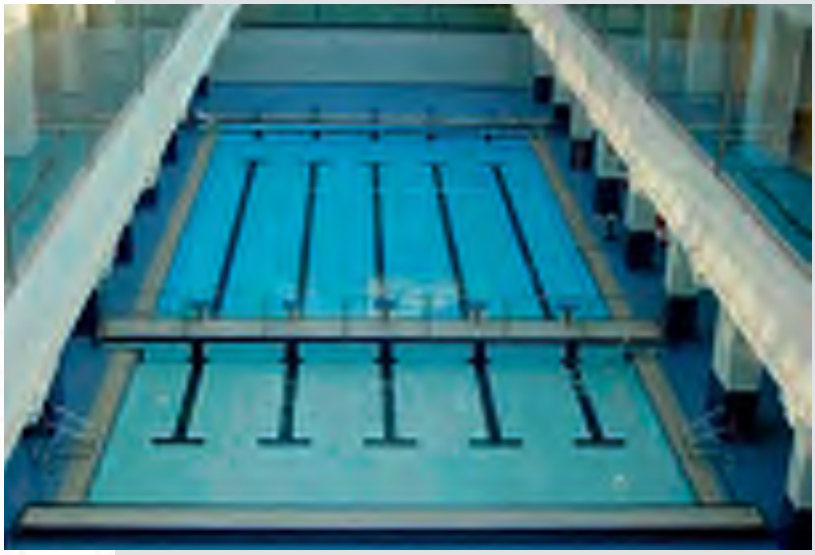
Bulkhead flow-through

Flow through bulkhead allows a large amount of the swimmer surge wave to pass through the bulkhead above and below the water further eliminating the rebound wave and turbulence.

Floating movable floor

It allows the depth of the pool to be varied, providing a multifunctional use of the pool. Floating structure anchored to the floor through a system of steel cables.
An actuating mechanism outside the pool allows the cables positioning and the movable floor fixing into the desired placement.

Movable floor with wall movement



This non-floating system is operated by pairs of screw-jacks installed in the pool walls, which allow the upwards and downwards movement of the floor.

Removable headwalls

Provide pools with overflow gutter on four sides with a 30 cm headwall, as per FINA regulations requirement.
It is also an ideal support for timing touch pads, starting blocks and floating lane anchors.

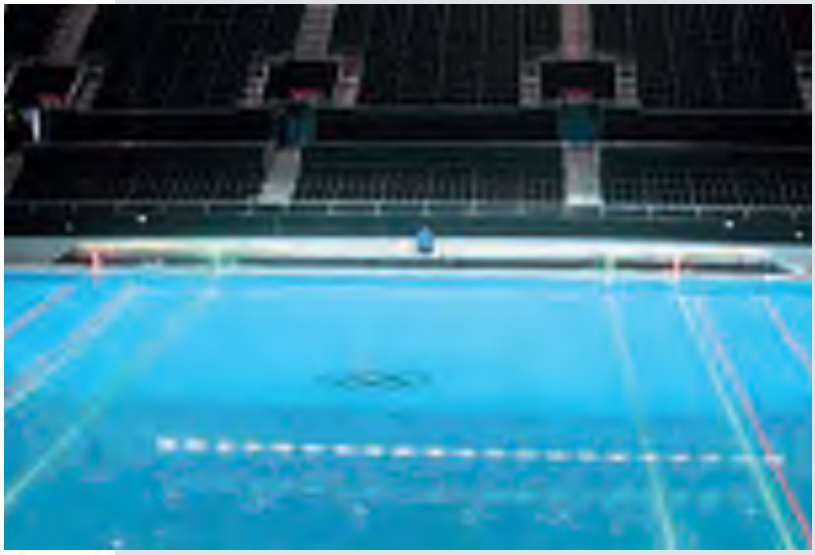
Air safety cushion

It reduces the diver's impact, by producing a uniform mixture of water and air in the area where the diver enters the pool.
Spargers, positioned under the diving board, provide adjustable bubbling volume and intensity.

Virtual Trainer

LED stripes system used to monitor the performances of swimmers during training sessions. The system contains a number of preinstalled training programmes and it can be operated by a wireless system.

Waterpolo Visual System



FINA approved system, based on the use of LED markings, placed in specific areas inside and outside the pool.
It allows athletes, referees, judges and spectators to be updated on the progress of the game.

Hotels and **resort pools**

Grand Hotel Central, Barcelona (Spain)

Myrtha Pools' patented technology guarantees the very best pools for the finest Hotels, Resorts and High Rise facilities around the world. Myrtha Technology is designed to adapt to the challenges of pool construction in varied climates, small spaces and high rise buildings. Myrtha Technology is designed to adapt to the challenges of pool construction in varied climates, small spaces and high rise buildings. Once installed, a Myrtha Pool does not require the expensive maintenance that traditional pools need every few years thus reducing the amount of scarce resources spent on capital expenditures. Aesthetically, Myrtha Pools have a wide range of accessories to fit the unique profile of hotels and resorts.

Federation Tower Hotel, Moscow (Russia)

At the last floor of the Western tower, inside the Grand Hyatt Hotel, Myrtha Pools has installed the refined pool with white lining and mosaic, underwater lights, hydromassage inlets and swim jets to be used by the hotel guests. The dimensions are 22 x 6 x 1.5 meters.

Rome Cavalieri Waldorf Astoria Hotel, Rome (Italy)

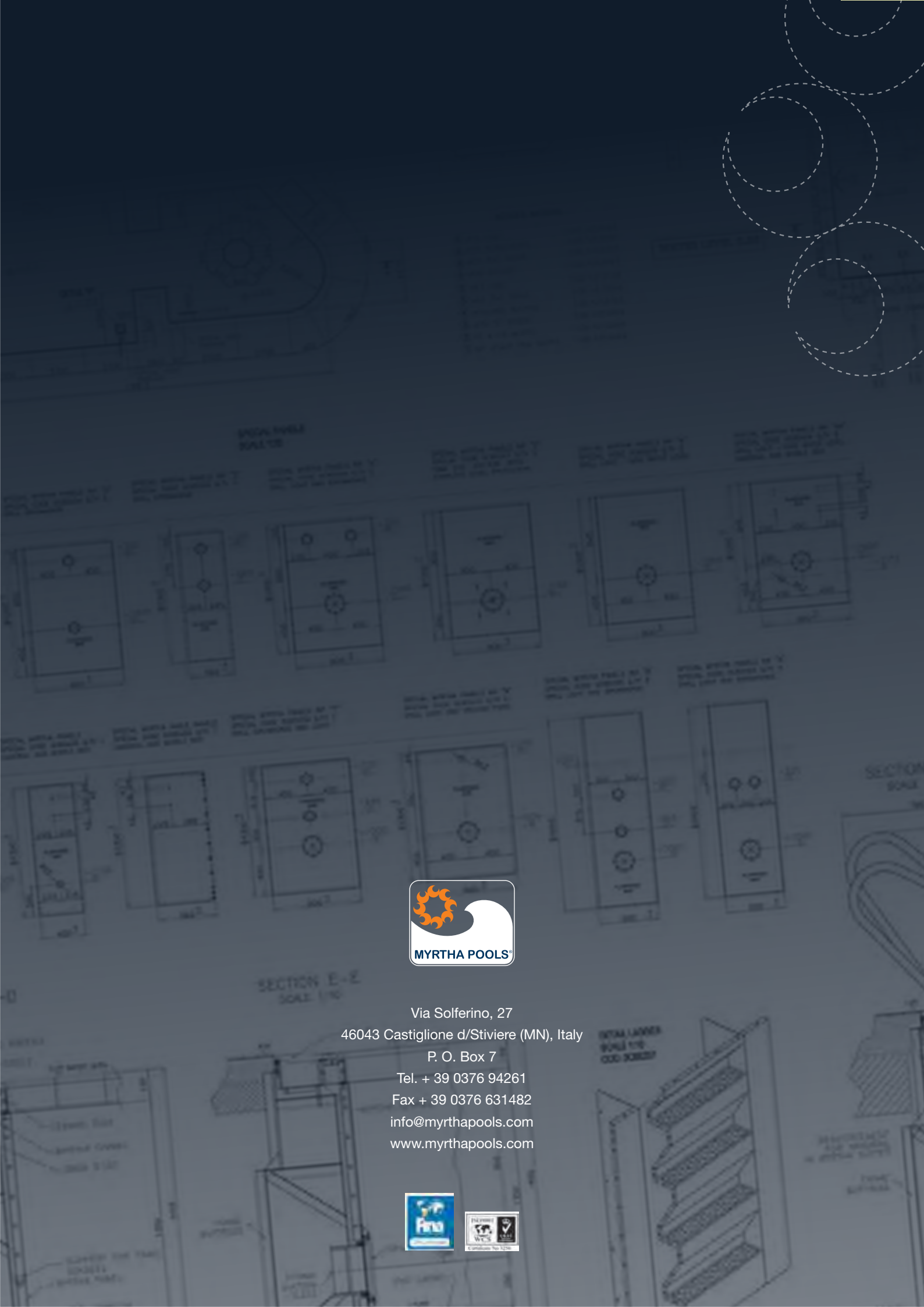
In the center of Rome, in an area nestled in the quiet, the Hotel offers a private park in which Myrtha Pools has built an elegant freeform pool and also refurbished the reinforced concrete pool for children.

Embassy Suite Hotel, Honolulu, HI (USA)

A few steps from Waikiki beach, the hotel has spacious sundeck on the 4th floor roof including an impressive freeform Myrtha pool, heated and finished with elegant ceramic tiles.

Hotel Landmark Mandarin Oriental, Hong Kong

Inside one the most outstanding luxury hotels in Far East, Myrtha Pools has built an indoor state-of-the art 20 m lap pool, included in the facilities of the hotel fitness center.



MYRTHA POOLS®

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Tel. + 39 0376 94261
Fax + 39 0376 631482
info@myrthapools.com
www.myrthapools.com

Indoor Pool Finishes

Towneplace Suites by Marriott
SPECIAL CONSTRUCTION
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

EPC-001-FST

Revision 1

Real Living Decor Package

Issue Date: Nov 23, 2022
Revision Date:

Item Name	Precast Concrete Coping
Item Type	Precast Concrete Pool Coping
Description	Precast concrete, wet pour, white, safety hand grip style, raised safety edge, coping stone with raised slip resistant pattern on upper surface.
Manufacturer	Federal Stone
Model	DQ Series
Dimensions	12-inches wide x minimum 2-feet long sections along perimeter of pool
Color	Natural White
CSI #	03 45 00 Precast Architectural Concrete
Omniclass #	22 - 03 45 00 Precast Architectural Concrete
Accessories	Provide bonding coat as recommended by finish manufacturer.
Notes	Provide one-piece radius corners.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Federal Stone
Contact Name: Custome Service
Phone: 301-271-7121
Email: Sales@federalstone.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Indoor Pool

Towneplace Suites by Marriott
SPECIAL CONSTRUCTION
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

GR-005-LA_POOL

Real Living Decor Package

Issue Date: Nov 23, 2022
Revision Date:

Item Name	Grout
Item Type	Grout, Epoxy
Description	High Performance Epoxy Grout, Sanded
Manufacturer	Laticrete International, Inc.
Model	SpectraLOCK PRO Premium Grout
Color	44 Bright White
CSI #	093000 - Tiling
Omniclass #	22-093000 - Tiling
Compressive Strength	3,800 psi (26.2 MPa) 7 days
Best Practices	Greenguard Certified Gold for Low Chemical Emissions ULCOM/GG UL2818
Quality Standards	ANSI A118.3
Eco-Feature(s) *as per manufacturer	Total VOC Content form is 0.00026 lb/gal (0.031 g/l).
Product Type	SpectraLOCK PRO Premium grout
Sealer	STONETECH BulletProof Sealer
Grout Joint Width	1/16" - 1/2"
Lead Time	Confirm stock with local distributor
Warranty	DS 230.13: LATICRETE Product Warranty A component of: DS 025.0 LATICRETE 25 Year System Warranty (United States and Canada) DS 230.99: LATICRETE Lifetime System Warranty
Notes	Refer to Design Guideline Drawings for Grout mark number. Product Data Sheet: https://tinyurl.com/5v6ap7cb

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Laticrete International
Contact Name: Anita J. Hellickson
Phone: 800.243.4788
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Bostik
Contact Name: Corey Turnage
Phone: 804-658-9955
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Mapei
Contact Name: Curtis Yoakum
Phone: (484) 686-4154
Email: cyoakum@mapei.com

AREAS

Indoor Pool
Public Restrooms

ALTERNATE MANUFACTURER 4	

Towneplace Suites by Marriott
SPECIAL CONSTRUCTION
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TF-005-CT

Revision 1

Real Living Decor Package

Issue Date: Nov 23, 2022
Revision Date:

Item Name	Tile Floor
Item Type	Tile Stair Nosing
Description	Pool Stair Nosing Tile
Manufacturer	Ceramic Technics
Model	Porcelain Solutions US Shalestone
Dimensions	2" x 12" x 3/8 thick bullnose edge
Color	Anthracite
Finish	Natural
Material Composition	Porcelain
CSI #	093000 - Tiling
Omniclass #	22-093000 - Tiling
Quality Standards	ANSI A108/A118/A136.1 American National Specifications for the Installation of Ceramic Tile; ANSI A326.3 American National Standard Test Method for Measuring Dynamic Coefficient of Friction of Hard Surface Flooring Materials; ASTM C373 Standard Test Methods for Determination of Water Absorption and Associated Properties...for Pressed Ceramic Tiles and Boil Method for Extruded Ceramic Tiles; TCNA Handbook for Ceramic, Glass, and Stone Tile Installation
Part of an Assembly	N
Recommended Grout	Refer to Design Guideline Drawings for Grout mark number.
Finish	Natural
Product/Color	Porcelain Solutions US Shalestone Anthracite

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS

Grout & Tile do not get installed if pool is a pre-fabricated/pre-engineered package pool system.

MANUFACTURER

Vendor Name: Ceramic Technics
Contact Name: Mary Beth Tallant
Phone: (770) 891-0684
Email: mtallant@ceramictechnics.com

ALTERNATE MANUFACTURER 2

Vendor Name: Designer Tile & Stone
Contact Name: Timi Mustapha
Phone: 301.325.1981
Email: timi@designertilestone.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Indoor Pool

Towneplace Suites by Marriott
SPECIAL CONSTRUCTION
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TW-004-CT

Revision 1

Real Living Decor Package

Issue Date: Nov 23, 2022
Revision Date:

Item Name	Wall Tile
Item Type	Porcelain Tile
Description	Porcelain Tile
Manufacturer	Ceramic Technics
Model	Sonoma Penny Rounds
Dimensions	12" x 12" Sheet Size
Color	40009H Steel Blue Glossy
Finish	Glossy
Material Composition	Porcelain
CSI #	093000 - Tiling
Omniclass #	22-093013 - Tiling
Part of an Assembly	N
Recommended Grout	Refer to Design Guideline Drawings for Grout mark number.
Finish	Glossy
Product/Color	Sonoma Penny Rounds, 40009H Steel Blue Glossy

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Ceramic Technics
Contact Name: Mary Beth Tallant
Phone: (770) 891-0684
Email: mtallant@ceramictechnics.com

ALTERNATE MANUFACTURER 2

Vendor Name: Daltile
Contact Name: Morgan Stephenson
Phone: (214) 309-4531
Email: morgan.stephenson@daltile.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Indoor Pool

Towneplace Suites by Marriott
SPECIAL CONSTRUCTION
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

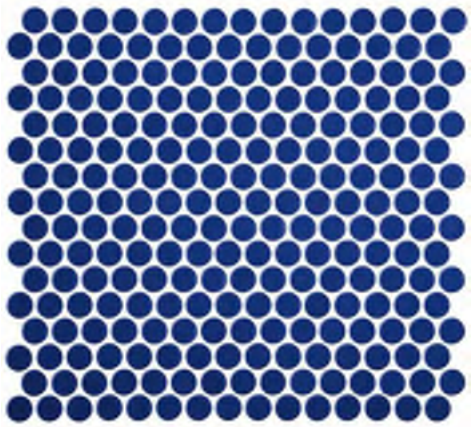
TW-004-DA

Revision 1

Real Living Decor Package

Issue Date: Nov 23, 2022
Revision Date:

Item Name	Wall TIle
Item Type	Porcelain Tile
Description	Penny Round Wall Tile
Manufacturer	Daltile
Model	Retro Rounds
Dimensions	1" x 1" Penny Round on 12" x 12" Sheet , 3/16" Thick
Color	RR10 Denim Blue
Finish	Gloss
Material Composition	Glazed Porcelain
CSI #	093000 - Tiling
Omniclass #	22- 093000 - Tiling
Part of an Assembly	N
Recommended Grout	Refer to Design Guideline Drawings for Grout mark number.
Coefficient of Friction	N/A
Product/Color	Retro Rounds RR10 Denim Blue
Warranty	N/A



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Daltile
Contact Name: Morgan Stephenson
Phone: (214) 309-4531
Email: morgan.stephenson@daltile.com

ALTERNATE MANUFACTURER 2

Vendor Name: Ceramic Technics
Contact Name: Mary Beth Tallant
Phone: (770) 891-0684
Email: mtallant@ceramictechnics.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Indoor Pool

INTERIOR MATERIALS AND PRODUCTS

Fire Extinguishers and Cabinets

Towneplace Suites by Marriott
INTERIOR MATERIALS AND PRODUCTS
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

FE-001-LMF

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Fire Extinguisher Cabinet
Item Type	N/A
Description	Public Space Fire Extinguisher Cabinet
Manufacturer	Larsens Mfg Co
Model	Occult Style with Solid Door, vertical black lettering, standard pull SS-0-2409 (For extinguisher only) SS-0-4016 (For extinguisher & value combo)
Dimensions	SS-0-2409 24" x 9 1/2" x 6"D SS-0-4016 40" x 16" x 8 1/2"D
Finish	Stainless Steel
CSI #	104400 - Fire Protection Specialties
Lead Time	To be verified
Warranty	To be verified

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Larsen's Manufacturing Company
Contact Name: Customer Service
Phone: (800) 262-3473
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Lobby
Employee Areas
Back-of-House Laundry
Mechanical, Plumbing & Electrical
Corridors

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Fire Extinguisher
Item Type	N/A
Description	10 lb ABC chemical type fire extinguisher
Manufacturer	Ansul
Model	Sentry
Color	Red
Finish	Paint
Material Composition	Steel
CSI #	104400 - Fire Protection Specialties
Omniclass #	22-104400 Fire Protection Specialties
Grade	UL 4A-80B:C
Classification	ABC
Operation	Manual
Quality Standards	NFPA 10-2018: Standard for Portable Fire Extinguishers
Accessibility Compliance	ADA and ANSI A117.1
Accessories	Standard bracket
Lead Time	To be verified
Warranty	1 year

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Ansul
Contact Name: Customer Service
Phone: 800-862-6785
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Larsen's Manufacturing Company
Contact Name: Customer Service
Phone: (800) 262-3473
Email:

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Lobby
Employee Areas
Back-of-House Laundry
Mechanical, Plumbing & Electrical
Corridors

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Fire Extinguisher
Item Type	N/A
Description	10 lb ABC chemical type fire extinguisher
Manufacturer	Larsens Mfg Co
Model	MP-10
Color	Red
Finish	Paint
Material Composition	Steel
CSI #	104400 - Fire Protection Specialties
Omniclass #	22-104400 Fire Protection Specialties
Grade	UL 4A-80B:C
Classification	ABC
Operation	Manual
Quality Standards	NFPA 10-2018: Standard for Portable Fire Extinguishers
Accessibility Compliance	ADA and ANSI A117.1
Accessories	Standard bracket
Lead Time	To be verified
Warranty	1 year

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Larsen's Manufacturing Company
Contact Name: Customer Service
Phone: (800) 262-3473
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Modern Metal Products
Contact Name:
Phone: 800-435-5544
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: JL Industries (Activar Construction Products Group)
Contact Name:
Phone: (800) 554-6077
Email:

ALTERNATE MANUFACTURER 4

AREAS

Lobby
Employee Areas
Back-of-House Laundry
Mechanical, Plumbing & Electrical
Corridors

PLUMBING FIXTURES

SNK-01 Public Restroom and BOH Employee Restroom Sink

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-101-KO_SNK-01

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Sink
Item Type	Wall Mount Sink
Description	Caxton Under-Mount Lavatory Bowl: 17" x 14" x 4" / Undermount (Granite)
Manufacturer	Kohler
Model	K-2210-0
Dimensions	Refer to Attachment
Color	White
Material Composition	Vitreous China
Global Specification	Y
CSI #	224200 - Plumbing Fixtures
Omniclass #	22-224200- Plumbing Fixtures
Quality Standards	ASME A112.19.2/CSA B45.1
Accessibility Compliance	Meets ADA; ICC/ANSI A117.1; CSA B651
Part of an Assembly	N
Warranty	One-Year Limited Warranty

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 2

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms
Employee Areas

KOHLER®

CAXTON®

Features

- *Vitreous china*
- *Under-mount*
- *With or without overflow*
- *Available with KOHLER Artist Editions designs*
- *Includes 1193643 clamp assembly, unless specified*
- *15″ (381 mm) x 12″ (305 mm)*
- *17″ (432 mm) x 14″ (356 mm)*
- *19″ (483 mm) x 15″ (381 mm)*

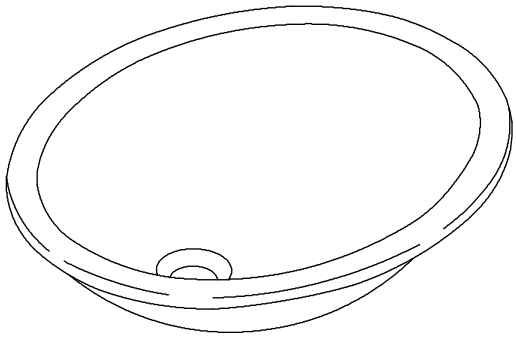
UNDER-MOUNT BATHROOM SINK
K-2210
ALSO K-2211, K-2209

ADA | **CSA B651** | **OBC**

Codes/Standards Applicable

Specified model meets or exceeds the following:

- *ADA*
- *ICC/ANSI A117.1*
- *CSA B651*
- *OBC*
- *ASME A112.19.2/CSA B45.1*



Colors/Finishes

- 0: White
- Other: Refer to Price Book for additional colors/finishes

Accessories

- CP: Polished Chrome
- Other: Refer to Price Book for additional colors/finishes

Specified Model

Model	Description	Colors/Finishes	
K-2209	Bathroom sink, 15″ (381 mm) x 12″ (305 mm), w/overflow, w/clamps	❑ 0	❑ Other_____
K-2210	Bathroom sink, 17″ (432 mm) x 14″ (356 mm), w/overflow, w/clamps	❑ 0	❑ Other_____
K-2210-G	Bathroom sink, 17″ (432 mm) x 14″ (356 mm), w/glazed underside, w/o overflow, w/clamps	❑ 0	❑ Other_____
K-2210-L	Bathroom sink, 17″ (432 mm) x 14″ (356 mm), w/overflow, w/o clamps	❑ 0	❑ Other_____
K-2210-N	Bathroom sink, 17″ (432 mm) x 14″ (356 mm), w/o overflow, w/clamps	❑ 0	❑ Other_____
K-2211	Bathroom sink, 19″ (483 mm) x 15″ (381 mm), w/overflow, w/clamps	❑ 0	❑ Other_____
K-2211-G	Bathroom sink, 19″ (483 mm) x 15″ (381 mm), w/glazed underside, w/o overflow, w/clamps	❑ 0	❑ Other_____
K-2211-L	Bathroom sink, 19″ (483 mm) x 15″ (381 mm), w/overflow, w/o clamps	❑ 0	❑ Other_____

Product Specification:

The under-mount bathroom sink shall be made of vitreous china. Bathroom sink shall be available with or without overflow. Bathroom sink shall be 15″ (381 mm) in length and 12″ (305 mm) in width, 17″ (432 mm) in length and 14″ (356 mm) in width, or 19″ (483 mm) in length and 15″ (381 mm) in width. Bathroom sink shall include 1193643 clamp assembly for all models except K-2210-L and K-2211-L. Bathroom sink shall be available with KOHLER Artist Editions designs. Bathroom sink shall be Kohler Model K-_____-____ or K-_____-_____-_____.

USA/Canada: 1-800-4KOHLER
(1-800-456-4537)
www.kohler.com

CAXTON®

Technical Information

Recommended Accessories			
K-8998	P-Trap	❑ CP	❑ Other_____

Fixture*:	Basin area	Water depth
K-2209	15″ (381 mm) x 12″ (305 mm)	4″ (102 mm)
K-2210/K-2210-L/ K-2210-N/K-2210-G	17″ (432 mm) x 14″ (356 mm)	4″ (102 mm)
K-2211/K-2211-G/ K-2211-L	19″ (483 mm) x 15″ (381 mm)	4″ (102 mm)
Drain hole	Ø 1-3/4″ (44 mm)	
* Approximate measurements for comparison only.		

Cutout template, K-2209	85838-7
Cutout template, K-2210	1151011-7
Cutout template, K-2211	1018997-7

Included components:	
Basin clamp assembly (not included with K-2210-L and K-2211-L)	1193643

Installation Notes

Install this product according to the installation guide.

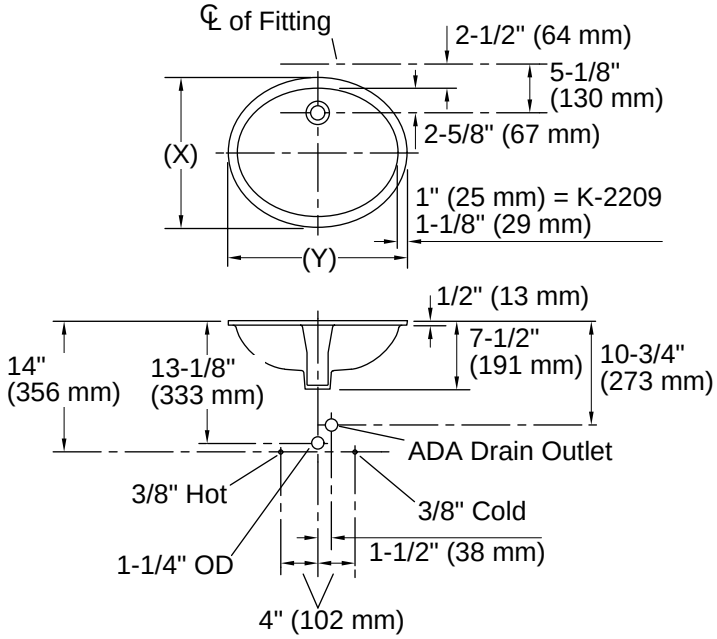
NOTICE: Countertop manufacturer or cutter must use the current product template available at www.kohler.com, or by calling 1-800-4KOHLER. Kohler Co. is not responsible for cutout errors when the incorrect cutout template is used.

Will comply with **ADA** when installed per Section 606 Lavatories and Sinks of the 2010 ADA Standards for Accessible Design.

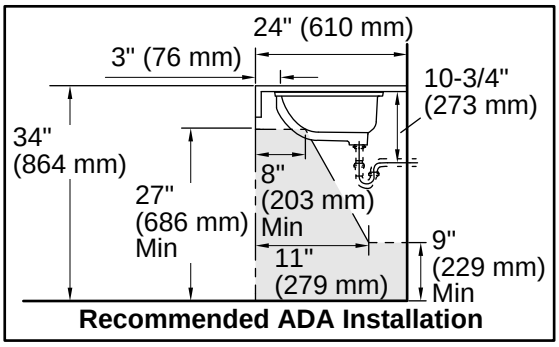
Will comply with **CSA B651** when installed per Clause 4.3.3 of the standard.

Will comply with **OBC** when installed per Clause 3.8.3.11.

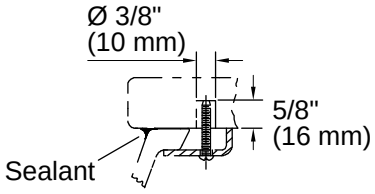
K-2209: (X) = 14" (356 mm), (Y) = 17" (432 mm)
K-2210: (X) = 16-1/4" (413 mm), (Y) = 19-1/4" (489 mm)
K-2211: (X) = 17-1/4" (438 mm), (Y) = 21-1/4" (540 mm)



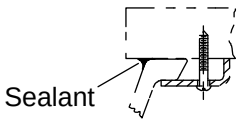
Standard Installation



Recommended ADA Installation



Marble Installation



Wood Installation

Product Diagram

THE BOLD LOOK OF KOHLER®

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-201-DE_SNK-01

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Faucet
Item Type	Faucet for Bathroom
Description	Ara Series single handle faucet, 1.5 GPM, 4 3/8" spout
Manufacturer	Delta Faucet Company
Model	567LF-SSMPU
Dimensions	4 3/8" spout
Color	Stainless Steel
Finish	Brushed
CSI #	224200 - Plumbing Fixture
Quality Standards	ASME A112.18.1/CSA B125.1, ASME A112.18.2/CSA B125.2
Accessibility Compliance	ICC/ANSI a117.1
Water Sense	Yes
Warranty	5 years for parts and finishes

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Delta Faucet Company
Contact Name: Emily Mueller
Phone: (210) 870-9932
Email: emily.mueller@deltafaucet.com

ALTERNATE MANUFACTURER 2

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

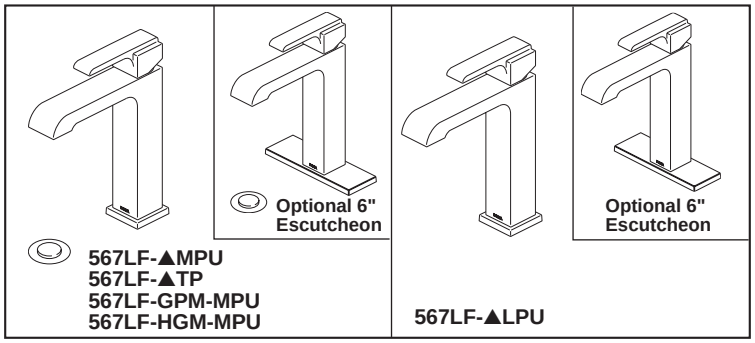
ALTERNATE MANUFACTURER 3

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms
Employee Areas

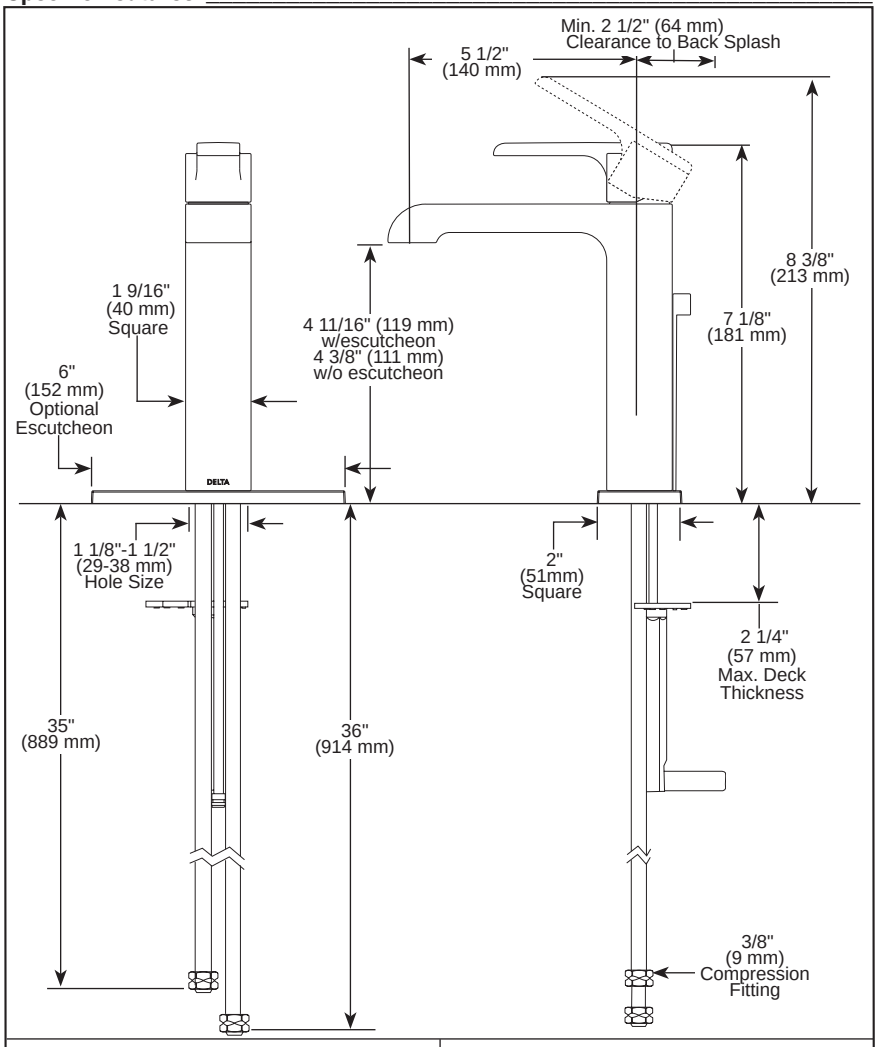


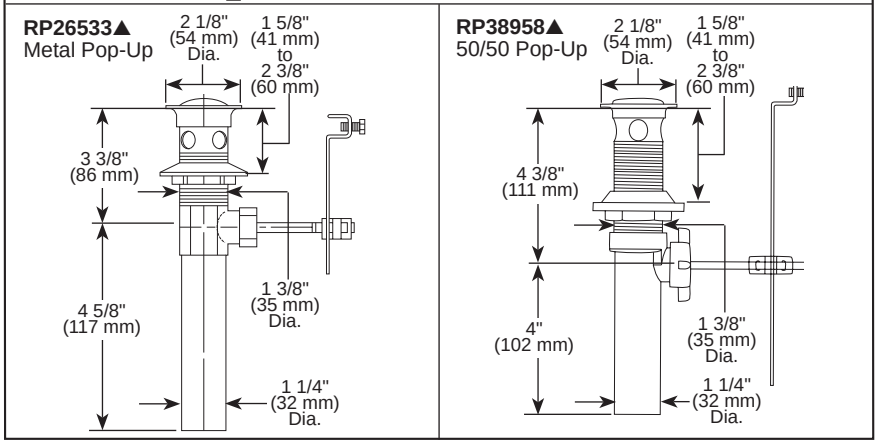
567LF-▲MPU
567LF-▲TP
567LF-GPM-MPU
567LF-HGM-MPU

567LF-▲LPU

Submitted Model No.:_____

Specific Features:_____





▲ Designate Proper Finish Suffix

Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.deltafaucet.com for finish options and product availability.

DSP-L-567LF-MPU Rev. H

DELTA

see what Delta can do℠

BATHROOM FAUCET

- Ara® Bath Collection
- Single Handle Deck Mount

STANDARD SPECIFICATIONS:

- Max. flow rate 1.2 gpm @ 60 psi, 4.5 L/min @ 414 kPa
- GPM indicates max. flow rate 1.0 gpm @ 60 psi, 3.8 L/min @ 414 kPa
- HGM indicates max. flow rate 0.5 gpm @ 60 psi, 1.9 L/min @ 414 kPa
- One or three hole mount (escutcheon optional, included)
- Ceramic cartridge
- 3/8" O.D. straight, staggered PEX supply lines
- Red/blue indicator markings
- Models with suffix "MPU" have metal drain with pop-up type fitting with plated flange and stopper
- Models with suffix "LPU" are less pop-up
- Models with suffix "TP" have 50/50 pop-up type fitting with plated flange and stopper
- Solid brass fabricated spout

WARRANTY

- Parts and Finish - Lifetime limited warranty; or for commercial purchasers, 10 years for multi-family residential (apartments and condominiums) and 5 years for all other commercial uses, in each case from the date of purchase.
- Electronic Parts and Batteries (if applicable) - 5 years from the date of purchase; or for commercial purchasers, 1 year from the date of purchase. No warranty is provided on batteries.

COMPLIES WITH:

- ASME A112.18.1 / CSA B125.1
- ASME A112.18.2 / CSA B125.2
- Indicates compliance to ICC/ANSI A117.1 - Valve control only
- EPA WaterSense® - applies to 567LF-MPU, 567LF-TP, 567LF-GPM-MPU, 567LF-LPU only
- Verified compliant with .25% weighted average Pb content regulations.

Delta Faucet Company
55 E. 111th Street, Indianapolis, IN 46280
350 South Edgeware Road, St. Thomas, ON N5P 4L1
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Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-201-KO_SNK-01

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Faucet
Item Type	Faucet for Bathroom
Description	Honesty single handle lavatory faucet with red/blue index and metal waste assembly. 1.2 GPM, 4 13/16" spout, single hole mount.
Manufacturer	Kohler Company
Model	K-99760-4-CP
Dimensions	Refer to attachment
Color	Chrome
Finish	Polished
CSI #	224200 - Plumbing Fixtures
Omniclass #	22-224200 Plumbing Fixtures
Quality Standards	ASME A112.18.1 / CSA B125.1, NSF 61, NSF 372
Accessibility Compliance	ICC/ANSI A117.1
Water Sense	Yes
Warranty	5 Year Hospitality Warranty

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 2

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 3

Vendor Name: Delta Faucet Company
Contact Name: Emily Mueller
Phone: (210) 870-9932
Email: emily.mueller@deltafaucet.com

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms
Employee Areas

KOHLER. Faucets

Honesty®

Single Handle Lavatory Faucet

K-99760-4

Features

- Single lever handle allows for both volume and temperature control.
- KOHLER ceramic disc valves exceed industry longevity standards for a lifetime of durable performance.
- Temperature memory allows faucet to be turned on and off at the temperature set during prior usage.
- 1.2 gal/min (4.5 l/min) maximum flow rate [max at 60 psi (4.14 bar)].
- Includes metal pop-up drain with 1-1/4" tailpiece.
- 4-3/16" spout reach
- Red/blue indexing on handle
- Coordinates with Honesty faucets, accessories, and showering components to complete your bathroom.

Material

- Premium Metal Construction.
- KOHLER finishes resist corrosion and tarnishing.

Installation

- For single-hole installation.
- Pre-attached flexible supply lines simplify installation.

Installed component/s: Flexible supply hoses.

ADA | CSA B651 | OBC

Codes/Standards

ASME A112.18.1/CSA B125.1
NSF 61
NSF 372
All applicable US Federal and State material regulations
DOE - Energy Policy Act 1992
EPA WaterSense®
California Energy Commission (CEC)
ADA
ICC/ANSI A117.1
CSA B651
OBC

See website for detailed warranty information.

Available Color/Finishes

Color tiles intended for reference only.

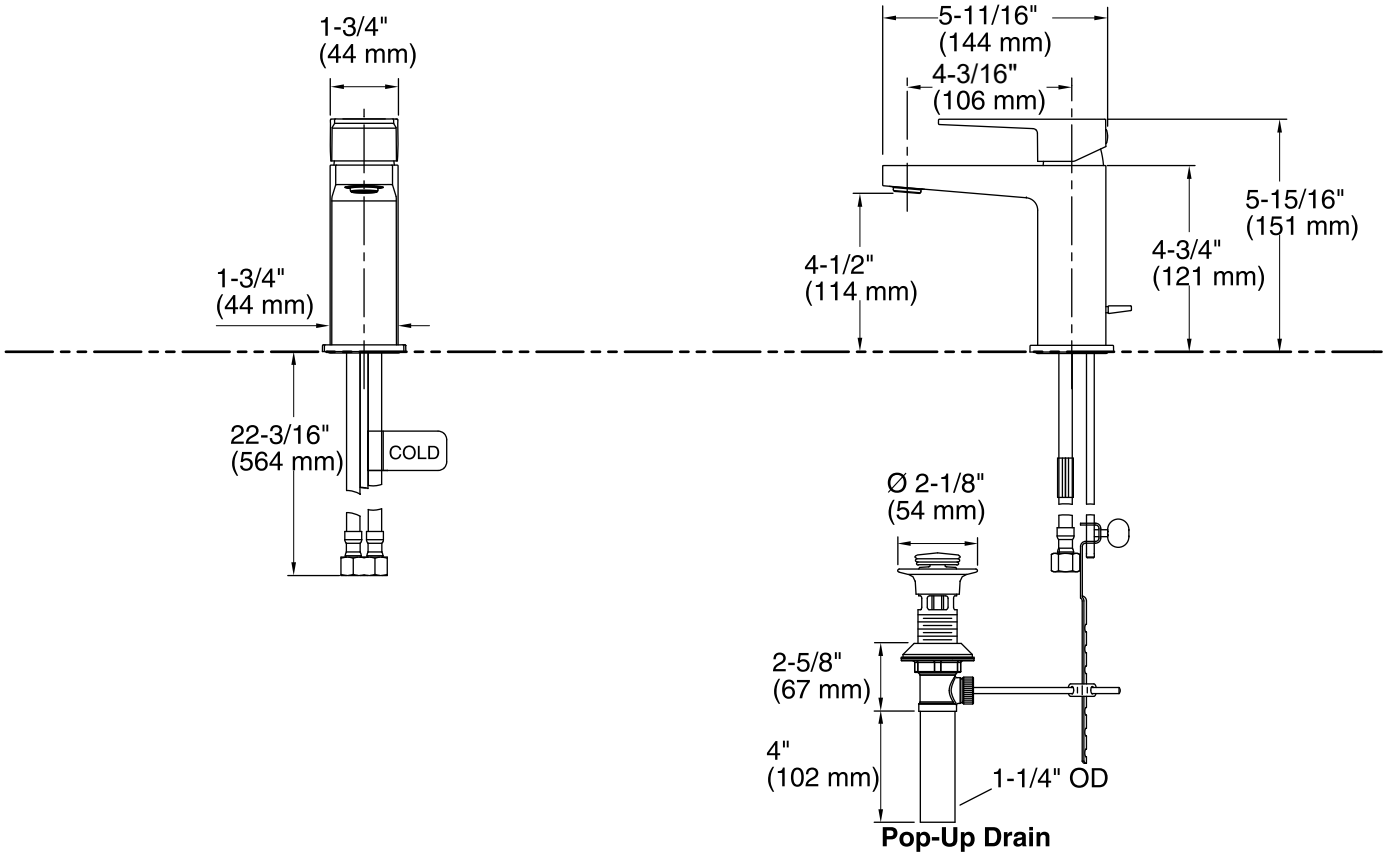
Color	Code	Description
	CP	Polished Chrome
	BL	Matte Black

KOHLER. Faucets

Honesty®

Single Handle Lavatory Faucet

K-99760-4



Technical Information

All product dimensions are nominal.

Valve body:	Plastic
Drain included:	YES
Drain with overflow:	YES
Drain tailpiece included:	YES

Spout:

Spout reach:	4-3/16" (106 mm)
Handle clearance:	3-3/8" (86 mm)

Faucet:

Flow rate:	1.2 gal/min (4.5 l/min)

Notes

Install this product according to the installation guide.

ADA, OBC, CSA B651 compliant when installed to the specific requirements of these regulations.

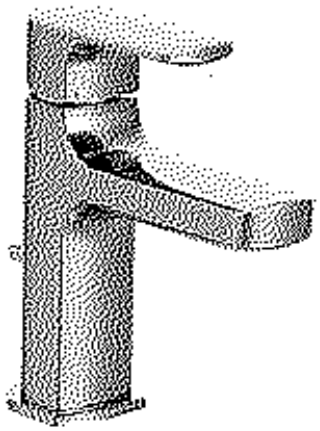
Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-201-MO_SNK-01

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Faucet
Item Type	Faucet for Bathroom
Description	"Rizon" single handle lavatory with red/blue index and metal waste assembly. 1.2 GPM, 4 7/32" spout reach, single hole mount.
Manufacturer	Moen Inc.
Model	6900
Dimensions	Refer to attachment
Color	Chrome
Finish	Polished
CSI #	224200 - Plumbing Fixture
Omniclass #	22-224200 Plumbing Fixture
Quality Standards	ASME A112.18.1 / CSA B125.1
Accessibility Compliance	ADA compliant lever handle
Water Sense	Yes
Warranty	5 year limited warranty against leaks, drips, and finish defects



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 2

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 3

Vendor Name: Delta Faucet Company
Contact Name: Emily Mueller
Phone: (210) 870-9932
Email: emily.mueller@deltafaucet.com

ALTERNATE MANUFACTURER 4

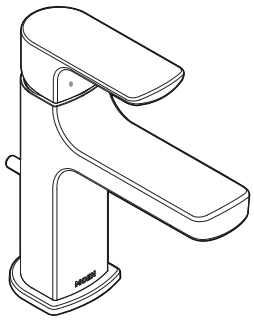
AREAS

Public Restrooms
Employee Areas

MOEN

Buy it for looks. Buy it for life.®

Specifications



RIZON™
Single-Handle Lavatory Faucet

Model: 6900

NOTE: THIS FAUCET IS DESIGNED TO BE INSTALLED THRU 1 HOLE, 1-1/8" MIN. DIA.

DESCRIPTION
- Metal construction with various finishes identified by suffix
- Flexible supply lines with 3/8" compression fittings
- Includes metal pop-up waste assembly
- Includes Red/Blue indicators
- Optional 3 hole deck plate (escutcheon) available

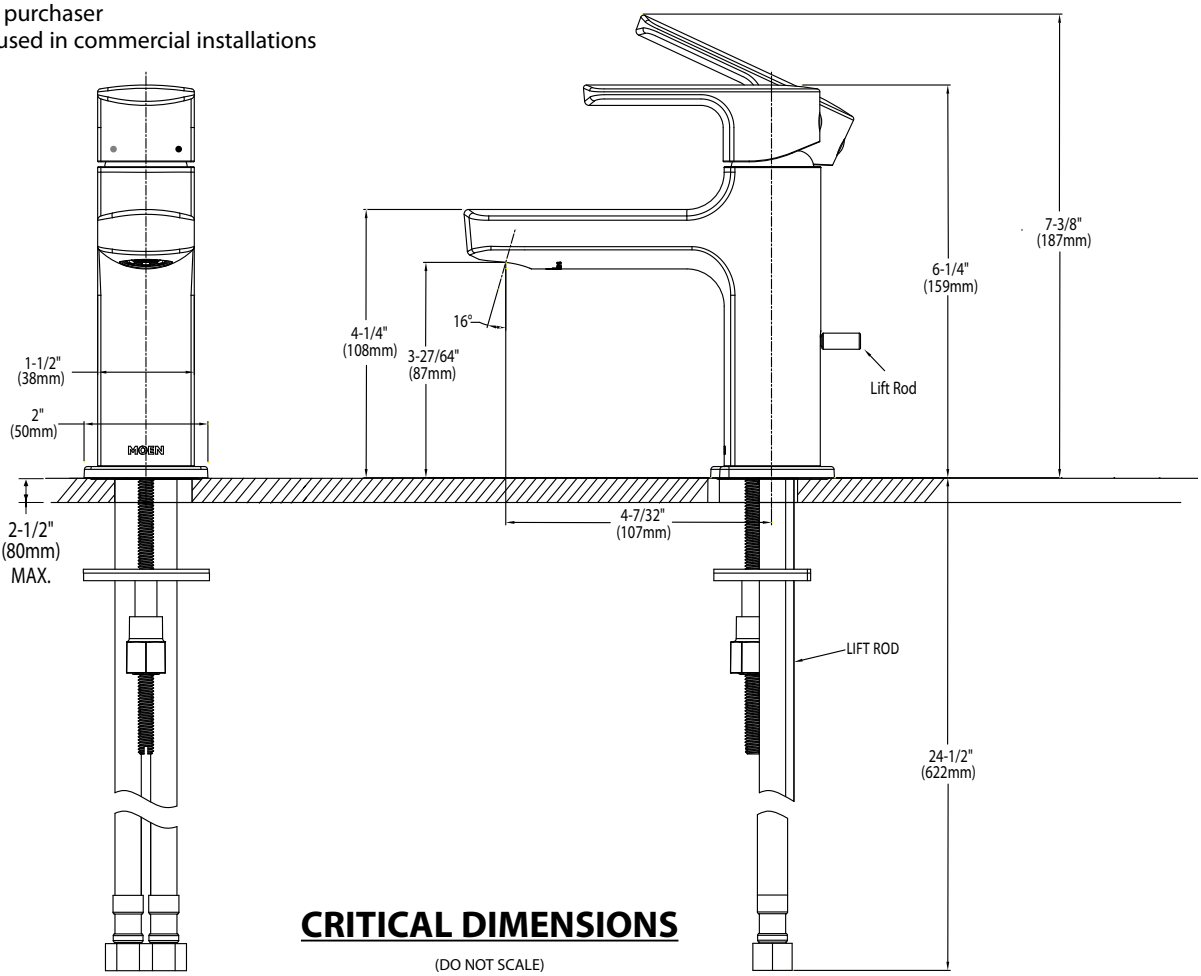
OPERATION
- Lever style handle
- Temperature controlled by 100° arc of handle travel

FLOW
- Water usage is limited to these maximum flow rates as indicated by the corresponding product markings
  - ° 1.2 gpm max (4.5L/min) at 60 psi
  - ° 1.5 gpm max (5.7L/min) at 60 psi

CARTRIDGE
- 1255™ Duralast™ cartridge for Single-Handle Faucets

STANDARDS
- Third party certified to WaterSense,® ASME A112.18.1/CSA B125.1, and all applicable requirements referenced therein
- Certified to NSF 61/9 & 372
- Products marked with 1.2 gpm are compliant with California water efficiency regulations
- Complies with California Proposition 65 and with the Federal Safe Drinking Water Act
- **ADA** for lever handle

WARRANTY
- Lifetime limited warranty against leaks, drips and finish defects to the original consumer purchaser
- 5 year warranty if used in commercial installations



CRITICAL DIMENSIONS

(DO NOT SCALE)

FOR MORE INFORMATION CALL: 1-800-BUY-MOEN
www.moen.com

SNK-02 Back-of-House Employee Breakroom Sink

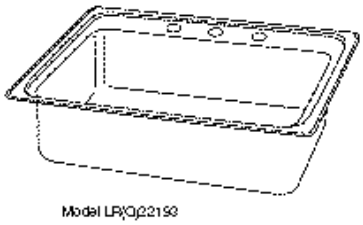
Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-102-EL_SNK-02

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Sink
Item Type	Sink
Description	Lustertone Single Bowl Sink, topmount
Manufacturer	Elkay Manufacturing Co.
Model	LR1720
Dimensions	17" x 20" x 7 5/8"
Color	Stainless Steel
Finish	Satin
Material Composition	#18 Gauge Stainless Steel
CSI #	224200 - Commercial Plumbing Fixtures*



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Elkay
Contact Name: Alex Stackhouse
Phone: (704) 405-3043
Email: alexs@repsouth.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

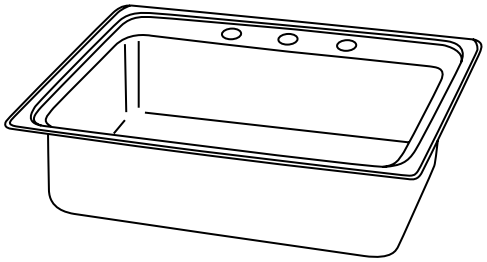
AREAS

Employee Areas

ELKAY®

SPECIFICATIONS

Lustertone® Single Bowl Sink
Models LR, LRQ, LRS and LRSQ Series



Model LR(Q)22193

GENERAL
Highest quality sink seamlessly formed of #18 gauge, type 304 (18-8) nickel bearing stainless steel. Self-rimming.

DESIGN FEATURES
LR(Q) Bowl Depth: 8" (LR[Q]2521), 7-1/2" (LR[Q]1919), 7-5/8" (all others).

Coved Corners: 1-3/4" vertical and horizontal radius.

Bowl and Faucet Deck Recess: 3/16" below outside edge of sink.

Finish: Exposed surfaces are hand blended to a lustrous high-lighted satin finish.

Underside: Fully undercoated to dampen sound and prevent condensation. LR(Q)2521 is fully protected by heavy duty Sound Guard® undercoating.

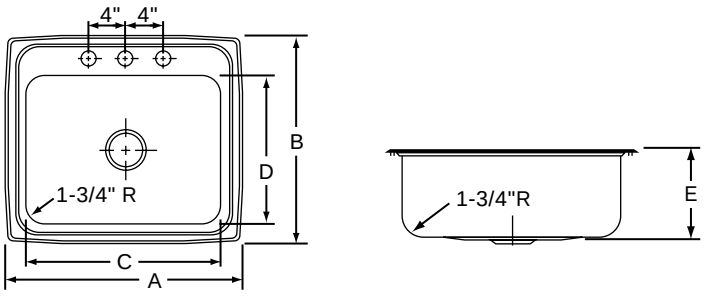
OTHER
Drain Opening: 3-1/2".

NOTE: Unless otherwise specified, models with one, two, three or OS4 faucet hole option are furnished with 3 faucet holes as shown; models with choice of one, two, three, four or five faucet hole option are furnished with 4 faucet holes standard.

SINK DIMENSIONS (INCHES)*

U-Channel Model Number	Quick-Clip® Model Number	Overall L A	Overall W B	Inside Bowl L C	Inside Bowl W D	Inside Bowl D E	Cutout in Countertop (1 1/2" Radius Corners) L	Cutout in Countertop (1 1/2" Radius Corners) W	No. of 1 1/2" Dia. Faucet Holes 4" Center	Minimum Cabinet Size	Ship. Wt. Lbs.
LR1316	**LRQ1316**	13	16	10	10	7 5/8	12 3/8	15 3/8	1, 2, MR2 or 3	18	9 1/2
LR1517	**LRQ1517**	15	17 1/2	12	12	7 5/8	14 3/8	16 7/8	1, 2, MR2 or 3	18	10
LR1522	**LRQ1522**	15	22	11 1/2	16	7 5/8	14 3/8	21 3/8	1, 2, MR2 or 3	18	12
LR1716	**LRQ1716**	17	16	14	10	7 5/8	16 3/8	15 3/8	1, 2, MR2, 3 or OS4	21	12
LR1720	**LRQ1720**	17	20	14	14	7 5/8	16 3/8	19 3/8	1, 2, MR2, 3 or OS4	21	12
LR1722	**LRQ1722**	17	22	13 1/2	16	7 5/8	16 3/8	21 3/8	1, 2, MR2, 3 or OS4	21	13
LR1918	**LRQ1918**	19	18	16	11 1/2	7 5/8	18 3/8	17 3/8	1, 2, MR2, 3 or OS4	24	13
LR1919	**LRQ1919**	19 1/2	19	16	13 1/2	7 1/2	18 7/8	18 3/8	1, 2, MR2, 3 or OS4	24	13
LR2022	**LRQ2022**	19 1/2	22	16	16	7 5/8	18 7/8	21 3/8	1, 2, MR2, 3 or OS4	24	14 1/2
LR2219	**LRQ2219**	22	19 1/2	18	14	7 5/8	21 3/8	18 7/8	1, 2, MR2, 3, 4 or 5	27	13
LR2222	**LRQ2222**	22	22	19	16	7 5/8	21 3/8	21 3/8	1, 2, MR2, 3, 4 or 5	27	13
LR2521	**LRQ2521**	25	21 1/4	21	15 3/4	8	24 3/8	20 5/8	1, 2, MR2, 3, 4 or 5	30	15
LR3122	**LRQ3122**	31	22	28	16	7 5/8	30 3/8	21 3/8	1, 2, MR2, 3, 4 or 5	36	19
LRS3322	**LRSQ3322**	33	22	28	16	7 5/8	32 3/8	21 3/8	1, 2, MR2, 3, 4 or 5	36	19 1/2

***Length is left to right. Width is front to back.



ALL DIMENSIONS IN INCHES, TO CONVERT TO MILLIMETERS MULTIPLY BY 25.4.

In keeping with our policy of continuing product improvement, Elkay reserves the right to change product specifications without notice.

This specification describes an Elkay product with design, quality and functional benefits to the user. When making a comparison of other producers' offerings, be certain these features are not overlooked.

Elkay
www.elkayusa.com

2222 Camden Court
Oak Brook, IL 60523

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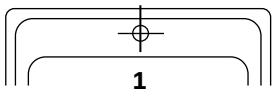
Lustertone® Single Bowl Sink
Models LR, LRQ, LRS and LRSQ Series

ELKAY®
SPECIFICATIONS

HOLE DRILLING CONFIGURATIONS



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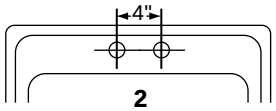

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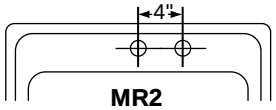
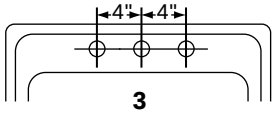


MR2



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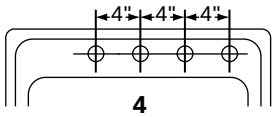

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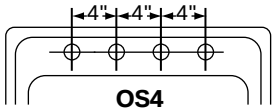
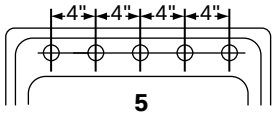
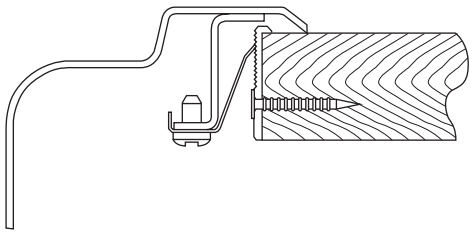

OS4

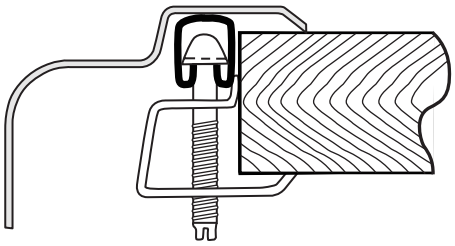


5

Quick-Clip® Mounting System



U-Channel Type Mounting System



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Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-202-DE_SNK-02

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Sink Faucet
Item Type	Sink Faucet
Description	Collins series, single handle deck mount with side spray and red/blue index. 9 1/8" spout.
Manufacturer	Delta Faucet Company
Model	440-DST
Dimensions	Refer to attachment
Color	Chrome
Finish	Polished
CSI #	224200 - Plumbing Fixtures
Omniclass #	22-224200 Plumbing Fixtures
Quality Standards	ASME A112.18.1/CSA B125.1
Accessibility Compliance	ICC/ANSI A117.1
Warranty	5 year limited warranty for faucet and finish to be free from defects in material and workmanship.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Delta Faucet Company
Contact Name: Emily Mueller
Phone: (210) 870-9932
Email: emily.mueller@deltafaucet.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

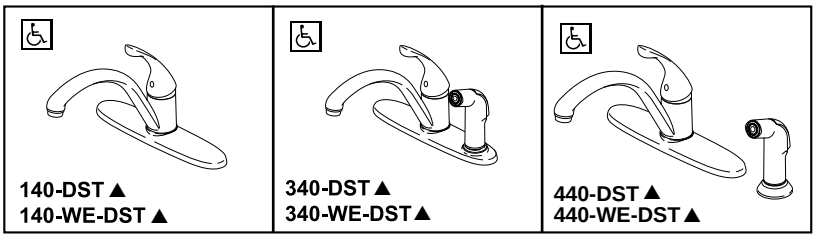
AREAS

Employee Areas

Delta Faucet Company

Model: Kitchen Faucet with Sprayer Hose
Model Number: 440-DST

Color/Finish: Refer to Plumbing Fixture Matrix



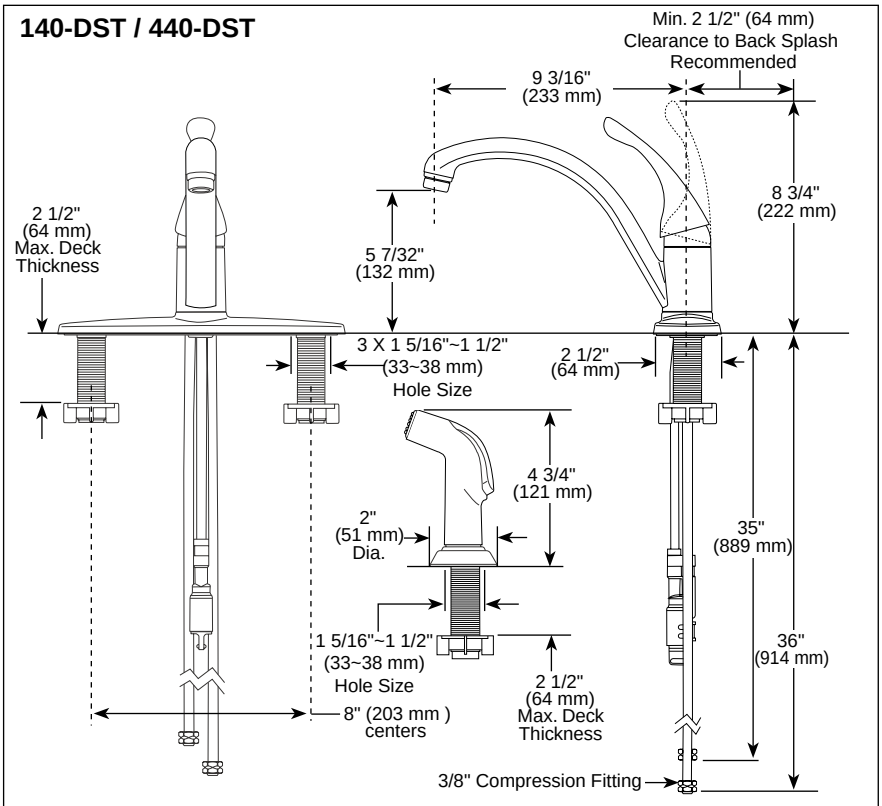
140-DST ▲
140-WE-DST ▲

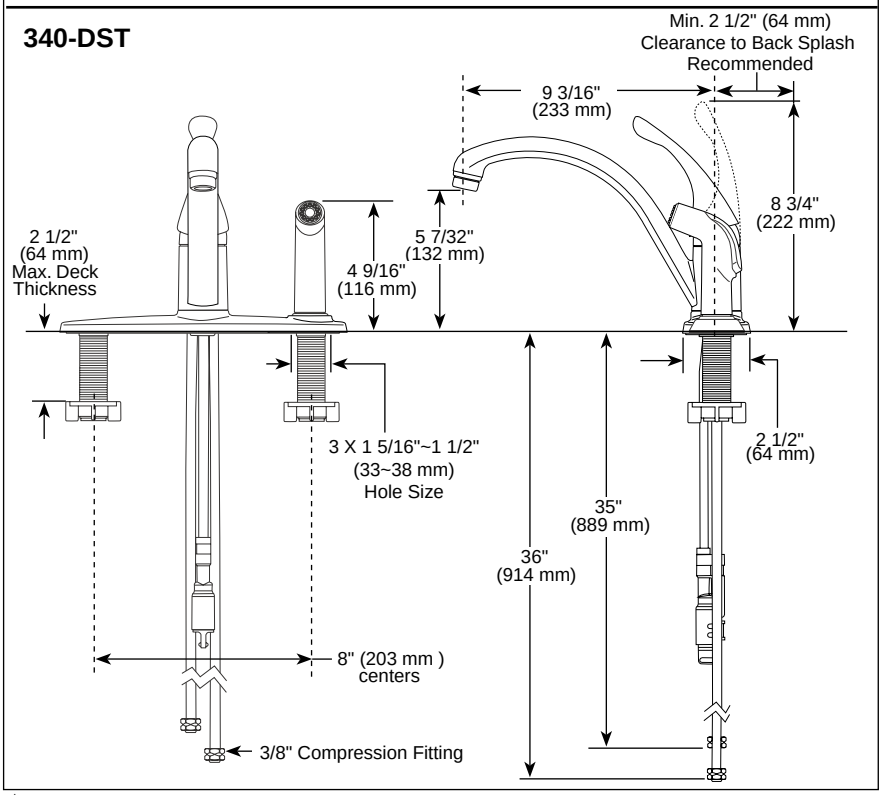
340-DST ▲
340-WE-DST ▲

440-DST ▲
440-WE-DST ▲

Submitted Model No.: _____

Specific Features: _____





▲ Designate Proper Finish Suffix

Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.specselect.com for finish options and product availability.

DSP-K-140-DST Rev. D

KITCHEN FAUCETS

- Collins™ Series
- Single Handle Deck Mount
- 3 and 4 Hole Sink Applications
- DIAMOND™ Seal Technology
- Integrated Supply Tubes

STANDARD SPECIFICATIONS:

- 9 3/16" (233 mm) long spout swings 180°.
- Lever handle shall return to neutral position when faucet is turned off.
- Control mechanism shall be the diamond coated ceramic cartridge.
- Red/blue graphics on handle button to indicate hot/cold temperature
- Models 340 and 440 series with spray attachment have anti-siphon device as integral part of faucet.
- Vegetable sprayer hose with matching finish sprayhead on models 340 and 440 series - 45" (1143mm) long hose.
- 3/8" O.D. straight, staggered pex supply tubes- 35" (889 mm) and 36" (914 mm) long.
- Standard 3/8" (10 mm) compression gasket fittings.

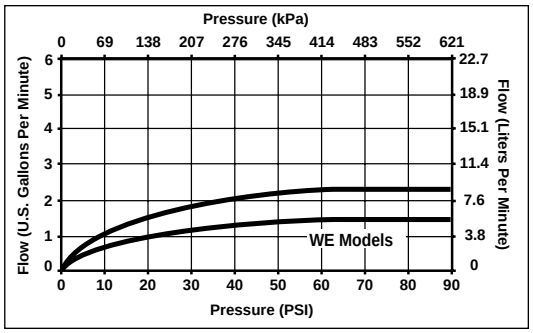
WARRANTY

- Lifetime Faucet and Finish Limited Warranty to the original consumer purchaser to be free from defects in material and workmanship.
- 5 Year Limited Warranty for usage in all industrial, commercial and business applications.

COMPLIES WITH:

ASME A112.18.1 / CSA B125.1
Indicates compliance to ICC/ANSI A117.1
- CSA Certified

Verified compliant with .25% weighted average Pb content regulations



DELTA FAUCET COMPANY

55 E. 111th Street, Indianapolis, Indiana 46280
395 Matheson Blvd. E., Mississauga, On L4Z 2H2

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SVS-01 Back-of-House Service Sink

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-107-KO_SVS-01

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Service Sink
Item Type	Bannon Service Sink
Description	"Bannon" Cast Iron 22-1/4" x 18-1/4" (Basin: 18" x 14" x 12") Wall Hung
Manufacturer	Kohler
Model	K-6714-0
Dimensions	Refer to attachment
Color	White
Finish	Acid resistant enamel nish
Material Composition	Cast Iron
Global Specification	Y
CSI #	224200 - Plumbing Fixtures
Omniclass #	22-224200 - Plumbing Fixtures
Quality Standards	Meets ASME A112.19.1/CSA B45.
Part of an Assembly	N
Warranty	Lifetime Limited Warranty

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 2

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Engineering & Maintenance
Housekeeping

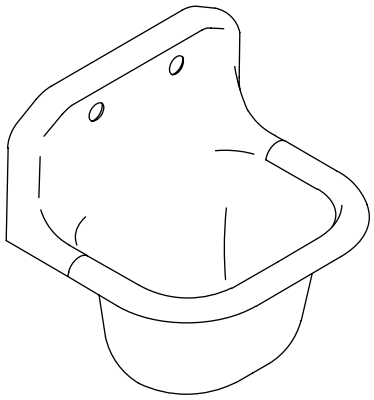
KOHLER®

BANNON™

SERVICE SINK
K-6714
ALSO K-6716, K-6718, K-6719

Features

- *KOHLER cast iron*
- *Acid resistant enamel finish*
- *Single compartment*
- *With rim guard*
- *2-hole (K-6714 and K-6716)*
- *Drilled back (K-6714 and K-6716) or blank back (K-6718 and K-6719)*



Codes/Standards Applicable

Specified model meets or exceeds the following:

- *IAPMO/UPC*
- *ASME A112.19.1M*
- *CSA B45*

Colors/Finishes

- 0: White

Accessories:

- CP: Polished Chrome
- RP: Rough Plate
- NA: None applicable

Specified Model

Model	Description	Colors/Finishes	
K-6714	22-1/4″ (56.5 cm) x 18-1/4″ (46.4 cm) drilled back service sink	❑ 0 White	
K-6716	24″ (61 cm) x 20-1/4″ (51.4 cm) drilled back service sink	❑ 0 White	
K-6718	22-1/4″ (56.5 cm) x 18-1/4″ (46.4 cm) blank back service sink	❑ 0 White	
K-6719	24″ (61 cm) x 20-1/4″ (51.4 cm) blank back service sink	❑ 0 White	
Recommended Accessories			
K-6672	Trap for 2″ (5 cm) iron pipe	❑ NA	
K-6673	Trap for 3″ (7.6 cm) iron pipe	❑ NA	
K-8905	Knoxford™ faucet for K-6714 and K-6716 sinks	❑ CP	❑ RP
K-8906	Knoxford™ faucet for K-6718 and K-6719 sinks	❑ CP	❑ RP
K-8907	Kinlock™ faucet for K-6714 and K-6716 sinks	❑ CP	❑ RP
K-8908	Kinlock™ faucet for K-6718 and K-6719 sinks	❑ CP	❑ RP

Product Specification:

The service sink shall be 22-1/4″ (56.5 cm) in length and 18-1/4″ (46.4 cm) in width, or 24″ (61 cm) in length and 20-1/4″ (51.4 cm) in width. Sink shall be made of cast iron with acid resistant enamel finish. Sink shall be single compartment with drilled back (K-6714 and K-6716) or blank back (K-6718 and K-6719). Sink shall have a rim guard. Sink shall be Kohler Model K-_____-0.

USA: 1-800-4-KOHLER
Canada: 1-800-964-5590
kohler.com

BANNON™

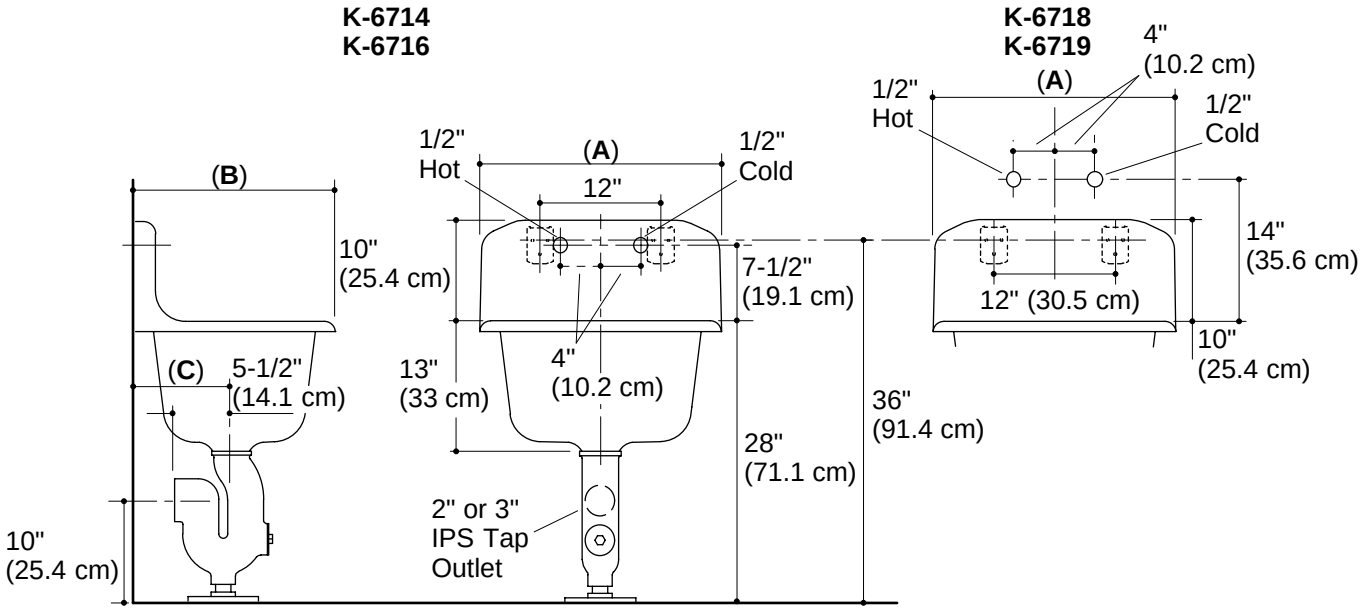
Technical Information

Fixture*:	basin area	water depth
Sink (K-6714 and K-6718)	18″ (45.7 cm) x 14″ (35.6 cm)	12″ (30.5 cm)
Sink (K-6716 and K-6719)	20″ (50.8 cm) x 16″ (40.6 cm)	12″ (30.5 cm)
Drain hole	2-7/8″ (7.3 cm) D.	
Faucet holes	1-1/2″ (3.8 cm) D.	
Rim guard holes	5/8″ (1.6 cm) D.	
* Approximate measurements for comparison only.		

Included Components:	
Hangers	64515
Stainless steel rim guard (K-6714 and K-6718)	44603
Stainless steel rim guard (K-6716 and K-6719)	44602

Installation Notes

Install this product according to the installation guide.



	(A)	(B)	(C)
K-6714, K-6718	22-1/4" (56.5 cm)	18-1/4" (46.4 cm)	8-1/2" (21.6 cm)
K-6716, K-6719	24" (61 cm)	20-1/4" (51.4 cm)	9-1/2" (24.1 cm)

Product Diagram

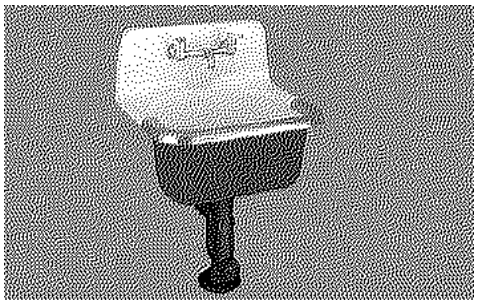
THE BOLD LOOK OF KOHLER®

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-107-LI_SVS-01

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:



Item Name	Service Sink
Item Type	Lakewell Service Sink
Description	Lakewell Cast Iron Service Sink 22" x 18" (Basin: 18-1/2" x 14-1/8" x 10-1/2") Wall Hung
Manufacturer	American Standard (Lixil Parent Company)
Model	7692.008.020
Dimensions	Refer to attachment
Color	White
Material Composition	Enameled cast iron
Global Specification	Y
CSI #	224200 - Commercial Plumbing Fixtures*
Omniclass #	22-224200
Quality Standards	Meets ASME A112.19.1 for Cast Iron Plumbing Fixtures; CAN / CSA B45 Series
Part of an Assembly	N
Warranty	Limited 1-Year warranty
Notes	SUITABLE REINFORCEMENT REQUIRED FOR ALL WALL SUPPORTS.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 2

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

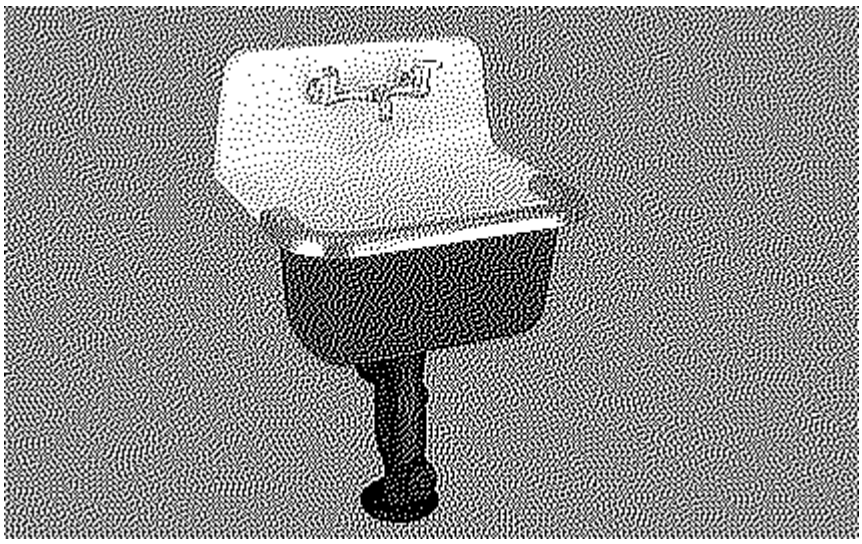
Engineering & Maintenance
Housekeeping

American Standard Inc

Model: **Lakewell Service Sink**

Model Number: **7692.008.020**

Color/Finish: **White**



American Standard

LAKEWELL™ SERVICE SINK

ENAMELED CAST IRON

LAKEWELL™ SERVICE SINK

- Enameled cast iron (inside only enameled)
- Supplied with wall hanger and rim guard
- Available with plain back or drilled back for faucet

❑ **7692.008**
Drilled back for faucet

❑ **7692.000**
Plain back (no faucet hole drilling)

❑ **8379.018**
Rim Guard

Nominal Dimensions: 22” x 18”
(559 x 457mm)

Bowl sizes:

18-1/2” (470mm) wide,
14-1/8” (359mm) front to back,
10-1/2” (267mm) deep

Compliance Certifications -
Meets or Exceeds the Following Specifications:
- ASME A112.19.1 for Cast Iron Plumbing Fixtures
- CAN / CSA B45 Series

To Be Specified

❑ Faucet: 8340.235 exposed yoke wall-mount utility faucet

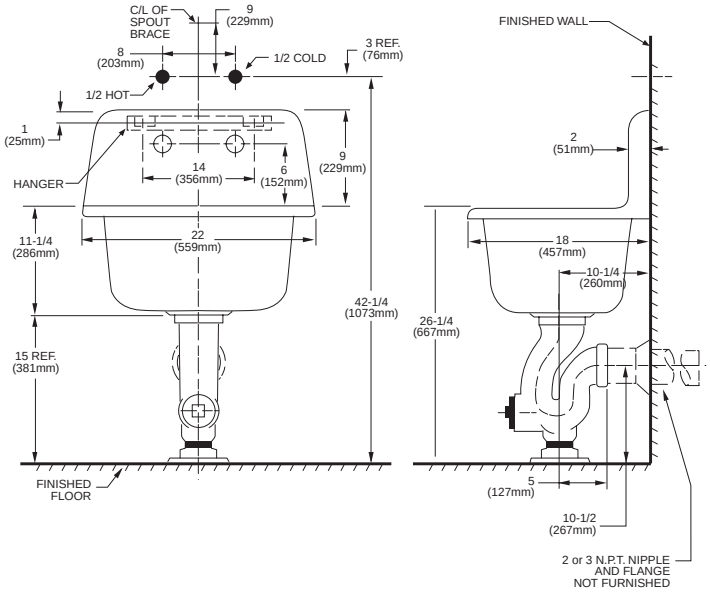
❑ Faucet: 8340.243 same as above with vacuum breaker

❑ Faucet: 8341.076 same as above with vacuum breaker and stops in shanks

❑ Alternative Faucet

❑ Trap Standard: 7798.030 cast iron “P” trap standard to wall and strainer for 3” iron pipe

❑ Trap Standard: 7798.020 cast Iron “P” trap standard to wall and strainer for 2” iron pipe



NOTES:
PROVIDE SUITABLE REINFORCEMENT FOR ALL WALL SUPPORTS.
FITTING AND TRAP STANDARD NOT INCLUDED AND MUST BE ORDERED SEPARATELY.
IMPORTANT: Dimensions of fixtures are nominal and may vary within the range of tolerances established by ANSI Standard A112.19.1
These measurements are subject to change or cancellation. No responsibility is assumed for use of superseded or voided leaflet.

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American Standard

TRAP STANDARDS

ENAMELED CAST IRON

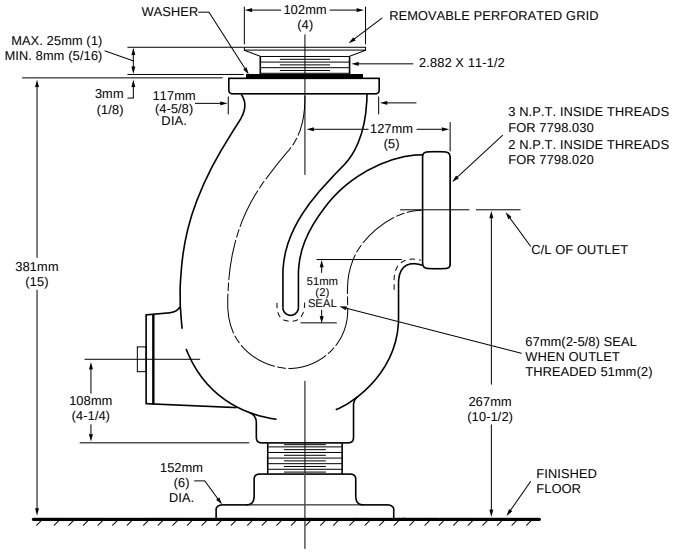
TRAP STANDARDS

❑ **7798.020**
2” iron pipe with cleanout plug and strainer

❑ **7798.030**
3” iron pipe with cleanout plug and strainer

Compliance Certifications -
Meets or Exceeds the Following Specifications:
• ASME A112.19.1 for Cast Iron Plumbing Fixtures

7798.020 / .030 IS FOR ENAMELED IRON SERVICE SINK



IMPORTANT: Dimensions of fixtures are nominal and may vary within the range of tolerances established by ANSI Standard A112.19.1
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Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-108-DE_SVS-01

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Sink Strainer
Item Type	Sink Strainer
Description	Sink strainer for kitchen
Manufacturer	Delta Faucet Company
Model	72010
Dimensions	Refer to attachment
Color	Chrome
Finish	Polished
Material Composition	Brass
CSI #	224200 - Plumbing Fixtures
Omniclass #	22 - 224200 - Plumbing Fixtures
Warranty	5 year limited warranty on parts and finishes

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Delta Faucet Company
Contact Name: Emily Mueller
Phone: (210) 870-9932
Email: emily.mueller@deltafaucet.com

ALTERNATE MANUFACTURER 2

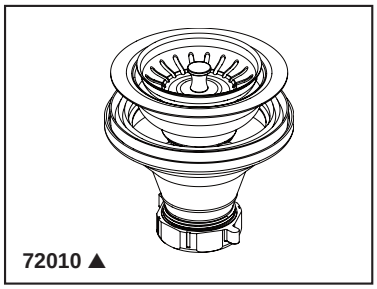
Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Engineering & Maintenance
Housekeeping



72010 ▲

see what Delta can do™

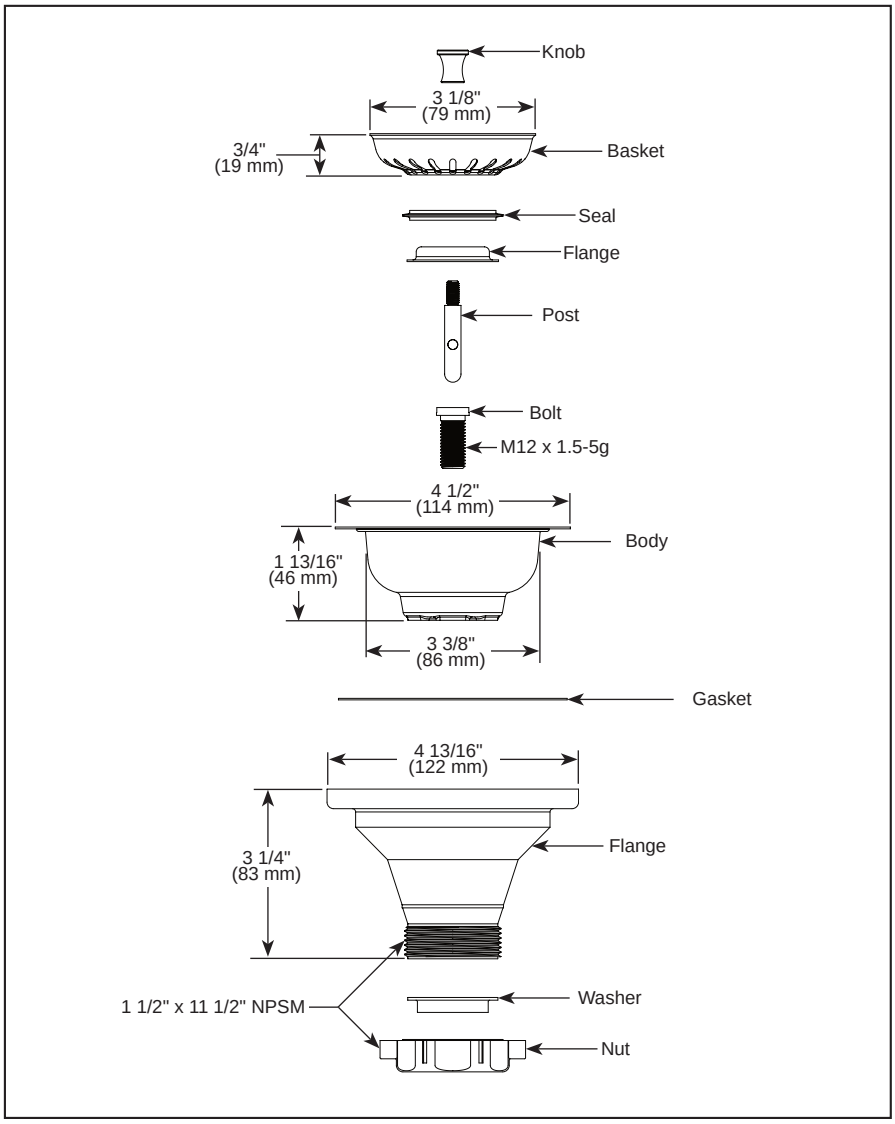
FLANGE & STRAINER

Submitted Model No.:_____

Specific Features:_____

STANDARD SPECIFICATIONS:

- 4 1/2" diameter brass flange
- Kitchen sink applications
- Top mount flange provides easy installation
- Brass strainer and basket ensure quality and reliability



▲ Designate Proper Finish Suffix

WARRANTY

- Lifetime limited warranty on parts (other than electronic parts and batteries) and finishes: or, for commercial users, for 5 years from date of purchase.
- 5 year limited warranty on electronic parts (other than batteries); or, for commercial users, for 1 year from the date of purchase. No warranty is provided on batteries.

Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.deltafaucet.com for finish options and product availability.

DSP-A-72010 Rev. C

Delta Faucet Company
55 E. 111th Street, Indianapolis, IN 46280
350 South Edgeware Road, St. Thomas, ON N5P 4L1
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Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-108-KO_SVS-01

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Sink Strainer
Item Type	Sink Strainer
Description	Adjustable trap standard for 2" iron pipe connection with cleanout plug and strainer
Manufacturer	Kohler
Model	K-6672; K-6673
Dimensions	Refer to attachment
Color	CP
Finish	Polished Chrome
Global Specification	Y
CSI #	224200 - Plumbing Fixtures
Omniclass #	22-224200 - Plumbing Fixtures
Part of an Assembly	N
Warranty	Lifetime Limited Warranty

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Engineering & Maintenance
Housekeeping

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-108-LI_SVS-01

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Sink Strainer
Item Type	Sink Strainer
Description	Brass Adjustable Sink Strainer Drain for 3-1/2" Outlet Brass Locknut and Coupling Nut 1-1/2" Tailpiece Brass Construction
Manufacturer	American Standard (Lixil Parent Company)
Model	4331.013.002
Dimensions	Sink Strainer Drain for 3-1/2" Outlet
Finish	Polished Chrome
Material Composition	Brass
Global Specification	Y
CSI #	224200 - Plumbing Fixtures
Omniclass #	22-224200 - Plumbing Fixtures
Part of an Assembly	N

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 2

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 3

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 4

Vendor Name: Delta Faucet Company
Contact Name: Emily Mueller
Phone: (210) 870-9932
Email: emily.mueller@deltafaucet.com

AREAS

Engineering & Maintenance
Housekeeping

American Standard

KITCHEN ACCESSORIES
OTHER KITCHEN ACCESSORIES

Model #	Description/Features	Finishes
4331.013 	**BRASS ADJUSTABLE SINK STRAINER DRAIN** • For 3-1/2" (89mm) outlet • Brass locknut and coupling nut • 1-1/2" (38mm) tailpiece • Brass construction	.002 Polished Chrome .068 Blackened Bronze (PVD) .075 Stainless Steel .099 Polished Brass (PVD) .295 Satin Nickel (PVD)

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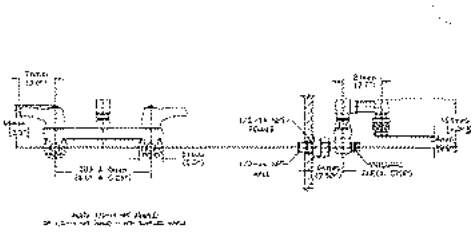
Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-205-DE_SVS-01

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Sink Faucet
Item Type	Sink Faucet
Description	Sink faucet wallmount with threaded spout for hose connection, lever handles, with vacuum breaker. 3.2" spout and 8" centers
Manufacturer	Delta Faucet Company
Model	28C2063
Dimensions	Refer to attachment
Color	Chrome
Finish	Polished
CSI #	224200 - Plumbing Fixtures
Omniclass #	22-224200 Plumbing Fixtures
Quality Standards	ASME A112.18.1
Accessibility Compliance	ASME A117.1, ADA Compliant



SPECIAL INSTRUCTIONS

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Vendor Name: Delta Faucet Company
Contact Name: Emily Mueller
Phone: (210) 870-9932
Email: emily.mueller@deltafaucet.com

ALTERNATE MANUFACTURER 2

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 3

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 4

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

AREAS

Engineering & Maintenance

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-205-KO_SVS-01

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Faucet
Item Type	Faucet for Service Sink
Description	"Knoxford" - threaded spout for hose connection lever handles and pail hook 4-5/8" Wall-to-spout outlet / 8" Centers
Manufacturer	Kohler
Model	K-8928-CP - Knoxford Service Sink Faucet
Dimensions	Refer to attachment
Color	CP
Finish	Polished Chrome
Material Composition	Brass construction
Global Specification	Y
CSI #	224200 - Plumbing Fixtures
Omniclass #	22-224200 - Plumbing Fixtures
Quality Standards	Meets ASME A112.18.1/CSA B125.1;
Accessibility Compliance	Meets ADA - ICC/ANSI A117.1
Warranty	KOHLER® Faucet Lifetime Limited Warranty

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 2

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 3

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 4

AREAS

Engineering & Maintenance
Housekeeping

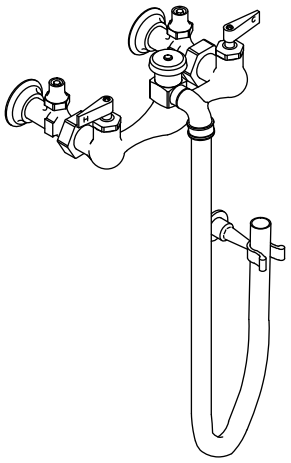
KOHLER® FAUCETS

Features

- *Brass construction*
- *For 8″ (203 mm) centers*
- *Brass valve bodies*
- *Valvet® valves*
- *ADA compliant lever handles*
- *3” (76 mm) threaded spout for hose connection*
- *7” (178 mm) wall-to-spout outlet*
- *Rubber hose*
- *Wall hook*
- *Internal NPT connections*

SERVICE SINK FAUCET
K-8928

ADA



Codes/Standards Applicable

Specified model meets or exceeds the following:

- *ASME A112.18.1/CSA B125.1*
- *ADA*
- *ICC/ANSI A117.1*

Colors/Finishes

- CP: Polished Chrome

Specified Model

Model	Description	Colors/Finishes
K-8928	Service sink faucet	❑ CP

Product Specification

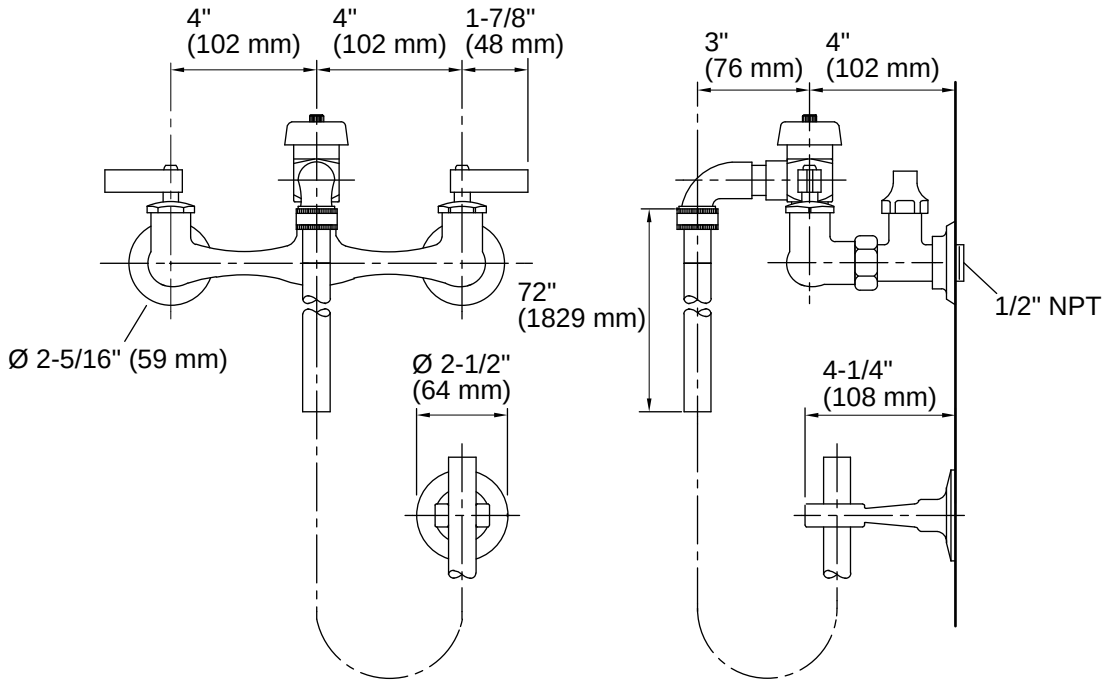
Two-handle service sink faucet shall be of brass construction. Faucet shall feature brass valve bodies. Faucet shall also feature Valvet valves. Product shall include 8” (203 mm) centers, 3” (76 mm) threaded spout for hose connection, 7” (178 mm) wall-to-spout outlet, lever handles, vacuum breaker, loose key stops, rubber hose, wall hook, and internal NPT connections. Faucet shall be Kohler Model K-8928-CP.

USA/Canada: 1-800-4KOHLER
(1-800-456-4537)
www.kohler.com

Installation Notes

Install this product according to the installation guide.

Product complies with ASME A112.18.1/CSA B125.1. All dimensions are nominal.



Product Diagram

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-205-LI_SVS-01

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Faucet
Item Type	Wall-Mount Utility Faucet
Description	"Exposed Yoke" wall-mount - threaded spout for hose connection lever handles and pail hook 6-1/2" Wall-to-spout outlet / 8" Centers
Manufacturer	American Standard (Lixil Parent Company)
Model	8350.235.002 - Exposed Yoke Wall-Mount Utility Faucet
Dimensions	Refer to attachment
Color	CP
Finish	Polished Chrome
Material Composition	Cast brass spout. Ceramic disc valves.
Global Specification	Y
CSI #	224200 - Plumbing Fixtures
Omniclass #	22-224200 - Plumbing Fixtures
Quality Standards	ASME A112.18.1; CSA B 125
Accessibility Compliance	Meets ADA - ANSI A117.1
Part of an Assembly	N
Warranty	AS AMERICA, INC. FAUCET LIMITED LIFETIME FUNCTION AND FINISH WARRANTY

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 2

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 3

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 4

AREAS

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Housekeeping

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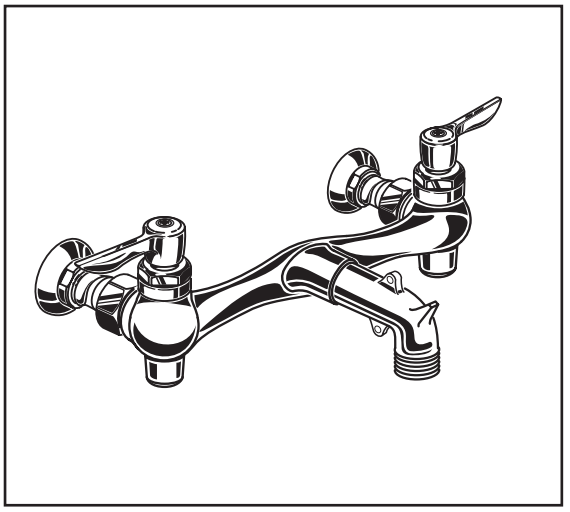
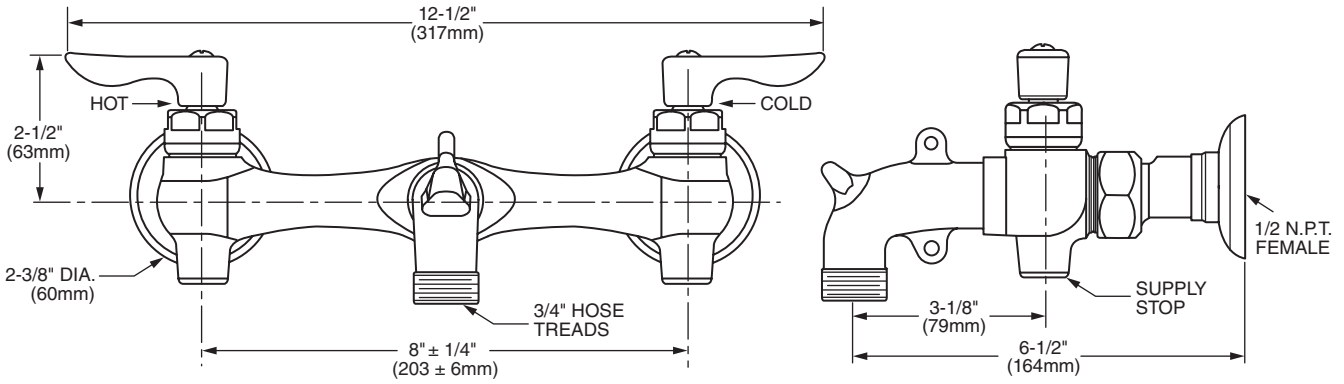
Style That Works Better

EXPOSED YOKE WALL-MOUNT UTILITY FAUCET



MODEL NUMBER:

- **8350.235 Exposed Yoke Wall-Mount Utility Faucet**
  3" Cast brass spout. Ceramic disc valves. Integral supply stops. Vandal- resistant metal lever handles. Bucket hook. 3/4" Threaded hose end. 1/2" NPT female inlets.



GENERAL DESCRIPTION:

Cast brass body. Metal lever handles with hot and cold indicators and vandal-resistant screws. 1/4 turn ceramic disc valve cartridges. Integral supply stops. Spout with bucket hook and threaded hose end. 1/2" female inlets with adjustable centers from 7-3/4" - 8-1/4" (197mm - 210mm).

PRODUCT FEATURES:

Cast Brass Construction: Durable - Excellent in high use applications.

Ceramic Disc Valve Cartridges: Assure a lifetime of drip-free performance.

Integral Supply Stops: Permits easy and convenient access.

Choice of Finishes: Available in Polished Chrome (002) or Rough Chrome (004).

SUGGESTED SPECIFICATION

Exposed yoke wall-mount utility faucet shall feature a cast brass body with integral stops. Cast brass spout with bucket hook and vandal-resistant metal lever handles. Shall also feature 1/4 turn washerless ceramic disc valve cartridges. Fitting shall be American Standard Model # 8350.235.___.

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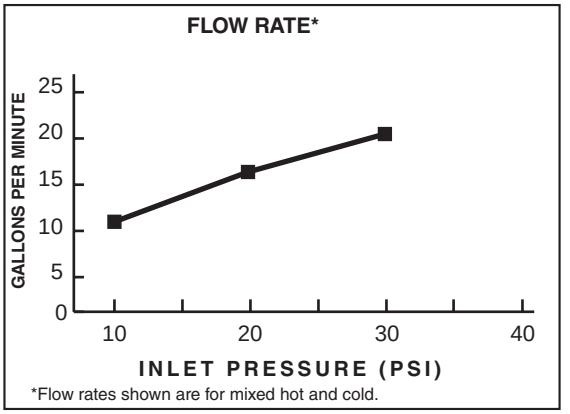
American Standard
Style That Works Better

EXPOSED YOKE WALL-MOUNT UTILITY FAUCET

CODES AND STANDARDS

These products meet or exceed the following codes and standards:

ASME A112.18.1
CSA B 125
ANSI A117.1



Product Number	Description	Finish Options	
		Polished Chrome 002	Rough Chrome 004
8350.235	Exposed yoke wall-mount utility faucet. Ceramic disc valves. Vandal resistant lever handles.	4	

MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 REQUIREMENTS FOR ACCESSIBLE AND USABLE BUILDING FACILITIES-CHECK LOCAL CODES

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PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-205-MO_SVS-01

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Faucet for mop sink
Item Type	Faucet for mop sink
Description	Two-handle service sink faucet, threaded spout for hose connection, lever handles and pail hook.
Manufacturer	Moen
Model	8230
Dimensions	9-3/8" Wall to spout outlet / 8" centers
Finish	Chrome
Material Composition	Brass
CSI #	242000 - Plumbing Fixtures
Omniclass #	22-242000 - Plumbing Fixtures
Quality Standards	Third party certified by IAPMO and CSA to meet ASME A112.18.1M
Accessibility Compliance	ANSI A117.1 current version
Eco-Feature(s) *as per manufacturer	Not applicable
Quality Standards	Third party certified by IAPMO and CSA to meet ASME A112.18.1M and all applicable specifications referenced therein ADA for lever handles
Lead Time	To be verified
Warranty	Warranted 5 years against material or manufacturing defects

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 2

Vendor Name: Fiat
Contact Name: Customer Service
Phone: (800) 387-0369
Email: info@fiat.ca

ALTERNATE MANUFACTURER 3

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 4

AREAS

Engineering & Maintenance
Housekeeping

MOEN®
COMMERCIAL

Specifications

FAUCET DESCRIPTION
- Brass construction, rough chrome finish
- Integral spout with garden hose thread
- 1/2" IPS eccentric connections
- Vandal resistant torx head screws

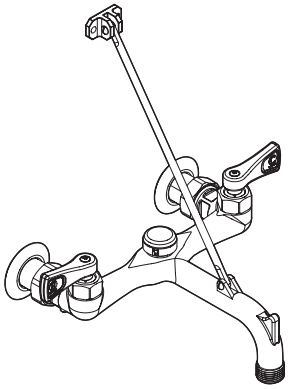
OPERATION
- Lever style handles with hot and cold color indicators

FLOW
- Unrestricted

CARTRIDGE
- Brass shell ceramic disc cartridge
- 1/4 turn operation

STANDARDS
- Third party certified by IAPMO and CSA to meet ASME A112.18.1M, ANSI A117.1 and all applicable specifications referenced therein

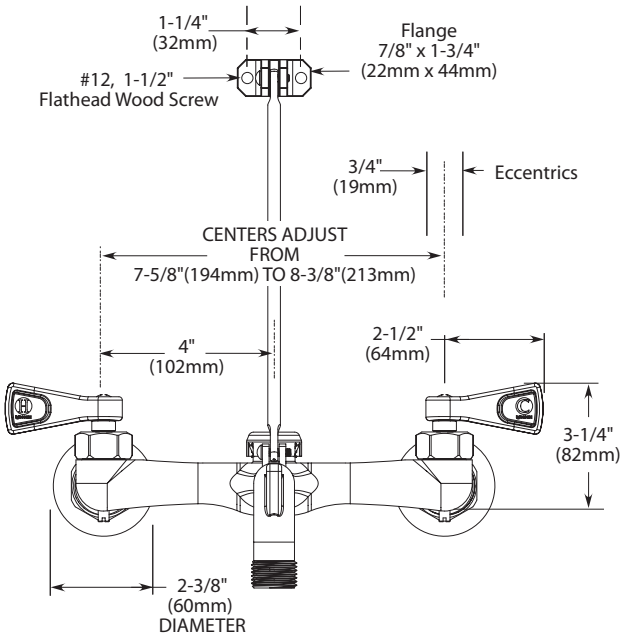
WARRANTY
- Warranted for 5 years against material or manufacturing defects

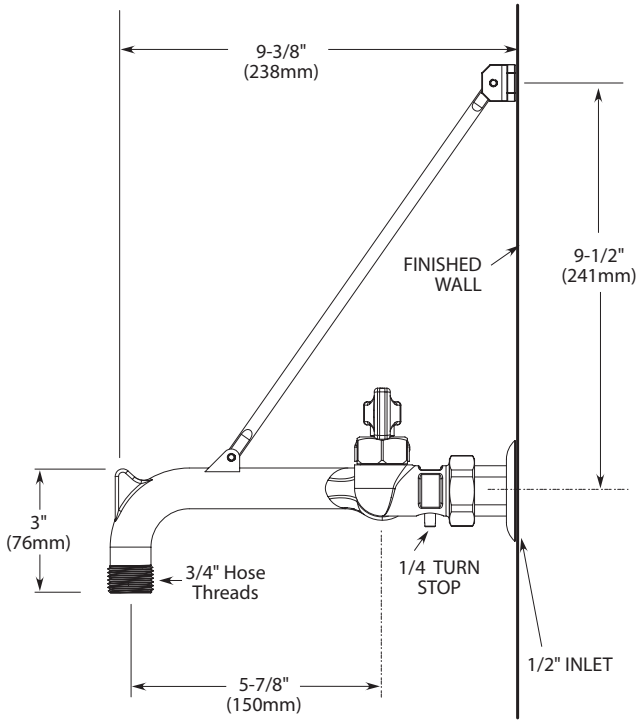


ADA

Two-Handle Service Sink Faucet

Model: 8230 (Chrome)





CRITICAL DIMENSIONS

(DO NOT SCALE)

SVS-02 Back-of-House Laundry Sink

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-109-EL_SVS-02

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Service Sink
Item Type	Laundry Tub
Description	Double Compartment - One-Piece Molded construction with complete drain assembly, twin drain waste coupling, 4 legs, levelers and stopper, Floor Mounted
Manufacturer	E.L. Mustee & Sons
Model	27F UTILATWIN
Dimensions	40"W x 24"D x 34"H (Basin: 14-3/8"D)
Color	White
Material Composition	Structural Thermoplastic
Global Specification	Y
CSI #	224200 - Plumbing Fixtures
Omniclass #	22-224200 - Plumbing Fixtures
Quality Standards	Meets IAPMO; Warnock hersey; ANSI specification z 124.6
Part of an Assembly	N

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: E.L. Mustee & Sons, Inc
Contact Name: Marcus and Weimer, Inc.
Phone: (440) 247-3570
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Fiat
Contact Name: Customer Service
Phone: (800) 387-0369
Email: info@fiat.ca

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Back-of-House Laundry

MUSTEE
Preferred by the "Pros"

27F and 27W UTILATWIN® Laundry/Utility Tubs — Premier

SEE PAGE 2 FOR A LIST OF

Design features:

- **High strength, one piece molded construction**
- **Produced with Mustee's proprietary structural thermoplastic resins and innovative cellular molding process creating extreme strength & durability**
- **Includes Twin-Drain Waste connector which joins drain assemblies to assure rapid and uniform waste water discharge…includes washers, slip nuts and stoppers.**
- **Divider wall between tubs is recessed one inch, permitting water to overflow from one tub to other, prevents water spilling onto floor.**
- **Large, self-draining back shelf with retainer curb that prohibits water run-off except into tub.**
- **19 Gallon capacity per tub, extra deep 13" tubs with smooth surfaces**
- **Connects to standard 1½" P or S trap**
- **Accommodates single or dual-handle faucets. 4" or 8" centers**
- **Floor model includes heavy gauge steel legs with adjustable levelers**
- **Wall model includes wall mounting bracket, side supports and mounting hardware for securing tub to concrete or stud wall**
- **Mold and mildew-resistant components**
- **Easy to assemble and install**
- **Color-fast white finish**

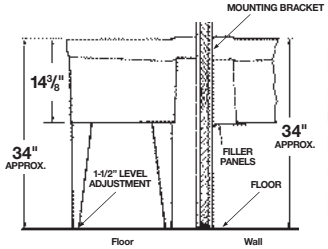
Code Accepted:

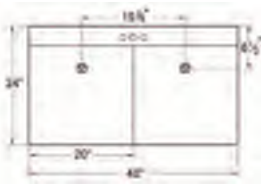
UTILATUB® and UTILATWIN® Laundry/Utility Tubs meet or exceed performance requirements as listed:

- **International Association of Plumbing and Mechanical Officials (IAPMO)® Listed**
- **Warnock Hersey® (Canada) Listed—CSA test standards: Laundry Tray - #B45.0 and #B45.5; Drain - #B125**
- **American National Standards Institute (ANSI)—Specification Z 124-2011**

Specifications

Colors & Models:	Model	Mounting	H x W x D	UPC
White	27F	Floor	34" x 40" x 24"	6 71031 00057 6
White	27W	Wall	34" x 40" x 24"	6 71031 00058 3





General: Furnish and install as shown on plans, UTILATWIN® Twin Laundry/Utility Tub model____(27F, 27W), as manufactured by E.L. Mustee & Sons, Inc. Tub shall be one-piece molded construction using structural thermoplastics with matched metal molds under extreme heat and pressure. Tub to include integrally molded drains, twin drain waste coupling, recessed divider wall between tubs and twin drain assembly for connection to standard 1-1/2" P or S-trap, stoppers and wall mounting hardware or heavy gauge steel legs with built-in levelers. 19 gallon capacity per tub, each tub 13" deep. Shall meet ANSI Z 124-2011. Color: White. Weight: 27F 40 lbs.; 27W 40 lbs.

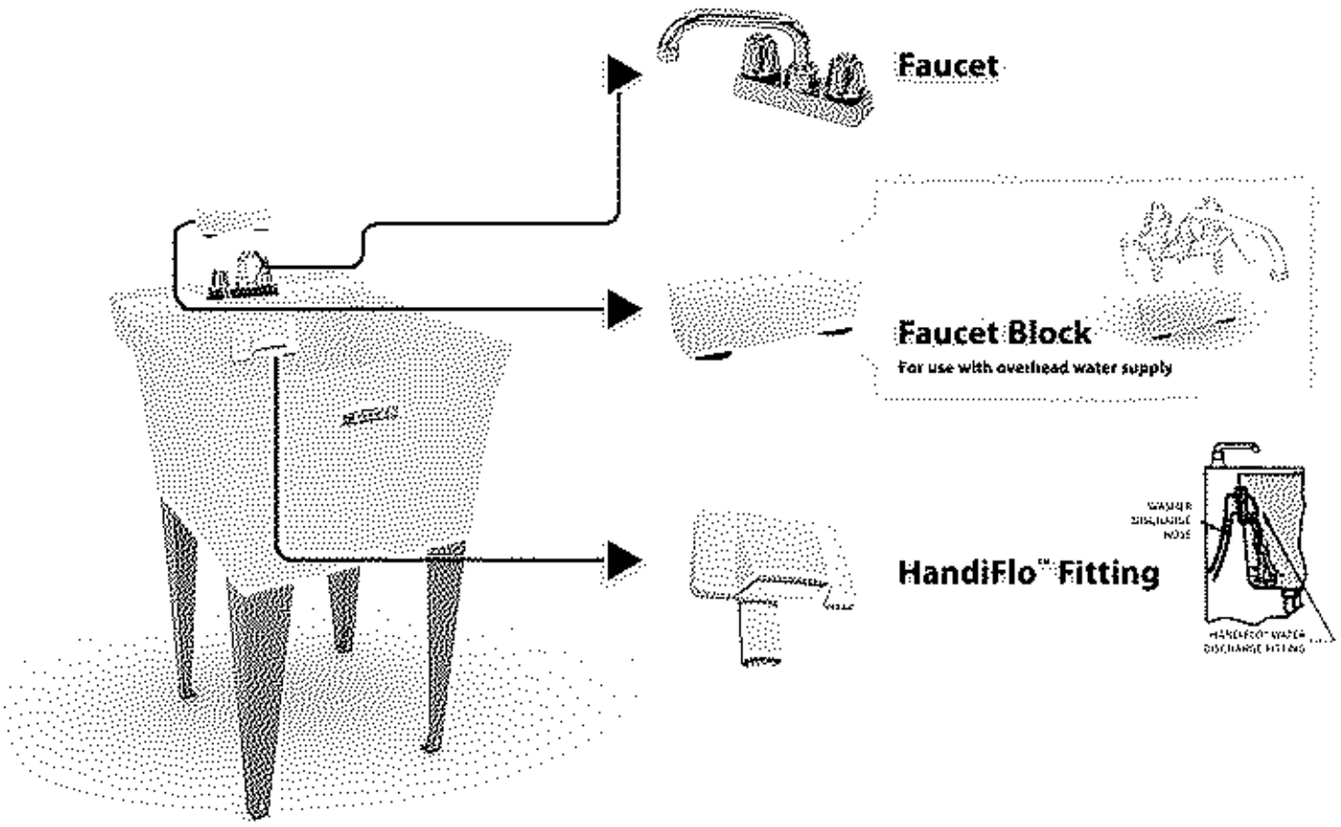
MUSTEE

E.L. Mustee & Sons, Inc. • 5431 West 164th Street • Brook Park, OH 44142 • Phone: 216.267.3100 • Fax: 216.267.9997
E-mail: info@mustee.com. • Web: www.mustee.com • Proudly made in the USA

Notice: Our continuous commitment to product improvement may result in changes to product specifications without notice.
Patents pending. Made and Printed in U.S.A.

MUSTEE
Preferred by the "Pros"

27F and 27W UTILATWIN® Laundry/Utility Tub Accessories

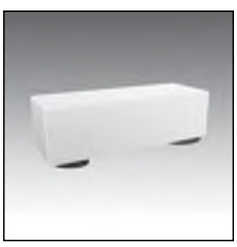


Faucet

Model No.	UPC
93.600	6 71031 00232 7

Chrome finish, 4" center set brass faucet. 7" swing spout with aerator, level handles, replaceable seats and stems. Areator or hose end.

Faucet Block



Model No.	UPC
20.600	6 71031 00031 6

Used when water supply lines are above the tub. Mounts to tub shelf when using a clamp-on faucet.

HandiFlo™ Fitting

Model No.	UPC
94.700	6 71031 00287 7

Dispenses water from washing machine discharge hose into laundry tub. Eliminates draping washer machine hose over back/side wall of laundry tub and conceals discharge hose. Mounts to back or side wall of laundry tub, includes mounting hardware.

MUSTEE
E.L. Mustee & Sons, Inc. • 5431 West 164th Street • Brook Park, OH 44142 • Phone: 216.267.3100 • Fax: 216.267.9997
E-mail: info@mustee.com. • Web: www.mustee.com • Proudly made in the USA

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Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-109-FI_SVS-02

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Service Sink
Item Type	Laundry Tub
Description	"Molded-Stone Floor Mounted Serv-A-Sink" Twin Compartment Molded construction With complete drain assembly, twin drain waste coupling, 4 legs, levelers and stopper; Floor Mounted
Manufacturer	Fiat
Model	FLTD II Molded-Stone Serv-A-Sink
Dimensions	40"W x 24"D x 33-3/4"H (Basin: 12-1/2"D)
Color	White
Material Composition	Steel
Global Specification	Y
CSI #	224200 - Plumbing Fixtures
Omniclass #	22-224200 - Plumbing Fixtures
Part of an Assembly	N

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Fiat
Contact Name: Customer Service
Phone: (800) 387-0369
Email: info@fiat.ca

ALTERNATE MANUFACTURER 2

Vendor Name: E.L. Mustee & Sons, Inc
Contact Name: Marcus and Weimer, Inc.
Phone: (440) 247-3570
Email:

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Back-of-House Laundry

NEW MOLDED-STONE® LAUNDRY TUBS

FLTD II

Molded-Stone® Serv-A-Sink®
Twin Compartment Laundry Tubs

FEATURES

- ***LTD II Wall Hung Serv-A-Sink®***

  Model LTD II Twin Tub is furnished with and supported by two mounting brackets of heavy gauge galvanized steel capable of being secured to the wall with mechanical fasteners. Model LTD II side fillers, which are assembled in the field to the mounting brackets, are made of white molded plastic polymer. LTD II is supplied with 4"(102mm) or 8"(203mm)" knockout center set faucet holes which are field drilled.

- ***FLTD II Floor Mounted Serv-A-Sink®***

  Model FLTD II Twin Tub is furnished with and supported by white baked enamel steel angle legs that slip into molded retainers and/or sockets for rigid friction fit. Legs are supplied with leveling devices.

NOTES

- *Model LTD II Twin Tub has overall outside dimensions of 40" x 24" x 13⅞" (1016 x 610 x 352), and inside dimensions (each compartment) of 19" x 18⅞" x 12½" (483 x 479 x 318).*
- *Model FLTD II Twin Tub has overall outside dimensions of 40" x 24" x 13⅞" (1016 x 610 x 352), and inside dimensions (each compartment) of 19" x 18⅞" x 12½" (483 x 479 x 318).*
- *Shipping weights: LTD II - 34 lbs*
  FLTD II - 36 lbs

OPTIONS

- *Deck type faucet (4" [102mm] center set) with 6¾" (171mm) spout. (A-1)*

FIAT PRODUCTS®
A CRANE PLUMBING COMPANY

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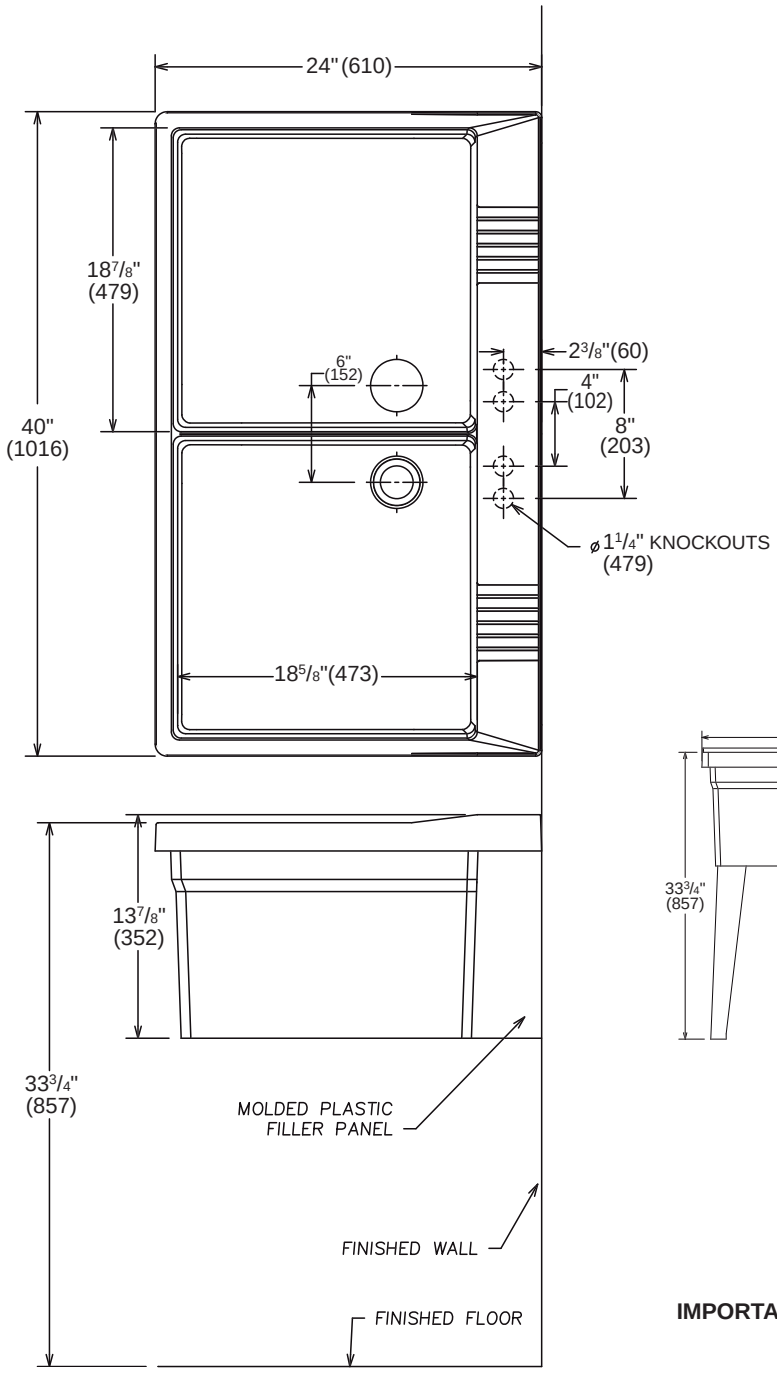
MOLDED-STONE® LAUNDRY TUBS

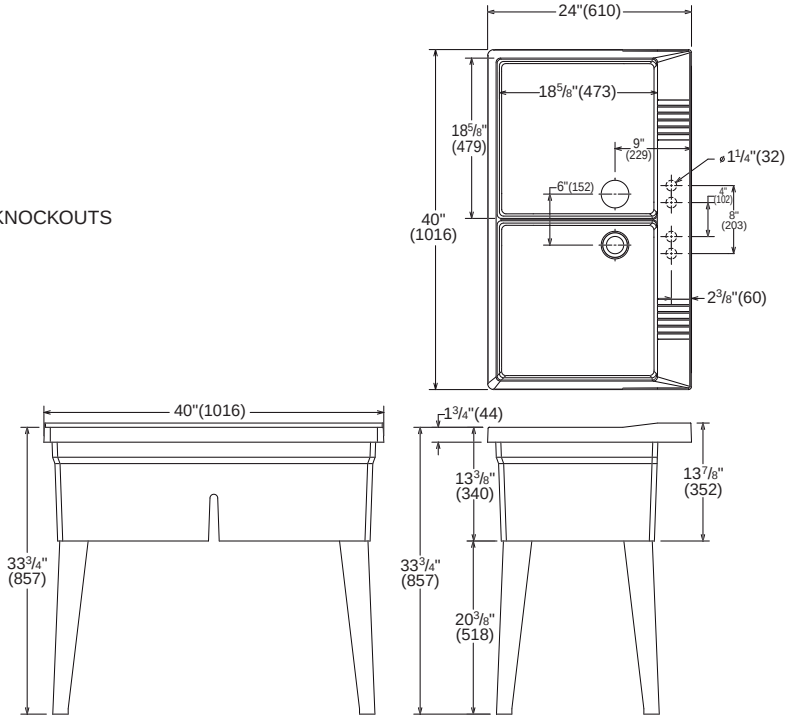
LTD II
FLTD II

Molded-Stone® Serv-A-Sink® Twin Compartment Laundry Tubs

MODEL LTD // WALL HUNG



MODEL FLTD // FLOOR MOUNTED



IMPORTANT: Roughing-in dimensions may vary 1/2" and are subject to change or cancellation without prior notice.

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Rev. 02/04 Printed in Canada

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-206-DE_SVS-02

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Faucet
Item Type	Faucet for Service Sink
Description	Two handle laundry faucet. 8.0 GPM, 6-12" high rise swing spout, 4" centers
Manufacturer	Delta Faucet Company
Model	2133
Dimensions	Refer to attachment
Color	Chrome
Finish	Polished
Material Composition	Brass
CSI #	224200 - Plumbing Fixtures
Omniclass #	22-224200 Plumbing Fixtures
Quality Standards	ASME A112.18.1-2000 / CSA B125-98
Accessibility Compliance	ICC / ANSI A117.1
Notes	Acceptable Manufacturers: Delta Faucet Company; Emily Mueller; (210) 870-9932; www.deltafaucet.com E.L. Mustee & Sons, Inc; Marcus and Weimer, Inc.; (440) 247-3570; www.mustee.com Kohler; Anupa Maru; (703) 371-4269; www.us.kohler.com Moen; Jason Reynolds; (407) 340-3249; www.moen.com Fiat; Customer Service; (800) 387-0369; www.fiat.ca

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Delta Faucet Company
Contact Name: Emily Mueller
Phone: (210) 870-9932
Email: emily.mueller@deltafaucet.com

ALTERNATE MANUFACTURER 2

Vendor Name: E.L. Mustee & Sons, Inc
Contact Name: Marcus and Weimer, Inc.
Phone: (440) 247-3570
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 4

Vendor Name: Moen

AREAS

Back-of-House Laundry

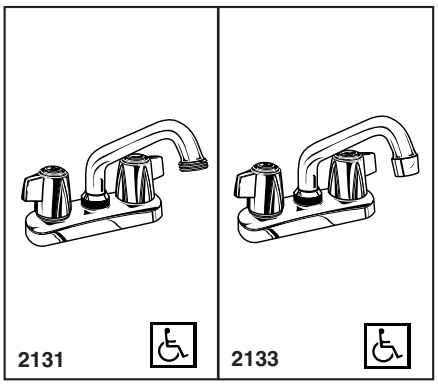
Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-206-DE_SVS-02

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com



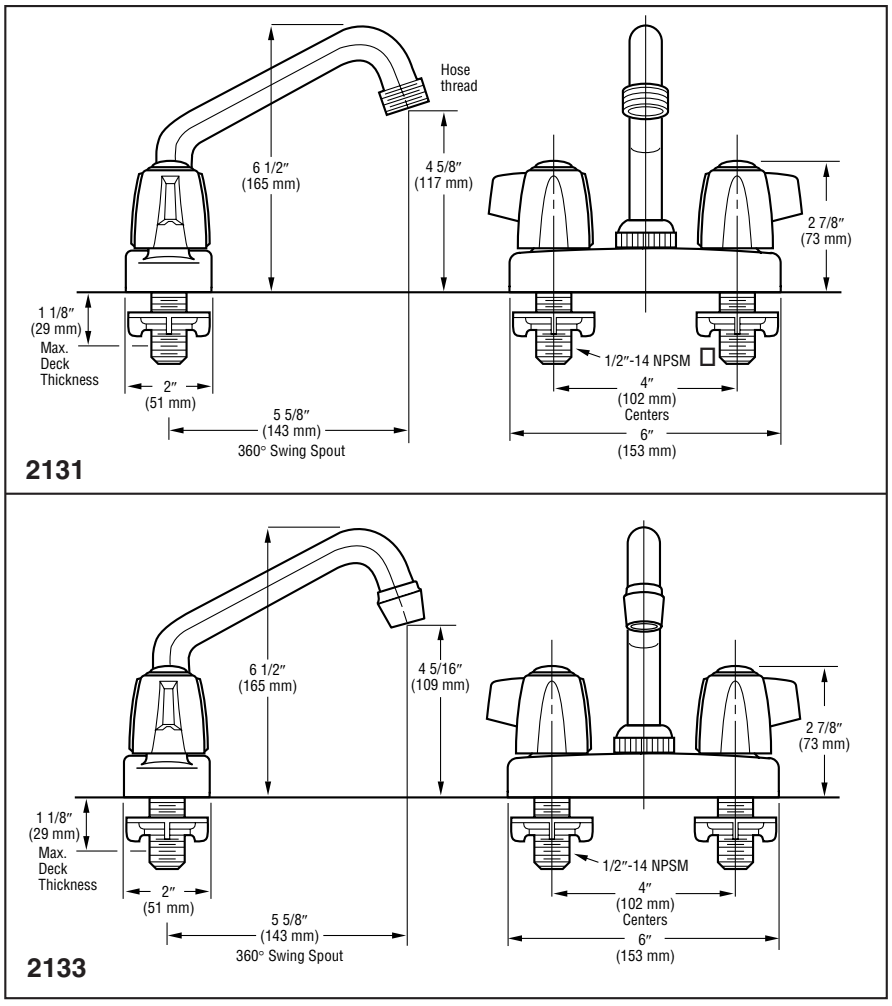
DELTA

SPECIALTY FAUCETS

- Two Handle Laundry Faucet
- Deck Mount
- 2 Hole Sink Applications
- 4" (102 mm) Centerset

Submitted Model No.: _____

Specific Features: _____

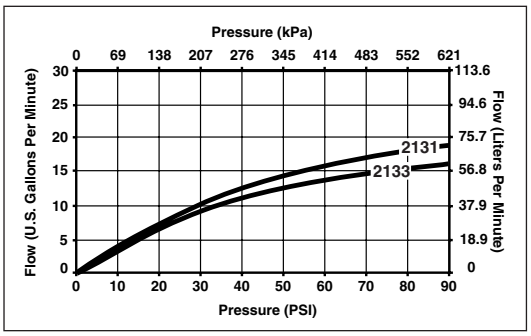


COMPLIES WITH:

- ASME A112.18.1-2000
- CSA B125-98
- Indicates ADA compliance to ICC/ANSI A117.1-1998
- CSA Certified

STANDARD SPECIFICATIONS:

- Two handle deck faucets for exposed mounting on 2 hole sinks.
- Solid brass fabricated body.
- 4" (102 mm) Centerset.
- 5 5/8" (143 mm) long, 6 1/2" (165 mm) high spout swings 360°.
- Hot and cold stems are interchangeable.
- Control mechanism shall be of the rotating cylinder type with stainless steel plate and 180° rotation, with replaceable non-metallic seats operating in stainless steel lined sockets.
- 1/2"-14 NPSM threaded male shanks.
- Trap seal primer plug.



Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only.

Standard Features	2131	2133
Washerless	◆	◆
½"-14 NPSM Threaded Male Inlet Shanks	◆	◆
Blade Handles	♿	♿
Hose Threaded Swing Spout	◆	
Stream Straightener Without Hose Thread		◆
⅛" Trap Seal Primer Plug*	◆	◆
Chrome Finish	◆	◆

*Plug can be removed to attach a line which will enable floor drain trap to be refilled every time faucet is used.

Available Options for Field Conversion:
- Vacuum breaker for use with Model 2131. Order RP25695.

DELTA FAUCET COMPANY

Indianapolis, Indiana 46280
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Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-206-EL_SVS-02

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Faucet
Item Type	Faucet for Service Sink
Description	Polished chrome finish, brass waterways. 4" center distance. 6" high-rise tubular swing spout with aerator, level handles, replaceable seats and stems.
Manufacturer	E.L. Mustee & Sons
Model	93.600
Dimensions	Refer to attachment
Color	CP
Finish	Polished Chrome
Material Composition	Metal construction with chrome plated finish
Global Specification	Y
CSI #	224200 Plumbing Fixtures
Omniclass #	22-224200 Plumbing Fixtures
Part of an Assembly	N
Warranty	One Year Limited Warranty
Notes	Acceptable Manufacturers: Delta Faucet Company; Emily Mueller; (210) 870-9932; www.deltafaucet.com E.L. Mustee & Sons, Inc; Marcus and Weimer, Inc.; (440) 247-3570; www.mustee.com Kohler; Anupa Maru; (703) 371-4269; www.us.kohler.com Moen; Jason Reynolds; (407) 340-3249; www.moen.com Fiat; Customer Service; (800) 387-0369; www.fiat.ca

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: E.L. Mustee & Sons, Inc
Contact Name: Marcus and Weimer, Inc.
Phone: (440) 247-3570
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Fiat
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Email: info@fiat.ca

ALTERNATE MANUFACTURER 3

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

AREAS

Back-of-House Laundry

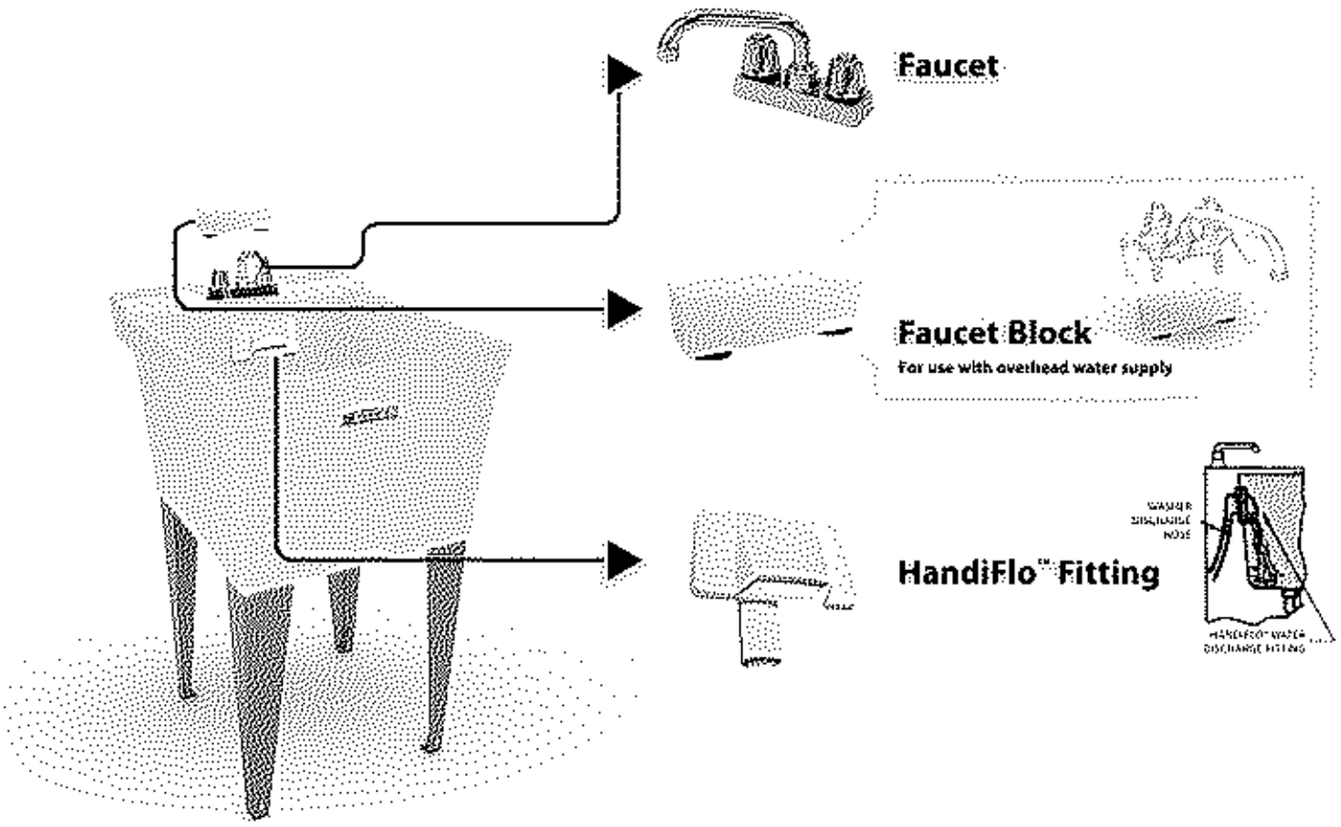
Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

ALTERNATE MANUFACTURER 4 Vendor Name: Moen Contact Name: Jason Reynolds Phone: (407) 340-3249 Email: Jason.Reynolds@fbgpg.com	

MUSTEE
Preferred by the "Pros"

27F and 27W UTILATWIN® Laundry/Utility Tub Accessories



Faucet

Model No.	UPC
93.600	6 71031 00232 7

Chrome finish, 4" center set brass faucet. 7" swing spout with aerator, level handles, replaceable seats and stems. Areator or hose end.

Faucet Block

Model No.	UPC
20.600	6 71031 00031 6

Used when water supply lines are above the tub. Mounts to tub shelf when using a clamp-on faucet.

HandiFlo™ Fitting

Model No.	UPC
94.700	6 71031 00287 7

Dispenses water from washing machine discharge hose into laundry tub. Eliminates draping washer machine hose over back/side wall of laundry tub and conceals discharge hose. Mounts to back or side wall of laundry tub, includes mounting hardware.

MUSTEE
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E-mail: info@mustee.com. • Web: www.mustee.com • Proudly made in the USA

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Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
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PL-206-FI_SVS-02

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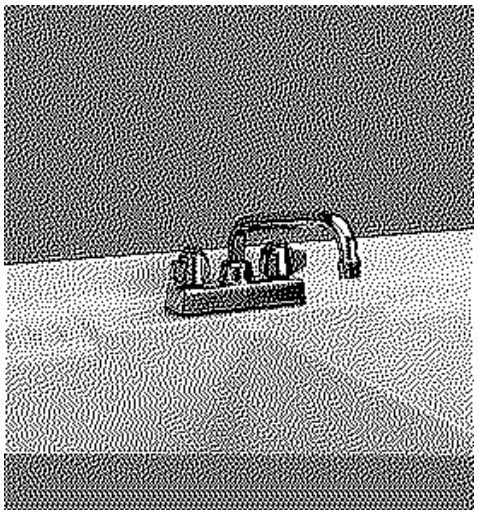


Item Name	Faucet
Item Type	Utility Sink Faucet
Description	Two-Handle Deck Faucet 6-1/4" Swing Spout / 4" Centers
Manufacturer	Fiat
Model	A-1
Dimensions	Refer to attachment
Color	CP
Finish	Polished Chrome
Material Composition	Brass
Global Specification	Y
CSI #	224200 Plumbing Fixtures
Omniclass #	22-224200 Plumbing Fixtures
Part of an Assembly	N
Notes	Acceptable Manufacturers: Delta Faucet Company; Emily Mueller; (210) 870-9932; www.deltafaucet.com E.L. Mustee & Sons, Inc; Marcus and Weimer, Inc.; (440) 247-3570; www.mustee.com Kohler; Anupa Maru; (703) 371-4269; www.us.kohler.com Moen; Jason Reynolds; (407) 340-3249; www.moen.com Fiat; Customer Service; (800) 387-0369; www.fiat.ca

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Fiat
Contact Name: Customer Service
Phone: (800) 387-0369
Email: info@fiat.ca

ALTERNATE MANUFACTURER 2

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 3

Vendor Name: E.L. Mustee & Sons, Inc
Contact Name: Marcus and Weimer, Inc.
Phone: (440) 247-3570
Email:

ALTERNATE MANUFACTURER 4

Vendor Name: Delta Faucet Company

AREAS

Back-of-House Laundry

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-206-FI_SVS-02

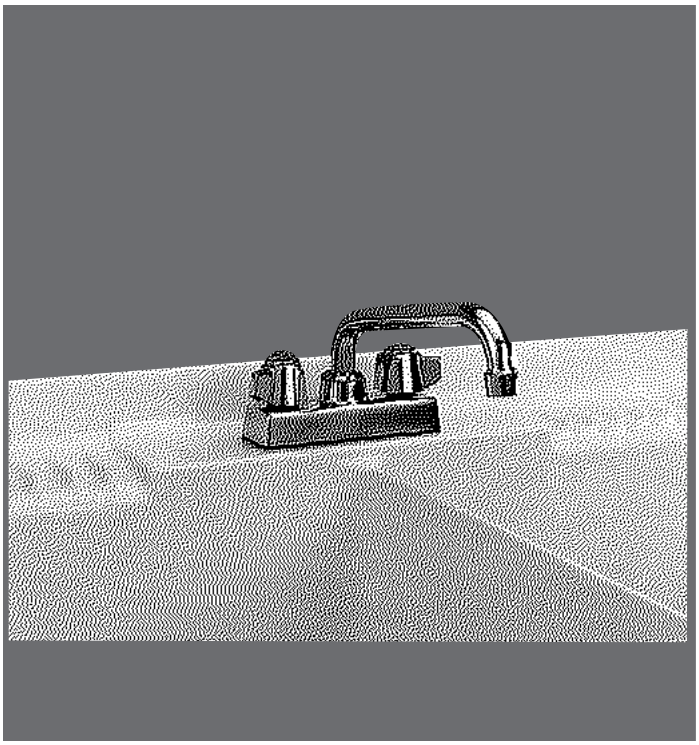
Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Contact Name: Emily Mueller
Phone: (210) 870-9932
Email: emily.mueller@deltafaucet.com

DECK FAUCET

A-1



FEATURES

- ***A-1 Deck Faucet***

  Chrome-plated, quality built brass faucet with 4" center set and 6 ¾" swing spout. Faucet is used with the Molded-Stone Laundry Tubs and Tuf-Tub Laundry Tubs

NOTES

OPTIONS

FIAT PRODUCTS®
A CRANE PLUMBING COMP ANY

* Not furnished by Fiat Products. Description for specification purposes only.

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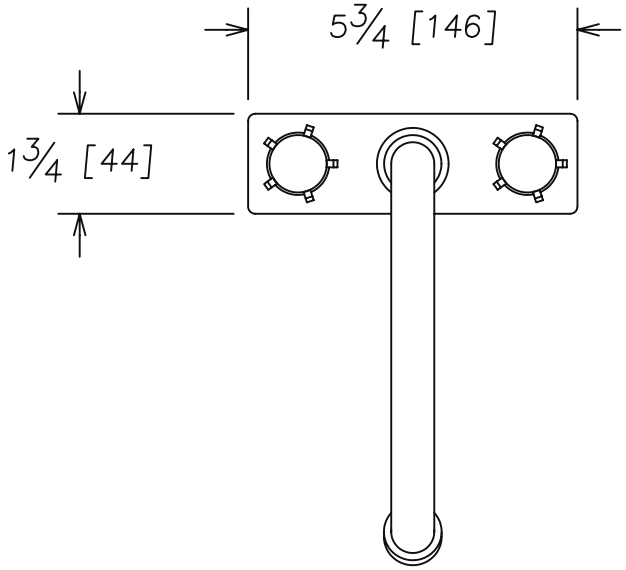
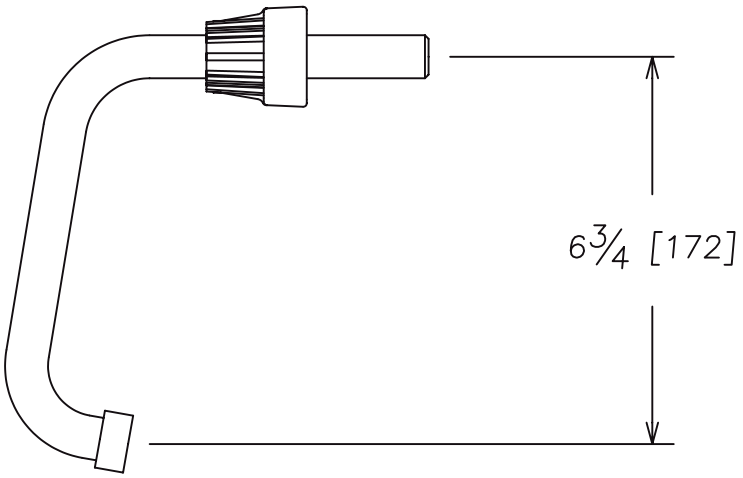
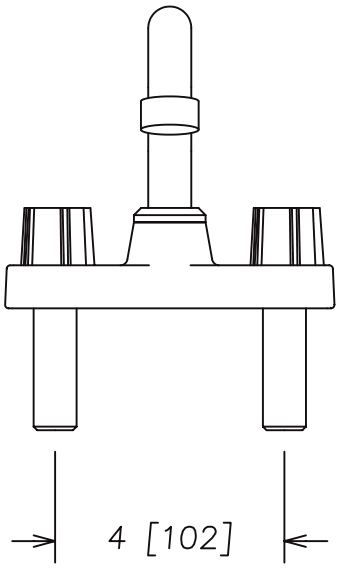
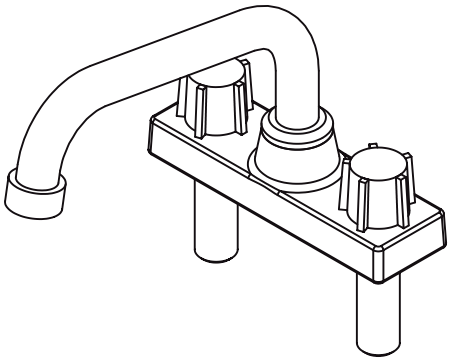
DECK FAUCET

A-1









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Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-206-KO_SVS-02

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Faucet
Item Type	Faucet for Service Sink
Description	Faucet - "Coralais" Laundry Tub, 2.20 GPM, 6" High Rise Swing Spout / 4" Centers
Manufacturer	Kohler
Model	K-15271-4-CP - Laundry sink faucet with Lever
Dimensions	Refer to attachment
Color	CP
Finish	Polished Chrome
Material Composition	Metal construction
Global Specification	Y
CSI #	224200 Plumbing Fixtures
Omniclass #	22-224200 Plumbing Fixtures
Quality Standards	Meets ASME A112.18.1; CSA B 125.1; NSF 61
Accessibility Compliance	Meets ADA and ANSI A117.1
Part of an Assembly	N
Eco-Feature(s) *as per manufacturer	Meets Energy Policy Act of 1992 (EPACT)
Flow Rate	2.20 GPM
Warranty	One-Year Limited Warrant
Notes	Acceptable Manufacturers: Delta Faucet Company; Emily Mueller; (210) 870-9932; www.deltafaucet.com E.L. Mustee & Sons, Inc; Marcus and Weimer, Inc.; (440) 247-3570; www.mustee.com Kohler; Anupa Maru; (703) 371-4269; www.us.kohler.com Moen; Jason Reynolds; (407) 340-3249; www.moen.com Fiat; Customer Service; (800) 387-0369; www.fiat.ca Lixil - Grohe, American Standard, DXV; Stephanie Weston; (302) 518-1704; www.americanstandard-us.com

SPECIAL INSTRUCTIONS

MANUFACTURER

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Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 2

Vendor Name: E.L. Mustee & Sons, Inc

AREAS

Back-of-House Laundry

Contact Name: Marcus and Weimer, Inc.
Phone: (440) 247-3570
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Fiat
Contact Name: Customer Service
Phone: (800) 387-0369
Email: info@fiat.ca

ALTERNATE MANUFACTURER 4

Vendor Name: Delta Faucet Company
Contact Name: Emily Mueller
Phone: (210) 870-9932
Email: emily.mueller@deltafaucet.com

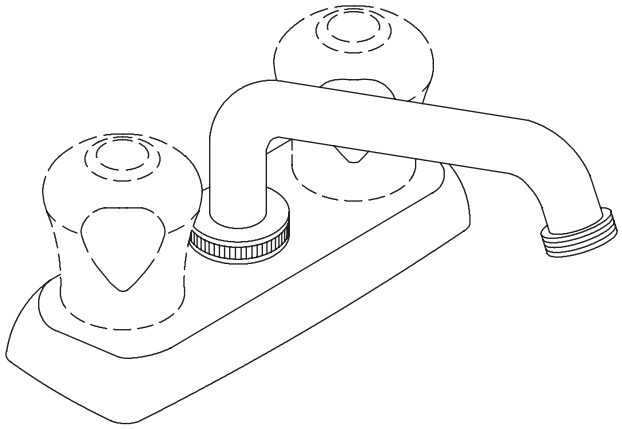
KOHLER® FAUCETS

CORALAIS®

LAUNDRY SINK FAUCET
K-15271

Features

- *Metal construction*
- *Reversible quarter-turn washerless ceramic disc valves*
- *For 4″ (10.2 cm) centers*
- *6″ (15.2 cm) threaded swing spout reach*
- *Available with sculptured acrylic, blade or lever handles*
- *Lower flow aerator options available (refer to the Kohler Price Book)*
- *2.2 gallons (8.3 L) per minute maximum flow rate*



Codes/Standards Applicable

Specified model meets or exceeds the following at date of manufacture:

- *ASME A112.18.1/CSA B125.1*
- *NSF 61*
- *All applicable US Federal and State material regulations*

Colors/Finishes

- CP: Polished Chrome

Specified Model

Model	Description	Sculptured Acrylic	Blade ADA	Lever ADA
K-15271	Laundry sink faucet (shown)	❑ CP		
K-15271-B	Laundry sink faucet		❑ CP	
K-15271-4	Laundry sink faucet			❑ CP

Product Specification

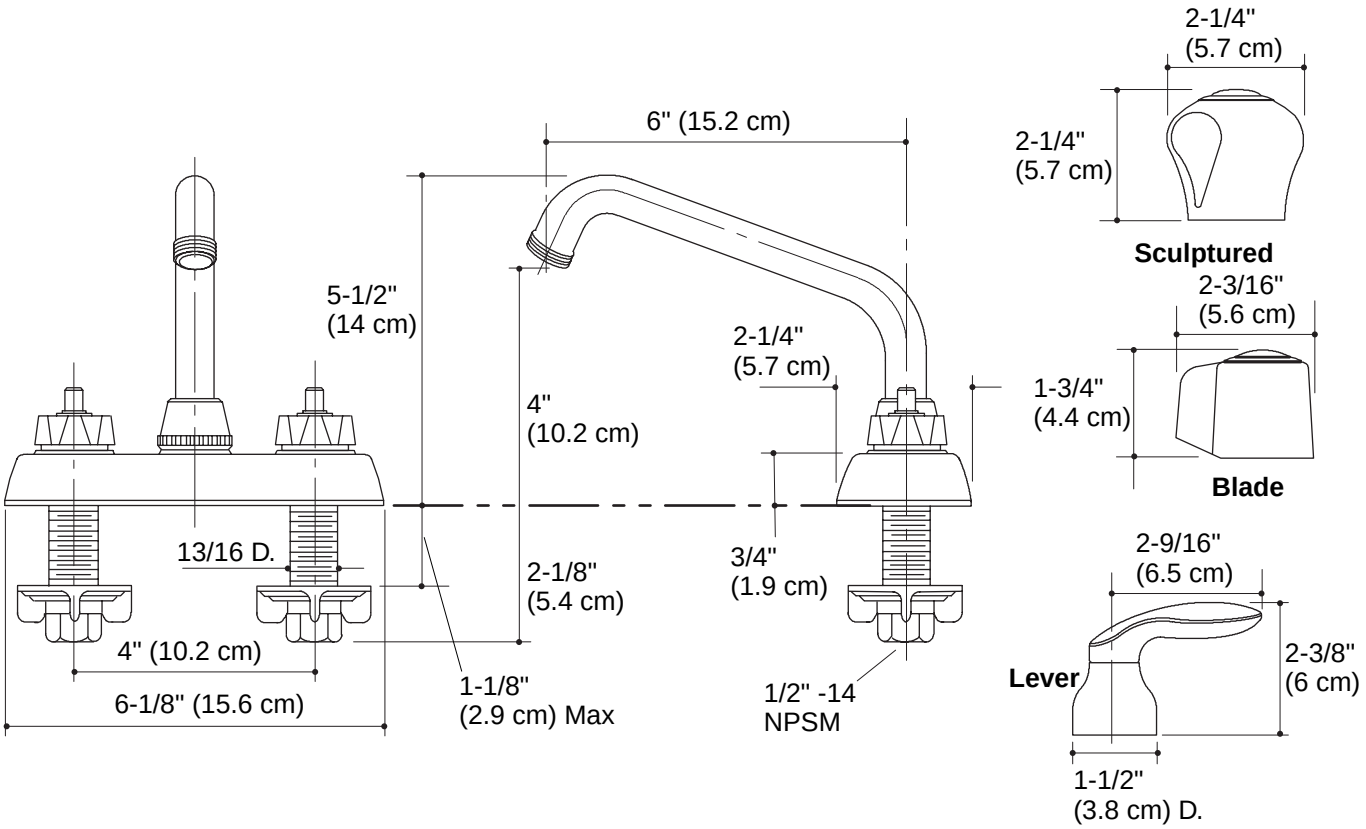
The two-handle centerset laundry sink faucet shall be of metal construction. Product shall have a maximum flow rate of 2.2 gallons (8.3 L) per minute with lower flow aerator options available (refer to the Kohler Price Book). Product shall feature reversible quarter-turn washerless ceramic disc valves and a 6″ (15.2 cm) threaded swing spout reach. Product shall be for 4″ (10.2 cm) centers. Product shall be available with sculptured acrylic, blade, or lever handles. Faucet shall be Kohler Model K-15271-____-CP.

USA/Canada: 1-800-4KOHLER
(1-800-456-4537)
www.kohler.com

CORALAIS®

Installation Notes

Install this product according to the installation guide.



Product Diagram

THE BOLD LOOK OF KOHLER®

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-206-MO_SVS-02

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Faucet
Item Type	Service Sink Faucet
Description	Two-Handle Laundry Faucet, 6-5/8" High Rise Swing Spout / 4" Centers
Manufacturer	Moen
Model	74998 - Two Handle Laundry Faucet
Dimensions	Refer to attachment
Color	CP
Finish	Polished Chrome
Material Composition	Metal constructionwith chrome plated finish
Global Specification	Y
CSI #	224200 Plumbing Fixtures
Omniclass #	22-224200 Plumbing Fixtures
Quality Standards	Crtified to CSA B-125.1, ASME, A112.18.1M
Accessibility Compliance	Meets ADA for lever handles
Part of an Assembly	N
Eco-Feature(s) *as per manufacturer	Complies with Federal Safe Water Drinking Act
Flow Rate	2.0 GPM
Warranty	Lifetime Limited Warranty
Notes	Acceptable Manufacturers: Delta Faucet Company; Emily Mueller; (210) 870-9932; www.deltafaucet.com E.L. Mustee & Sons, Inc; Marcus and Weimer, Inc.; (440) 247-3570; www.mustee.com Kohler; Anupa Maru; (703) 371-4269; www.us.kohler.com Moen; Jason Reynolds; (407) 340-3249; www.moen.com Fiat; Customer Service; (800) 387-0369; www.fiat.ca Lixil - Grohe, American Standard, DXV; Stephanie Weston; (302) 518-1704; www.americanstandard-us.com

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 2

Vendor Name: Kohler

AREAS

Back-of-House Laundry

Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 3

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 4

Vendor Name: Delta Faucet Company
Contact Name: Emily Mueller
Phone: (210) 870-9932
Email: emily.mueller@deltafaucet.com

MOEN

Buy it for looks. Buy it for life.®

Specifications

There is more than 1 version of this model.
Page down to identify the version you have.

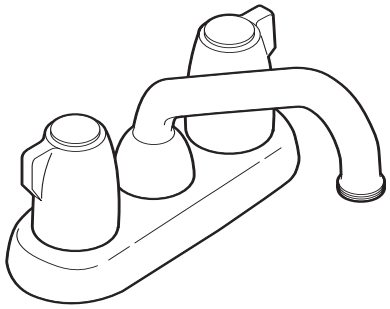
FAUCET DESCRIPTION
- Metal constructionwith chrome plated finish
- Inlet shanks will accept 3/8" ball nose connections

OPERATION
- Mini blade style handles with hot and cold color indicators

CARTRIDGE
- 1224 cartridge design

STANDARDS
- Designed and manufactured to meet ASME A112.18.1/CSA B-125.1 and all applicable requirements referenced therein
- Contains no more than 0.25% weighted average lead content
- **ADA** for lever handles

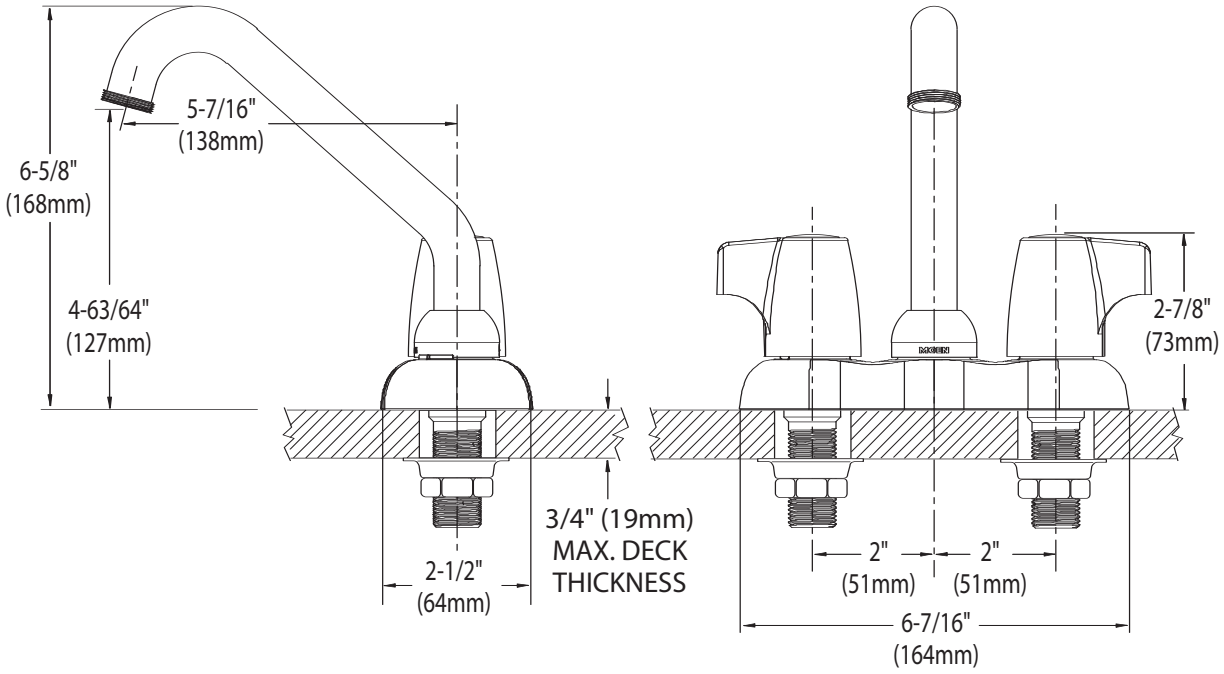
WARRANTY
- Lifetime limited warranty against leaks, drips and finish defects



MOEN®
Two Handle Laundry Faucet

Model: 74998

NOTE: Designed to be installed through 2 - 1" min. dia. holes 4" on center



CRITICAL DIMENSIONS

(DO NOT SCALE)

MOEN

Buy it for looks. Buy it for life.®

Specifications

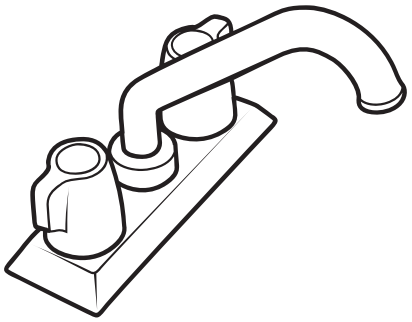
FAUCET DESCRIPTION
- Chrome plated metal construction

OPERATION
- Small lever style

CARTRIDGE
- 1224 cartridge design

STANDARDS
- Designed and manufactured to meet ASME A112.18.1/CSA B-125.1 and all applicable requirements referenced therein
- **ADA** for lever handles

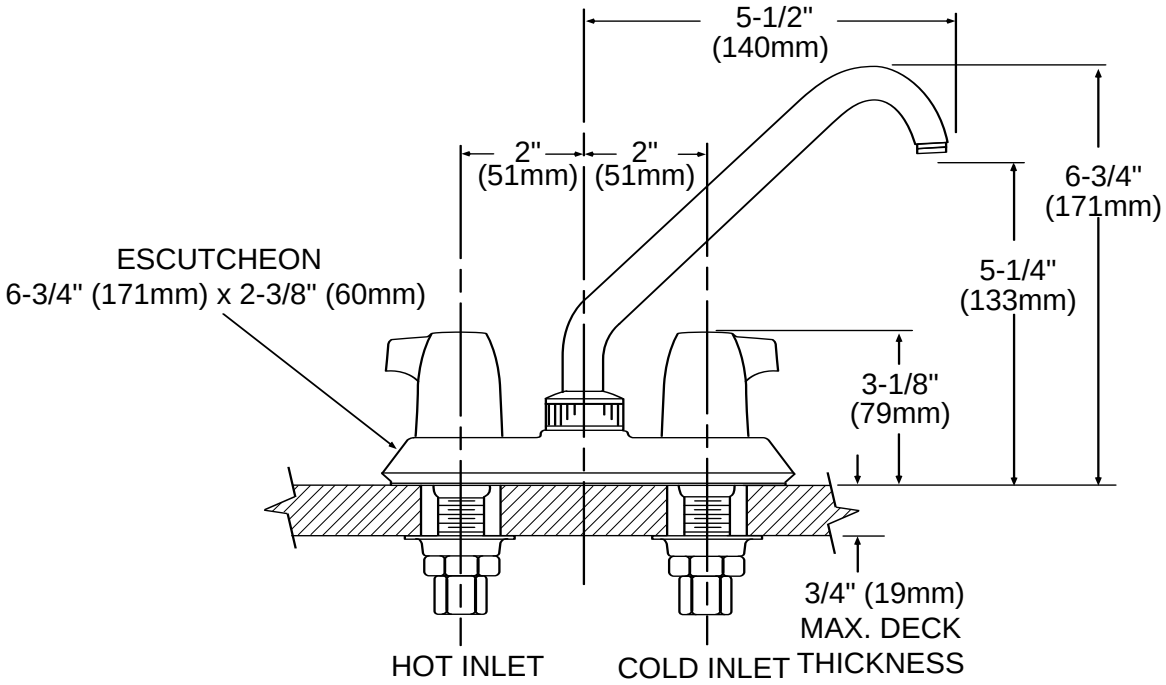
WARRANTY
- Lifetime limited warranty against leaks, drips and finish defects



MOEN®
Two Handle Laundry Faucet

Model: 74998

NOTE: DESIGNED TO INSTALL THRU 2 HOLES 1" (25mm) MIN. DIA. AND 4" (102mm) ON CENTER



CRITICAL DIMENSIONS

(DO NOT SCALE)

SVS-03 Back-of-House Laundry Sink

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-110-KO_SVS-03

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Service Sink
Item Type	UTILITY SINK
Description	"Hollister" Single Compartment Sink with Wall Brackets 28" x 22" (Basin 26" x 16" x 11-1/8") Wall Mounted
Manufacturer	Kohler
Model	K-12793
Dimensions	Refer to attachment
Color	White
Material Composition	Vitreous china
Global Specification	Y
CSI #	224200 - Plumbing Fixtures
Omniclass #	22-224200 - Plumbing Fixtures
Quality Standards	Meets ASME A112.19.2 for Vitreous China Fixtures; IAPMO/UPC; CSA International
Part of an Assembly	N
Warranty	1 Year Limited Warranty
Notes	Optional for use when space is limited. Use K-1814-P Wall Brackets

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 2

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Back-of-House Laundry

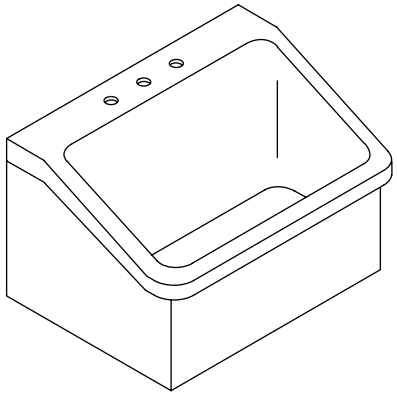
KOHLER®

HOLLISTER™

UTILITY SINK
K-12793
ALSO K-12794

Features

- *Single compartment*
- *Vitreous china*
- *Single-center hole (K-12793) or three-hole faucet (K-12794) drilled back ledge*
- *28″ (71.1 cm) x 22″ (55.9 cm)*



Codes/Standards Applicable

Specified model meets or exceeds the following:

- *ASME A112.19.2*
- *IAPMO/UPC*
- *CSA International*
- *CSA B45.0*
- *CSA B45.1*
- *State of Massachusetts*

Colors/Finishes

- 0: White

Accessories

- CP: Polished Chrome
- NA: None applicable

Specified Model

Model	Description	Colors/Finishes
K-12793	Single-center hole sink	❑ 0
K-12794	Three-hole faucet drilling sink	❑ 0

Recommended Accessories		
K-1814-P	Wall brackets	❑ NA

Optional Accessories		
K-9000	P-trap	❑ CP
K-9115	Sink strainer with 1-1/2″ (3.8 cm) tailpiece	❑ CP

Product Specification

The utility sink shall be 28″ (71.1 cm) in length, and 22″ (55.9 cm) in width. The sink shall be made of vitreous china. The sink shall be single compartment. The sink shall be single-center hole (K-12793) or three-hole faucet drilling (K-12794). The sink shall be Kohler Model K-_____-_____.

USA: 1-800-4-KOHLER
Canada: 1-800-964-5590
kohler.com

HOLLISTER™

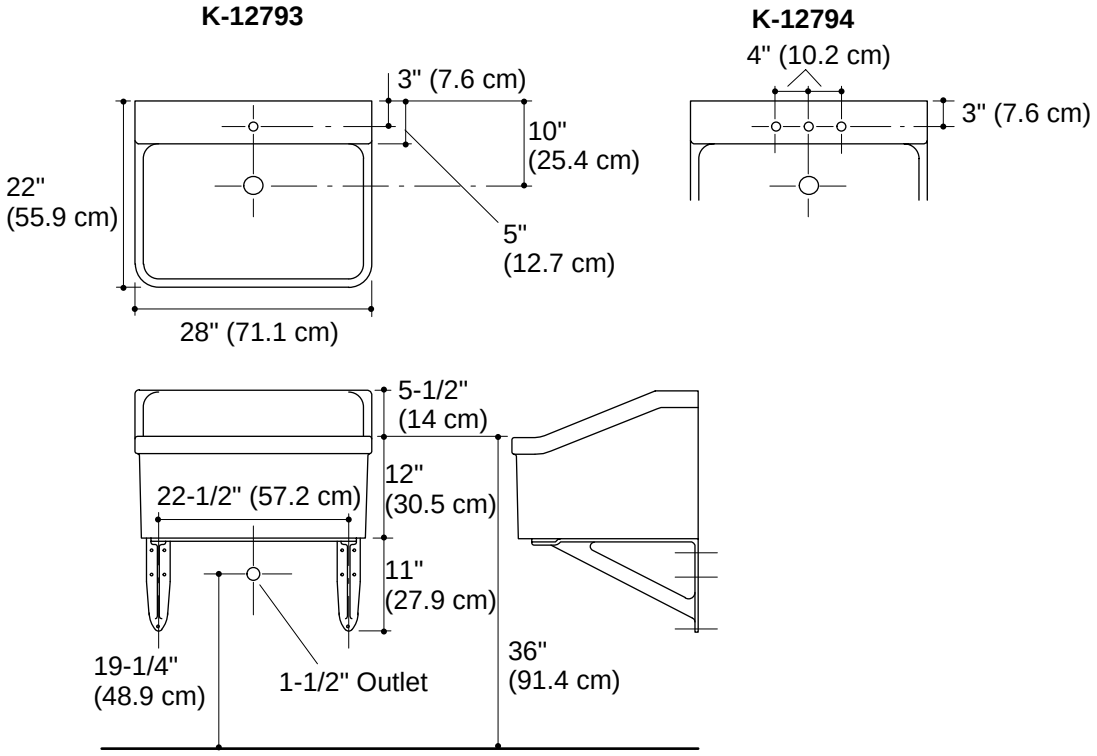
Technical Information

Fixture*:	
Sink	
Basin area	26″ (66 cm) x 16″ (40.6 cm)
Water depth	11-1/8″ (28.3 cm)
Outlet	2-1/4″ (5.7 cm) D.
* Approximate measurements for comparison only.	

Holes	K-12793	K-12794
Spout	1-1/8″ (2.9 cm)	1-1/8″ (2.9 cm)
Faucet		1-3/8″ (3.5 cm)

Installation Notes

Install this product according to the installation guide.



Product Diagram

THE BOLD LOOK OF KOHLER®

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-110-LI_SVS-03

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Service Sink
Item Type	Scrub Sink
Description	Scrub Sink with Wall Brackets 28" x 22" / Wall Mounted
Manufacturer	American Standard (Lixil Parent Company)
Model	9047.044.020
Dimensions	Refer to attachment
Color	White
Material Composition	Vitreous china
Global Specification	Y
CSI #	224200 - Commercial Plumbing Fixtures*
Omniclass #	22-224200
Quality Standards	Meets ASME A112.19.2 for Vitreous China Fixtures
Part of an Assembly	N
Notes	Optional for use when space is limited. Use 487542.600 brackets.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 2

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Back-of-House Laundry

American Standard Inc

Model: Scrub Sink
Model Number: 9047.044.020

Color/Finish: White

American Standard
Style That Works Better

SURGEON'S SCRUB SINK
VITREOUS CHINA

SURGEON'S SCRUB SINK

- Vitreous china
- Low front rim
- Wall hanger
- For wall hanger (included) or for exposed bracket support [381mm (15") painted brackets available]

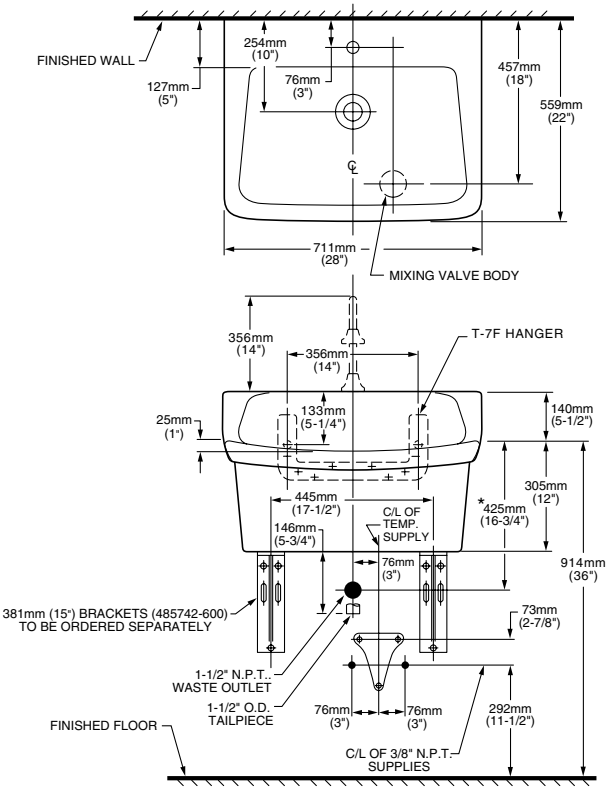
❑ **9047.044** Faucet holes on 203mm (8") centers
❑ **9047.093** Single center faucet hole (Illustrated)

Nominal Dimensions:
711 x 559mm
(28" x 22")

Compliance Certifications -
Meets or Exceeds the Following Specifications:
• ASME A112.19.2 for Vitreous China Fixtures

To Be Specified:
❑ Gooseneck Spout: 7522.055
❑ Knee Action Mixing Valve: 7676.029
❑ Grid Drain:
❑ Trap:
❑ Nipple:
❑ Painted Bracket Support: 485742-600 (2 req'd)
❑ Flex Tempered Supply (by others):

Available in White Only



NOTES:
* DIMENSION SHOWN FOR LOCATION OF "P" TRAP IS SUGGESTED.
15" PAINTED SUPPORT BRACKETS 485742-600 AVAILABLE AND MUST BE ORDERED SEPARATELY.
PROVIDE SUITABLE REINFORCEMENT FOR ALL WALL SUPPORTS.
FITTINGS NOT INCLUDED AND MUST BE ORDERED SEPARATELY.

IMPORTANT: Dimensions of fixtures are nominal and may vary within the range of tolerances established by ANSI Standard A112.19.2. These measurements are subject to change or cancellation. No responsibility is assumed for use of superseded or voided pages.

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Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-111-KO_SVS-03

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Double Foot Control
Item Type	Double Foot Control
Description	Knee Control Fitting Wall-mount double foot control shall be of brass construction
Manufacturer	Kohler
Model	K-13816 - Double Foot Control
Dimensions	Refer to attachment
Color	CP
Finish	Polished Chrome
Material Composition	Brass Construction
Global Specification	Y
CSI #	224200 - Plumbing Fixtures
Omniclass #	22 - 224200 - Plumbing Fixtures
Quality Standards	ASME A112.18.1/CSA B125.1
Part of an Assembly	N

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 2

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

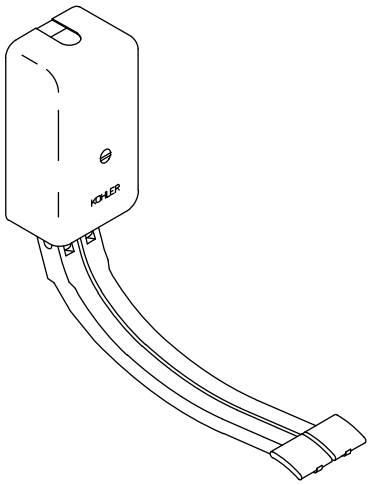
Back-of-House Laundry

KOHLER FAUCETS

DOUBLE FOOT CONTROL
K-13816

Features

- *Brass construction*
- *Wall-mount*
- *3/8″ NPT inside threaded inlets*
- *Self-closing mixing valve*
- *Machined aluminum finish on pedals*
- *Intended for use with cold, hot, or tempered water*
- *14″ (356 mm) hinged foot pedals*
- *Loose key stops*



Codes/Standards Applicable

Specified model meets or exceeds the following:

- *ASME A112.18.1/CSA B125.1*

Colors/Finishes

- CP: Polished Chrome

Specified Model

Model	Description	Colors/Finishes
K-13816	Double foot control	❑ CP

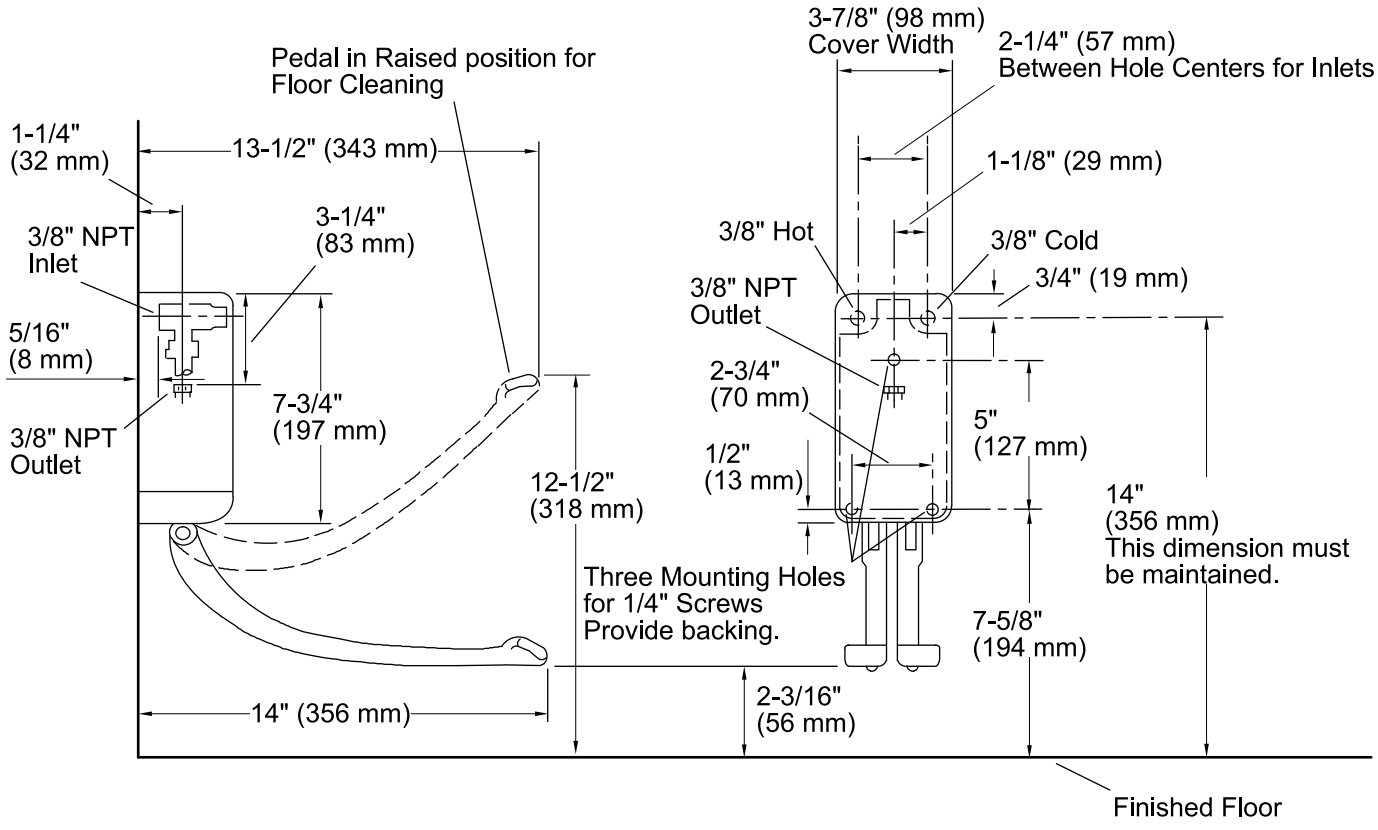
Product Specification

Wall-mount double foot control shall be of brass construction. Product shall contain a self-closing mixing valve, 14” (356 mm) hinged foot pedals, machined aluminum finish on pedals, loose key stops, and 3/8″ NPT inside threaded inlets. Double foot control is intended for cold, hot, or tempered water. Product shall be Kohler Model K-13816-CP.

USA/Canada: 1-800-4KOHLER
(1-800-456-4537)
www.kohler.com

Installation Notes

Install this product according to the installation guide.



Product Diagram

THE BOLD LOOK OF KOHLER®

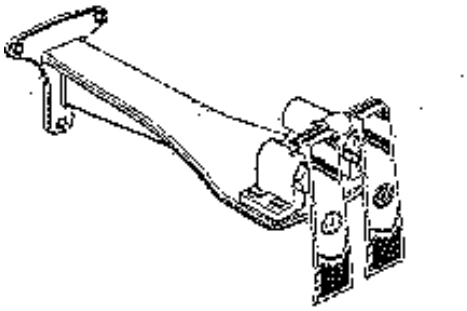
Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-111-LI_SVS-03

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Service Sink Knee Control
Item Type	Service Sink Knee Control
Description	Self-Closing Double Knee-Action Valve With wall-mounted cast aluminum bracket. Chrome-plated knee levers with Red (Hot) and Blue (Cold) indexing.
Manufacturer	American Standard (Lixil Parent Company)
Model	7676.129 Self-Closing Double Knee-Action Valve
Dimensions	Refer to attachment
Color	CP
Finish	Polished Chrome
Material Composition	Brass Construction
CSI #	224200 - Commercial Plumbing Fixtures*
Part of an Assembly	N



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 2

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 3

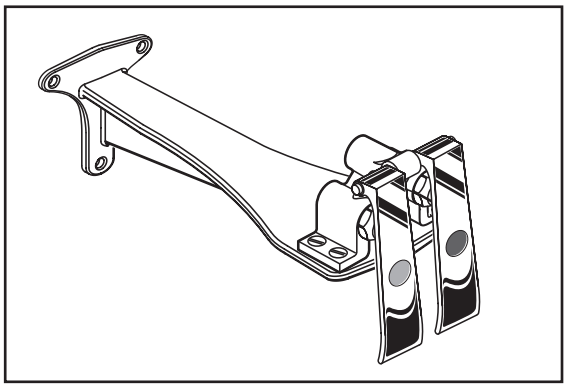
ALTERNATE MANUFACTURER 4

AREAS

Back-of-House Laundry

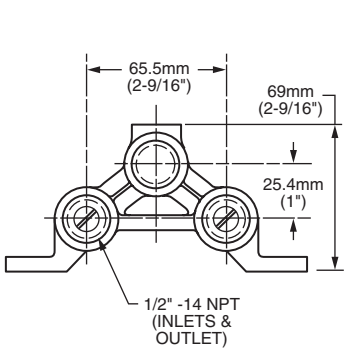
American Standard
Style That Works Better

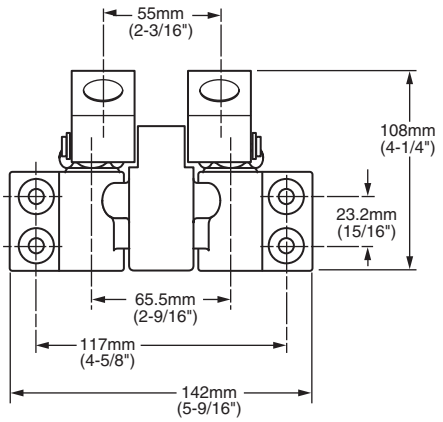
SELF-CLOSING DOUBLE KNEE-ACTION VALVE
WITH WALL-MOUNTED BRACKET

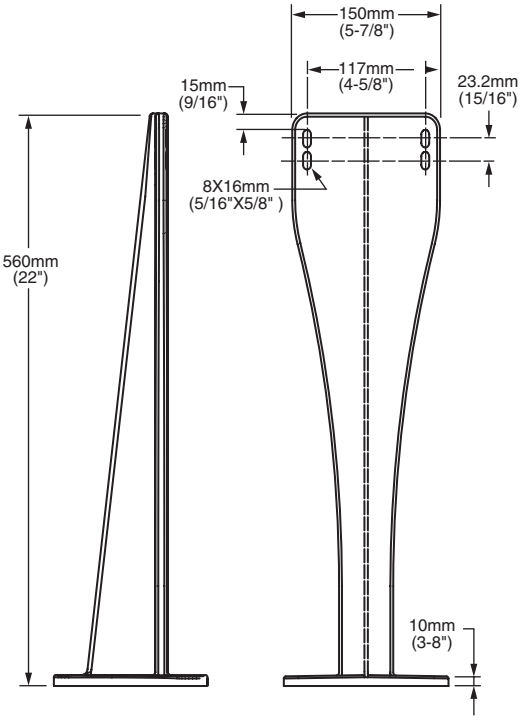


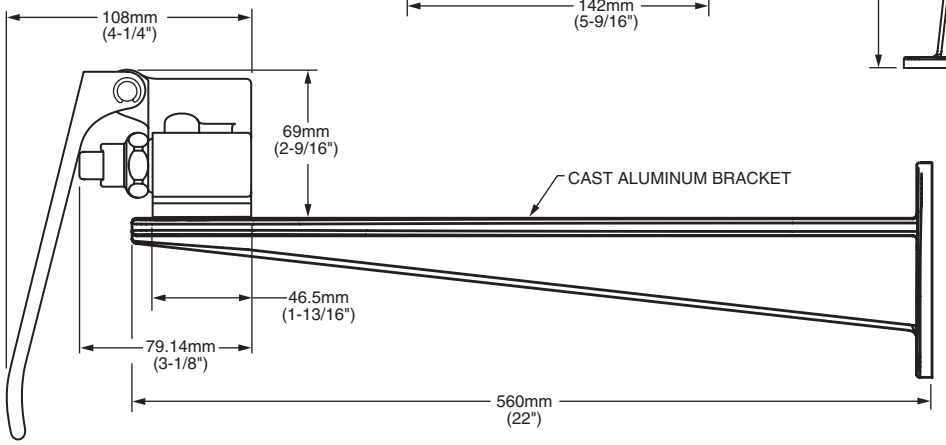
MODEL NUMBER:

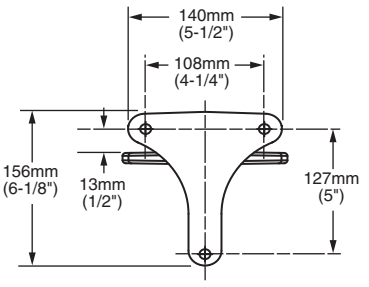
❑ **7676.129 Self-Closing Double Knee-Action Valve**
With wall-mounted cast aluminum bracket. Chrome-plated knee levers with Red (Hot) and Blue (Cold) indexing.











GENERAL DESCRIPTION:

Cast brass valve body with self-closing double knee-action valves for use with wall-mounted cast aluminum bracket. Chrome-plated knee levers with red (hot) / blue (cold) indexing. 1/2" female NPT inlets to back on 2-9/16" (65.5mm) centers. 1/2" female NPT outlet to rear.

PRODUCT FEATURES:

Brass Construction: Durable - Excellent in high use applications.

Knee-Action Mixing: Water supply controlled by self-closing chrome-plated brass knee levers marked with red (hot) and blue (cold) indexing.

Polished Chrome Finish: Excellent in commercial applications.

SUGGESTED SPECIFICATION:

Wall-mounted double knee-action valve shall feature cast brass valve body, cast aluminum bracket, brass chrome-plated hot and cold knee levers with red/blue indexing. Individual brass valves shall be self-closing. Fitting shall be American Standard Model Model #7676.129.

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Revised

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-112-KO_SVS-03

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Sink Strainer
Item Type	Sink Strainer
Description	Constructed of solid brass 1-1/2" OD (38 mm) brass tailpiece
Manufacturer	Kohler
Model	K-9115-[finish] with 1-1/2" OD tailpiece & K-9118 with 2" OD tailpiece
Dimensions	Refer to attachment
Color	CP
Finish	Polished Chrome
Material Composition	Brass construction
Global Specification	Y
CSI #	224200 - Plumbing Fixtures
Omniclass #	22-224200 - Plumbing Fixtures
Quality Standards	ASME A112.18.2/CSA B125.2
Part of an Assembly	N

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 2

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 3

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 4

AREAS

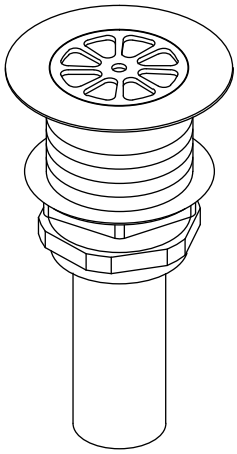
Back-of-House Laundry

KOHLER FAUCETS

SINK STRAINER
K-9115
ALSO K-9118

Features

- *Brass construction*
- *Brass tailpiece*
- *Removable perforated strainer*
- *Available with 1-1/2″ OD tailpiece [K-9115] or 2″ OD tailpiece [K-9118]*



Codes/Standards Applicable

Specified model meets or exceeds the following:

- *ASME A112.18.2/CSA B125.2*

Colors/Finishes

- CP: Polished Chrome

Specified Model

Model	Description	Colors/Finishes
K-9115	Sink strainer with 1-1/2” OD tailpiece	❑ CP
K-9118	Sink strainer with 2” OD tailpiece	❑ CP

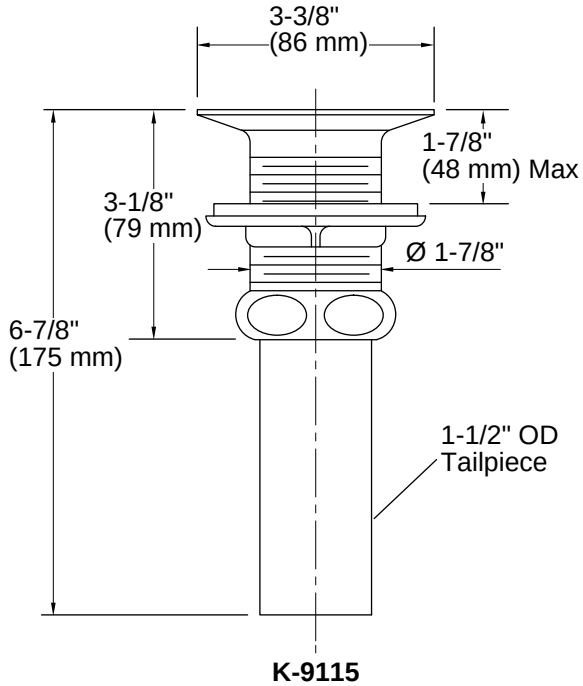
Product Specification

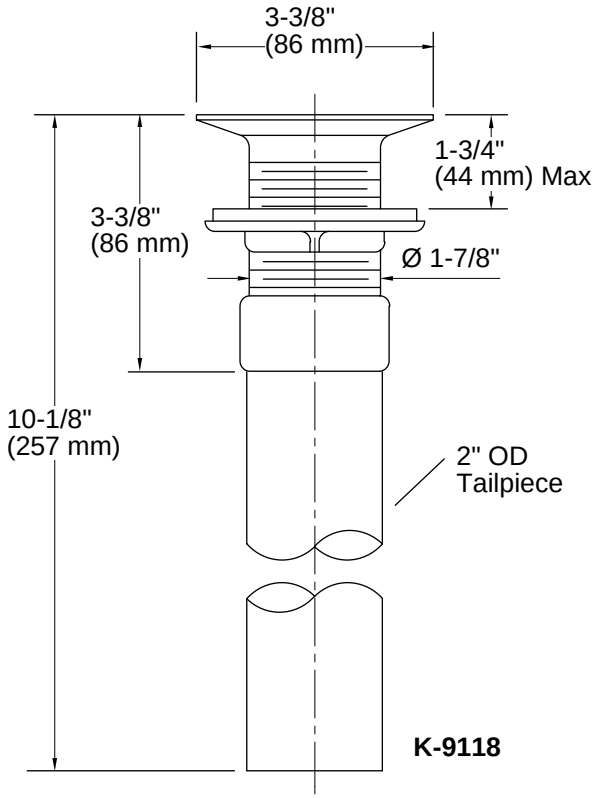
The sink strainer shall be of brass construction with a brass tailpiece. Product shall be available with a 1-1/2″ OD tailpiece [K-9115] or a 2″ OD tailpiece [K-9118]. Product shall feature a removable perforated strainer. Strainer shall be Kohler Model K-____-CP.

USA/Canada: 1-800-4KOHLER
(1-800-456-4537)
www.kohler.com

Installation Notes

Install this product according to the installation guide.





Product Diagram

THE BOLD LOOK OF KOHLER®

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-112-LI_SVS-03

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Grid Strainer
Item Type	Grid Strainer
Description	Adjustable Sink Strainer Drain for 3-1/2" Outlet Sink
Manufacturer	American Standard (Lixil Parent Company)
Model	4311.023.002
Dimensions	Refer to attachment
Color	CP
Finish	Polished Chrome
Material Composition	Brass construction
Global Specification	Y
CSI #	224200 - Commercial Plumbing Fixtures*
Omniclass #	22-224200
Quality Standards	ASME A112.18.2; CSA B 125.2
Part of an Assembly	N
Warranty	One Year Limited Warranty

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Back-of-House Laundry

American Standard

KITCHEN ACCESSORIES
OTHER KITCHEN ACCESSORIES

Model #	Description/Features	Finishes
4331.013 	**BRASS ADJUSTABLE SINK STRAINER DRAIN** • For 3-1/2" (89mm) outlet • Brass locknut and coupling nut • 1-1/2" (38mm) tailpiece • Brass construction	.002 Polished Chrome .068 Blackened Bronze (PVD) .075 Stainless Steel .099 Polished Brass (PVD) .295 Satin Nickel (PVD)

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Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-207-DE_SVS-03

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Sink Faucet
Item Type	Sink Faucet
Description	5" lavatory gooseneck spout and foot pedal mixing valve control
Manufacturer	Delta Faucet Company
Model	54T5434A
Dimensions	Refer to attachment
Color	Chrome
Finish	Polished
CSI #	224200 - Plumbing Fixtures
Omniclass #	22-224200 Plumbing Fixtures
Quality Standards	CSA Certified, ASME A112.18.1

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Delta Faucet Company
Contact Name: Emily Mueller
Phone: (210) 870-9932
Email: emily.mueller@deltafaucet.com

ALTERNATE MANUFACTURER 2

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 3

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 4

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

AREAS

Back-of-House Laundry

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-207-KO_SVS-03

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Faucet
Item Type	Service Sink Faucet
Description	Lavatory Gooseneck Spout 5" Gooseneck Spout
Manufacturer	Kohler
Model	K-13770-CP
Dimensions	Refer to attachment
Color	CP
Finish	Polished Chrome
Material Composition	Brass construction
Global Specification	Y
CSI #	224200
Omniclass #	22-224200
Quality Standards	Meets ASME A112.18.1/CSA B125.1; NSF 61; DOE - Energy Policy Act 1992
Part of an Assembly	N
Flow Rate	2.20 GPM
Warranty	KOHLER® One-Year Limited Warranty

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 2

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Back-of-House Laundry

Kohler Company

Model: Gooseneck Spout
Model Number: K-13770-*CP*

KOHLER. Faucets

Bathroom Sink Gooseneck Spout
K-13770

Features
- Brass construction.
- 5" (127 mm) gooseneck spout.
- Standard aerator.
- Lower flow aerator options available (see Kohler Price Book).
- Flange
- External NPT connection.
- 2.2 gal/min (8.3 l/min) maximum flow rate [max at 60 psi (4.14 bar)].

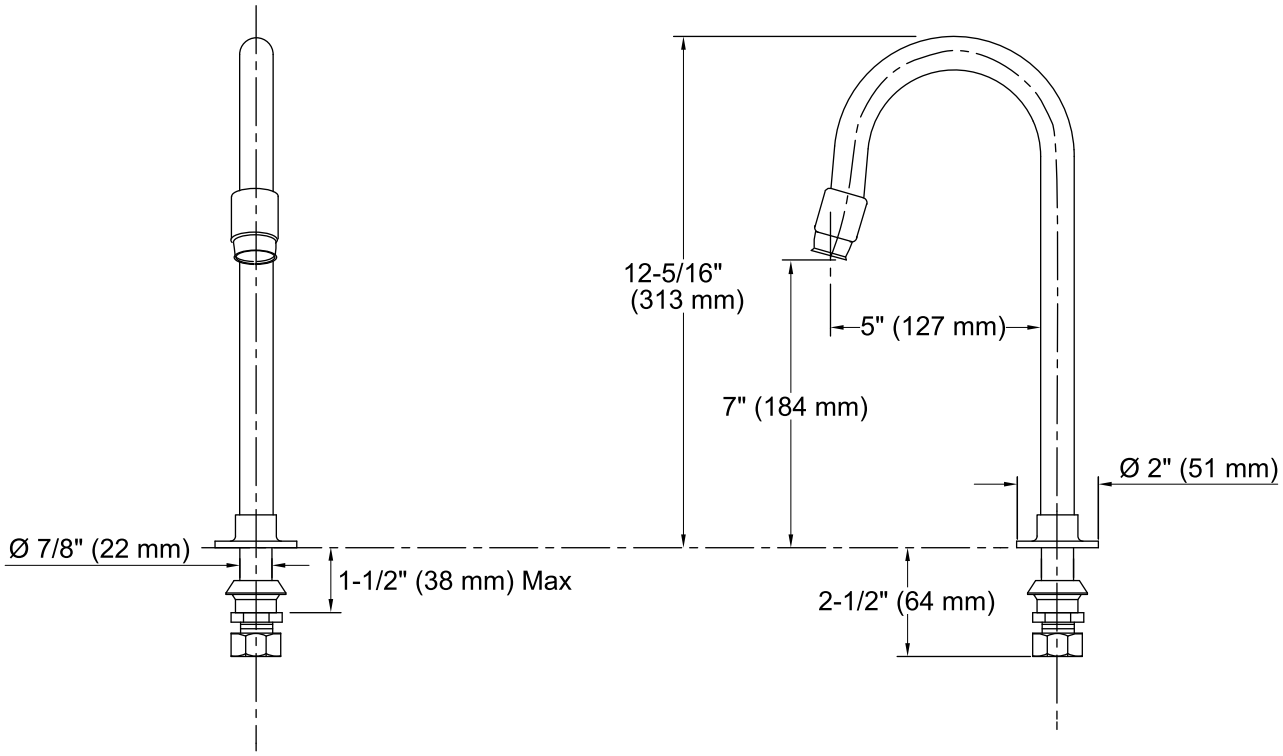
Optional Accessories
1160594 Large Spray Aerator 0.35 gpm (1.3 l/min)

Codes/Standards
ASME A112.18.1/CSA B125.1
NSF 61
DOE - Energy Policy Act 1992
All applicable US Federal and State material regulations

KOHLER® One-Year Limited Warranty
See website for detailed warranty information.

KOHLER. Faucets

Bathroom Sink Gooseneck Spout
K-13770



Technical Information
All product dimensions are nominal.

Spout reach: 5" (127 mm)

Faucet:
Flow rate: 2.2 gal/min (8.3 l/min)

Pressure: 60 psi (4.1 bar)

Notes
Install this product according to the installation guide.

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-207-LI_SVS-03

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Faucet
Item Type	Faucet for Service Sink
Description	Lavatory Gooseneck Spout 11-7/8" Gooseneck Spout
Manufacturer	American Standard (Lixil Parent Company)
Model	7522.155.002
Dimensions	Refer to attachment
Color	CP
Finish	Polished Chrome
Material Composition	Brass Construction
Global Specification	N
CSI #	224200
Omniclass #	22-224200
Part of an Assembly	N
Flow Rate	2.20 GPM
Warranty	FAUCET LIMITED LIFETIME FUNCTION AND FINISH WARRANTY

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 2

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 3

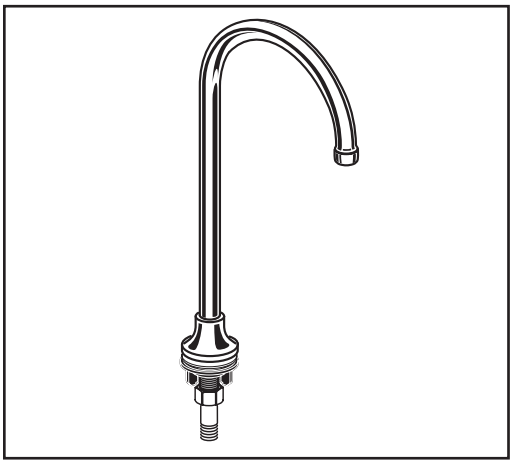
ALTERNATE MANUFACTURER 4

AREAS

Back-of-House Laundry

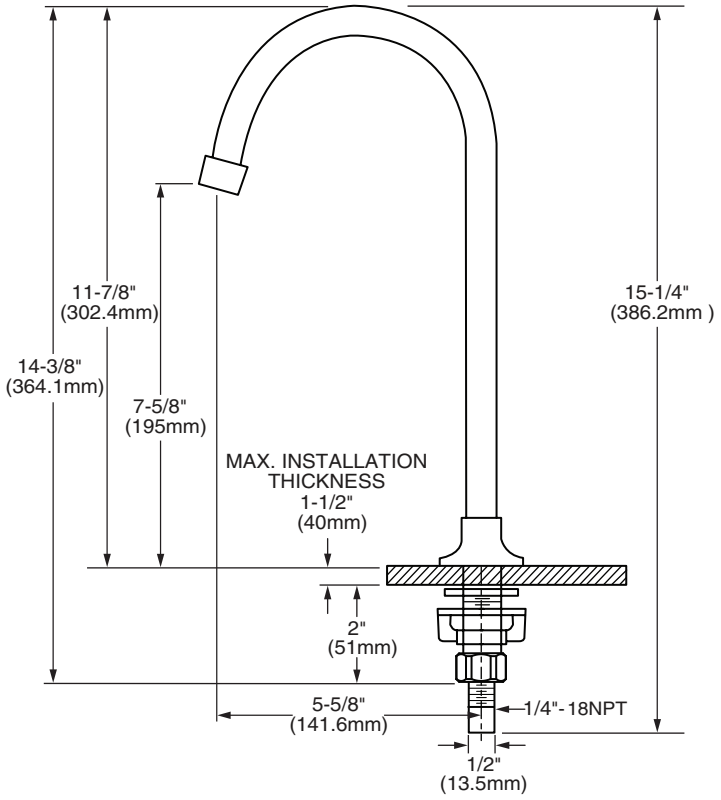
American Standard
Style That Works Better

GOOSENECK SPOUT



MODEL NUMBER:

❑ **7522.155 Gooseneck Spout**
Tubular brass gooseneck spout with 2.2 gpm aerator



GENERAL DESCRIPTION:

Tubular brass gooseneck spout. Reach: 5-5/8", Overall Height: 11-7/8", Height to Aerator: 7-5/8". Deck mounted. Chrome finish. 2.2 gpm/8.3 L/min maximum flow rate.

PRODUCT FEATURES:

Brass Construction: Durable - excellent in high use applications.

Polished Chrome Finish: Excellent in commercial applications.

SUGGESTED SPECIFICATION

Tubular brass gooseneck spout. Reach: 5-5/8", Height to Aerator: 7-5/8". Shall feature Polished Chrome finish. Shall feature 2.2 gpm/ 8.3 L/min aerator. Fitting shall be American Standard Model# 7522.105.

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Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-207-MO_SVS-03

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

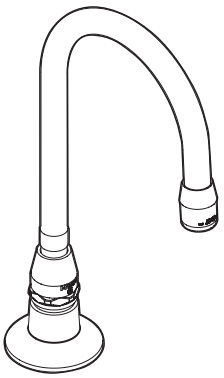
Item Name	Sink Facuet
Item Type	Sink Faucet
Description	5" lavatory gooseneck spout.
Manufacturer	Moen
Model	S00R30
Dimensions	Refer to attachment
Color	Chrome
Finish	Polished
CSI #	224200 - Plumbing Fixtures
Omniclass #	22-224200 Plumbing Fixtures
Warranty	5 years against material or manufacturing defects.

SPECIAL INSTRUCTIONS

MANUFACTURER	AREAS
ALTERNATE MANUFACTURER 2	Back-of-House Laundry
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

MOEN®
COMMERCIAL

Specifications



DESCRIPTION
- Brass construction with chrome plated finish
- 140° restricted swing with 100° adapter

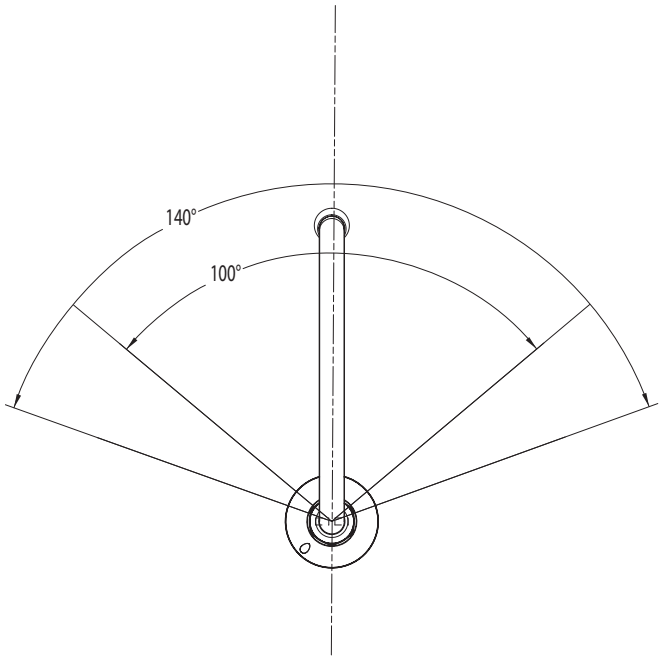
FLOW
- Aerator is limited to 2.2 gpm MAX. (8.34 L/min)

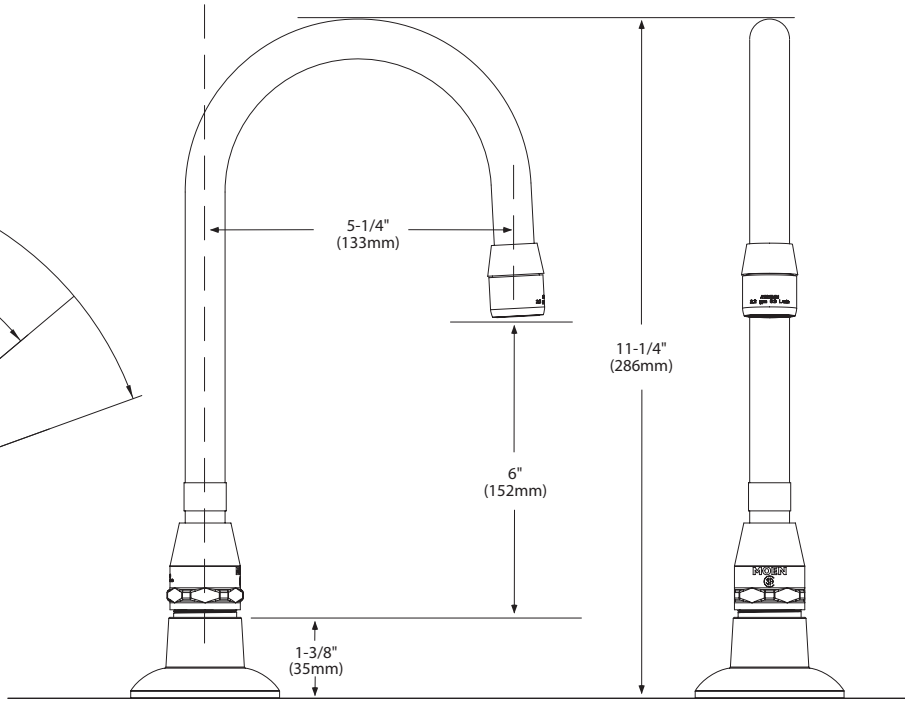
STANDARDS
- Complies with California Proposition 65 and with the Federal Safe Water Drinking Act

WARRANTY
- Warranted for 5 years against material or manufacturing defects

Restricted Swing Spout Kit

Model: S00R30





CRITICAL DIMENSIONS

(DO NOT SCALE)

WCL-05 Public Restroom Water Closet

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-306-GB_WCL-05

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Water Closet
Item Type	Water Closet
Description	North Point elongated top spud bowl, 1.6 GPF, floor mounted
Manufacturer	Gerber Plumbing Fixtures
Model	G0025833
Dimensions	Refer to attachment
Color	White
Material Composition	Vitreous china
Quality Standards	ANSI A112.19.2M
Warranty	Limited lifetime on vitreous china

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Globe Union North American Group
Contact Name: Art Rehner
Phone: 410-920-6230
Email: art.rehner@globeunion.com

ALTERNATE MANUFACTURER 2

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 3

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 4

Vendor Name: TOTO USA Inc
Contact Name: Rich Lussier
Phone: 773-706-3945
Email: rlussier@toto.com

AREAS

Public Restrooms

GERBER

NORTH POINT™ 1.28/1.6 gpf (4.8/6.0 Lpf) Elongated Top Spud Bowl

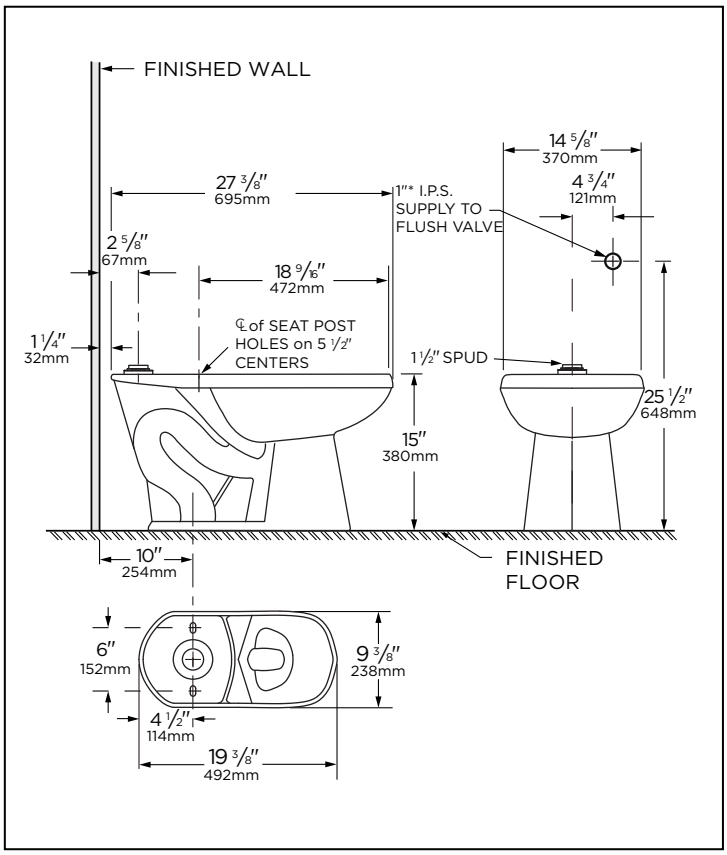
Features:

G0025833

- Vitreous China
- 1.28 gpf High Efficiency or 1.6 gpf Low Consumption
- Elongated Spud Bowl
- Siphon Jet
- Spud G0099255 1-1/2" X 1-1/2" for Flushometer Valve Included
- Top Spud
- Flushometer Valve not Included
- Toilet seat not Included

Technical Information:

Configuration	Elongated Top Spud Bowl
Water per Flush	1.28/1.6 gpf (4.8/6.0 Lpf)
Rough-In	10"
Height	15"
Width	14 5/8"
Depth	27 3/8"
Trapway	2"
Large Water Surface	8 11/16" x 6 5/16"
Shipping weight	51.5 lbs



Accessories: (To Be Purchased Separately)

N/A

Available Colors:

- White Only
- Other: Refer to Price Book for additional colors/ finishes

Warranty:

- Limited Lifetime on Vitreous China, refer to the website for more details.

HIGH EFFICIENCY TOILET HET

NOTES: All dimensions are in inches and millimeter. Illustrations may not be drawn to scale.

***This measurement may vary. Use flush valve manufacturer's recommended rough-in.**

RECOMMENDED STATIC WATER PRESSURE FOR PLUMBING FIXTURES IS 20 - 80 PSI STATIC PER ANSI STANDARDS A112.19.2M APPENDIX B.

IMPORTANT:

Dimensions of fixtures are nominal and may vary within the range of tolerances established by ASME standard A 112.19.2

THIS FIXTURE QUALIFIES ACCORDING TO ASME TEST PROCEDURES AS EITHER A LOW CONSUMPTION WATER CLOSET WITH AN AVERAGE CONSUMPTION OF 1.6 gpf (6.0 Lpf Lpf) OR LESS, OR AS A HIGH EFFICIENCY WATER CLOSET WITH AN AVERAGE CONSUMPTION OF 1.28 gpf (4.8 Lpf) OR LESS. WATER CLOSET CONSUMPTION IS DETERMINED BY THE FLUSHOMETER

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Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-306-KO_WCL-05

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Water Closet
Item Type	Water Closet
Description	Wellcomme Ultra Bowl (1.60 GPF), Floor Mounted
Manufacturer	Kohler
Model	K-96053-0 - Wellcomme Ultra Bowl
Dimensions	26-3/8" L x 14-7/8" W x 15-1/4" H
Color	White
Material Composition	Vitreous china
Global Specification	Y
CSI #	224200 Plumbing Fixtures
Omniclass #	22-224200 Plumbing Fixtures
Quality Standards	Meets ASME A112.19.2/CSA B45.1; DOE - Energy Policy Act 1992 & CEC
Accessibility Compliance	Meets ADA - ICC/ANSI A117.1
Water Sense	Meets EPA Criteria
Part of an Assembly	Y
Eco-Feature(s) *as per manufacturer	WaterSense® Labelled
Flow Rate	1.60 GPF
Warranty	KOHLER® One-Year Limited Warranty

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 2

Vendor Name: TOTO USA Inc
Contact Name: Rich Lussier
Phone: 773-706-3945
Email: rlussier@toto.com

ALTERNATE MANUFACTURER 3

Vendor Name: Globe Union North American Group
Contact Name: Art Rehner
Phone: 410-920-6230
Email: art.rehner@globeunion.com

ALTERNATE MANUFACTURER 4

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704

AREAS

Public Restrooms

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-306-KO_WCL-05

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Email: stephanie.weston@lixil.com

KOHLER®

Wellcomme™ Ultra

Elongated Floor Mount, Flushometer Bowl

K-96053

Features

- Elongated, Standard height bowl.
- 1-1/2" top spud.
- 10" x 7" water surface size.
- 2-1/8" glazed trapway.
- Also available with antimicrobial finish K-96053-SS.

Material

- Vitreous china.

Technology

- Designed to outperform competitors in bowl cleanliness and plug resistance.
- Maximum waste removal.
- Engineered for toilet seat cover removal.
- Excellent bowl rinse.
- Engineered to flush effectively in buildings with low supply pressure and flow*.
- Maximum drain line carry at all flush volumes per ASME Standard.

Installation

- 26-3/8" L x 14-7/8" W x 15-1/4" H
- 10" or 12" rough-in
- Replaces Wellcomme K-4350 and Wellworth K-4406. Height and footprint may vary.

Water Conservation & Rebates

- 1.1 to 1.6 gpf flush range (1.1, 1.28 and 1.6 gpf).
- WaterSense compliant when used with a 1.1 or 1.28 gpf WaterSense flushometer.

Optional Accessories

K-4731-C Commercial Heavy-duty Toilet Seat
K-4731-CA Commercial Heavy-duty Toilet Seat
K-7531 Tripoint™ HES 1.28 GPF WC Flushometer
K-7535 Tripoint™ HES 1.6 GPF WC Flushometer
K-7521 WAVE HES 1.28 GPF WC Flushometer
K-7523 WAVE HES 1.6 GPF WC Flushometer
K-10673 WAVE Touchless Toilet 1.28 gpf Flushometer
K-10674 Wave DC 1.6 GPF WC Flushometer
K-76320 Manual 1.1 GPF WC Flushometer
K-76321 Manual 1.28 GPF WC Flushometer
K-76322 Manual 1.6 GPF WC Flushometer

Components

Additional included component/s: Spud, and Bolt Cap Accessory Pack.

Codes/Standards

ASME A112.19.2/CSA B45.1
DOE - Energy Policy Act 1992
EPA WaterSense®
California Energy Commission (CEC)

KOHLER® One-Year Limited Warranty

See website for detailed warranty information.

Available Color/Finishes

Color tiles intended for reference only.

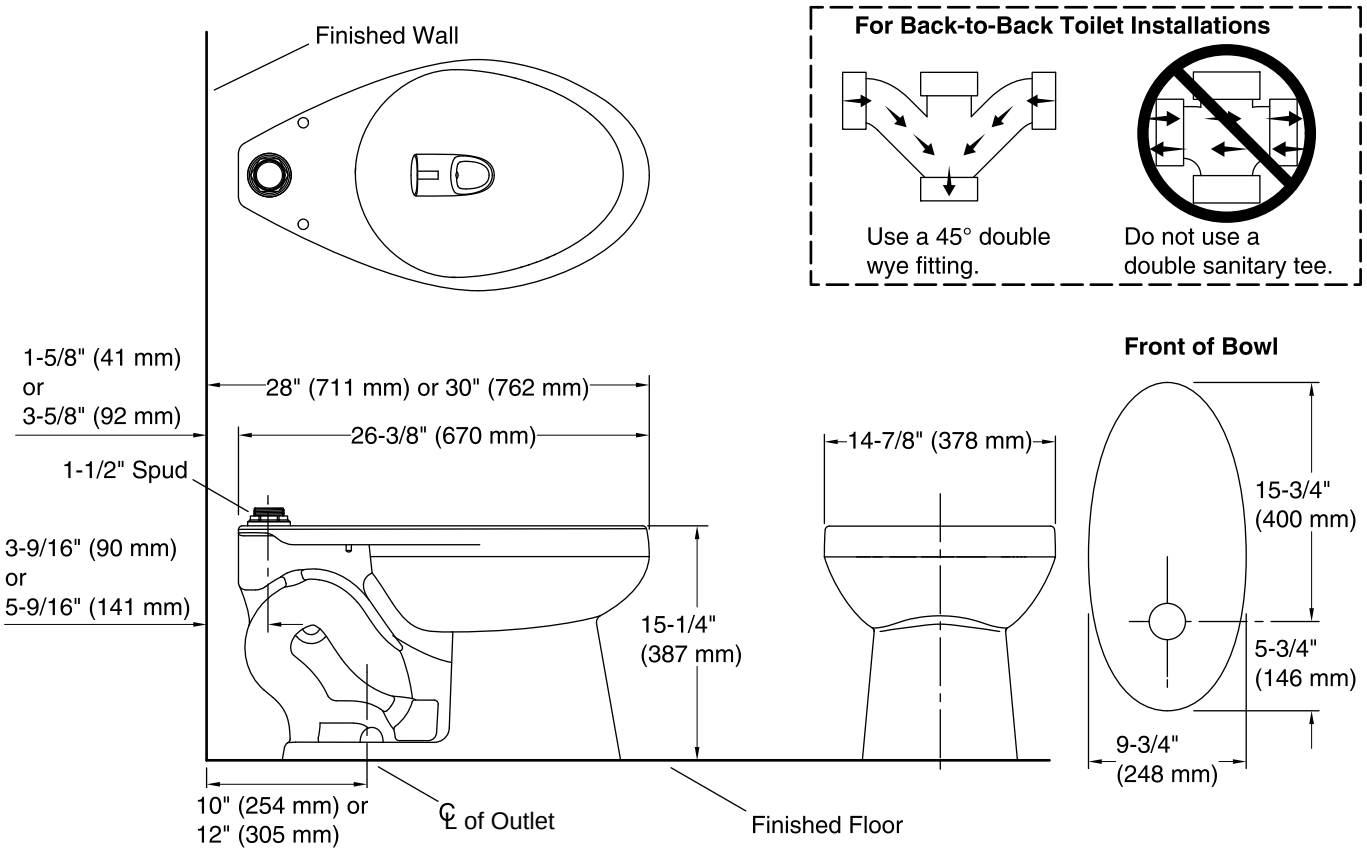
Color	Code	Description
	0	White
	96	Biscuit
	47	Almond
	7	Black Black™

KOHLER®

Wellcomme™ Ultra

Elongated Floor Mount, Flushometer Bowl

K-96053



Technical Information

All product dimensions are nominal.

Toilet type:	Flushometer, Floor-mount
Waste Outlet:	Floor
Bowl shape:	Elongated front
Flush type:	Flushometer valve siphon
Spud size:	1-1/2", Inlet, Top
Trap passageway:	2-1/8" (54 mm)
Water Consumption	
Full:	1.1 gpf (4.3 lpf) or 1.28 gpf (4.8 lpf) or 1.6 gpf (6 lpf)
Water surface size:	10" x 7" (254 mm x 178 mm)
Rim to water surface:	6" (152 mm)
Rough-in:	10" or 12" (254 or 305 mm)
Seat-mounting holes:	5-1/2" (140 mm)

Fixture Supply Requirements

Min static pressure:	35 psi (241.3 kPa)
Max static pressure:	80 psi (551.6 kPa)
Min flowing pressure:	25 psi (172.4 kPa)
Min flow rate:	25 gpm (94.6 lpm)

Notes

Install this product according to the installation instructions.

For back-to-back toilet installations: Use only a 45° double wye fitting.

If Fixture Supply Pressure is below 35 psi static, then fixture must be paired with a valve rated at 1.28 gpf or greater.

Requires flushometer valve to match desired water consumption 1.1 gpf (4.3 lpf) or 1.28 gpf (4.8 lpf) or 1.6 gpf (6 lpf).

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-306-LI_WCL-05

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Water Closet
Item Type	Water Closet - Elongated Toilet
Description	"Madera Elongated Flush Valve Toilet" 1.10 to 1.60 GPF 28-1/4" x 14" x 15" / Floor Mounted 10" or 12" Rough (See Toilet Seat Note 4 Below)
Manufacturer	American Standard (Lixil Parent Company)
Model	2234.001.020 - Madera Elongated Toilet
Dimensions	Refer to attachment
Color	White
Material Composition	Vitreous china
Global Specification	Y
CSI #	224200
Omniclass #	22-224200
Quality Standards	ASME A112.19.2-2008 / CSA B45.1-08 for Vitreous China Fixtures
Part of an Assembly	Y
Assembly Description	Inlet Spud; Bolt caps
Flow Rate	1.10 to 1.60 GPF
Product	047007-0070A Inlet Spud; 047007-0070A Inlet Spud

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 2

Vendor Name: TOTO USA Inc
Contact Name: Rich Lussier
Phone: 773-706-3945
Email: rlussier@toto.com

ALTERNATE MANUFACTURER 3

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 4

Vendor Name: Globe Union North American Group
Contact Name: Art Rehner
Phone: 410-920-6230

AREAS

Public Restrooms

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-306-LI_WCL-05

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

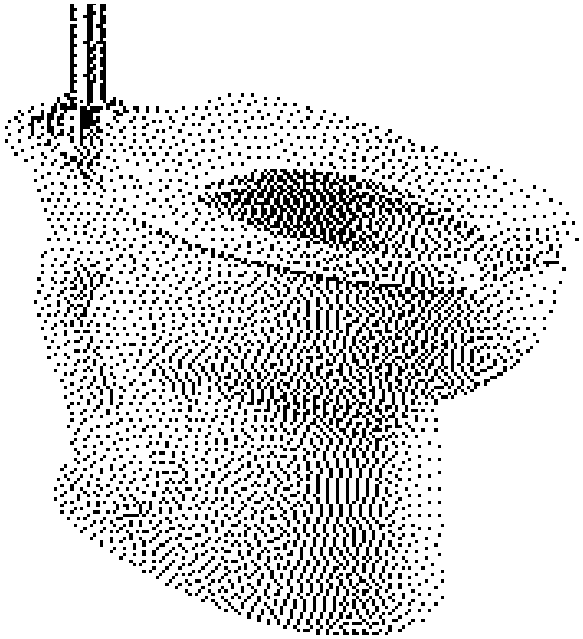
Email: art.rehner@globeunion.com

American Standard Inc

Model: Madera Elongated Toilet

Model Number: 2234.001.020

Color/Finish: White



American Standard
Style That Works Better

MADERA™ FloWise® 15" HEIGHT ELONGATED FLUSHOMETER TOILET

VITREOUS CHINA LESS EVERCLEAN®

MADERA™ FloWise® 15" HEIGHT ELONGATED LESS EVERCLEAN®

- Floor mount flushometer valve toilet
- Vitreous china
- High Efficiency, Low Consumption. Operates in the range of 1.1 gpf to 1.6 gpf (4.2 Lpf to 6.0 Lpf)
- Meets definition of HET (High Efficiency Toilet) when used with a high efficiency flush valve (1.28 gpf or 1.6 / 1.1 gpf dual flush)
- Fully glazed 2-1/8" trapway
- Elongated bowl
- 10" or 12" roughing-in
- 15" rim height
- Condensation channel
- Powerful direct-fed siphon jet action
- 10" x 12" water surface area
- 1-1/2" inlet spud
- 2 bolt caps
- 100% factory flush tested

❏ **2234.001** Elongated bowl only, top spud

❏ **2623.001** Elongated bowl only, top spud with slotted rim for bedpan holding (White only)

❏ **2624.001** Elongated bowl only, back spud

System MaP* Score:

- 1,000 grams of miso @ 1.6 gpf or 1.28 gpf when used with an American Standard flush valve

* Maximum Performance (MaP) testing performed by IAPMO R&T Lab. MaP Report conducted by Veritec Consulting, Inc. and Koeller and Company.

Component Parts:

❏ **047007-0070A** Inlet Spud (furnished with bowl)

❏ **481310-100** Bolt caps with retainers (furnished with bowl)

Nominal Dimensions:
718 x 356 x 381mm
(28-1/4" x 14" x 15")

Fixture only, less seat and flush valve

Recommended working pressure–between 25 psi at valve when flushing and 80 psi static

Compliance Certifications -
Meets or Exceeds the Following Specifications:

- ASME A112.19.2-2008 / CSA B45.1-08 for Vitreous China Fixtures

SEE REVERSE FOR ROUGHING-IN DIMENSIONS

To Be Specified:

❏ Color: ❏ White ❏ Bone

❏ Seat:
- ❏ American Standard #5901.100 Heavy duty open front less cover
- ❏ American Standard #5905.100 Extra heavy duty open front less cover

❏ Flushometer Valve:
- ❏ 1.6 gpf:
  - ❏ Sensor-Operated: American Standard Selectronic® DC Power #6065.161.002 (Top Spud)
  - ❏ Sensor-Operated: American Standard Selectronic® AC Power #6067.261.002 (Back Spud)
  - ❏ Manual: American Standard #6047.161.002 (Top Spud)
- ❏ 1.28 gpf:
  - ❏ Sensor-Operated: American Standard Selectronic® DC Power #6065.121.002 (Top Spud)
  - ❏ Sensor-Operated: American Standard Selectronic® AC Power #6067.221.002 (Back Spud)
  - ❏ Manual: American Standard #6047.121.002 (Top Spud)
- ❏ 1.6 / 1/1 gpf Dual Flush:
  - ❏ Sensor-Operated: American Standard Selectronic® DC Power #6065.761.002 (Top Spud)

WATER EFFICIENT PRODUCT

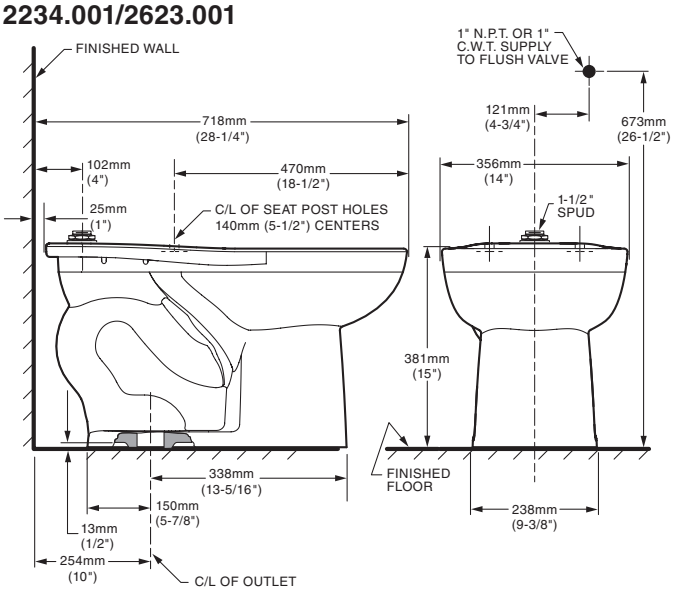
© 2011 AS America Inc.

American Standard
Style That Works Better

MADERA™ FloWise® 15" HEIGHT ELONGATED FLUSHOMETER TOILET

VITREOUS CHINA LESS EVERCLEAN®

2234.001/2623.001



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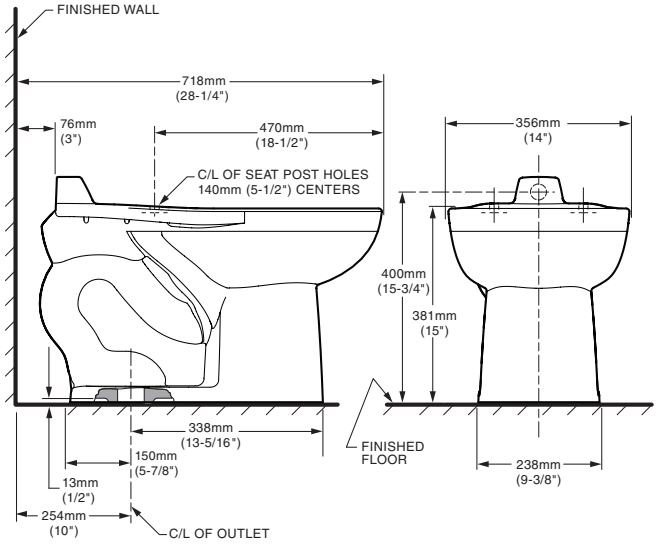

NOTES:
PRODUCT 2234 SHOWN, 2623 SAME EXCEPT WITH SLOTTED RIM FOR BED PAN HOLDING.
TO COMPLY WITH AREA CODE GOVERNING THE HEIGHT OF VACUUM BREAKER ON THE FLUSHOMETER VALVE, THE PLUMBER MUST VERIFY DIMENSIONS SHOWN FOR SUPPLY ROUGHING.
THIS TOILET DESIGNED TO ROUGH-IN AT A MINIMUM DIMENSION OF 254MM (10") AND A MAXIMUM DIMENSION OF 305MM (12") FROM FINISHED WALL TO C/L OF OUTLET.
FLUSHOMETER VALVE NOT INCLUDED WITH FIXTURE AND MUST BE ORDERED SEPARATELY. FLUSHOMETER VALVE REQUIREMENTS FOR 12" (305MM) ROUGH-IN: SWEAT EXTENSION NIPPLE IS REQUIRED. REFER TO VALVE MANUFACTURER AND LOCAL CODES.

IMPORTANT: Dimensions of fixtures are nominal and may vary within the range of tolerances established by ANSI Standard A112.19.2. These measurements are subject to change or cancellation. No responsibility is assumed for use of superseded or voided pages.

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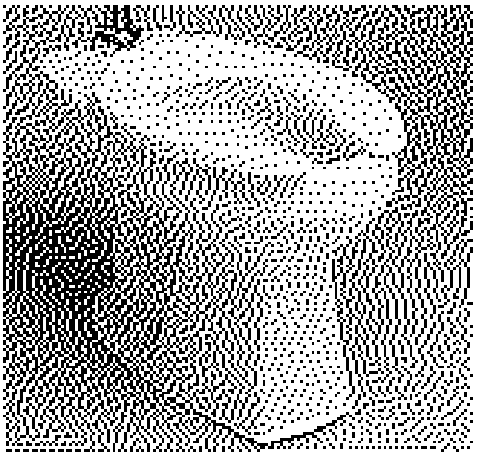
Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-306-TO_WCL-05

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Water Closet
Item Type	Water Closet - Floor Mounted
Description	"Flushometer Toilet" 1.60 GPF Floor Mounted, Elongated Front Bowl
Manufacturer	TOTO USA
Model	CT705UN (G)
Dimensions	25 1/4"L x 14 3/8"W x 15"H
Color	#01 Cotton
Material Composition	Vitreous china
Global Specification	Y
CSI #	224200
Omniclass #	22-224200
Quality Standards	Meets ANSI/ASME standard A112.19.2/ CSA B45.1
Accessories	Spud, and Bolt Cap
Part of an Assembly	Y
Eco-Feature(s) *as per manufacturer	Low water consumption Product
Flow Rate	1.60 GPF
Warranty	One Year Limited Warranty
Notes	Rough-in: 10"-12"

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: TOTO USA Inc
Contact Name: Rich Lussier
Phone: 773-706-3945
Email: rlussier@toto.com

ALTERNATE MANUFACTURER 2

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 3

Vendor Name: Globe Union North American Group
Contact Name: Art Rehner
Phone: 410-920-6230
Email: art.rehner@globeunion.com

ALTERNATE MANUFACTURER 4

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston

AREAS

Public Restrooms

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-306-TO_WCL-05

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

TOTO®

CT705UN(G)

Floor-Mounted Flushometer Toilet For 1.0/1.28/1.6 GPF Flush Valve

FEATURES

- Floor-mounted
- Elongated front bowl
- Optional CeFiONtect™ glaze prevents debris from sticking to ceramic surfaces, making them easier to clean
- Clear glazed trapway coating
- 10"-12" rough-in

MODELS

- CT705UNG
  Commercial, floor-mounted toilet with CeFiONtect ceramic glaze
- CT705UN
  Commercial floor-mounted toilet

ADDITIONAL ITEMS

- SC534 seat
- SC134 seat

FLUSH VALVES			
ECOPOWER®		**MANUAL**	
Exposed		**Exposed**	
TET1UA32#CP	1.0 GPF	TMT1LN32#CP	1.28 GPF
TET1LA32#CP	1.28 GPF	TMT1NNC-32	1.6 GPF
TET1GA32#CP	1.6 GPF		
Exposed 24" Breaker			
TET6UA32#CP	1.0 GPF		
TET6LA32#CP	1.28 GPF		
TET6GA32#CP	1.6 GPF		
Concealed 14" x 12"			
TET2UA32#CP	1.0 GPF		
TET2LA32#SS	1.28 GPF		
TET2GA32#SS	1.6 GPF		
Concealed 4" x 4"			
TET3UA32#SS	1.0 GPF		
TET3LA32#SS	1.28 GPF		
TET3GA32#SS	1.6 GPF		

Flush valve sold separately

CeFiONtect

COLORS/FINISHES

- Standard
  #01 Cotton

PRODUCT SPECIFICATION

The floor-mounted, low consumption siphon jet flushing toilet shall be 1.0/1.28/1.6 GPF (3.8/4.8/6.0 LPF) when paired with a flush valve of corresponding flush volume. Toilet shall have optional CeFiONtect ceramic glaze. Toilet shall be TOTO Model CT705UN_____.

CODES/STANDARDS

- Meets and exceeds ASME A112.19.2/CSA B45.1
- Certifications: IAPMO(cUPC), State of Massachusetts, City of Los Angeles, and others
- Code compliance: UPC, IPC, NSPC, NPC Canada, and others

CT705UN(G)

Floor-Mounted Flushometer Toilet
For 1.0/1.28/1.6 GPF Flush Valve

SPECIFICATIONS

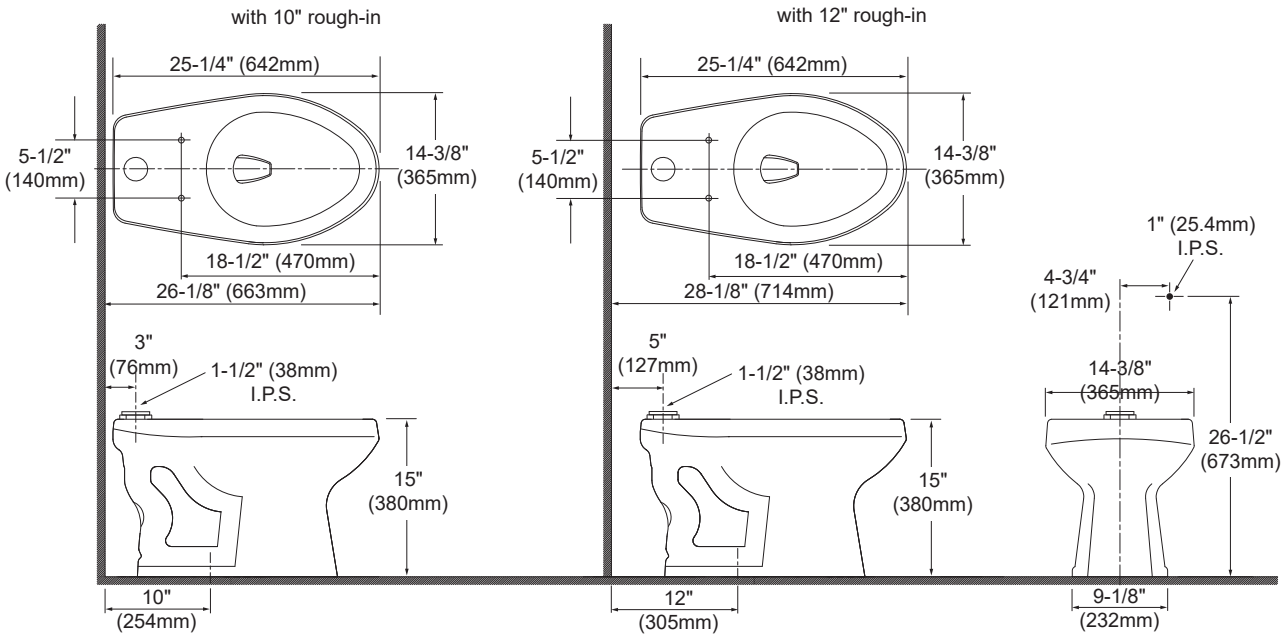
Water Use	1.0/1.28/1.6 GPF (3.8/4.8/6.0 LPF)
Flush System	Siphon Jet Flushing Action
Water Surface	10-3/4" x 9-1/4"
Water Pressure	Min: 35 psi (Flowing) Max: 80 psi (Static)
Min. Flow Rate	24 GPM
Trap Diameter	1-7/8"
Trap Seal	2-3/8"
Rough-in	12" or 10"
Material	Vitreous China
Warranty	One Year Limited Warranty
Shipping Weight	52.5 lbs
Shipping Dimensions	26-1/2"L x 9-1/2" W1 x 16-1/4"W2 x 17"H

INSTALLATION NOTES

Spuds are unique for TOTO product. For replacement spuds, contact TOTO for part number THU073R.

Can be used with exposed or concealed top inlet flush valves.

DIMESNIONS



TOTO®

These dimensions and specifications are subject to change without notice

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-307-KO_WCL-05

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Water Closet
Item Type	Water Closet
Description	Wellcomme Ultra Bowl (1.28 GPF), Floor Mounted
Manufacturer	Kohler
Model	K-96053-0 - Wellcomme Ultra Bowl
Dimensions	26-3/8" L x 14-7/8" W x 15-1/4" H
Color	White
Material Composition	Vitreous china
Global Specification	Y
CSI #	224200 Plumbing Fixtures
Omniclass #	22-224200 Plumbing Fixtures
Quality Standards	Meets ASME A112.19.2/CSA B45.1; DOE - Energy Policy Act 1992 & CEC
Accessibility Compliance	Meets ADA - ICC/ANSI A117.1
Water Sense	Meets EPA Criteria
Part of an Assembly	Y
Eco-Feature(s) *as per manufacturer	WaterSense® Labelled
Flow Rate	1.28 GPF
Warranty	KOHLER® One-Year Limited Warranty
Notes	Alternate for water conservation.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms

KOHLER®

Wellcomme™ Ultra

Elongated Floor Mount, Flushometer Bowl

K-96053

Features

- Elongated, Standard height bowl.
- 1-1/2" top spud.
- 10" x 7" water surface size.
- 2-1/8" glazed trapway.
- Also available with antimicrobial finish K-96053-SS.

Material

- Vitreous china.

Technology

- Designed to outperform competitors in bowl cleanliness and plug resistance.
- Maximum waste removal.
- Engineered for toilet seat cover removal.
- Excellent bowl rinse.
- Engineered to flush effectively in buildings with low supply pressure and flow*.
- Maximum drain line carry at all flush volumes per ASME Standard.

Installation

- 26-3/8" L x 14-7/8" W x 15-1/4" H
- 10" or 12" rough-in
- Replaces Wellcomme K-4350 and Wellworth K-4406. Height and footprint may vary.

Water Conservation & Rebates

- 1.1 to 1.6 gpf flush range (1.1, 1.28 and 1.6 gpf).
- WaterSense compliant when used with a 1.1 or 1.28 gpf WaterSense flushometer.

Optional Accessories

K-4731-C Commercial Heavy-duty Toilet Seat
K-4731-CA Commercial Heavy-duty Toilet Seat
K-7531 Tripoint™ HES 1.28 GPF WC Flushometer
K-7535 Tripoint™ HES 1.6 GPF WC Flushometer
K-7521 WAVE HES 1.28 GPF WC Flushometer
K-7523 WAVE HES 1.6 GPF WC Flushometer
K-10673 WAVE Touchless Toilet 1.28 gpf Flushometer
K-10674 Wave DC 1.6 GPF WC Flushometer
K-76320 Manual 1.1 GPF WC Flushometer
K-76321 Manual 1.28 GPF WC Flushometer
K-76322 Manual 1.6 GPF WC Flushometer

Components

Additional included component/s: Spud, and Bolt Cap Accessory Pack.

Codes/Standards

ASME A112.19.2/CSA B45.1
DOE - Energy Policy Act 1992
EPA WaterSense®
California Energy Commission (CEC)

KOHLER® One-Year Limited Warranty

See website for detailed warranty information.

Available Color/Finishes

Color tiles intended for reference only.

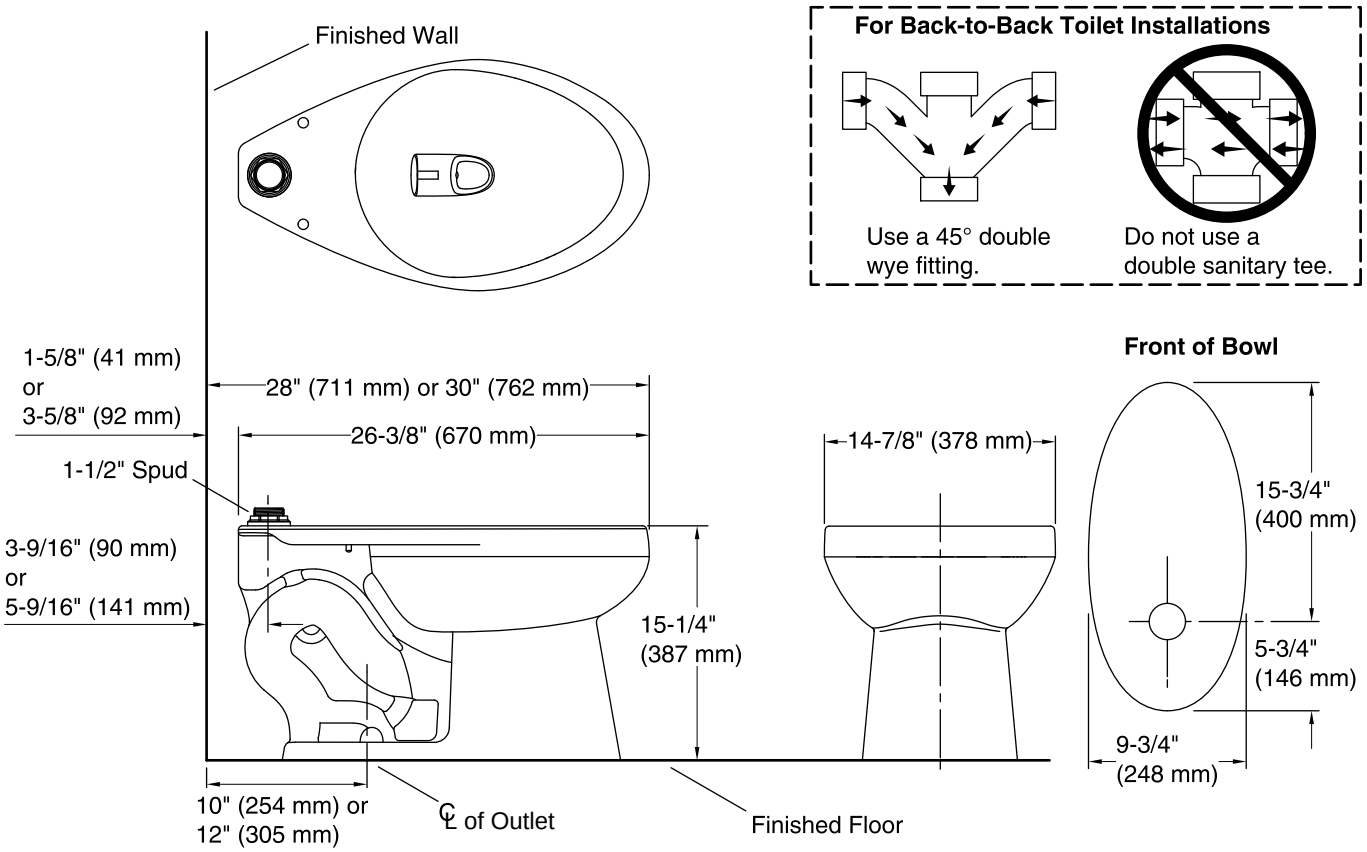
Color	Code	Description
	0	White
	96	Biscuit
	47	Almond
	7	Black Black™

KOHLER®

Wellcomme™ Ultra

Elongated Floor Mount, Flushometer Bowl

K-96053



Technical Information

All product dimensions are nominal.

Toilet type:	Flushometer, Floor-mount
Waste Outlet:	Floor
Bowl shape:	Elongated front
Flush type:	Flushometer valve siphon
Spud size:	1-1/2", Inlet, Top
Trap passageway:	2-1/8" (54 mm)
Water Consumption	
Full:	1.1 gpf (4.3 lpf) or 1.28 gpf (4.8 lpf) or 1.6 gpf (6 lpf)
Water surface size:	10" x 7" (254 mm x 178 mm)
Rim to water surface:	6" (152 mm)
Rough-in:	10" or 12" (254 or 305 mm)
Seat-mounting holes:	5-1/2" (140 mm)

Fixture Supply Requirements

Min static pressure:	35 psi (241.3 kPa)
Max static pressure:	80 psi (551.6 kPa)
Min flowing pressure:	25 psi (172.4 kPa)
Min flow rate:	25 gpm (94.6 lpm)

Notes

Install this product according to the installation instructions.

For back-to-back toilet installations: Use only a 45° double wye fitting.

If Fixture Supply Pressure is below 35 psi static, then fixture must be paired with a valve rated at 1.28 gpf or greater.

Requires flushometer valve to match desired water consumption 1.1 gpf (4.3 lpf) or 1.28 gpf (4.8 lpf) or 1.6 gpf (6 lpf).

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-308-CH_WCL-05

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Closet Seat
Item Type	Closet Seat
Description	Elongated Seat, Open Front w/ No Cover. "Just-Lift" Integrated Hinge system. "Sta-Tite" Fastening System
Manufacturer	Bemis
Model	2155CTJ
Dimensions	Refer to attachment
Color	White
Material Composition	SOLID PLASTIC
Global Specification	Y
CSI #	224200
Omniclass #	22-224200
Part of an Assembly	N

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Church Seats, Bemis Manufacturing Company
Contact Name: Customer Service
Phone: 800.558.7651
Email: corp@BemisMfg.com

ALTERNATE MANUFACTURER 2

Vendor Name: TOTO USA Inc
Contact Name: Rich Lussier
Phone: 773-706-3945
Email: rlussier@toto.com

ALTERNATE MANUFACTURER 3

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 4

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

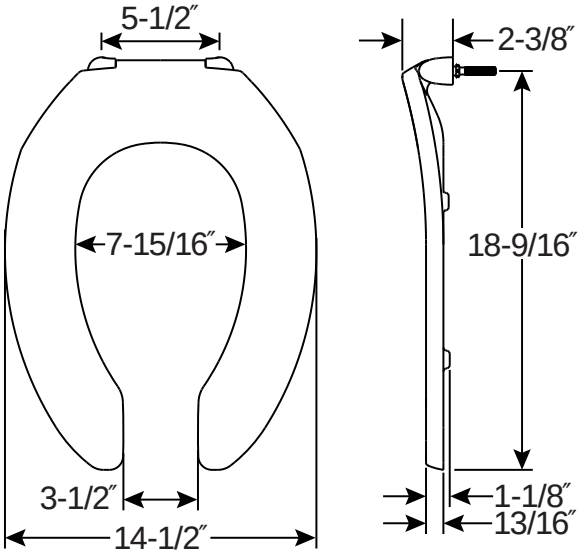
AREAS

Public Restrooms
Employee Areas

BEMIS COMMERCIAL

2155CTJ

COMMERCIAL HEAVY-DUTY
PLASTIC TOILET SEAT



FEATURES:

- **STA-TITE®**
  Commercial Fastening System™
  Eliminates callbacks for loosened seats
- **JUST•LIFT®**
  Provides 1-½″ lift height for enhanced cleanability
- **DuraGuard® Antimicrobial ***
  Built-In Seat Protection™

** DuraGuard Antimicrobial does not protect users against bacteria, viruses, or other disease organisms. Always clean and wash this product thoroughly before and after each use.*

SPECIFICATIONS:

Size: Elongated

Material: Plastic

Style: Open Front less Cover

Ring Bumpers: Four

Hinges: Plastic Just•Lift® Check Hinges with Non-Corroding 300 Series Stainless Steel Posts and Pintles

Hardware: STA-TITE® Commercial Fastening System™

Codes & Standards: Complies with IAPMO/ANSI Z124.5 Performance Standards Heavy-Duty Commercial

Proudly Made in the USA

Eco-Friendly

Bemis Manufacturing Co., Sheboygan Falls, WI 53085 | ToiletSeats.com | ph: 800.558.7651 | fx: 800.292.3647
Bemis Manufacturing Co. reserves the right to make revisions without notice to product specifications.
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Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-308-KO_WCL-05

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Closet Seat
Item Type	Closet Seat
Description	"Stronghold" Open Front w/ No Cover
Manufacturer	Kohler
Model	K-4731-C-0 Stronghold Toilet Seat
Dimensions	Refer to attachment
Color	White
Material Composition	Solid polypropylene plastic
Global Specification	Y
CSI #	224200 Plumbing Fixtures
Omniclass #	22-224200 Plumbing Fixtures
Quality Standards	NA
Accessibility Compliance	Meets ADA
Part of an Assembly	N
Warranty	KOHLER® One-Year Limited Warranty

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 2

Vendor Name: Church Seats, Bemis Manufacturing Company
Contact Name: Customer Service
Phone: 800.558.7651
Email: corp@BemisMfg.com

ALTERNATE MANUFACTURER 3

Vendor Name: TOTO USA Inc
Contact Name: Rich Lussier
Phone: 773-706-3945
Email: rlussier@toto.com

ALTERNATE MANUFACTURER 4

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

AREAS

Public Restrooms
Employee Areas

KOHLER®

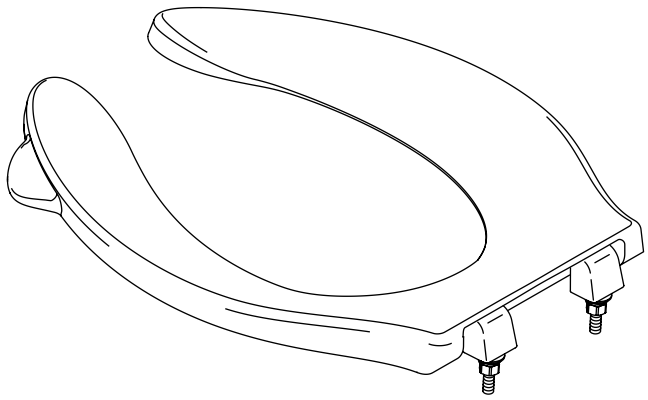
STRONGHOLD™

COMMERCIAL TOILET SEAT
K-4731

ADA

Features

- *Solid polypropylene plastic*
- *Elongated open-front*
- *Ergonomic contour adds additional comfort*
- *Integrated handle allows user to easily raise and lower the ring*
- *Less cover*
- *ADA compliant when installed with an ADA compliant toilet*
- *Anti-microbial agent inhibits growth of odor-causing bacteria, mold, and mildew [-CA, -GA, -SA]*
- *Check hinge stops seat from leaning back and applying pressure on tank/flushometer [-C, -CA]*
- *Self-sustaining check hinge prevents slamming with check hinge functionality [-SC, -SA]*
- *Quiet-Close™ check hinge will slowly close with check hinge functionality [-GC, -GA]*



Codes/Standards Applicable

Specified model meets or exceeds the following:

- *ADA*
- *ANSI Z124.5*

Colors/Finishes

- 0: White
- 7: Black Black™

Specified Model

Model	Description	Colors/Finishes	
K-4731-C	Elongated open-front seat – check hinge	❑ 0	❑ 7
K-4731-CA	Elongated open-front seat – check hinge and anti-microbial agent	❑ 0	
K-4731-GC	Elongated open-front seat – Quiet-Close™ check hinge	❑ 0	❑ 7
K-4731-GA	Elongated open-front seat – Quiet-Close™ check hinge and anti-microbial agent	❑ 0	
K-4731-SC	Elongated open-front seat – self-sustaining check hinge	❑ 0	❑ 7
K-4731-SA	Elongated open-front seat – self-sustaining check hinge and anti-microbial agent	❑ 0	

Product Specification

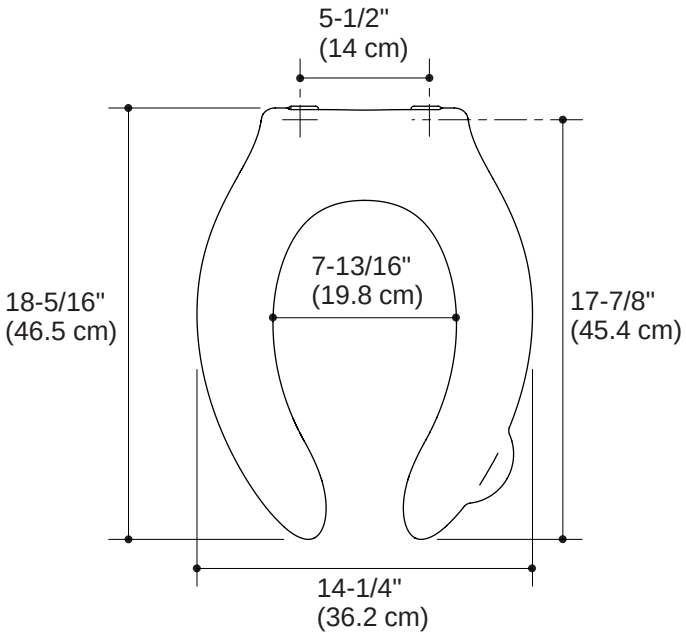
The elongated open-front toilet seat shall be made of solid polypropylene plastic. Product shall be less cover. Product shall feature an ergonomic contour which adds additional comfort. Product shall feature an integrated handle which allows the user to easily raise and lower the ring. Product shall feature an anti-microbial agent which inhibits growth of odor-causing bacteria, mold, and mildew [-CA, -GA, -SA]. Product shall feature a check hinge which stops the seat from leaning back and applying pressure on the tank/flushometer [-C, -CA]. Product shall feature a self-sustaining check hinge which prevents slamming with check hinge functionality [-SC, -SA]. Product shall feature a Quiet-Close™ check hinge which will slowly close with check hinge functionality [-GC, -GA]. Product shall be ADA compliant when installed with an ADA compliant toilet. Toilet seat shall be Kohler Model K-4731-____-____.

USA: 1-800-4-KOHLER
Canada: 1-800-964-5590
kohler.com

STRONGHOLD™

Installation Notes

Install this product according to the installation guide.



Product Diagram

THE BOLD LOOK OF KOHLER®

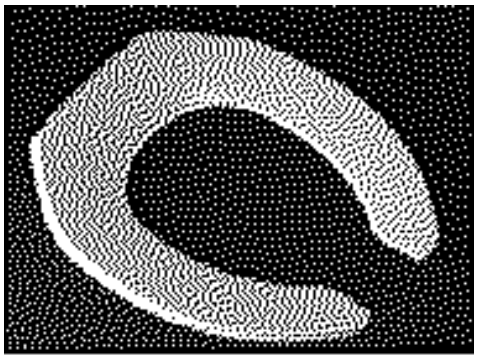
Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-308-LI_WCL-05

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Toilet Seat
Item Type	Toilet Seat
Description	Open front toilet seat less cover Fits elongated bowl
Manufacturer	American Standard (Lixil Parent Company)
Model	5901.100.020 - Toilet Seat-BOH
Dimensions	Refer to attachment
Color	White
Material Composition	Solid polypropylene
Part of an Assembly	N



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 2

Vendor Name: Church Seats, Bemis Manufacturing Company
Contact Name: Customer Service
Phone: 800.558.7651
Email: corp@BemisMfg.com

ALTERNATE MANUFACTURER 3

Vendor Name: TOTO USA Inc
Contact Name: Rich Lussier
Phone: 773-706-3945
Email: rlussier@toto.com

ALTERNATE MANUFACTURER 4

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

AREAS

Public Restrooms
Employee Areas

American Standard Inc

Model: Toilet Seat-BOH

Model Number: 5901.100.020

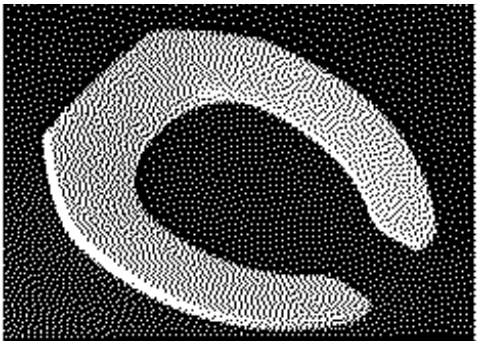
Color/Finish: White

American Standard

COMMERCIAL TOILET SEATS

COMMERCIAL TOILET SEATS

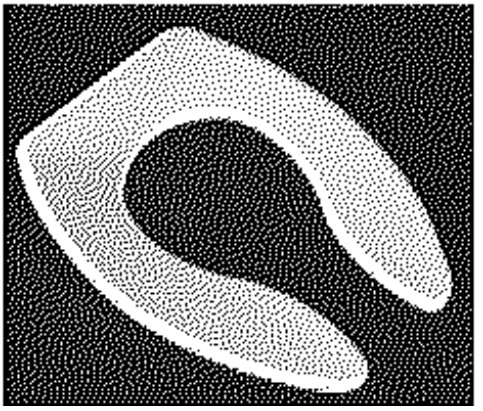
- Open front toilet seat less cover
- Injection molded solid polypropylene
- Fits elongated bowl
- Features large molded-in bumpers
- External check hinge with 304 Series stainless steel hinge posts stops seat 11° beyond vertical
- Optional EverClean™ antimicrobial surface inhibits the growth of stain and odor causing bacteria, mold, and mildew



5901

❑ **5901.100** Elongated Heavy Duty bowl open front seat less cover

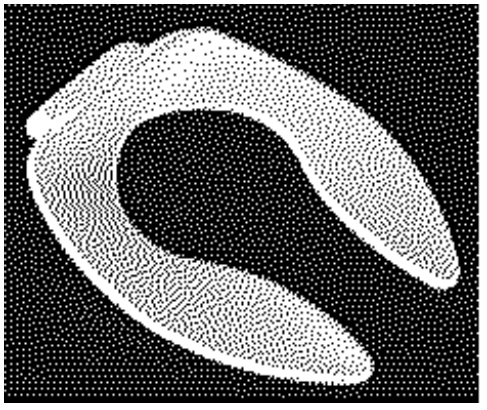
❑ **5901.110** Same as 5901.100 with EverClean™ Surface



5905

❑ **5905.100** Elongated Extra Heavy Duty bowl open front seat less cover

❑ **5905.110** Same as 5905.100 with EverClean™ Surface



5910

❑ **5910.100** Elongated Extra Heavy Duty Plus bowl open front seat less cover

❑ **5910.110** Same as 5910.100 with EverClean™ Surface

SEE REVERSE FOR ROUGHING-IN DIMENSIONS

To Be Specified:
❑ Color: ❑ White

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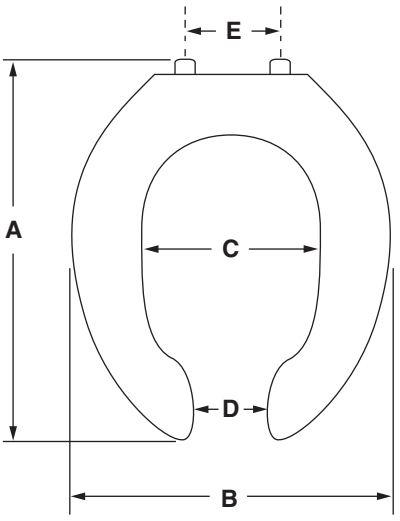
American Standard

COMMERCIAL TOILET SEATS



Model #	5901	5905	5910
A	18-9/16" (471mm)	18-9/16" (471mm)	18-3/16" (462mm)
B	14-3/8" (365mm)	14-3/16" (360mm)	14-3/16" (360mm)
C	7-7/8" (200mm)	7-5/8" (194mm)	7-7/8" (200mm)
D	3-1/2" (89mm)	3" (76mm)	3-1/2" (89mm)
E	5-1/2" (140mm)	5-1/2" (140mm)	5-1/2" (140mm)
Ring Thickness	7/8" (22mm)	1" (25mm)	1" (25mm)
Ring Thickness with Bumper	1" (25mm)	1-1/8" (29mm)	1-1/8" (29mm)

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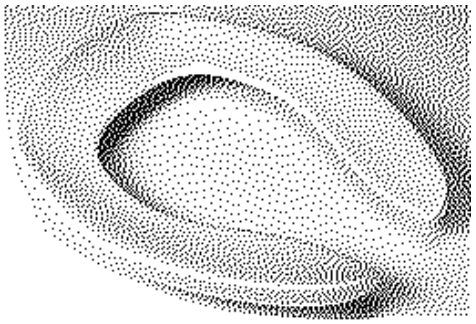
Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-308-TO_WCL-05

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Closet Seat
Item Type	Closet Seat
Description	Elongated open front toilet seat
Manufacturer	TOTO USA Inc
Model	SC534
Dimensions	18 5/8"L x 14 3/4"W
Color	#01 Cotton
Material Composition	Solid polypropylene plastic
Global Specification	Y
CSI #	224200
Omniclass #	22-224200
Part of an Assembly	Y
Warranty	One Year limited warranty
Notes	Mounting hardware included



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: TOTO USA Inc
Contact Name: Rich Lussier
Phone: 773-706-3945
Email: rlussier@toto.com

ALTERNATE MANUFACTURER 2

Vendor Name: Church Seats, Bemis Manufacturing Company
Contact Name: Customer Service
Phone: 800.558.7651
Email: corp@BemisMfg.com

ALTERNATE MANUFACTURER 3

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 4

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

AREAS

Public Restrooms
Employee Areas

TOTO®

SC534

Commercial Seat

FEATURES

- Elongated open front toilet seat
- Mounting hardware included

MODELS

- SC534

COLORS/FINISHES

- #01 Cotton

SPECIFICATIONS

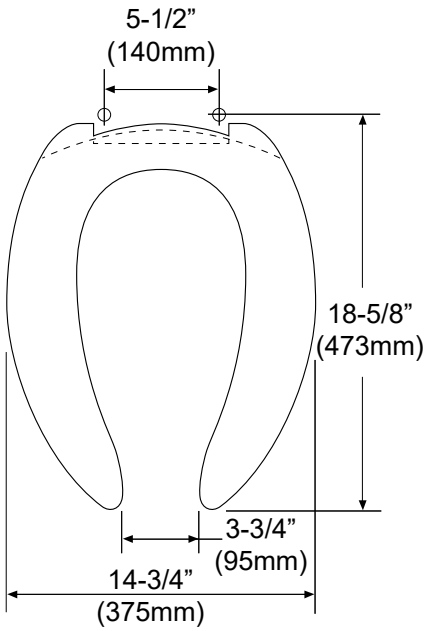
• Warranty	1-year limited warranty
• Material	Polypropylene
• Shipping Weight	6 lbs.
• Shipping Dimensions	18-1/2" x 14-1/2" x 3"

PRODUCT SPECIFICATION

Seat shall be model # SC534_____ Seat shall be solid plastic with open front seat. Seat shall have integral bumpers. Hinges to be color matched with noncorrosive nylon stud and nut.

PLEASE NOTE:

Cannot be installed with the following models: MS874114S(G), MS884114, MS914114, MS904114, CST774S, CST804S, CST414M, CST416M, CST464MF, CST412MF, & CST412MF.10. CST794EF and CST794SF



TOTO®

These dimensions and specifications are subject to change without notice

Ph: (888) 295-8134 | Fax: (800) 699-4889 | www.totousa.com

SS-00340 v.06

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Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-309-DE_WCL-05

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Flush Valve
Item Type	Flush Valve
Description	Exposed flush valve, manual operation, ADA compliant, wall mounted, 1.60 GPF
Manufacturer	Delta Faucet Company
Model	81T201
Dimensions	Refer to attachment
Color	Chrome
Finish	Polished
CSI #	224200 - Plumbing Fixtures
Omniclass #	22-224200 Plumbing Fixtures
Quality Standards	CSA Certified, ASSE 1037
Accessibility Compliance	ASME 117.1

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Delta Faucet Company
Contact Name: Emily Mueller
Phone: (210) 870-9932
Email: emily.mueller@deltafaucet.com

ALTERNATE MANUFACTURER 2

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 3

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 4

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

AREAS

Public Restrooms
Employee Areas

DELTA COMMERCIAL

Flush Valves

Exposed Flush Valves-Manual Operation

Model No: 81T201

COMPLIES WITH:

- CSA certified.
- Complies to ASSE 1037
- IAPMO listed
- ADA compliant and meets Handicapped Accessibility Standard ASME 117.1 of less than 5 lbs operating force
- (Contact Delta Representative for State and/or Local Approvals)

SPECIFICATION:

- Quiet action, Teck® exposed diaphragm flush valve
- polished chrome plated finish
- vandal resistant cover screw
- metal "non hold open" ADA Compliant oscillating handle
- vacuum breaker
- renewable seat
- *Chloramine resistant diaphragm attached to guide with forged metal retainer.
- spud flange and concealed spud nut
- For Water Closets with 1-1/2" top spud
- maximum 292mm(11 1/2") from centerline of valve inlet to top of water closet, except -1 trap seal models which are maximum 11 3/4"
- 1" FIP/Copper sweat inlet adaptor for angle check stop with protecting cap
- adjustable 121mm (4.75”) plus or minus 11mm (7/16”) inlet/valve outlet centers
- external water conserving flush volume adjustment unless -6 variation selected which is Not Field Adjustable
- Cover tube and wall flange
- 6 Litre(1.6 US Gal.)Factory set Flush - Field Adjustable

OPERATION:

- Not Available

(Dimensional drawing on following page)

Delta reserves the right (1) to make changes to specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference. Measurement may vary plus or minus 6mm(0.25"). Mounting locations are suggested only. Check with local codes for requirements in your area.

Delta Faucet Company - 55 East 111th St. - Indianapolis, Indiana, USA 46280 - (317) 848-1812
Delta Faucet Canada - 395 Matheson Blvd E - Mississauga, Ontario, Canada L4Z 2H2 - (905) 712-3030

Model No: 81T201

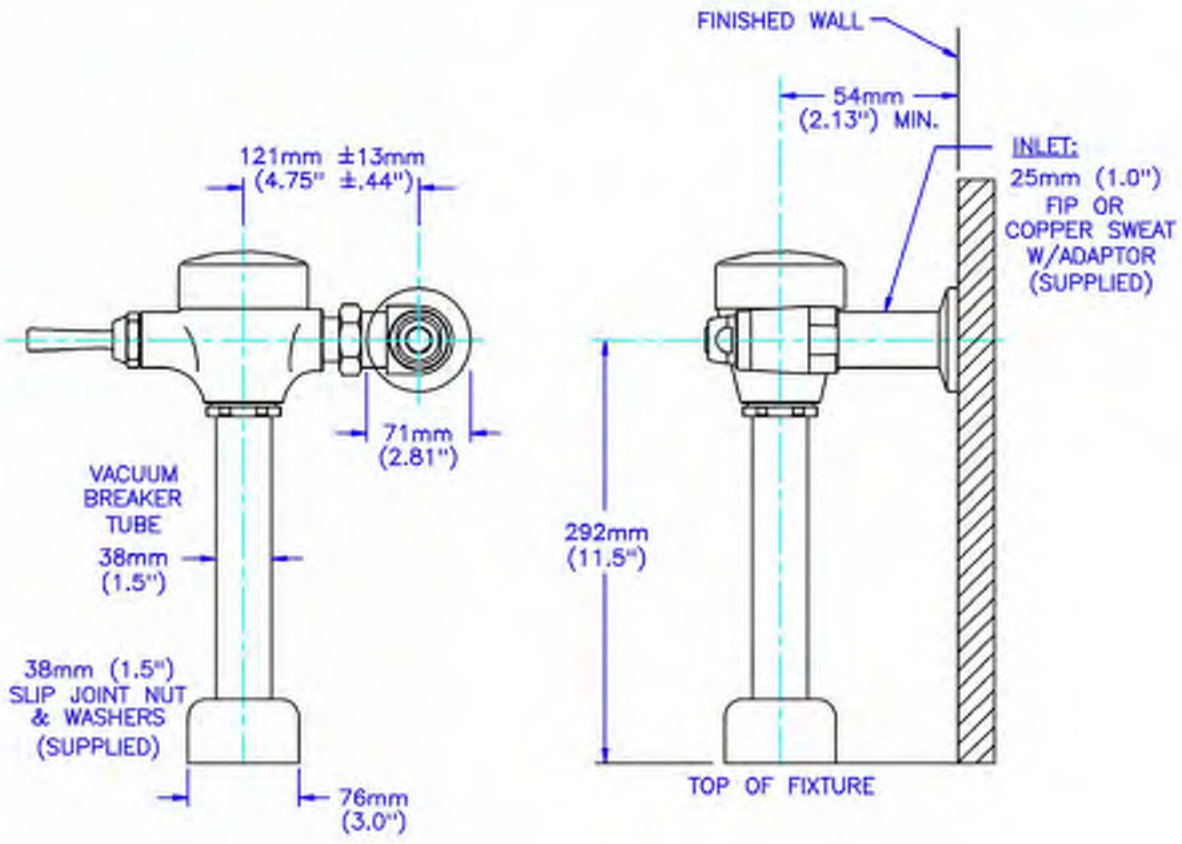
- FACTORY SET FOR 6.0 LITRE (1.6 US GAL.) FLUSH AT 60 PSI
- FIELD ADJUSTABLE FLUSH FROM 4.8L TO 25L (1.27 TO 6.6 US GAL.)

THE RECOMMENDED FLUSH VALVE OPERATING PRESSURE RANGE IS BETWEEN 35 & 65 PSI. PRESSURES OVER 75PSI LEAD TO AN INCREASE IN NOISE, WATER COULD SPLASH OUT OF THE FIXTURE MORE EASILY, AND THE LIFE OF ANY PLUMBING VALVE MAY BE SHORTENED.

FOR PRESSURES OVER 75PSI, A PRESSURE REDUCING VALVE IS RECOMMENDED.

FLUSH VALVES DO NOT PROVIDE A WATER SUPPLY; THEY ARE MERELY AUTOMATICALLY TIMED SELF-CLOSING VALVES. THE INLET SUPPLY PIPING IS THE WATER RESERVOIR THAT MUST SUPPLY SUFFICIENT WATER VOLUME IN A SHORT PERIOD OF TIME TO PROPERLY FLUSH THE FIXTURE.

WE STRONGLY RECOMMEND THAT PIPING CALCULATIONS BE DONE FOE ALL INSTALLATIONS TO INSURE PROPER WATER SUPPLY SIZES. CALL TECHNICAL SERVICE FOR DETAILS.



Delta reserves the right (1) to make changes to specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference. Measurement may vary plus or minus 6mm(0.25"). Mounting locations are suggested only. Check with local codes for requirements in your area.

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-309-KO_WCL-05

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Toilet Flush Valve
Item Type	Toilet Flush Valve - Manual
Description	Exposed Flush Valve - Manual Operation ADA Compliant 1.60 GPF Wall Mounted
Manufacturer	Kohler
Model	K-13516-CP
Dimensions	Refer to attachment
Color	CP
Finish	Polished Chrome
Material Composition	Brass construction
Global Specification	Y
CSI #	224200
Omniclass #	22-224200
Quality Standards	Meets ASME A112.18.1/CSA B125.1; EN 55022; ICES-003, Class B; CSA B64
Accessibility Compliance	ADA Compliant - ICC/ANSI A117.1
Part of an Assembly	N
Flow Rate	1.60 GPF
Warranty	KOHLER® One-Year Limited Warranty

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 2

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 3

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms
Employee Areas

Kohler Company

Model: Exposed Flushometer Toilet Flush Valve
Model Number: K-13516-CP

Color/Finish: Polished Chrome

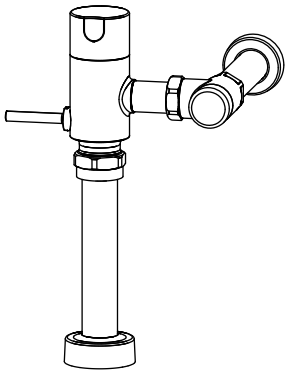
KOHLER® FAUCETS

Features

- *Brass construction*
- *Fixture-mount design*
- *Intended for toilet installations with 1-1/2″ spud coupling connection*
- *Non-hold open piston technology for accurate activation*
- *Retrofit models require a control stop and vacuum breaker*
- *1.28 gpf (4.85 lpf) for low water consumption (K-13517 and K-13517-RF)*
- *1.6 gpf (6 lpf) for standard water consumption (K-13516 and K-13516-RF)*

EXPOSED FLUSHOMETER
K-13516
ALSO K-13516-RF, K-13517, K-13517-RF

ADA | **CSA B651** | **OBC**



Codes/Standards Applicable

Specified model meets or exceeds the following:

- *ADA*
- *ASSE 1037*
- *CSA B125.3*
- *ICC/ANSI A117.1*
- *CSA B64*
- *CSA B651*
- *OBC*

Colors/Finishes

- CP: Polished Chrome

Specified Model

Model	Description	Colors/Finishes
K-13516	1.6 gpf (6 lpf) exposed flushometer	❑ CP
K-13516-RF	1.6 gpf (6 lpf) exposed flushometer retrofit	❑ CP
K-13517	1.28 gpf (4.85 lpf) exposed flushometer	❑ CP
K-13517-RF	1.28 gpf (4.85 lpf) exposed flushometer retrofit	❑ CP

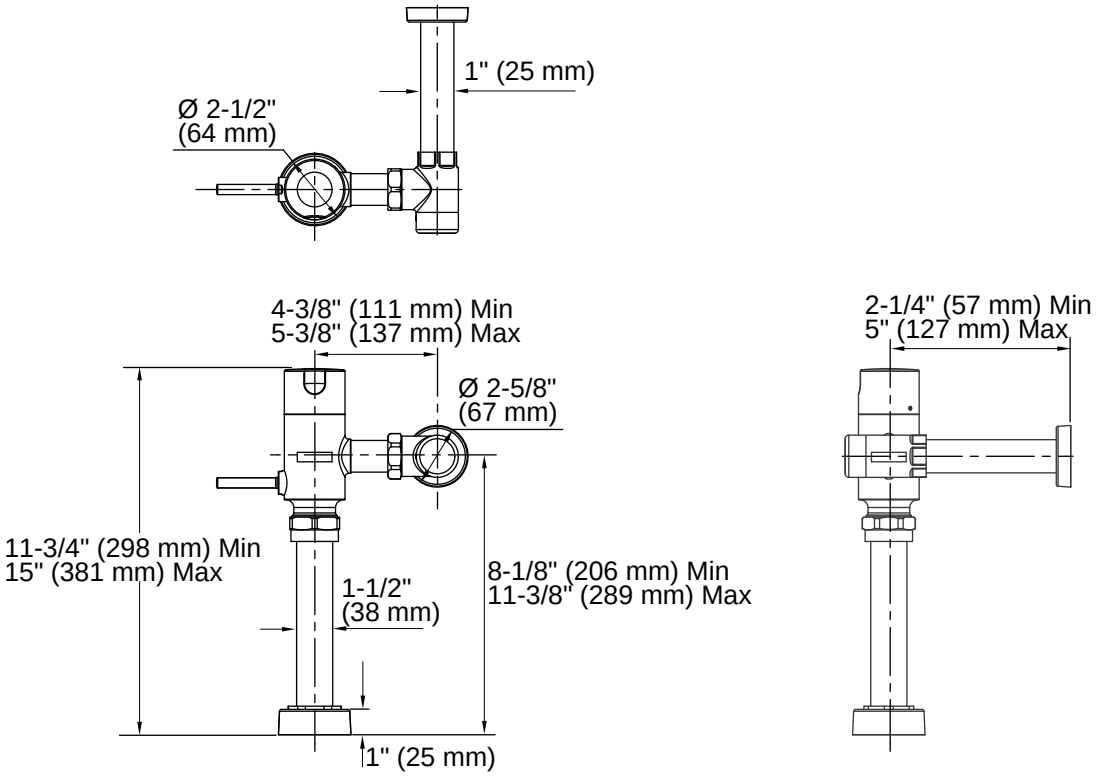
Product Specification

The manual flushometer shall be made of brass construction. Flushometer shall feature non-hold open piston technology for accurate activation. Flushometer shall have a fixture-mount design. Flushometer is intended for toilet installations with a 1-1/2″ spud coupling connection and retrofit models require a control stop and vacuum breaker. Flushometer shall have a 1.28 gpf (4.85 lpf) for low water consumption (K-13517 and K-13517-RF) or 1.6 gpf (6 lpf) for standard water consumption (K-13516 and K-13516-RF). Exposed flushometer shall be Kohler Model K-_____-CP.

USA/Canada: 1-800-4KOHLER
(1-800-456-4537)
www.kohler.com

Installation Notes

Install this product according to the installation guide.



Product Diagram

THE BOLD LOOK OF KOHLER®

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-309-LI_WCL-05

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Toilet Flush Valve
Item Type	Toilet Flush Valve - Manual
Description	Exposed Flush Valve - Manual Operation 1.60 GPF Wall Mounted
Manufacturer	American Standard (Lixil Parent Company)
Model	6047.161.002
Dimensions	Refer to attachment
Color	CP
Finish	Polished Chrome
Material Composition	Brass
Global Specification	Y
CSI #	224200
Omniclass #	22-224200
Quality Standards	Meets ANSI/ASME A112.19.2 ; ASSE 1037
Accessibility Compliance	ADA Compliant
Water Sense	Meets EPA Criteria
Accessories	Cast wall fanges (3/4", 1"&1-1/2"); Solid ring pipe supports (2-1/2"&6"C-E); Split ring pipesupports (2-1/2"&6"C-E)
Part of an Assembly	N
Eco-Feature(s) *as per manufacturer	Water Sence Certified
Flow Rate	1.60 GPF

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 2

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 3

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

AREAS

Public Restrooms
Employee Areas

ALTERNATE MANUFACTURER 4	

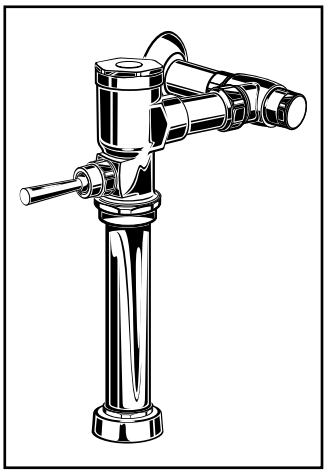
American Standard Inc

Model: Manual Toilet Flush Valve
Model Number: 6047.161.020

Color/Finish: Polished Chrome

American Standard
Style That Works Better

MANUAL TOILET FLUSH VALVE
1.6 GPF



GENERAL DESCRIPTION:
Manual Piston-Type Water Closet Flush Valve for floor-mounted or wall-hung 1-1/2" top spud bowls.

INCLUDES:
- 1" I.P.S. angle stop with back-flow prevention and vandal-resistant cap
- Sweat solder kit including cover tube and wall flange
- High back pressure vacuum breaker with down tube
- Spud coupling & flange for 1-1/2" top spud

PRODUCT FEATURES:
- Self-cleaning brass piston with integral wiper spring prevents clogging and reduces maintenance
- Piston operation delivers superior flush accuracy and repeatability
- Piston valve remains closed and does not need to be reset after loss of water pressure
- Non-hold open handle
- Positive seal ensures leak-free performance
- No external volume adjustment
- Durable chrome-plated cast brass construction is ideal for commercial applications
- Chloramine-resistant EPDM seals
- Adjustable tailpiece for rough-in flexibility
- Can be installed left or right handed
- ADA complaint

MODEL NUMBER:

- ❑ **6047.161.002** Flush Valve for 11-1/2" Supply C\L to top of bowl, 1.6 gpf
- ❑ **6047.162.002** Flush Valve for 27" Supply C\L to top of bowl, 1.6 gpf
- ❑ **6047.565.002** Retrofit for existing flush valves, 1.6 gpf. Replaces industry standard manual & electronic flush valves. Does not include vacuum breaker assembly, angle stop & sweat solder kit.

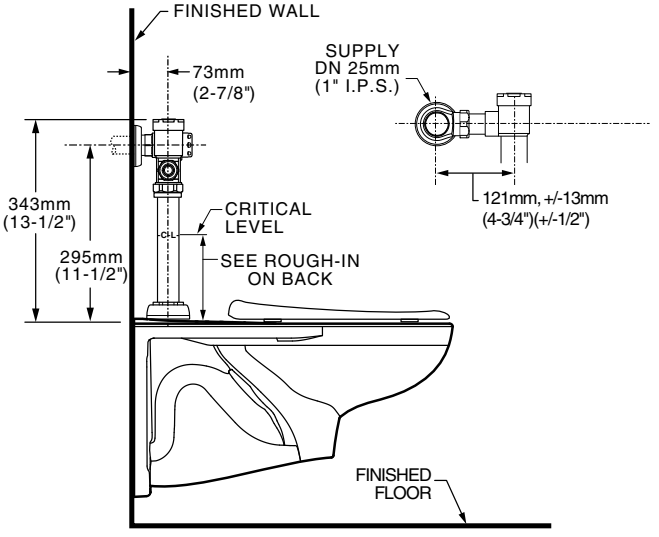
OPERATING PRESSURE:
Overall Range: 20-125 psi**
Recommended: 25 psi (flowing)-80 psi (static)

** Water pressure over 80 psi is not recommended for most plumbing fixtures.

FLOW REQUIREMENT:
25gpm (94.6 L/min.)

ACCESSORIES:
- Cast wall flanges (3/4", 1" & 1-1/2")
- Solid ring pipe supports (2-1/2" & 6" C-E)
- Split ring pipe supports (2-1/2" & 6" C-E)

TYPICAL WATER CLOSET INSTALLATION:
AFWALL™ TOILET SHOWN



RECOMMENDED SPECIFICATION:
Manual toilet flush valve shall feature self-cleaning brass piston valve with integral wiper spring in bypass orifice to prevent clogging. Valve remains closed and does not need to be reset after loss of water pressure. Includes cast brass valve body and cover with chrome finish and vandal resistant stop cap. Includes sweat solder kit with wall flange and cover tube. Angle stop with back-flow protection and vacuum breaker included. 1.6 gpf / 6.0 Lpf Flush valve shall be American Standard Model # 6065.16_.002.

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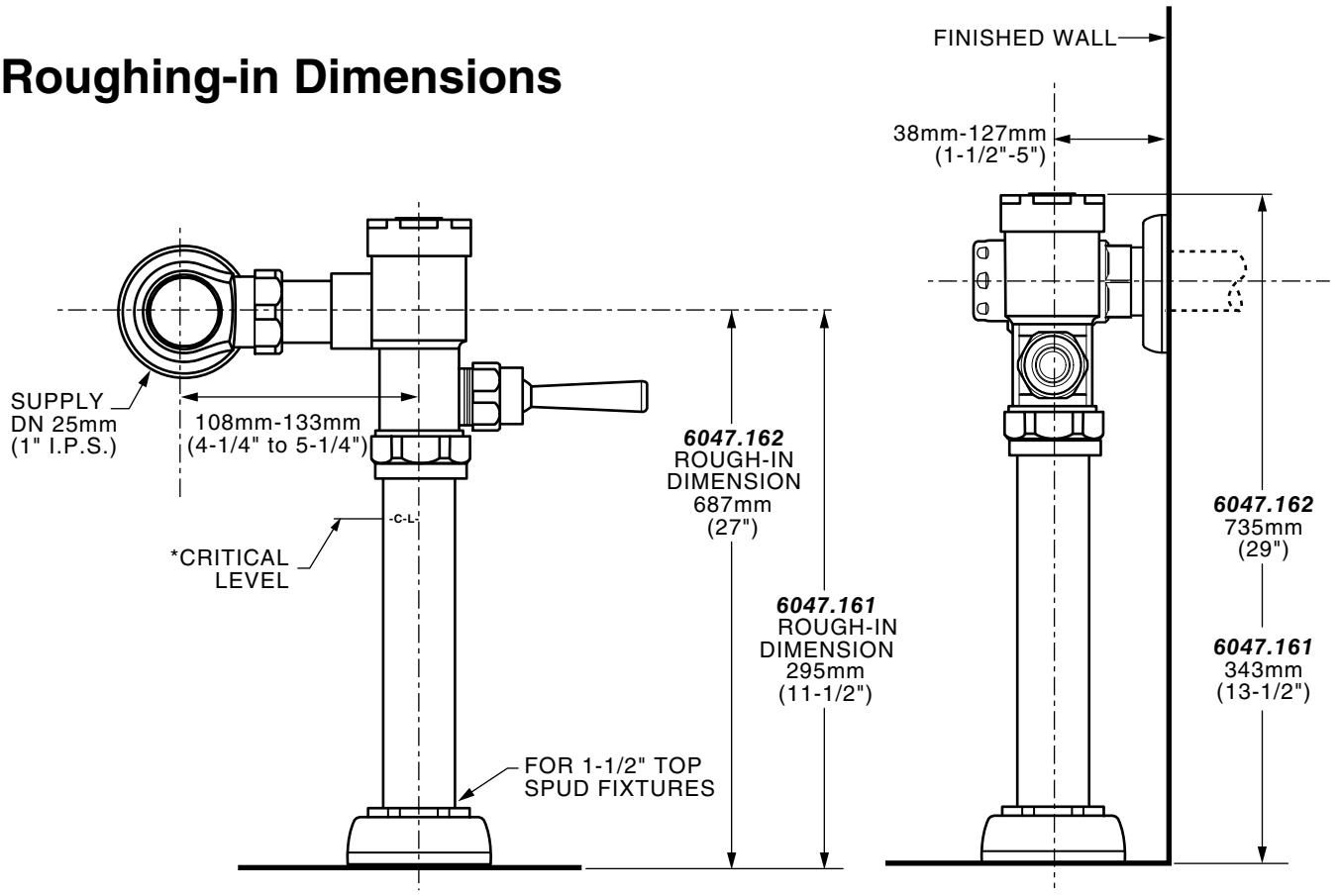
American Standard
Style That Works Better

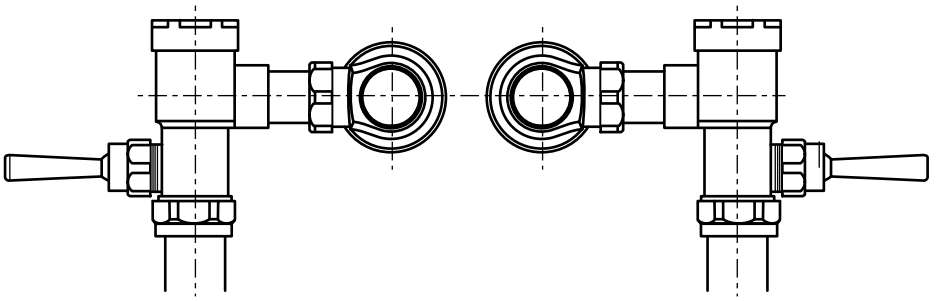
MANUAL TOILET FLUSH VALVE
1.6 GPF

LISTINGS:
- ASSE 1037
- ANSI/ASME A112.19.2
- ADA Compliant

Roughing-in Dimensions



*Note: The Critical Line (-C-L-) on Vacuum Breaker must typically be a minimum of 6" (152mm) above fixture. Consult Codes for details.



Left or Right Hand Installation

MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 REQUIREMENTS FOR ACCESSIBLE AND USABLE BUILDING FACILITIES-CHECK LOCAL CODES

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Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-310-DE_WCL-05

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Flush Valve
Item Type	Flush Valve
Description	Exposed flush valve, sensor operated TECK, ADA compliant, wall mounted, 1.60 GPF
Manufacturer	Delta Faucet Company
Model	81T201BTA
Dimensions	Refer to attachment
Color	Chrome
Finish	Polished
CSI #	224200 - Plumbing Fixtures
Omniclass #	22-224200 Plumbing Fixtures
Quality Standards	CSA Certified, ASSE 1037
Accessibility Compliance	ASME 117.1

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Delta Faucet Company
Contact Name: Emily Mueller
Phone: (210) 870-9932
Email: emily.mueller@deltafaucet.com

ALTERNATE MANUFACTURER 2

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 3

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 4

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

AREAS

Public Restrooms
Employee Areas

Electronic Exposed TECK® Flush Valves

TECK® COMMERCIAL

DELTA

❑ **81T201BTA**
– Exposed Battery Operated
1-1/2" Top Inlet Closet Fixture

- Polished chrome plated vandal resistant metal cover with top mounted sensor operated H_2OPTICS™ electronics
- Right or left-hand supply installation
- ADA compliant, automatic operation battery powered infrared sensor
- Scratch resistant replaceable lens window
- Four (4) size AA alkaline batteries factory installed with valve in sleep mode for easy installation
- Hinged battery housing for easy maintenance
- Low battery flashing light (5000 flushes remaining) with battery strength indicator
- Infrared sensor range adjustment of 610mm-1067mm (24" - 42"), factory set at 34" (±2")
- Optional dual flush setting capability factory set to OFF (dual flush recommended for 6 litre (1.6 US gal) models only)
- Optional 24 hour automatic flush factory set to OFF, 3 second flush delay
- Set-up sensor range adjustment indicator lights
- 6 VDC input, 8 second arming delay
- Electronic operated non-hold-open **metal** manual override button with 5 second lockout
- Quiet action, TECK® exposed diaphragm flush valve
- Chloramine resistant diaphragm
- Forged brass diaphragm retainer
- Renewable seat
- Polished chrome plated finish
- **External water conserving flush adjustment,** factory set at 60 PSI to 6 litre (1.6 US gal.) (except -48 and -6 models)
- **1" FIP/Copper sweat inlet adaptor,** angle check stop with protecting cap
- Adjustable 121mm (4-3/4") plus or minus 11mm (7/16") inlet/valve outlet centers
- Vacuum breaker
- Cover tube, stainless steel wall flange, spud flange, concealed spud nut, and 292mm (11-1/2") outlet tube.

❑ **81T201BTA-6**
Same as 81T201BTA, but **Not Field Adjustable**

❑ **81T201BTA-48**
Same as 81T201BTA, but factory set at 60 PSI to 4.8 litre (1.27 US gal.), **Not Field Adjustable**

❑ **81T221BTA**
Same as 81T201BTA, but with 610 mm (24") outlet tube

❑ **81T221BTA-6**
Same as 81T221BTA, but **Not Field Adjustable**

❑ **81T221BTA-48**
Same as 81T221BTA, but factory set at 60 PSI to 4.8 litre (1.27 US gal.), **Not Field Adjustable**

Approvals:
- CSA certified
- Complies to ASSE 1037
- ADA Compliant and meets Handicapped Accessibility Standard ASME A117.1 of less than 5 lbs. operating force.
- IAPMO listed

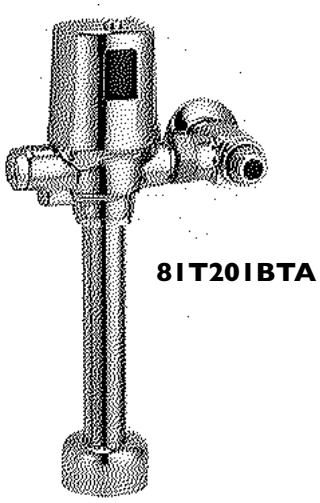
(Contact Delta Representative for State and/or Local Approvals.)

U.S. Patent # 6, 826, 455
Other Patents Pending

Engineer/Architect Approval

Model Specified:

Approval: Date:



81T201BTA

H_2OPTICS™

Electronic Exposed TECK® II Flush Valve Retrofit Kits

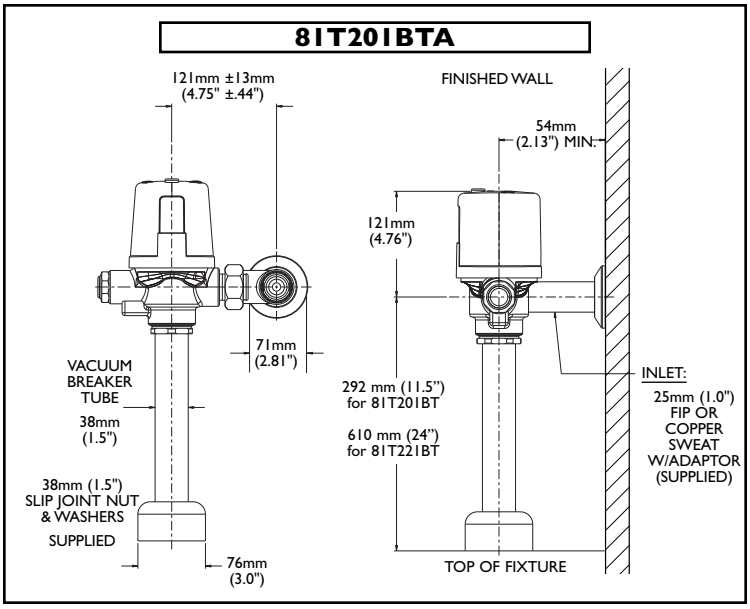
❑ **81T201BTA-20**
Same as 81T201BTA, but LESS stop, cover tube and wall flange

❑ **81T201BTA-20-6**
Same as 81T201BTA-20, but **Not Field Adjustable**

❑ **81T201BTA-20-13**
Same as 81T201BTA-20, but factory set at 60 PSI to 13 litre (3.4 US gal.)

❑ **81T201BTA-20-48**
Same as 81T201BTA-20, but factory set at 60 PSI to 4.8 litre (1.27 US gal.), **Not Field Adjustable**

Note: Measurements may vary ± 6mm (0.25")



Note: For high and low pressure applications, please see page FEA-81T High Water Pressure note for more details.

Verify flow requirements with bowl manufacturer.

Refer to www.specselect.com for individual models.

Note: Use this page as a product submittal sheet.

Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.specselect.com for finish options and product availability.

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-310-KO_WCL-05

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Toilet Flush Valve
Item Type	Toilet Flush Valve - Automatic
Description	"Exposed Flush Valve" Touchless "Wave" Technology 1.60 GPF Wall Mounted
Manufacturer	Kohler
Model	K-10674-SV-CP - Exposed Wave Flush Valve 1.60GPF
Dimensions	Refer to attachment
Color	CP
Finish	Polished Chrome
Material Composition	Brass construction
Global Specification	Y
CSI #	224200
Omniclass #	22-224200
Quality Standards	Meets ASME A112.18.1/CSA B125.1; EN 55022; ICES-003, Class B; CSA B64
Accessibility Compliance	ADA Compliant - ICC/ANSI A117.1
Part of an Assembly	N
Flow Rate	1.60 GPF
Warranty	KOHLER® One-Year Limited Warranty

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 2

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 3

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms

Kohler Company

Model: Exposed Wave Flush Valve 1.60GPF
Model Number: K-10674

Color/Finish: Refer to Plumbing Fixture Matrix

KOHLER. Faucets

WAVE DC 1.6 GPF WC Flushometer
K-10674-SV

Features
- Fixture-mount design.
- Includes 1.5 V AA batteries.

Material
- Brass construction.

Technology
- Electronic infrared sensor with WAVE technology for accurate activation.
- Slow-closing piston technology.

Installation
- Intended for toilet installations with 1-1/2" spud coupling connection.

Optional Accessories
GP1118986 Flushometer Extension Kit
K- 10313 12" Supply Line Sleeve
K- 13716 24" Tailpiece

ADA | **CSA B651** | **OBC**

Codes/Standards
ASME A112.18.1/CSA B125.1
ASSE 1037
ADA
ICC/ANSI A117.1
CSA B651
OBC

KOHLER® One-Year Limited Warranty
See website for detailed warranty information.

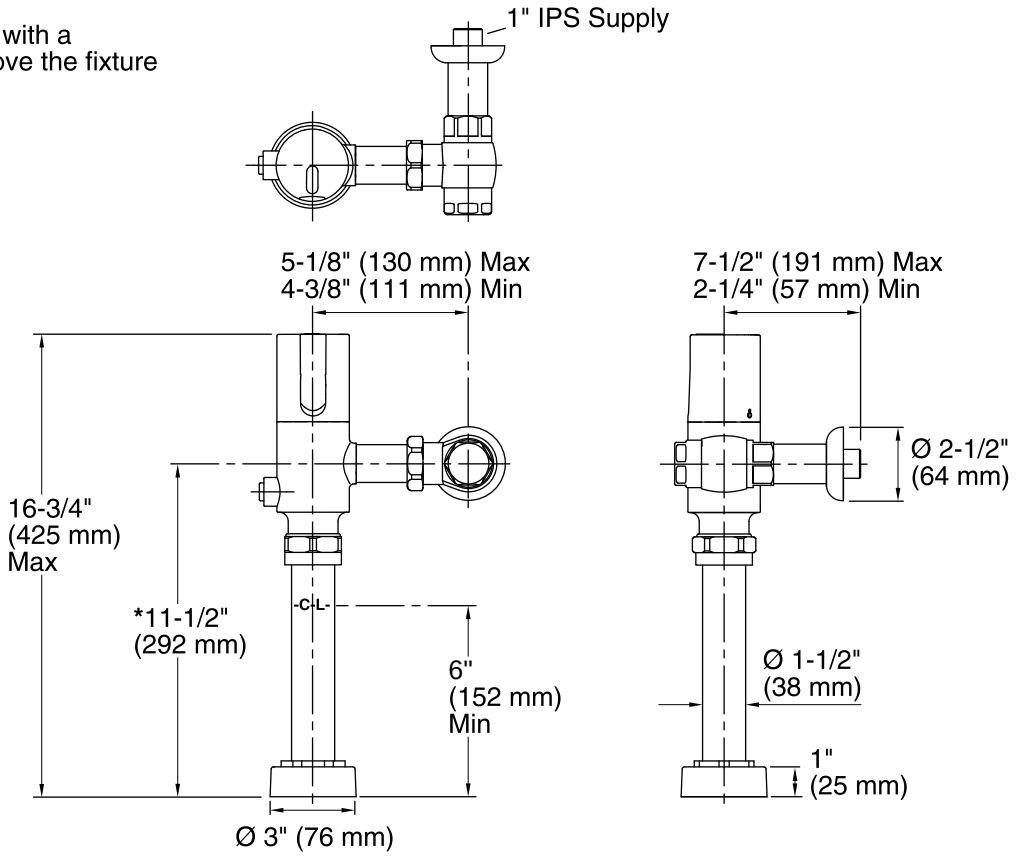
Available Color/Finishes
Color tiles intended for reference only.

Color	Code	Description
	CP	Polished Chrome

KOHLER. Faucets

WAVE DC 1.6 GPF WC Flushometer
K-10674-SV

*10-3/4" (273 mm) minimum with a
6" (152 mm) critical level above the fixture



Technical Information
All product dimensions are nominal.

Pressure and Supply Requirements

Fixture flow rate min:	25 gpm (94.6 lpm)
Fixture pressure max (static):	80 psi (551.6 kPa)
Power source:	AA 1.5 V, included

Notes
Install this product according to the installation guide.

ADA, OBC, CSA B651 compliant when installed to the specific requirements of these regulations.

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-310-LI_WCL-05

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Toilet Flush Valve
Item Type	Toilet Flush Valve - Automatic
Description	Selectronic Sensor Operated, Concealed Flush Valve 1.60 GPF Wall Mounted
Manufacturer	American Standard (Lixil Parent Company)
Model	6065.161.002
Dimensions	Refer to attachment
Color	CP
Finish	Polished Chrome
Material Composition	Brass
Global Specification	Y
CSI #	224200
Omniclass #	22-224200
Quality Standards	Meets ANSI/ASME A112.19.2 ; ASSE 1037
Accessibility Compliance	ADA Compliant
Water Sense	Meets EPA Criteria
Part of an Assembly	N
Eco-Feature(s) *as per manufacturer	Water Sence Certified
Flow Rate	1.60 GPF

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 2

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 3

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms
Employee Areas

American Standard Inc

Model: Selectronic Toilet Flush Valve 1.60 GPF
Model Number: 6065.161.020

Color/Finish: Polished Chrome

American Standard
Style That Works Better

SELECTRONIC™ TOILET FLUSH VALVE
BATTERY POWERED, SENSOR OPERATED, 1.6 GPF

GENERAL DESCRIPTION:
Exposed, Battery Powered, Sensor Operated Selectronic™ Water Closet Flush Valve for floor-mounted or wall-hung 1-1/2" top spud bowls.

Inlet includes 1" I.P.S. angle stop with back-flow protection, vandal-resistant cap, sweat solder kit, cover tube and wall flange.

Outlet includes 1-1/2" vacuum breaker with adjustable tailpiece, spud coupling and flange.

PRODUCT FEATURES:
- Electronic flush valve with Selectronic® proximity system for hygienic "Hands Free" operation
- Self-cleaning piston with integral wiper spring helps prevent clogging and reduces maintenance
- Piston operation delivers superior flush accuracy and repeatability
- Positive seal ensures leak-free performance
- Fully Mechanical Manual Override - allows valve to flush during a power failure
- Fail-Safe Operation - valve automatically closes, and does not need to be reset, on loss of power or water pressure
- Adjustable Sanitary Flush - valve automatically flushes after 24 hours of non-use to clean fixture & maintain trap seal
- Sensor & electronic controls are fully enclosed and water resistant
- Range can be adjusted manually or with optional remote control
- Chemical resistant EPDM seals are unaffected by chloramines
- Factory-installed CR-P2 lithium battery
- No external volume adjustment
- Adjustable tailpiece
- Can be installed left or right-handed
- ADA Compliant

MODEL NUMBER:

- ❑ **6065.161.002** Flush Valve for 11-1/2" Supply C\L to top of bowl, 1.6 gpf
- ❑ **6065.162.002** Flush Valve for 27" Supply C\L to top of bowl, 1.6 gpf
- ❑ **6065.565.002** Retrofit for Existing Flush Valves, 1.6 gpf. Replaces industry standard manual and electronic valves. Does not include the vacuum breaker assembly, angle stop or sweat solder kit.

OPERATING PRESSURE:
Overall Range: 20-125 psi**
Recommended: 25 psi (flowing)-80 psi (static)

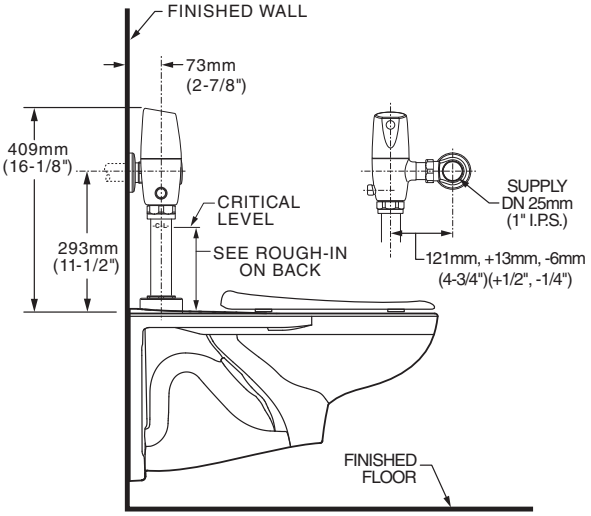
FLOW REQUIREMENT:
25gpm (94.6 L/min.)

** Water pressure over 80 psi is not recommended for most plumbing fixtures.

BATTERY LIFE:
200,000 cycles (4 years @ 4000 cycles per month)

ACCESSORIES:
- Cast wall flanges (1" & 1-1/2")
- Solid ring pipe supports (2-1/2" & 6" C-E)
- Split ring pipe supports (2-1/2" & 6" C-E)

TYPICAL WATER CLOSET INSTALLATION:
AFWALL™ TOILET SHOWN



MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 REQUIREMENTS FOR ACCESSIBLE AND USABLE BUILDING FACILITIES-CHECK LOCAL CODES

RECOMMENDED SPECIFICATION:
Electronic proximity infrared sensor activated toilet flush valve shall feature self-cleaning piston valve with integral wiper spring in refill orifice to prevent clogging. Includes a fully mechanical manual over-ride that can provide a complete flush without battery power. Includes cast brass valve body and metal cover with chrome finish, vandal resistant stop cap and lithium battery. Angle stop with back-flow protection and vacuum breaker included. 1.6 gpf / 6.0 Lpf. Flush valve shall be American Standard Model # 6065.16_.002, 6065.565.002.

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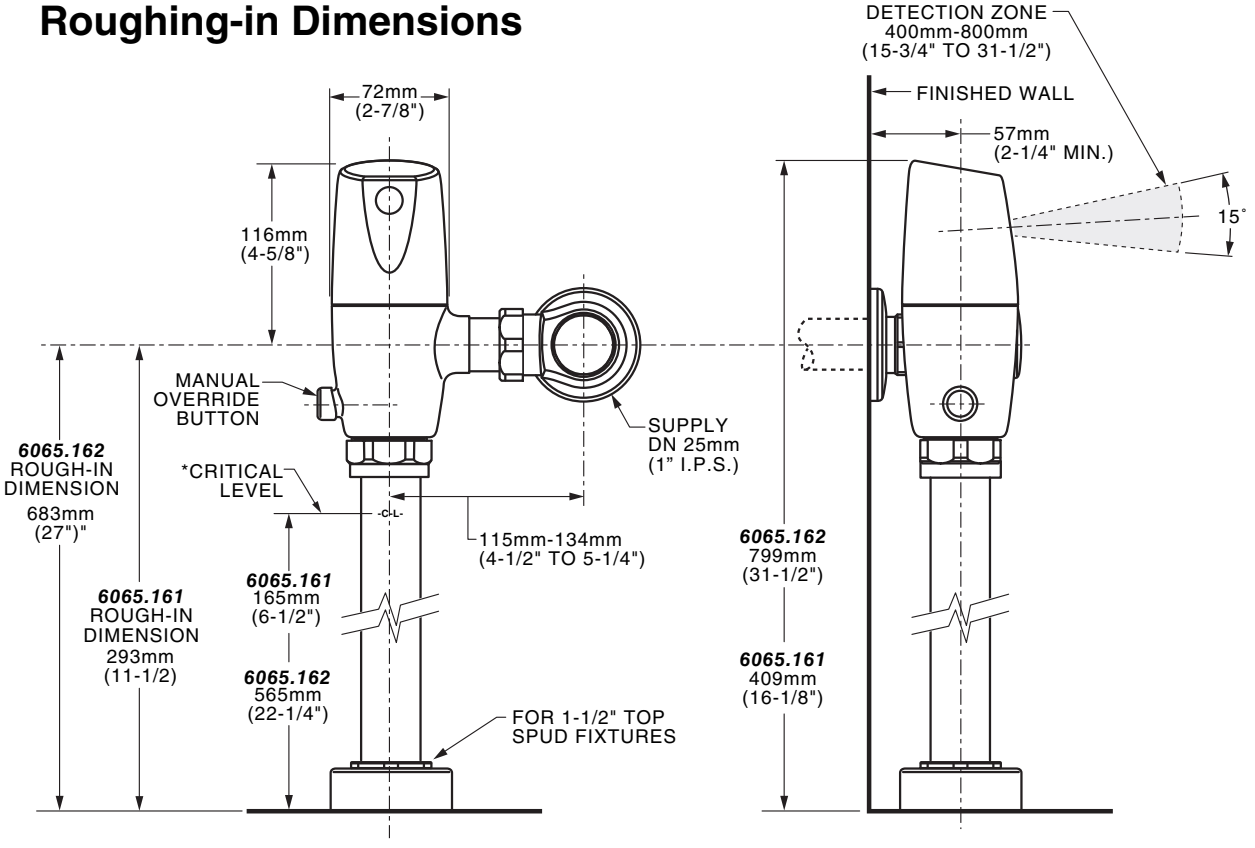
American Standard
Style That Works Better

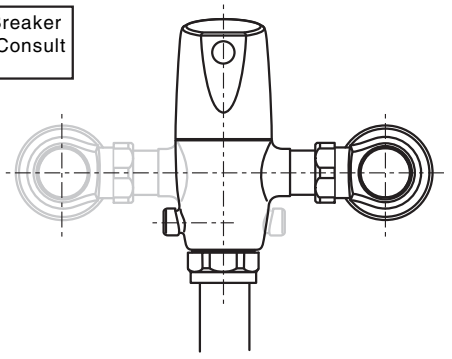
SELECTRONIC™ TOILET FLUSH VALVE
BATTERY POWERED, SENSOR OPERATED, 1.6 GPF

LISTINGS:
- ASSE 1037
- ANSI/ASME A112.19.2
- ADA Compliant

Roughing-in Dimensions



*Note: The Critical Line (-C-L-) on Vacuum Breaker must typically be 6" (152mm) above fixture. Consult Codes for details.



Right or Left Hand Installation

MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 REQUIREMENTS FOR ACCESSIBLE AND USABLE BUILDING FACILITIES-CHECK LOCAL CODES

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Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-310-MO_WCL-05

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Toilet Flush Valve
Item Type	Toilet Flush Valve - Automatic
Description	M-Power Sensor Operated Concealed Flush Valve, ADA Compliant, 1.60 GPF, Wall Mounted
Manufacturer	Moen
Model	8310 - Battery Powered Exposed Style Closet Flush Valve
Dimensions	Refer to attachment
Color	CP
Finish	Polished Chrome
Material Composition	Brass construction
Global Specification	Y
CSI #	224200 Plumbing Fixtures
Omniclass #	22-224200 Plumbing Fixtures
Quality Standards	Meets ASME A112.19.2M ; ASSE 1037
Accessibility Compliance	ADA Compliant - ICC/ANSI A117.1
Part of an Assembly	N
Flow Rate	1.60 GPF
Warranty	Warranted for 5 years against material or manufacturing defects

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 2

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 3

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

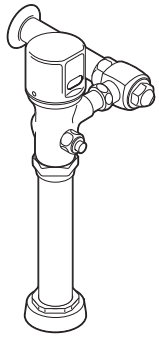
ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms

MOEN®
COMMERCIAL

Specifications



1-1/2 " Battery Powered Exposed Style Closet Flush Valve

Model: 8310

PRODUCT DESCRIPTION
- Brass construction w/chrome plated finish
- 1" IPS supply
- 1-1/2" top spud

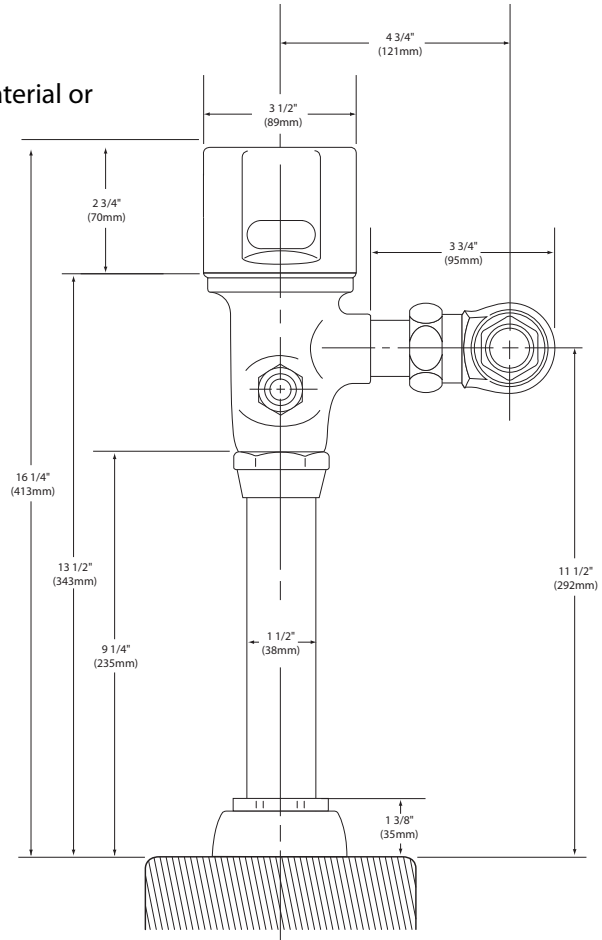
OPERATION
- Adjustable sensor eyes
- Battery powered (4) standard AA (included)
- Average battery life 250,000 cycles
- Self-diagnostic electronics
- Piston flushing mechanism
- Self cleaning filter system
- Low battery indicator light

FLOW
- Operating pressures 10 to 125 psi
- 1.6 gpf (gallons per flush)
- 24 hour sentinel flush
- Manual override button

VALVE
- 1" IPS angle stop (vandal resistant)
- Adjustable installation (left or right connection)

STANDARDS
- Third party certified by IAPMO and CSA to meet ASME A112.19.2M and all applicable requirements referenced therein and complies with requirements of ASSE 1037
- **ADA**

WARRANTY
- Warranted for 5 years against material or manufacture defects.



CRITICAL DIMENSIONS

(DO NOT SCALE)

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-311-KO_WCL-05

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Toilet Flush Valve
Item Type	Toilet Flush Valve - Automatic
Description	"Exposed Flush Valve" Touchless "Wave" Technology 1.28 GPF Wall Mounted
Manufacturer	Kohler
Model	K-10673-SV-CP - Exposed Wave Flush Valve 1.28GPF
Dimensions	Refer to attachment
Color	CP
Finish	Polished Chrome
Material Composition	Brass construction
Global Specification	Y
CSI #	224200
Omniclass #	22-224200
Quality Standards	Meets ASME A112.18.1/CSA B125.1; EN 55022; ICES-003, Class B; CSA B64
Accessibility Compliance	ADA Compliant - ICC/ANSI A117.1
Water Sense	Meets EPA Criteria
Part of an Assembly	N
Eco-Feature(s) *as per manufacturer	Water Sense Certified
Flow Rate	1.28 GPF
Warranty	KOHLER® One-Year Limited Warranty
Notes	Alternate for Water Conservation to be used with 1.28 GPF Water Closet

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 2

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 3

Vendor Name: Lixil - Grohe, American Standard, DXV

AREAS

Public Restrooms
Employee Areas

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Contact Name: Stephanie Weston Phone: (302) 518-1704 Email: stephanie.weston@lixil.com	
ALTERNATE MANUFACTURER 4 Vendor Name: TOTO USA Inc Contact Name: Rich Lussier Phone: 773-706-3945 Email: rlussier@toto.com	

Kohler Company

Model: Exposed Wave Flush Valve 1.28GPF
Model Number: K-10673

Color/Finish: Refer to Plumbing Fixture Matrix

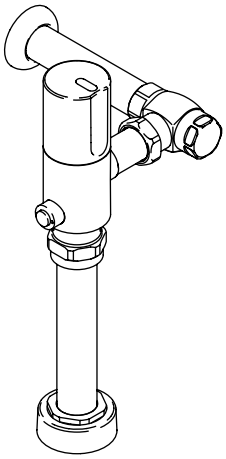
KOHLER FAUCETS

Features

- *Brass construction*
- *Fixture-mount design*
- *Includes a 9 V lithium battery*
- *Intended for toilet installations with 1-1/2″ spud coupling connection*
- *Electronic infrared sensor with WAVE technology for accurate activation*
- *Retrofit models require a control stop and vacuum breaker*
- *1.28 gpf (4.8 lpf) flush flow rate for low water consumption [-10673]*
- *1.6 gpf (6 lpf) flush flow rate [K-10674 and K-10677]*

EXPOSED WAVE FLUSH VALVE
K-10673
ALSO K-10674, K-10677

ADA



Codes/Standards Applicable

Specified model meets or exceeds the following:

- *ASSE 1037*
- *CSA B64*
- *ADA*
- *FCC 47, Part 15*
- *EN 55022*
- *ASME A112.18.1/CSA B125.1*
- *ICES-003, Class B*
- *ICC/ANSI A117.1*

Colors/Finishes

- CP: Polished Chrome

Specified Model:

Model	Description	Colors/Finishes
K-10673	Exposed WAVE flush valve – 1.28 gpf (4.8 lpf)	❑ CP
K-10674	Exposed WAVE flush valve – 1.6 gpf (6 lpf)	❑ CP
K-10677	Exposed WAVE flush valve retrofit – 1.6 gpf (6 lpf)	❑ CP

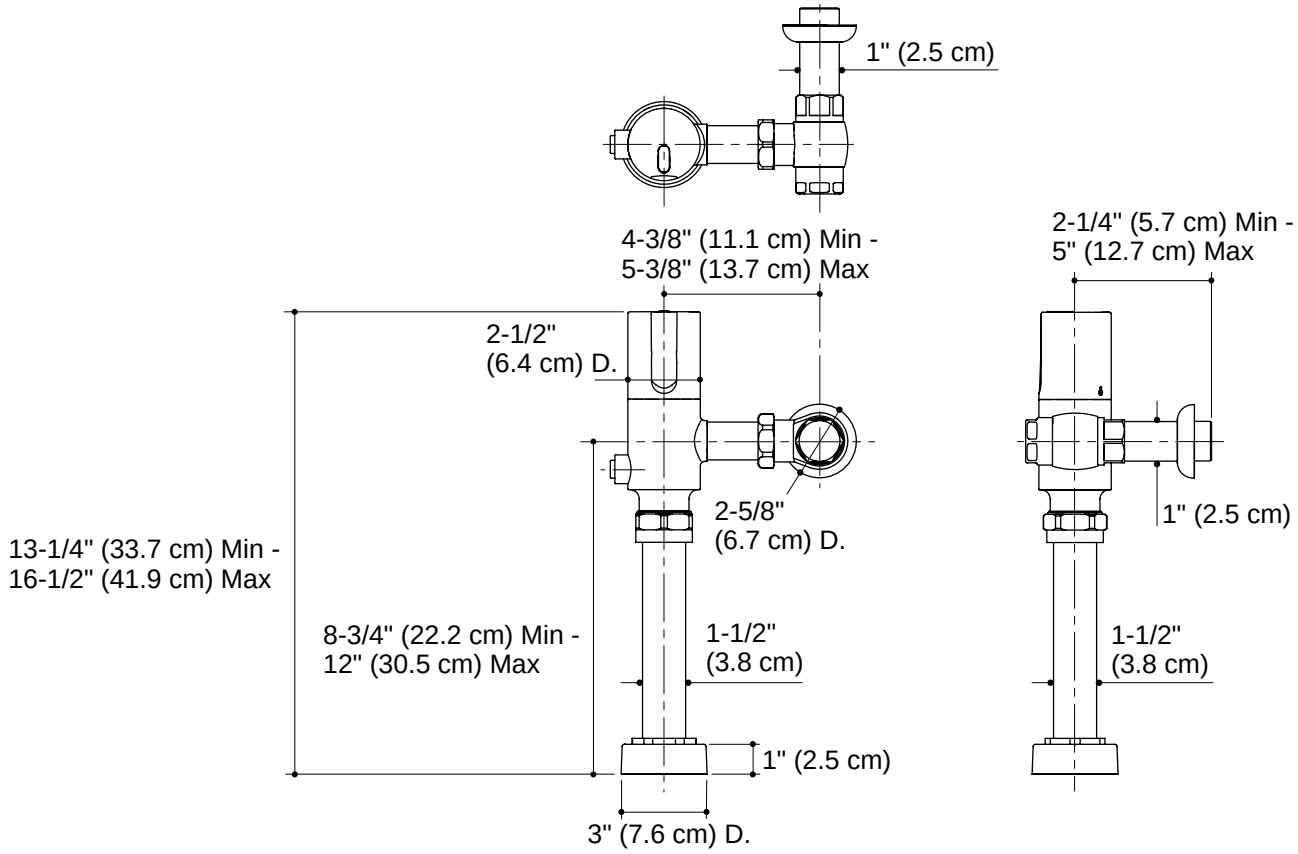
PRODUCT SPECIFICATION

Electronic flush valve shall be made of brass construction. Valve shall feature electronic infrared sensor with WAVE technology for accurate activation. Valve shall be of a fixture-mount design. Product is intended for toilet installations with a 1-1/2″ spud coupling connection, and retrofit models require a control stop and vacuum breaker. Valve shall have a 1.28 gpf (4.8 lpf) flow rate for low water consumption [K-10673] or 1.6 gpf (6 lpf) flow rate [K-10674 and K-10677]. Valve includes a 9 V lithium battery. Product shall be Kohler Model K-_____-CP.

USA/Canada: 1-800-4KOHLER
(1-800-456-4537)
www.kohler.com

Installation Notes

Install this product according to the installation guide.



Product Diagram

THE BOLD LOOK OF KOHLER®

WCL-06 Public and BOH Employee Restroom Water Closet

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-308-CH_WCL-06

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Closet Seat
Item Type	Closet Seat
Description	Elongated Seat, Open Front w/ No Cover. "Just-Lift" Integrated Hinge system. "Sta-Tite" Fastening System
Manufacturer	Bemis
Model	2155CTJ
Dimensions	Refer to attachment
Color	White
Material Composition	SOLID PLASTIC
Global Specification	Y
CSI #	224200
Omniclass #	22-224200
Part of an Assembly	N

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Church Seats, Bemis Manufacturing Company
Contact Name: Customer Service
Phone: 800.558.7651
Email: corp@BemisMfg.com

ALTERNATE MANUFACTURER 2

Vendor Name: TOTO USA Inc
Contact Name: Rich Lussier
Phone: 773-706-3945
Email: rlussier@toto.com

ALTERNATE MANUFACTURER 3

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 4

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

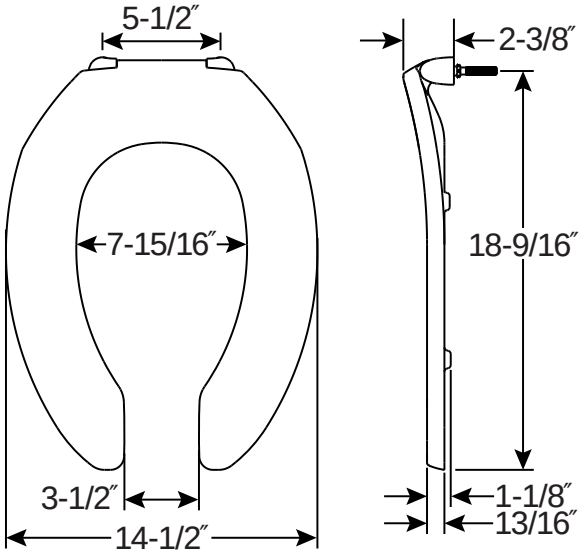
AREAS

Public Restrooms
Employee Areas

BEMIS COMMERCIAL

2155CTJ

COMMERCIAL HEAVY-DUTY
PLASTIC TOILET SEAT



FEATURES:

- **STA-TITE®**
  Commercial Fastening System™
  Eliminates callbacks for loosened seats
- **JUST•LIFT®**
  Provides 1-½″ lift height for enhanced cleanability
- **DuraGuard® Antimicrobial ***
  Built-In Seat Protection™

** DuraGuard Antimicrobial does not protect users against bacteria, viruses, or other disease organisms. Always clean and wash this product thoroughly before and after each use.*

SPECIFICATIONS:

Size: Elongated

Material: Plastic

Style: Open Front less Cover

Ring Bumpers: Four

Hinges: Plastic Just•Lift® Check Hinges with Non-Corroding 300 Series Stainless Steel Posts and Pintles

Hardware: STA-TITE® Commercial Fastening System™

Codes & Standards: Complies with IAPMO/ANSI Z124.5 Performance Standards Heavy-Duty Commercial

Proudly Made in the USA

Eco-Friendly

Bemis Manufacturing Co. reserves the right to make revisions without notice to product specifications.
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Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-308-KO_WCL-06

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Closet Seat
Item Type	Closet Seat
Description	"Stronghold" Open Front w/ No Cover
Manufacturer	Kohler
Model	K-4731-C-0 Stronghold Toilet Seat
Dimensions	Refer to attachment
Color	White
Material Composition	Solid polypropylene plastic
Global Specification	Y
CSI #	224200 Plumbing Fixtures
Omniclass #	22-224200 Plumbing Fixtures
Quality Standards	NA
Accessibility Compliance	Meets ADA
Part of an Assembly	N
Warranty	KOHLER® One-Year Limited Warranty

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 2

Vendor Name: Church Seats, Bemis Manufacturing Company
Contact Name: Customer Service
Phone: 800.558.7651
Email: corp@BemisMfg.com

ALTERNATE MANUFACTURER 3

Vendor Name: TOTO USA Inc
Contact Name: Rich Lussier
Phone: 773-706-3945
Email: rlussier@toto.com

ALTERNATE MANUFACTURER 4

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

AREAS

Public Restrooms
Employee Areas

KOHLER®

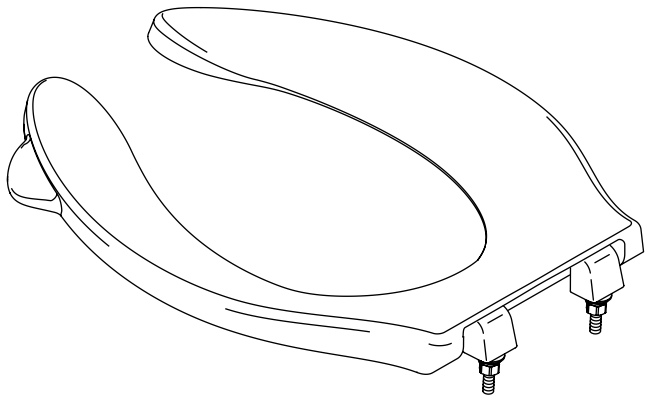
STRONGHOLD™

COMMERCIAL TOILET SEAT
K-4731

ADA

Features

- *Solid polypropylene plastic*
- *Elongated open-front*
- *Ergonomic contour adds additional comfort*
- *Integrated handle allows user to easily raise and lower the ring*
- *Less cover*
- *ADA compliant when installed with an ADA compliant toilet*
- *Anti-microbial agent inhibits growth of odor-causing bacteria, mold, and mildew [-CA, -GA, -SA]*
- *Check hinge stops seat from leaning back and applying pressure on tank/flushometer [-C, -CA]*
- *Self-sustaining check hinge prevents slamming with check hinge functionality [-SC, -SA]*
- *Quiet-Close™ check hinge will slowly close with check hinge functionality [-GC, -GA]*



Codes/Standards Applicable

Specified model meets or exceeds the following:

- *ADA*
- *ANSI Z124.5*

Colors/Finishes

- 0: White
- 7: Black Black™

Specified Model

Model	Description	Colors/Finishes	
K-4731-C	Elongated open-front seat – check hinge	❑ 0	❑ 7
K-4731-CA	Elongated open-front seat – check hinge and anti-microbial agent	❑ 0	
K-4731-GC	Elongated open-front seat – Quiet-Close™ check hinge	❑ 0	❑ 7
K-4731-GA	Elongated open-front seat – Quiet-Close™ check hinge and anti-microbial agent	❑ 0	
K-4731-SC	Elongated open-front seat – self-sustaining check hinge	❑ 0	❑ 7
K-4731-SA	Elongated open-front seat – self-sustaining check hinge and anti-microbial agent	❑ 0	

Product Specification

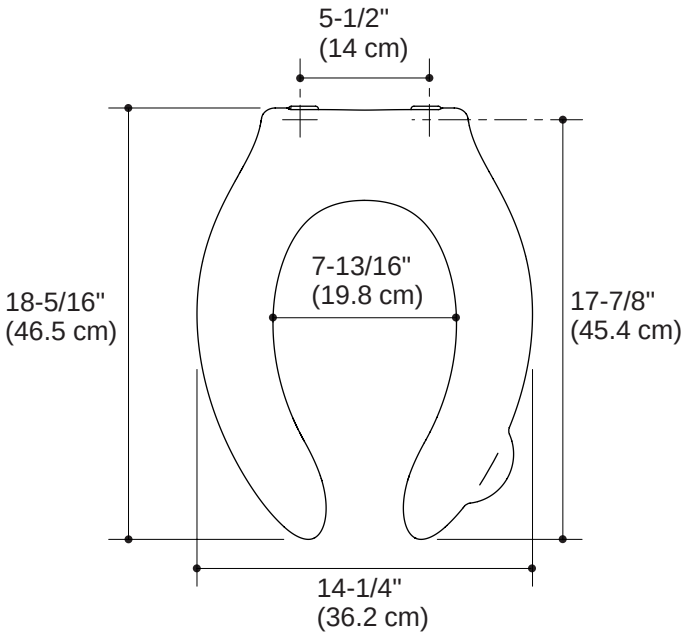
The elongated open-front toilet seat shall be made of solid polypropylene plastic. Product shall be less cover. Product shall feature an ergonomic contour which adds additional comfort. Product shall feature an integrated handle which allows the user to easily raise and lower the ring. Product shall feature an anti-microbial agent which inhibits growth of odor-causing bacteria, mold, and mildew [-CA, -GA, -SA]. Product shall feature a check hinge which stops the seat from leaning back and applying pressure on the tank/flushometer [-C, -CA]. Product shall feature a self-sustaining check hinge which prevents slamming with check hinge functionality [-SC, -SA]. Product shall feature a Quiet-Close™ check hinge which will slowly close with check hinge functionality [-GC, -GA]. Product shall be ADA compliant when installed with an ADA compliant toilet. Toilet seat shall be Kohler Model K-4731-____-____.

USA: 1-800-4-KOHLER
Canada: 1-800-964-5590
kohler.com

STRONGHOLD™

Installation Notes

Install this product according to the installation guide.



Product Diagram

THE BOLD LOOK OF KOHLER®

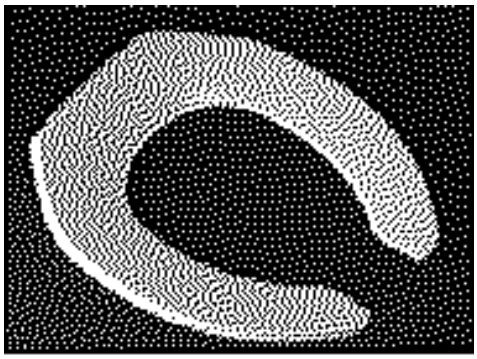
Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-308-LI_WCL-06

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Toilet Seat
Item Type	Toilet Seat
Description	Open front toilet seat less cover Fits elongated bowl
Manufacturer	American Standard (Lixil Parent Company)
Model	5901.100.020 - Toilet Seat-BOH
Dimensions	Refer to attachment
Color	White
Material Composition	Solid polypropylene
Part of an Assembly	N



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 2

Vendor Name: Church Seats, Bemis Manufacturing Company
Contact Name: Customer Service
Phone: 800.558.7651
Email: corp@BemisMfg.com

ALTERNATE MANUFACTURER 3

Vendor Name: TOTO USA Inc
Contact Name: Rich Lussier
Phone: 773-706-3945
Email: rlussier@toto.com

ALTERNATE MANUFACTURER 4

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

AREAS

Public Restrooms
Employee Areas

American Standard Inc

Model: Toilet Seat-BOH

Model Number: 5901.100.020

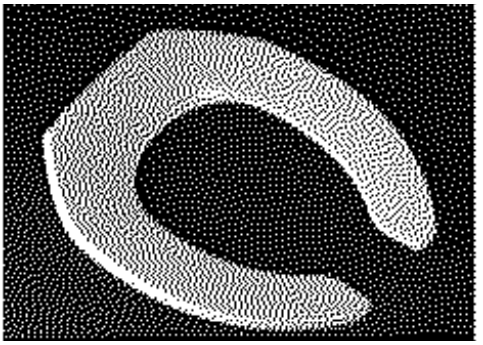
Color/Finish: White

American Standard

COMMERCIAL TOILET SEATS

COMMERCIAL TOILET SEATS

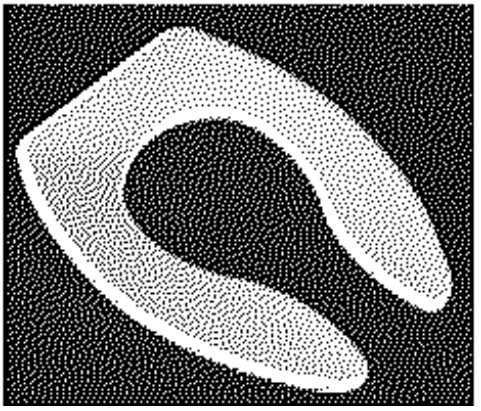
- Open front toilet seat less cover
- Injection molded solid polypropylene
- Fits elongated bowl
- Features large molded-in bumpers
- External check hinge with 304 Series stainless steel hinge posts stops seat 11° beyond vertical
- Optional EverClean™ antimicrobial surface inhibits the growth of stain and odor causing bacteria, mold, and mildew



5901

❑ **5901.100** Elongated Heavy Duty bowl open front seat less cover

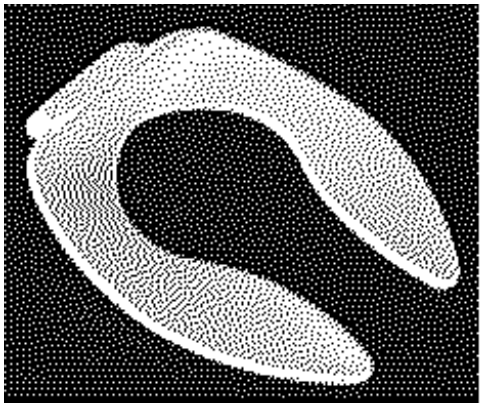
❑ **5901.110** Same as 5901.100 with EverClean™ Surface



5905

❑ **5905.100** Elongated Extra Heavy Duty bowl open front seat less cover

❑ **5905.110** Same as 5905.100 with EverClean™ Surface



5910

❑ **5910.100** Elongated Extra Heavy Duty Plus bowl open front seat less cover

❑ **5910.110** Same as 5910.100 with EverClean™ Surface

SEE REVERSE FOR ROUGHING-IN DIMENSIONS

To Be Specified:
❑ Color: ❑ White

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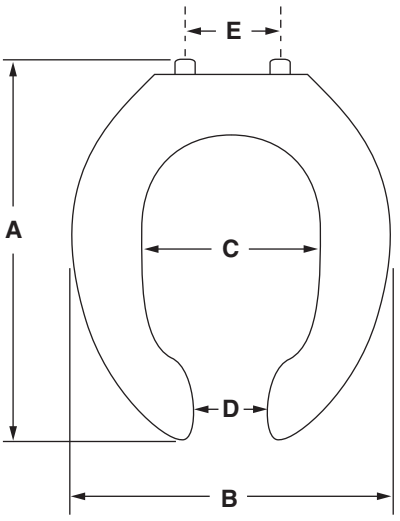
American Standard

COMMERCIAL TOILET SEATS



Model #	5901	5905	5910
A	18-9/16" (471mm)	18-9/16" (471mm)	18-3/16" (462mm)
B	14-3/8" (365mm)	14-3/16" (360mm)	14-3/16" (360mm)
C	7-7/8" (200mm)	7-5/8" (194mm)	7-7/8" (200mm)
D	3-1/2" (89mm)	3" (76mm)	3-1/2" (89mm)
E	5-1/2" (140mm)	5-1/2" (140mm)	5-1/2" (140mm)
Ring Thickness	7/8" (22mm)	1" (25mm)	1" (25mm)
Ring Thickness with Bumper	1" (25mm)	1-1/8" (29mm)	1-1/8" (29mm)

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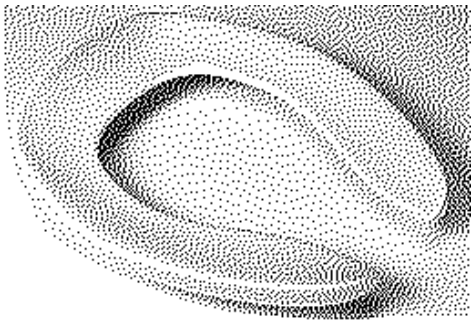
Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-308-TO_WCL-06

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Closet Seat
Item Type	Closet Seat
Description	Elongated open front toilet seat
Manufacturer	TOTO USA Inc
Model	SC534
Dimensions	18 5/8"L x 14 3/4"W
Color	#01 Cotton
Material Composition	Solid polypropylene plastic
Global Specification	Y
CSI #	224200
Omniclass #	22-224200
Part of an Assembly	Y
Warranty	One Year limited warranty
Notes	Mounting hardware included



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: TOTO USA Inc
Contact Name: Rich Lussier
Phone: 773-706-3945
Email: rlussier@toto.com

ALTERNATE MANUFACTURER 2

Vendor Name: Church Seats, Bemis Manufacturing Company
Contact Name: Customer Service
Phone: 800.558.7651
Email: corp@BemisMfg.com

ALTERNATE MANUFACTURER 3

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 4

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

AREAS

Public Restrooms
Employee Areas

TOTO®

SC534

Commercial Seat

FEATURES

- Elongated open front toilet seat
- Mounting hardware included

MODELS

- SC534

COLORS/FINISHES

- #01 Cotton

SPECIFICATIONS

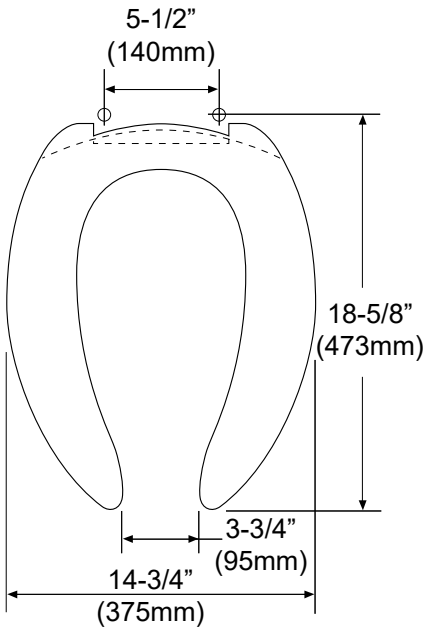
• Warranty	1-year limited warranty
• Material	Polypropylene
• Shipping Weight	6 lbs.
• Shipping Dimensions	18-1/2" x 14-1/2" x 3"

PRODUCT SPECIFICATION

Seat shall be model # SC534_____ Seat shall be solid plastic with open front seat. Seat shall have integral bumpers. Hinges to be color matched with noncorrosive nylon stud and nut.

PLEASE NOTE:

Cannot be installed with the following models: MS874114S(G), MS884114, MS914114, MS904114, CST774S, CST804S, CST414M, CST416M, CST464MF, CST412MF, & CST412MF.10. CST794EF and CST794SF



TOTO®

These dimensions and specifications are subject to change without notice

Ph: (888) 295-8134 | Fax: (800) 699-4889 | www.totousa.com

SS-00340 v.06

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Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-309-DE_WCL-06

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Flush Valve
Item Type	Flush Valve
Description	Exposed flush valve, manual operation, ADA compliant, wall mounted, 1.60 GPF
Manufacturer	Delta Faucet Company
Model	81T201
Dimensions	Refer to attachment
Color	Chrome
Finish	Polished
CSI #	224200 - Plumbing Fixtures
Omniclass #	22-224200 Plumbing Fixtures
Quality Standards	CSA Certified, ASSE 1037
Accessibility Compliance	ASME 117.1

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Delta Faucet Company
Contact Name: Emily Mueller
Phone: (210) 870-9932
Email: emily.mueller@deltafaucet.com

ALTERNATE MANUFACTURER 2

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 3

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 4

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

AREAS

Public Restrooms
Employee Areas

Flush Valves

Exposed Flush Valves-Manual Operation

Model No: 81T201

COMPLIES WITH:

- CSA certified.
- Complies to ASSE 1037
- IAPMO listed
- ADA compliant and meets Handicapped Accessibility Standard ASME 117.1 of less than 5 lbs operating force
- (Contact Delta Representative for State and/or Local Approvals)

SPECIFICATION:

- Quiet action, Teck® exposed diaphragm flush valve
- polished chrome plated finish
- vandal resistant cover screw
- metal "non hold open" ADA Compliant oscillating handle
- vacuum breaker
- renewable seat
- *Chloramine resistant diaphragm attached to guide with forged metal retainer.
- spud flange and concealed spud nut
- For Water Closets with 1-1/2" top spud
- maximum 292mm(11 1/2") from centerline of valve inlet to top of water closet, except -1 trap seal models which are maximum 11 3/4"
- 1" FIP/Copper sweat inlet adaptor for angle check stop with protecting cap
- adjustable 121mm (4.75”) plus or minus 11mm (7/16”) inlet/valve outlet centers
- external water conserving flush volume adjustment unless -6 variation selected which is Not Field Adjustable
- Cover tube and wall flange
- 6 Litre(1.6 US Gal.)Factory set Flush - Field Adjustable

OPERATION:

- Not Available

(Dimensional drawing on following page)

Delta reserves the right (1) to make changes to specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference. Measurement may vary plus or minus 6mm(0.25"). Mounting locations are suggested only. Check with local codes for requirements in your area.

Delta Faucet Company - 55 East 111th St. - Indianapolis, Indiana, USA 46280 - (317) 848-1812
Delta Faucet Canada - 395 Matheson Blvd E - Mississauga, Ontario, Canada L4Z 2H2 - (905) 712-3030

Model No: 81T201

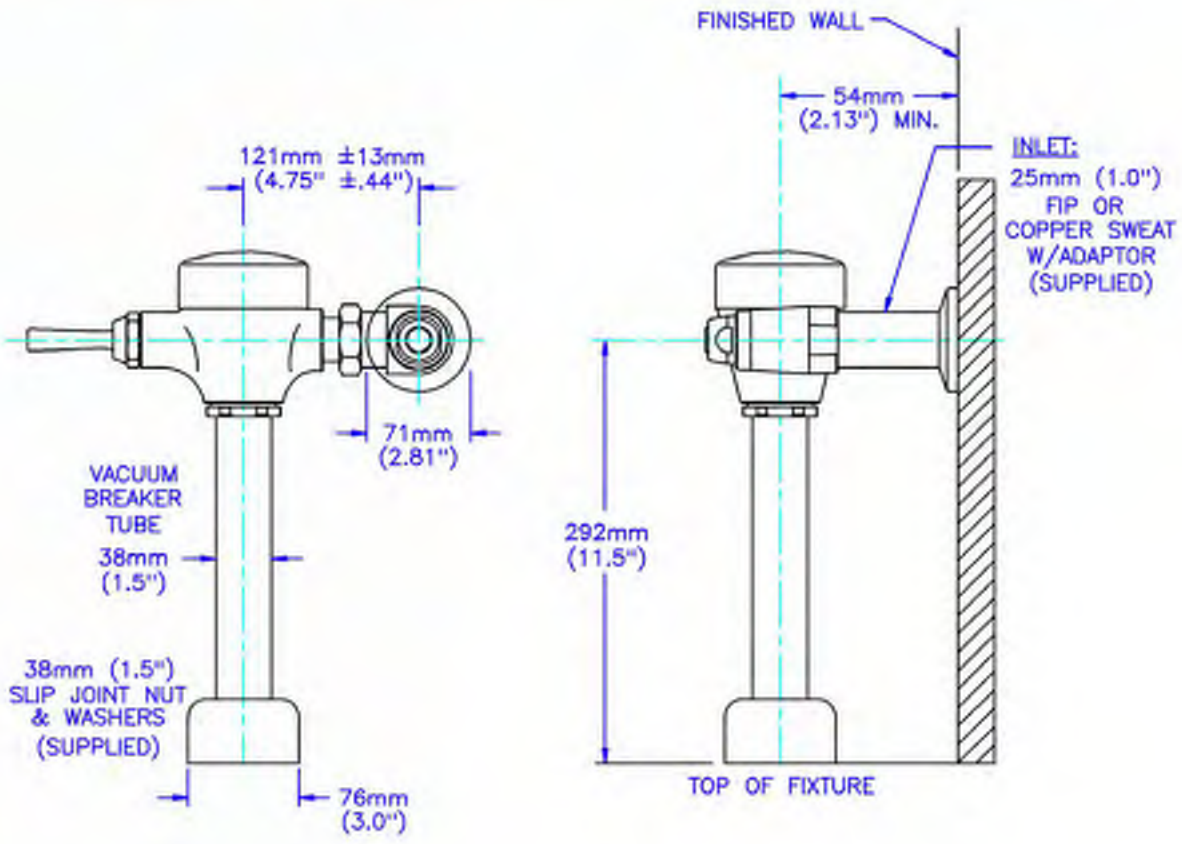
- FACTORY SET FOR 6.0 LITRE (1.6 US GAL.) FLUSH AT 60 PSI
- FIELD ADJUSTABLE FLUSH FROM 4.8L TO 25L (1.27 TO 6.6 US GAL.)

THE RECOMMENDED FLUSH VALVE OPERATING PRESSURE RANGE IS BETWEEN 35 & 65 PSI. PRESSURES OVER 75PSI LEAD TO AN INCREASE IN NOISE, WATER COULD SPLASH OUT OF THE FIXTURE MORE EASILY, AND THE LIFE OF ANY PLUMBING VALVE MAY BE SHORTENED.

FOR PRESSURES OVER 75PSI, A PRESSURE REDUCING VALVE IS RECOMMENDED.

FLUSH VALVES DO NOT PROVIDE A WATER SUPPLY; THEY ARE MERELY AUTOMATICALLY TIMED SELF-CLOSING VALVES. THE INLET SUPPLY PIPING IS THE WATER RESERVOIR THAT MUST SUPPLY SUFFICIENT WATER VOLUME IN A SHORT PERIOD OF TIME TO PROPERLY FLUSH THE FIXTURE.

WE STRONGLY RECOMMEND THAT PIPING CALCULATIONS BE DONE FOE ALL INSTALLATIONS TO INSURE PROPER WATER SUPPLY SIZES. CALL TECHNICAL SERVICE FOR DETAILS.



Delta reserves the right (1) to make changes to specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference. Measurement may vary plus or minus 6mm(0.25"). Mounting locations are suggested only. Check with local codes for requirements in your area.

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-309-KO_WCL-06

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Toilet Flush Valve
Item Type	Toilet Flush Valve - Manual
Description	Exposed Flush Valve - Manual Operation ADA Compliant 1.60 GPF Wall Mounted
Manufacturer	Kohler
Model	K-13516-CP
Dimensions	Refer to attachment
Color	CP
Finish	Polished Chrome
Material Composition	Brass construction
Global Specification	Y
CSI #	224200
Omniclass #	22-224200
Quality Standards	Meets ASME A112.18.1/CSA B125.1; EN 55022; ICES-003, Class B; CSA B64
Accessibility Compliance	ADA Compliant - ICC/ANSI A117.1
Part of an Assembly	N
Flow Rate	1.60 GPF
Warranty	KOHLER® One-Year Limited Warranty

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 2

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 3

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms
Employee Areas

Kohler Company

Model: Exposed Flushometer Toilet Flush Valve
Model Number: K-13516-CP

Color/Finish: Polished Chrome

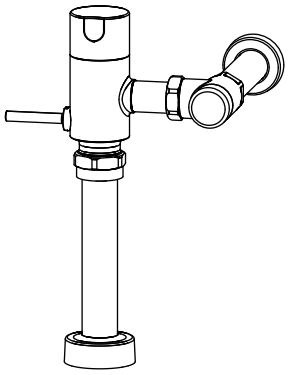
KOHLER® FAUCETS

Features

- *Brass construction*
- *Fixture-mount design*
- *Intended for toilet installations with 1-1/2″ spud coupling connection*
- *Non-hold open piston technology for accurate activation*
- *Retrofit models require a control stop and vacuum breaker*
- *1.28 gpf (4.85 lpf) for low water consumption (K-13517 and K-13517-RF)*
- *1.6 gpf (6 lpf) for standard water consumption (K-13516 and K-13516-RF)*

EXPOSED FLUSHOMETER
K-13516
ALSO K-13516-RF, K-13517, K-13517-RF

ADA | **CSA B651** | **OBC**



Codes/Standards Applicable

Specified model meets or exceeds the following:

- *ADA*
- *ASSE 1037*
- *CSA B125.3*
- *ICC/ANSI A117.1*
- *CSA B64*
- *CSA B651*
- *OBC*

Colors/Finishes

- CP: Polished Chrome

Specified Model

Model	Description	Colors/Finishes
K-13516	1.6 gpf (6 lpf) exposed flushometer	❑ CP
K-13516-RF	1.6 gpf (6 lpf) exposed flushometer retrofit	❑ CP
K-13517	1.28 gpf (4.85 lpf) exposed flushometer	❑ CP
K-13517-RF	1.28 gpf (4.85 lpf) exposed flushometer retrofit	❑ CP

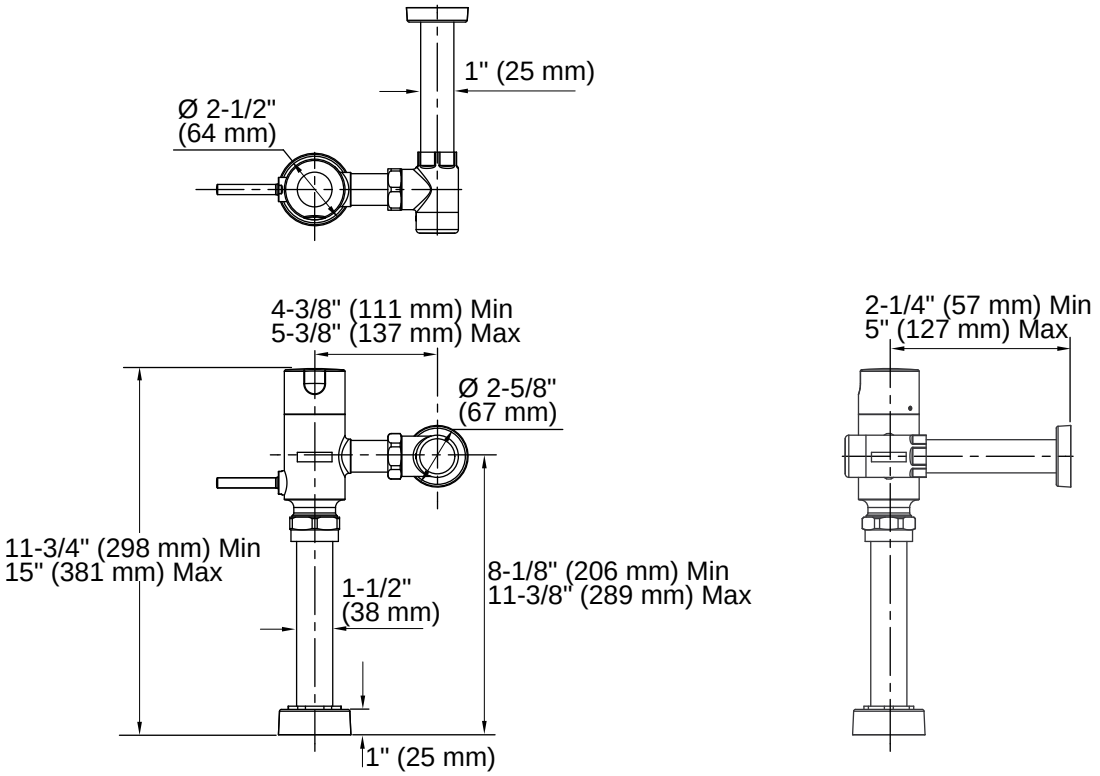
Product Specification

The manual flushometer shall be made of brass construction. Flushometer shall feature non-hold open piston technology for accurate activation. Flushometer shall have a fixture-mount design. Flushometer is intended for toilet installations with a 1-1/2″ spud coupling connection and retrofit models require a control stop and vacuum breaker. Flushometer shall have a 1.28 gpf (4.85 lpf) for low water consumption (K-13517 and K-13517-RF) or 1.6 gpf (6 lpf) for standard water consumption (K-13516 and K-13516-RF). Exposed flushometer shall be Kohler Model K-_____-CP.

USA/Canada: 1-800-4KOHLER
(1-800-456-4537)
www.kohler.com

Installation Notes

Install this product according to the installation guide.



Product Diagram

THE BOLD LOOK OF KOHLER®

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-309-LI_WCL-06

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Toilet Flush Valve
Item Type	Toilet Flush Valve - Manual
Description	Exposed Flush Valve - Manual Operation 1.60 GPF Wall Mounted
Manufacturer	American Standard (Lixil Parent Company)
Model	6047.161.002
Dimensions	Refer to attachment
Color	CP
Finish	Polished Chrome
Material Composition	Brass
Global Specification	Y
CSI #	224200
Omniclass #	22-224200
Quality Standards	Meets ANSI/ASME A112.19.2 ; ASSE 1037
Accessibility Compliance	ADA Compliant
Water Sense	Meets EPA Criteria
Accessories	Cast wall fanges (3/4", 1"&1-1/2"); Solid ring pipe supports (2-1/2"&6"C-E); Split ring pipesupports (2-1/2"&6"C-E)
Part of an Assembly	N
Eco-Feature(s) *as per manufacturer	Water Sence Certified
Flow Rate	1.60 GPF

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 2

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 3

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

AREAS

Public Restrooms
Employee Areas

ALTERNATE MANUFACTURER 4	

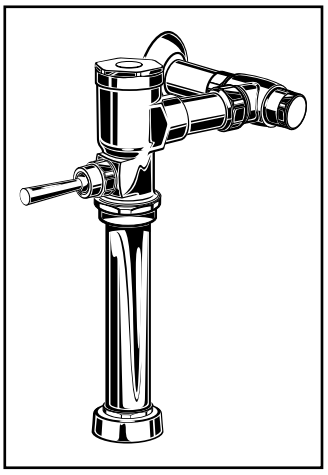
American Standard Inc

Model: Manual Toilet Flush Valve
Model Number: 6047.161.020

Color/Finish: Polished Chrome

American Standard
Style That Works Better

MANUAL TOILET FLUSH VALVE
1.6 GPF



GENERAL DESCRIPTION:
Manual Piston-Type Water Closet Flush Valve for floor-mounted or wall-hung 1-1/2" top spud bowls.

INCLUDES:
- 1" I.P.S. angle stop with back-flow prevention and vandal-resistant cap
- Sweat solder kit including cover tube and wall flange
- High back pressure vacuum breaker with down tube
- Spud coupling & flange for 1-1/2" top spud

PRODUCT FEATURES:
- Self-cleaning brass piston with integral wiper spring prevents clogging and reduces maintenance
- Piston operation delivers superior flush accuracy and repeatability
- Piston valve remains closed and does not need to be reset after loss of water pressure
- Non-hold open handle
- Positive seal ensures leak-free performance
- No external volume adjustment
- Durable chrome-plated cast brass construction is ideal for commercial applications
- Chloramine-resistant EPDM seals
- Adjustable tailpiece for rough-in flexibility
- Can be installed left or right handed
- ADA complaint

MODEL NUMBER:

- ❑ **6047.161.002** Flush Valve for 11-1/2" Supply C\L to top of bowl, 1.6 gpf
- ❑ **6047.162.002** Flush Valve for 27" Supply C\L to top of bowl, 1.6 gpf
- ❑ **6047.565.002** Retrofit for existing flush valves, 1.6 gpf. Replaces industry standard manual & electronic flush valves. Does not include vacuum breaker assembly, angle stop & sweat solder kit.

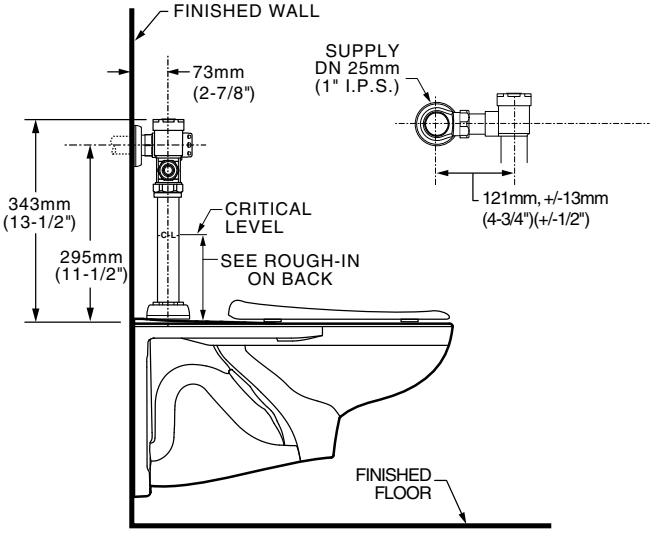
OPERATING PRESSURE:
Overall Range: 20-125 psi**
Recommended: 25 psi (flowing)-80 psi (static)

** Water pressure over 80 psi is not recommended for most plumbing fixtures.

FLOW REQUIREMENT:
25gpm (94.6 L/min.)

ACCESSORIES:
- Cast wall flanges (3/4", 1" & 1-1/2")
- Solid ring pipe supports (2-1/2" & 6" C-E)
- Split ring pipe supports (2-1/2" & 6" C-E)

TYPICAL WATER CLOSET INSTALLATION:
AFWALL™ TOILET SHOWN



RECOMMENDED SPECIFICATION:
Manual toilet flush valve shall feature self-cleaning brass piston valve with integral wiper spring in bypass orifice to prevent clogging. Valve remains closed and does not need to be reset after loss of water pressure. Includes cast brass valve body and cover with chrome finish and vandal resistant stop cap. Includes sweat solder kit with wall flange and cover tube. Angle stop with back-flow protection and vacuum breaker included. 1.6 gpf / 6.0 Lpf Flush valve shall be American Standard Model # 6065.16_.002.

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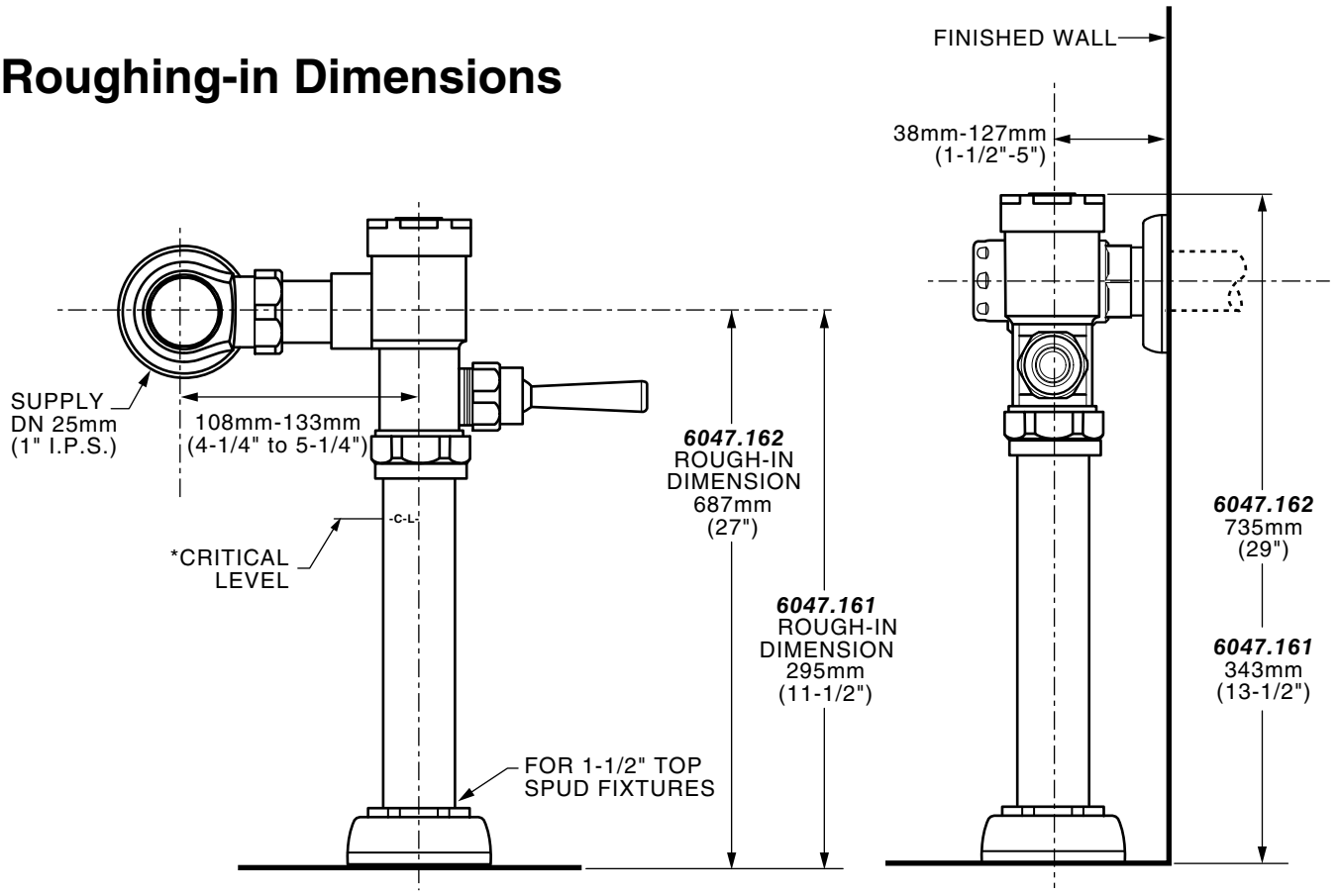
American Standard
Style That Works Better

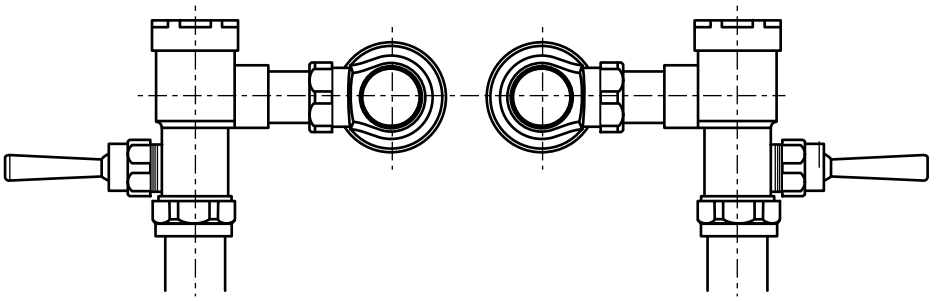
MANUAL TOILET FLUSH VALVE
1.6 GPF

LISTINGS:
- ASSE 1037
- ANSI/ASME A112.19.2
- ADA Compliant

Roughing-in Dimensions



*Note: The Critical Line (-C-L-) on Vacuum Breaker must typically be a minimum of 6" (152mm) above fixture. Consult Codes for details.



Left or Right Hand Installation

MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 REQUIREMENTS FOR ACCESSIBLE AND USABLE BUILDING FACILITIES-CHECK LOCAL CODES

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Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-310-DE_WCL-06

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Flush Valve
Item Type	Flush Valve
Description	Exposed flush valve, sensor operated TECK, ADA compliant, wall mounted, 1.60 GPF
Manufacturer	Delta Faucet Company
Model	81T201BTA
Dimensions	Refer to attachment
Color	Chrome
Finish	Polished
CSI #	224200 - Plumbing Fixtures
Omniclass #	22-224200 Plumbing Fixtures
Quality Standards	CSA Certified, ASSE 1037
Accessibility Compliance	ASME 117.1

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Delta Faucet Company
Contact Name: Emily Mueller
Phone: (210) 870-9932
Email: emily.mueller@deltafaucet.com

ALTERNATE MANUFACTURER 2

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 3

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 4

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

AREAS

Public Restrooms
Employee Areas

Electronic Exposed TECK® Flush Valves

TECK® COMMERCIAL

DELTA

❑ **81T201BTA**
– Exposed Battery Operated
1-1/2" Top Inlet Closet Fixture

- Polished chrome plated vandal resistant metal cover with top mounted sensor operated H_2OPTICS™ electronics
- Right or left-hand supply installation
- ADA compliant, automatic operation battery powered infrared sensor
- Scratch resistant replaceable lens window
- Four (4) size AA alkaline batteries factory installed with valve in sleep mode for easy installation
- Hinged battery housing for easy maintenance
- Low battery flashing light (5000 flushes remaining) with battery strength indicator
- Infrared sensor range adjustment of 610mm-1067mm (24" - 42"), factory set at 34" (±2")
- Optional dual flush setting capability factory set to OFF (dual flush recommended for 6 litre (1.6 US gal) models only)
- Optional 24 hour automatic flush factory set to OFF, 3 second flush delay
- Set-up sensor range adjustment indicator lights
- 6 VDC input, 8 second arming delay
- Electronic operated non-hold-open **metal** manual override button with 5 second lockout
- Quiet action, TECK® exposed diaphragm flush valve
- Chloramine resistant diaphragm
- Forged brass diaphragm retainer
- Renewable seat
- Polished chrome plated finish
- **External water conserving flush adjustment,** factory set at 60 PSI to 6 litre (1.6 US gal.) (except -48 and -6 models)
- **1" FIP/Copper sweat inlet adaptor,** angle check stop with protecting cap
- Adjustable 121mm (4-3/4") plus or minus 11mm (7/16") inlet/valve outlet centers
- Vacuum breaker
- Cover tube, stainless steel wall flange, spud flange, concealed spud nut, and 292mm (11-1/2") outlet tube.

❑ **81T201BTA-6**
Same as 81T201BTA, but **Not Field Adjustable**

❑ **81T201BTA-48**
Same as 81T201BTA, but factory set at 60 PSI to 4.8 litre (1.27 US gal.), **Not Field Adjustable**

❑ **81T221BTA**
Same as 81T201BTA, but with 610 mm (24") outlet tube

❑ **81T221BTA-6**
Same as 81T221BTA, but **Not Field Adjustable**

❑ **81T221BTA-48**
Same as 81T221BTA, but factory set at 60 PSI to 4.8 litre (1.27 US gal.), **Not Field Adjustable**

Electronic Exposed TECK® II Flush Valve Retrofit Kits

❑ **81T201BTA-20**
Same as 81T201BTA, but LESS stop, cover tube and wall flange

❑ **81T201BTA-20-6**
Same as 81T201BTA-20, but **Not Field Adjustable**

❑ **81T201BTA-20-13**
Same as 81T201BTA-20, but factory set at 60 PSI to 13 litre (3.4 US gal.)

❑ **81T201BTA-20-48**
Same as 81T201BTA-20, but factory set at 60 PSI to 4.8 litre (1.27 US gal.), **Not Field Adjustable**

Note: Measurements may vary ± 6mm (0.25")

Approvals:
- CSA certified
- Complies to ASSE 1037
- ADA Compliant and meets Handicapped Accessibility Standard ASME A117.1 of less than 5 lbs. operating force.
- IAPMO listed

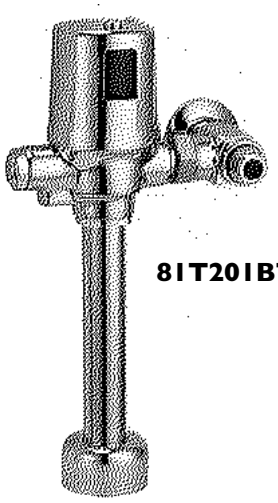
(Contact Delta Representative for State and/or Local Approvals.)

U.S. Patent # 6, 826, 455
Other Patents Pending

Engineer/Architect Approval

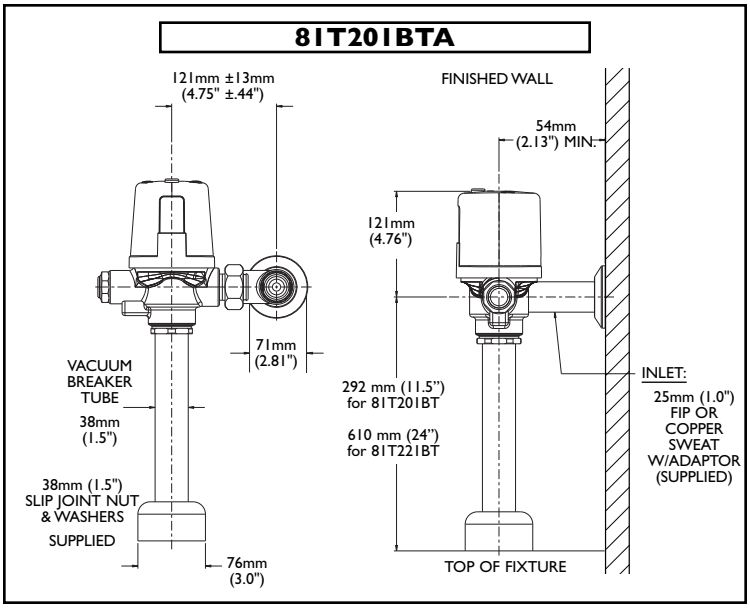
Model Specified:

Approval: Date:



81T201BTA

H_2OPTICS™



Note: For high and low pressure applications, please see page FEA-81T High Water Pressure note for more details.

Verify flow requirements with bowl manufacturer.

Refer to www.specselect.com for individual models.

Note: Use this page as a product submittal sheet.

Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.specselect.com for finish options and product availability.

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-310-LI_WCL-06

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Toilet Flush Valve
Item Type	Toilet Flush Valve - Automatic
Description	Selectronic Sensor Operated, Concealed Flush Valve 1.60 GPF Wall Mounted
Manufacturer	American Standard (Lixil Parent Company)
Model	6065.161.002
Dimensions	Refer to attachment
Color	CP
Finish	Polished Chrome
Material Composition	Brass
Global Specification	Y
CSI #	224200
Omniclass #	22-224200
Quality Standards	Meets ANSI/ASME A112.19.2 ; ASSE 1037
Accessibility Compliance	ADA Compliant
Water Sense	Meets EPA Criteria
Part of an Assembly	N
Eco-Feature(s) *as per manufacturer	Water Sence Certified
Flow Rate	1.60 GPF

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 2

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 3

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms
Employee Areas

American Standard Inc

Model: Selectronic Toilet Flush Valve 1.60 GPF
Model Number: 6065.161.020

Color/Finish: Polished Chrome

American Standard
Style That Works Better

SELECTRONIC™ TOILET FLUSH VALVE
BATTERY POWERED, SENSOR OPERATED, 1.6 GPF

GENERAL DESCRIPTION:
Exposed, Battery Powered, Sensor Operated Selectronic™ Water Closet Flush Valve for floor-mounted or wall-hung 1-1/2" top spud bowls.

Inlet includes 1" I.P.S. angle stop with back-flow protection, vandal-resistant cap, sweat solder kit, cover tube and wall flange.

Outlet includes 1-1/2" vacuum breaker with adjustable tailpiece, spud coupling and flange.

PRODUCT FEATURES:
- Electronic flush valve with Selectronic® proximity system for hygienic "Hands Free" operation
- Self-cleaning piston with integral wiper spring helps prevent clogging and reduces maintenance
- Piston operation delivers superior flush accuracy and repeatability
- Positive seal ensures leak-free performance
- Fully Mechanical Manual Override - allows valve to flush during a power failure
- Fail-Safe Operation - valve automatically closes, and does not need to be reset, on loss of power or water pressure
- Adjustable Sanitary Flush - valve automatically flushes after 24 hours of non-use to clean fixture & maintain trap seal
- Sensor & electronic controls are fully enclosed and water resistant
- Range can be adjusted manually or with optional remote control
- Chemical resistant EPDM seals are unaffected by chloramines
- Factory-installed CR-P2 lithium battery
- No external volume adjustment
- Adjustable tailpiece
- Can be installed left or right-handed
- ADA Compliant

MODEL NUMBER:

- ❑ **6065.161.002** Flush Valve for 11-1/2" Supply C\L to top of bowl, 1.6 gpf
- ❑ **6065.162.002** Flush Valve for 27" Supply C\L to top of bowl, 1.6 gpf
- ❑ **6065.565.002** Retrofit for Existing Flush Valves, 1.6 gpf. Replaces industry standard manual and electronic valves. Does not include the vacuum breaker assembly, angle stop or sweat solder kit.

OPERATING PRESSURE:
Overall Range: 20-125 psi**
Recommended: 25 psi (flowing)-80 psi (static)

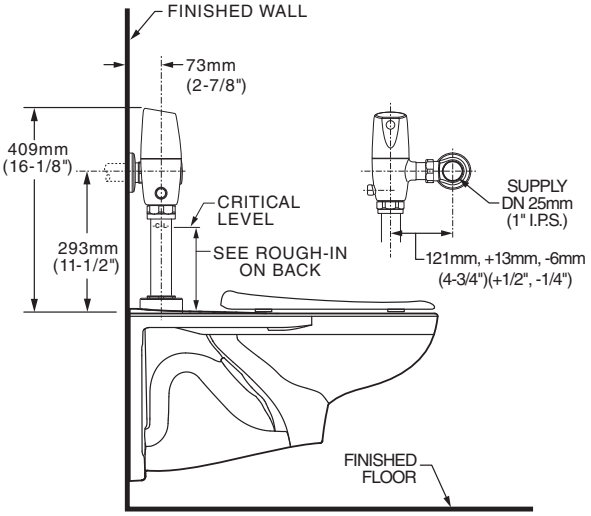
FLOW REQUIREMENT:
25gpm (94.6 L/min.)

** Water pressure over 80 psi is not recommended for most plumbing fixtures.

BATTERY LIFE:
200,000 cycles (4 years @ 4000 cycles per month)

ACCESSORIES:
- Cast wall flanges (1" & 1-1/2")
- Solid ring pipe supports (2-1/2" & 6" C-E)
- Split ring pipe supports (2-1/2" & 6" C-E)

TYPICAL WATER CLOSET INSTALLATION:
AFWALL™ TOILET SHOWN



MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 REQUIREMENTS FOR ACCESSIBLE AND USABLE BUILDING FACILITIES-CHECK LOCAL CODES

RECOMMENDED SPECIFICATION:
Electronic proximity infrared sensor activated toilet flush valve shall feature self-cleaning piston valve with integral wiper spring in refill orifice to prevent clogging. Includes a fully mechanical manual over-ride that can provide a complete flush without battery power. Includes cast brass valve body and metal cover with chrome finish, vandal resistant stop cap and lithium battery. Angle stop with back-flow protection and vacuum breaker included. 1.6 gpf / 6.0 Lpf. Flush valve shall be American Standard Model # 6065.16_.002, 6065.565.002.

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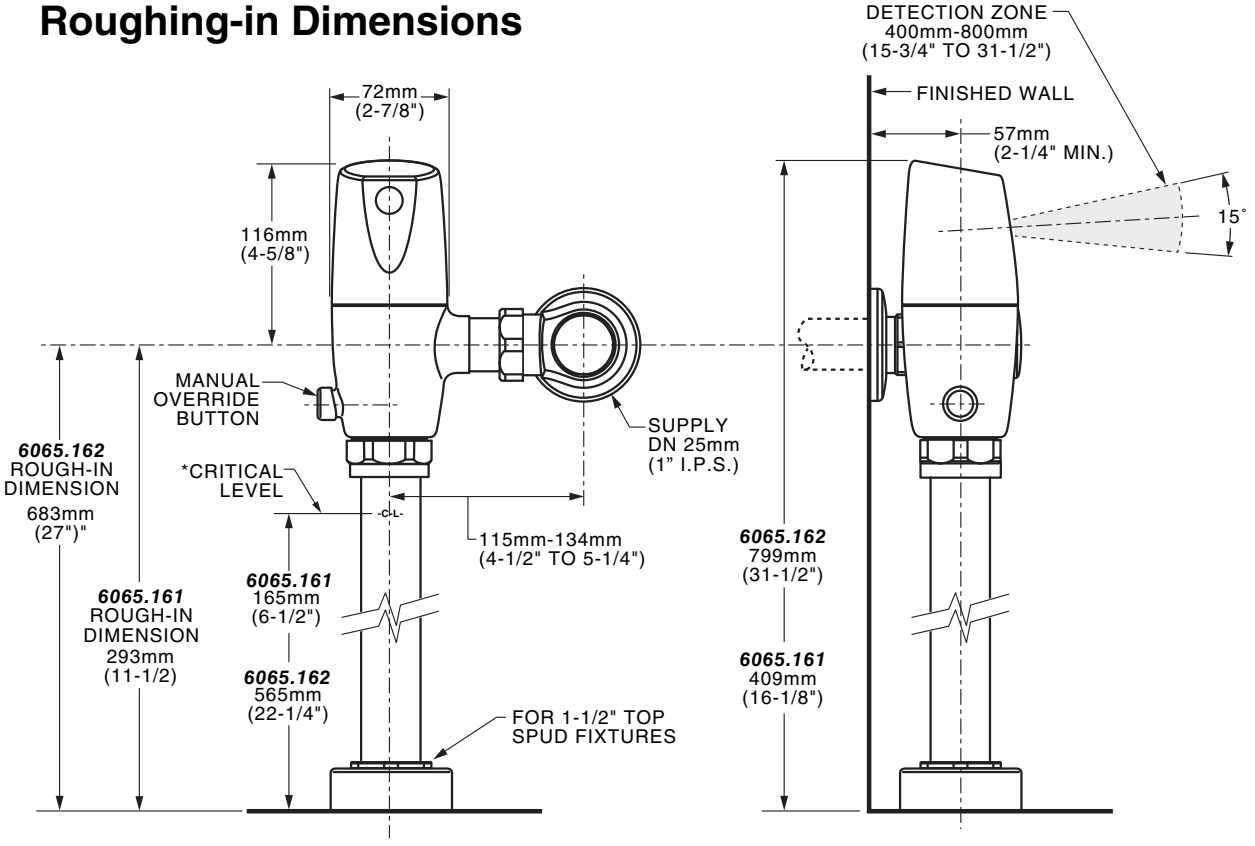
American Standard
Style That Works Better

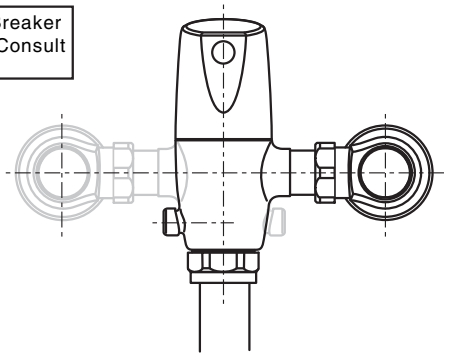
SELECTRONIC™ TOILET FLUSH VALVE
BATTERY POWERED, SENSOR OPERATED, 1.6 GPF

LISTINGS:
- ASSE 1037
- ANSI/ASME A112.19.2
- ADA Compliant

Roughing-in Dimensions



*Note: The Critical Line (-C-L-) on Vacuum Breaker must typically be 6" (152mm) above fixture. Consult Codes for details.



Right or Left Hand Installation

MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 REQUIREMENTS FOR ACCESSIBLE AND USABLE BUILDING FACILITIES-CHECK LOCAL CODES

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Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-311-KO_WCL-06

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Toilet Flush Valve
Item Type	Toilet Flush Valve - Automatic
Description	"Exposed Flush Valve" Touchless "Wave" Technology 1.28 GPF Wall Mounted
Manufacturer	Kohler
Model	K-10673-SV-CP - Exposed Wave Flush Valve 1.28GPF
Dimensions	Refer to attachment
Color	CP
Finish	Polished Chrome
Material Composition	Brass construction
Global Specification	Y
CSI #	224200
Omniclass #	22-224200
Quality Standards	Meets ASME A112.18.1/CSA B125.1; EN 55022; ICES-003, Class B; CSA B64
Accessibility Compliance	ADA Compliant - ICC/ANSI A117.1
Water Sense	Meets EPA Criteria
Part of an Assembly	N
Eco-Feature(s) *as per manufacturer	Water Sense Certified
Flow Rate	1.28 GPF
Warranty	KOHLER® One-Year Limited Warranty
Notes	Alternate for Water Conservation to be used with 1.28 GPF Water Closet

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 2

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 3

Vendor Name: Lixil - Grohe, American Standard, DXV

AREAS

Public Restrooms
Employee Areas

Contact Name: Stephanie Weston Phone: (302) 518-1704 Email: stephanie.weston@lixil.com	
ALTERNATE MANUFACTURER 4 Vendor Name: TOTO USA Inc Contact Name: Rich Lussier Phone: 773-706-3945 Email: rlussier@toto.com	

Kohler Company

Model: Exposed Wave Flush Valve 1.28GPF
Model Number: K-10673

Color/Finish: Refer to Plumbing Fixture Matrix

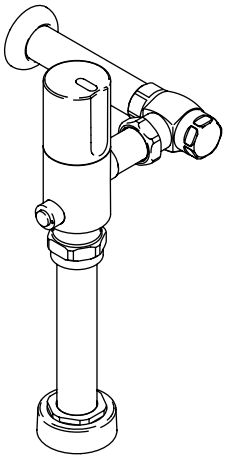
KOHLER® FAUCETS

Features

- *Brass construction*
- *Fixture-mount design*
- *Includes a 9 V lithium battery*
- *Intended for toilet installations with 1-1/2″ spud coupling connection*
- *Electronic infrared sensor with WAVE technology for accurate activation*
- *Retrofit models require a control stop and vacuum breaker*
- *1.28 gpf (4.8 lpf) flush flow rate for low water consumption [-10673]*
- *1.6 gpf (6 lpf) flush flow rate [K-10674 and K-10677]*

EXPOSED WAVE FLUSH VALVE
K-10673
ALSO K-10674, K-10677

ADA



Codes/Standards Applicable

Specified model meets or exceeds the following:

- *ASSE 1037*
- *CSA B64*
- *ADA*
- *FCC 47, Part 15*
- *EN 55022*
- *ASME A112.18.1/CSA B125.1*
- *ICES-003, Class B*
- *ICC/ANSI A117.1*

Colors/Finishes

- CP: Polished Chrome

Specified Model:

Model	Description	Colors/Finishes
K-10673	Exposed WAVE flush valve – 1.28 gpf (4.8 lpf)	❑ CP
K-10674	Exposed WAVE flush valve – 1.6 gpf (6 lpf)	❑ CP
K-10677	Exposed WAVE flush valve retrofit – 1.6 gpf (6 lpf)	❑ CP

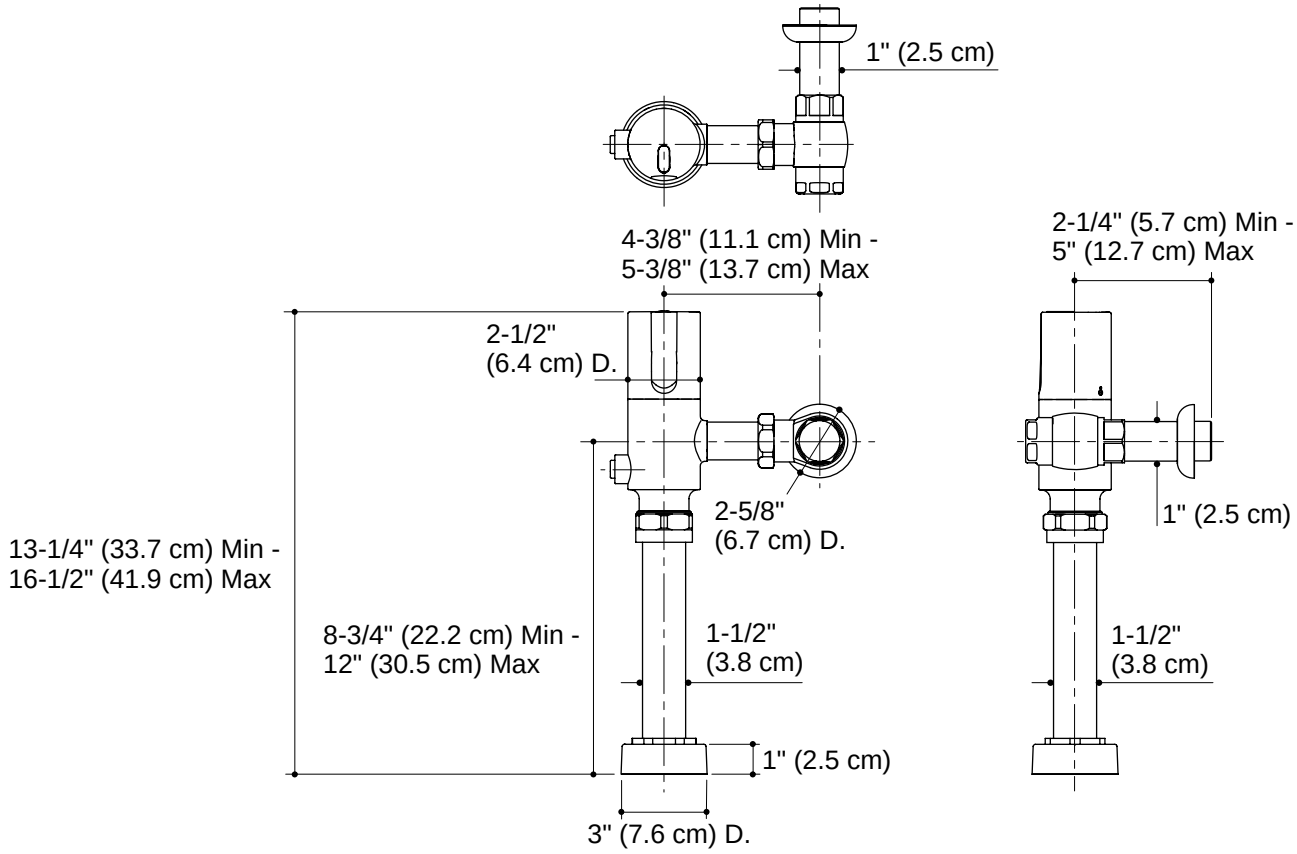
PRODUCT SPECIFICATION

Electronic flush valve shall be made of brass construction. Valve shall feature electronic infrared sensor with WAVE technology for accurate activation. Valve shall be of a fixture-mount design. Product is intended for toilet installations with a 1-1/2″ spud coupling connection, and retrofit models require a control stop and vacuum breaker. Valve shall have a 1.28 gpf (4.8 lpf) flow rate for low water consumption [K-10673] or 1.6 gpf (6 lpf) flow rate [K-10674 and K-10677]. Valve includes a 9 V lithium battery. Product shall be Kohler Model K-_____-CP.

USA/Canada: 1-800-4KOHLER
(1-800-456-4537)
www.kohler.com

Installation Notes

Install this product according to the installation guide.



Product Diagram

THE BOLD LOOK OF KOHLER®

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-312-GB_WCL-06

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Water Closet
Item Type	Water Closet
Description	North Point ErgoHeight elongated top spud bowl, 1.28 GPF, floor mounted
Manufacturer	Gerber Plumbing Fixtures
Model	G0025733
Dimensions	Refer to attachment
Color	White
Material Composition	Vitreous china
Quality Standards	ANSI A112.19.2M
Warranty	Limited lifetime on vitreous china

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Globe Union North American Group
Contact Name: Art Rehner
Phone: 410-920-6230
Email: art.rehner@globeunion.com

ALTERNATE MANUFACTURER 2

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
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Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 4

Vendor Name: TOTO USA Inc
Contact Name: Rich Lussier
Phone: 773-706-3945
Email: rlussier@toto.com

AREAS

Public Restrooms
Employee Areas

GERBER

NORTH POINT™ 1.28/1.6 gpf (4.8/6.0 Lpf) ErgoHeight™ ADA Elongated Top Spud Bowl

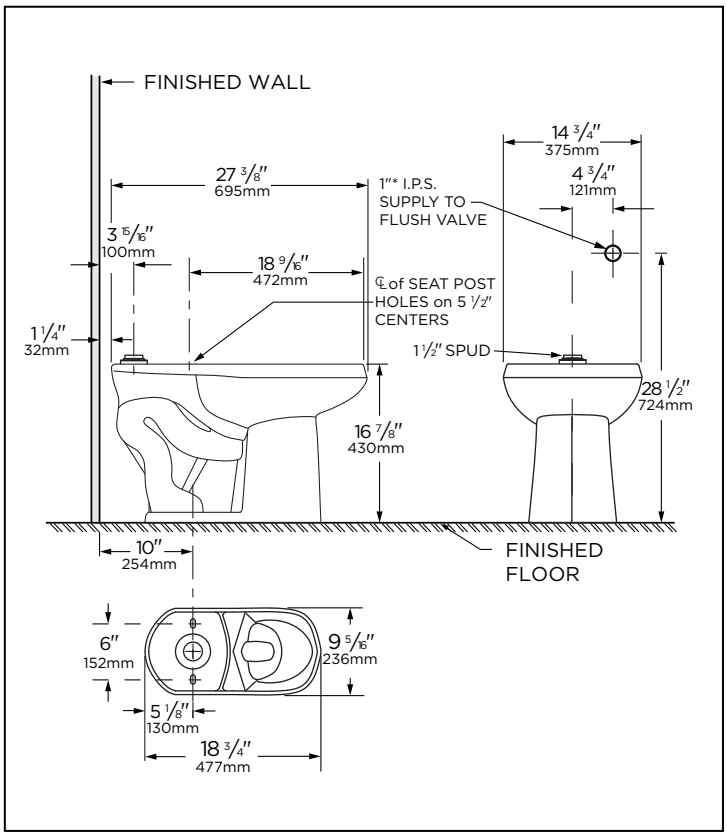
Features:

G0025733

- Vitreous China
- 1.28 gpf High Efficiency or 1.6 gpf Low Consumption
- ADA compliant
- ErgoHeight™ Elongated Spud Bowl
- Siphon Jet
- Spud G0099255 1-1/2" X 1-1/2" for Flushometer Valve Included
- Top Spud
- Flushometer Valve not Included
- Toilet seat not Included

Technical Information:

Configuration	ErgoHeight™ ADA Elongated Spud Bowl
Water per Flush	1.28/1.6 gpf (4.8/6.0 Lpf)
Rough-In	10"
Height	16 7/8"
Width	14 3/4"
Depth	27 3/8"
Trapway	2"
Large Water Surface	8 11/16" x 6 5/16"
Shipping weight Bowl	51.6 lbs



Accessories: (To Be Purchased Separately)

N/A

Available Colors:

- White Only
- Other: Refer to Price Book for additional colors/ finishes

Warranty:

- Limited Lifetime on Vitreous China, refer to the website for more details.

HIGH EFFICIENCY TOILET HET

NOTES: All dimensions are in inches and millimeter. Illustrations may not be drawn to scale.

*This measurement may vary. Use flush valve manufacturer's recommended rough-in.

RECOMMENDED STATIC WATER PRESSURE FOR PLUMBING FIXTURES IS 20 - 80 PSI STATIC PER ANSI STANDARDS A112.19.2M APPENDIX B.

IMPORTANT:
Dimensions of fixtures are nominal and may vary within the range of tolerances established by ASME standard A 112.19.2

THIS FIXTURE QUALIFIES ACCORDING TO ASME TEST PROCEDURES AS EITHER A LOW CONSUMPTION WATER CLOSET WITH AN AVERAGE CONSUMPTION OF 1.6 gpf (6.0 Lpf) OR LESS, OR AS A HIGH EFFICIENCY WATER CLOSET WITH AN AVERAGE CONSUMPTION OF 1.28 gpf (4.8 Lpf) OR LESS. WATER CLOSET CONSUMPTION IS DETERMINED BY THE FLUSHOMETER

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Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-312-KO_WCL-06

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Water Closet
Item Type	Water Closet - Floor Mounted
Description	Highcliff Ultra Bowl, (1.60 GPF), Floor Mounted
Manufacturer	Kohler
Model	K-96057-0 - Highcliff™ Ultra
Dimensions	26-3/8" L x 14-5/8" W x 16-7/8" H
Color	White
Material Composition	Vitreous china
Global Specification	Y
CSI #	224200 Plumbing Fixtures
Omniclass #	22-224200 Plumbing Fixtures
Quality Standards	Meets ASME A112.19.2/CSA B45.1; DOE - Energy Policy Act 1992 & CEC
Accessibility Compliance	Meets ADA - ICC/ANSI A117.1
Water Sense	Meets EPA Criteria
Accessories	Spud, and Bolt Cap
Part of an Assembly	Y
Eco-Feature(s) *as per manufacturer	WaterSense® Labeled
Flow Rate	1.60 GPF
Warranty	KOHLER® One-Year Limited Warranty

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 2

Vendor Name: TOTO USA Inc
Contact Name: Rich Lussier
Phone: 773-706-3945
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ALTERNATE MANUFACTURER 3

Vendor Name: Globe Union North American Group
Contact Name: Art Rehner
Phone: 410-920-6230
Email: art.rehner@globeunion.com

ALTERNATE MANUFACTURER 4

Vendor Name: Lixil - Grohe, American Standard, DXV

AREAS

Public Restrooms
Employee Areas

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-312-KO_WCL-06

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

Highcliff™ Ultra

Elongated, Floor Mount, Flushometer Bowl

K-96057

Features

- Elongated bowl, ADA compliant.
- 1-1/2" top spud.
- 2-1/8" glazed trapway.
- 10" x 7" water surface size
- Also available with antimicrobial finish K-96057-SS.

Material

- Vitreous china.

Technology

- Designed to outperform competitors in bowl cleanliness and plug resistance.
- Maximum waste removal.
- Improved toilet seat cover removal.
- Excellent bowl rinse.
- Engineered to flush effectively in buildings with low supply pressure and flow. Tested to 25 psi and 19 gpm.
- Maximum drain line carry at all flush volumes per ASME Standard.
- Reduced splashing.

Installation

- 26-3/8" L x 14-5/8" W x 16-7/8" H
- 10" or 12" rough-in
- Replaces Highcrest K-4302, Highcliff K-4368 and Highline K-4405.

Water Conservation & Rebates

- 1.1 to 1.6 gpf flush range (1.1, 1.28 and 1.6 gpf).
- WaterSense compliant when used with a 1.1 or 1.28 gpf WaterSense flushometer.

Optional Accessories

K-4731-C Commercial Heavy-duty Toilet Seat
K-4731-CA Commercial Heavy-duty Toilet Seat
K-7531 Tripoint™ HES 1.28 GPF WC Flushometer
K-7535 Tripoint™ HES 1.6 GPF WC Flushometer
K-7521 WAVE HES 1.28 GPF WC Flushometer
K-7523 WAVE HES 1.6 GPF WC Flushometer
K-10673 WAVE Touchless Toilet 1.28 gpf Flushometer
K-10674 Wave DC 1.6 GPF WC Flushometer
K-76320 Manual 1.1 GPF WC Flushometer
K-76321 Manual 1.28 GPF WC Flushometer
K-76322 Manual 1.6 GPF WC Flushometer

Components

Additional included component/s: Spud, and Bolt Cap Accessory Pack.

ADA | **CSA B651** | **OBC**

Codes/Standards

ASME A112.19.2/CSA B45.1
DOE - Energy Policy Act 1992
EPA WaterSense®
California Energy Commission (CEC)
ADA
ICC/ANSI A117.1
CSA B651
OBC

KOHLER® One-Year Limited Warranty

See website for detailed warranty information.

Available Color/Finishes

Color tiles intended for reference only.

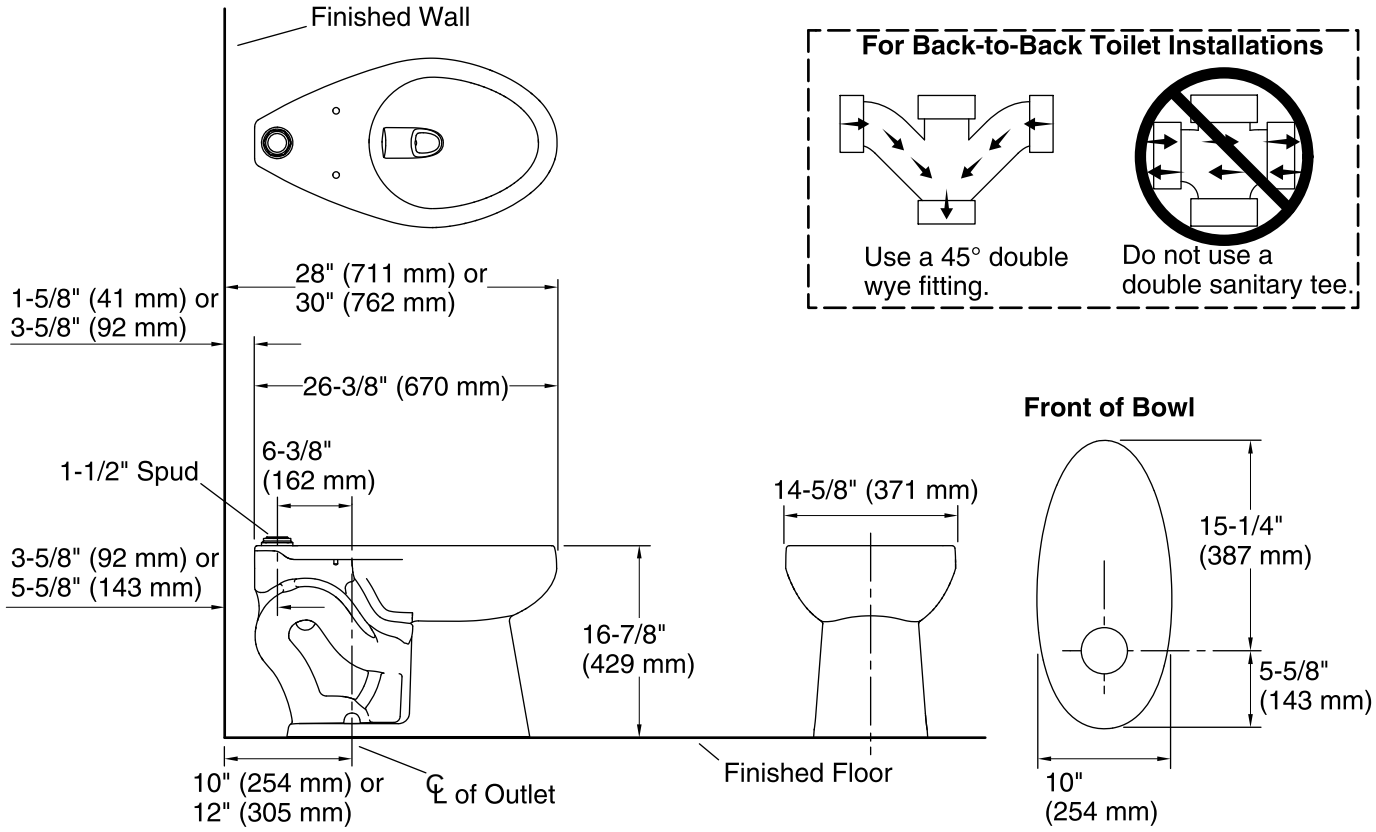
Color	Code	Description
	0	White
	96	Biscuit
	47	Almond
	7	Black Black™

KOHLER®

Highcliff™ Ultra

Elongated, Floor Mount, Flushometer Bowl

K-96057



Technical Information

All product dimensions are nominal.

Toilet type:	Flushometer, Floor-mount
Waste Outlet:	Floor
Bowl shape:	Elongated front
Flush type:	Flushometer valve siphon
Spud size:	1-1/2", Inlet, Top
Trap passageway:	2-1/8" (54 mm)
Water Consumption	
Full:	1.1 gpf (4.3 lpf) or 1.28 gpf (4.8 lpf) or 1.6 gpf (6 lpf)
Water surface size:	10" x 7" (254 mm x 178 mm)
Rim to water surface:	6" (152 mm)
Rough-in:	10" or 12" (254 or 305 mm)
Seat-mounting holes:	5-1/2" (140 mm)

Fixture Supply Requirements

Min static pressure:	35 psi (241.3 kPa)
Max static pressure:	80 psi (551.6 kPa)
Min flowing pressure:	25 psi (172.4 kPa)
Min flow rate:	25 gpm (94.6 lpm)

Notes

Install this product according to the installation instructions.

For back-to-back toilet installations: Use only a 45° double wye fitting.

Requires flushometer valve to match desired water consumption 1.1 gpf (4.3 lpf) or 1.28 gpf (4.8 lpf) or 1.6 gpf (6 lpf).

ADA, OBC, CSA B651 compliant when installed to the specific requirements of these regulations.

Plumbing Codes require elongated toilets and elongated, open-front toilet seats in public bathrooms.

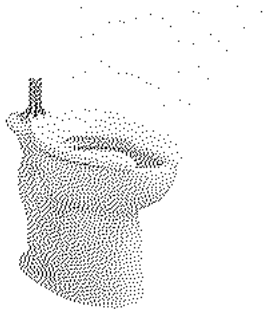
Accessibility standards require controls to be located on the open side of the toilet.

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-312-LI_WCL-06

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:



Item Name	Water Closet
Item Type	Water Closet - Elongated Toilet
Description	"Madera ADA Elongated Flush Valve Toilet" 1.10 to 1.60 GPF 28-1/4" x 14" x 16-1/2" / Floor Mounted 10" Rough (See Toilet Seat Note 4 Below)
Manufacturer	American Standard (Lixil Parent Company)
Model	3043.001.020 - Madera Elongated Toilet
Dimensions	Refer to attachment
Color	White
Material Composition	Vitreous china
Global Specification	Y
CSI #	224200
Omniclass #	22-224200
Quality Standards	ASME A112.19.2-2008 / CSA B45.1-08 for Vitreous China Fixtures
Accessibility Compliance	Meets ADA ICC ANSI A117.1
Part of an Assembly	Y
Assembly Description	Inlet Spud; Bolt caps
Eco-Feature(s) *as per manufacturer	Water Efficient Product
Flow Rate	1.10 to 1.60 GPF
Product	047007-0070A Inlet Spud; 047007-0070A Inlet Spud

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 2

Vendor Name: TOTO USA Inc
Contact Name: Rich Lussier
Phone: 773-706-3945
Email: rlussier@toto.com

ALTERNATE MANUFACTURER 3

Vendor Name: Globe Union North American Group
Contact Name: Art Rehner
Phone: 410-920-6230
Email: art.rehner@globeunion.com

AREAS

Public Restrooms
Employee Areas

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

ALTERNATE MANUFACTURER 4	
Vendor Name: Kohler Contact Name: Anupa Maru Phone: (703) 371-4269 Email: anupa.maru@kohler.com	

American Standard Inc

Model: **Madera Elongated Toilet**

Model Number: **3043.001.020**

Color/Finish: **White**

PL-312-LI_WCL-06

American Standard
Style That Works Better
BARRIER FREE

MADERA™ FloWise® 16-1/2" HEIGHT ELONGATED FLUSHOMETER TOILET
VITREOUS CHINA LESS EVERCLEAN®

MADERA™ FloWise® 16-1/2" HEIGHT ELONGATED LESS EVERCLEAN®

- Floor mount flushometer valve toilet
- Vitreous china
- High Efficiency, Low Consumption. Operates in the range of 1.1 gpf to 1.6 gpf (4.2 Lpf to 6.0 Lpf)
- Meets definition of HET (High Efficiency Toilet) when used with a high efficiency flush valve (1.28 gpf or 1.6 / 1.1 gpf dual flush)
- Fully glazed 2-1/8" trapway
- Elongated bowl
- 10" or 12" roughing-in
- 16-1/2" rim height for accessible application
- Condensation channel
- Powerful direct-fed siphon jet action
- 10" x 12" water surface area
- 1-1/2" inlet spud
- 2 bolt caps
- 100% factory flush tested

❑ **3043.001** Elongated bowl only, top spud
❑ **3248.001** Elongated bowl only, top spud with slotted rim for bedpan holding (White only)
❑ **3249.001** Elongated bowl only, back spud

System MaP* Score:
- 1,000 grams of miso @ 1.6 gpf or 1.28 gpf when used with an American Standard flush valve

* Maximum Performance (MaP) testing performed by IAPMO R&T Lab. MaP Report conducted by Veritec Consulting, Inc. and Koeller and Company.

Component Parts:
❑ **047007-0070A** Inlet Spud (furnished with bowl)
❑ **481310-100** Bolt caps with retainers (furnished with bowl)

Nominal Dimensions:
718 x 356 x 419mm
(28-1/4" x 14" x 16-1/2")

Fixture only, less seat and flush valve

Recommended working pressure–between 25 psi at valve when flushing and 80 psi static

Compliance Certifications -
Meets or Exceeds the Following Specifications:
- ASME A112.19.2-2008 / CSA B45.1-08 for Vitreous China Fixtures

MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 REQUIREMENTS FOR ACCESSIBLE AND USABLE BUILDING FACILITIES - CHECK LOCAL CODES.

SEE REVERSE FOR ROUGHING-IN DIMENSIONS

To Be Specified:
❑ Color: ❑ White ❑ Bone
❑ Seat:
- ❑ American Standard #5901.100 Heavy duty open front less cover
- ❑ American Standard #5905.100 Extra heavy duty open front less cover

❑ Flushometer Valve:
- ❑ 1.6 gpf:
  - ❑ Sensor-Operated: American Standard Selectronic® DC Power #6065.161.002 (Top Spud)
  - ❑ Sensor-Operated: American Standard Selectronic® AC Power #6067.261.002 (Back Spud)
  - ❑ Manual: American Standard #6047.161.002 (Top Spud)
- ❑ 1.28 gpf:
  - ❑ Sensor-Operated: American Standard Selectronic® DC Power #6065.121.002 (Top Spud)
  - ❑ Sensor-Operated: American Standard Selectronic® AC Power #6067.221.002 (Back Spud)
  - ❑ Manual: American Standard #6047.121.002 (Top Spud)
- ❑ 1.6 / 1/1 gpf Dual Flush:
  - ❑ Sensor-Operated: American Standard Selectronic® DC Power #6065.761.002 (Top Spud)

WATER EFFICIENT PRODUCT

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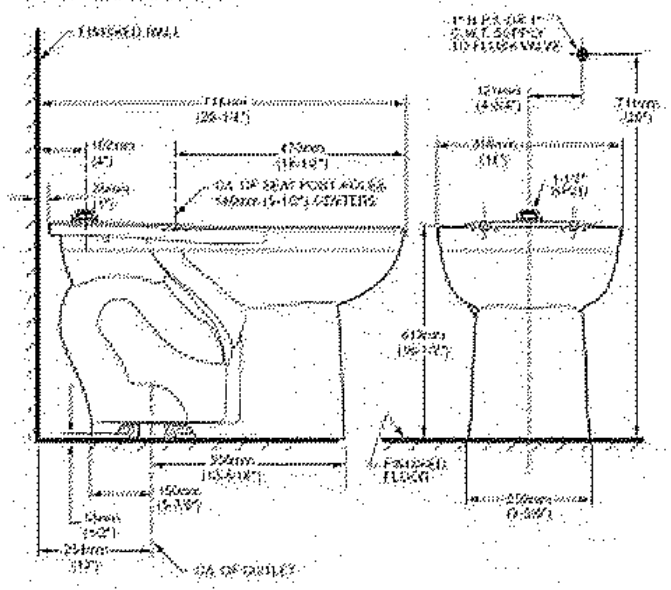
American Standard
Style That Works Better
BARRIER FREE

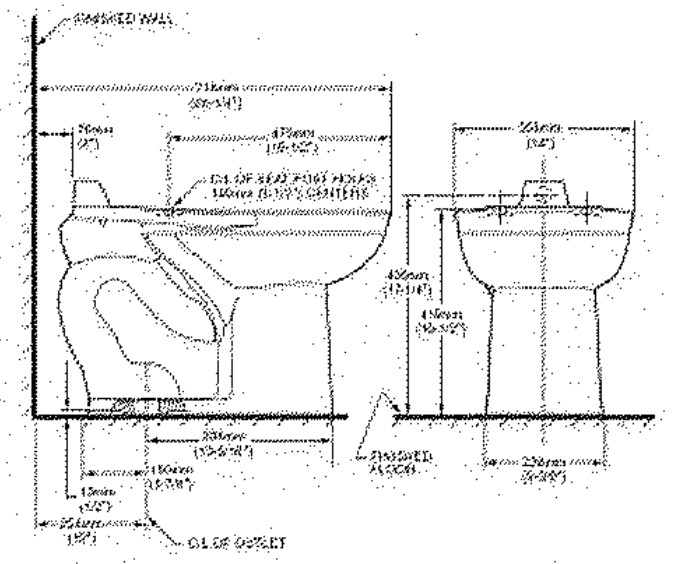
MADERA™ FloWise® 16-1/2" HEIGHT ELONGATED FLUSHOMETER TOILET

VITREOUS CHINA LESS EVERCLEAN®

3043.001/3248.001



3249.001



NOTES:
PRODUCT 3043 SHOWN, 3248 SAME EXCEPT WITH SLOTTED RIM FOR BED PAN HOLDERS.
TO COMPLY WITH AREA CODE GOVERNING THE HEIGHT OF VACUUM BREAKER ON THE FLUSHOMETER VALVE, THE PLUMBER MUST VERIFY DIMENSIONS SHOWN FOR SUPPLY ROUGHING.
THIS TOILET DESIGNED TO ROUGH-IN AT A MINIMUM DIMENSION OF 254MM (10") AND A MAXIMUM DIMENSION OF 305MM (12") FROM FINISHED WALL TO C/L OF OUTLET.
FLUSHOMETER VALVE NOT INCLUDED WITH FIXTURE AND MUST BE ORDERED SEPARATELY. FLUSHOMETER VALVE REQUIREMENTS FOR 12" (305MM) ROUGH-IN: SWEAT EXTENSION NIPPLE IS REQUIRED. REFER TO VALVE MANUFACTURER AND LOCAL CODES.

IMPORTANT: Dimensions of fixtures are nominal and may vary within the range of tolerances established by ANSI Standard A112.19.2. These measurements are subject to change or cancellation. No responsibility is assumed for use of superseded or voided pages.

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Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-312-TO_WCL-06

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Water Closet
Item Type	Water Closet - Flushometer Toilet ADA
Description	"Flushometer Toilet" 1.60 GPF Floor Mounted, Elongated Front Bowl
Manufacturer	Toto USA
Model	CT705ULN(G)
Dimensions	25 1/4"L x 14 3/8"W x 17 1/2"H
Color	#01 Cotton
Material Composition	Vitreous china
Global Specification	Y
CSI #	224200
Omniclass #	22-224200
Quality Standards	Meets ANSI/ASME standard A112.19.2/ CSA B45.1
Accessibility Compliance	ADA Compliant
Part of an Assembly	Y
Eco-Feature(s) *as per manufacturer	Low water consumption Product
Flow Rate	1.60 GPF
Warranty	One Year Limited Warranty
Notes	Rough-in: 10"-12"

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: TOTO USA Inc
Contact Name: Rich Lussier
Phone: 773-706-3945
Email: rlussier@toto.com

ALTERNATE MANUFACTURER 2

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 3

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 4

Vendor Name: Globe Union North American Group
Contact Name: Art Rehner

AREAS

Public Restrooms
Employee Areas

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-312-TO_WCL-06

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Phone: 410-920-6230
Email: art.rehner@globeunion.com

TOTO®

CT705ULN(G)

Commercial Flushometer ADA Floor-Mounted Toilet – 1.0/1.28/1.6 GPF

FEATURES

- Floor-mounted
- ADA compliant
- Elongated front bowl
- Optional CeFiONtect™ glaze prevents debris from sticking to ceramic surfaces, making them easier to clean
- Clear glazed trapway coating
- 10"-12" rough-in

MODELS

- CT705ULNG
  Commercial ADA compliant, floor-mounted toilet with CeFiONtect ceramic glaze
- CT705ULN
  Commercial ADA compliant floor-mounted toilet

ADDITIONAL ITEMS

- SC534 seat
- SC134 seat

FLUSH VALVES			
ECOPOWER®		**MANUAL**	
Exposed		**Exposed**	
TET1UA32#CP	1.0 GPF	TMT1LN32#CP	1.28 GPF
TET1LA32#CP	1.28 GPF	TMT1NNC-32	1.6 GPF
TET1GA32#CP	1.6 GPF		
Exposed 24" Breaker			
TET6UA32#CP	1.0 GPF		
TET6LA32#CP	1.28 GPF		
TET6GA32#CP	1.6 GPF		
Concealed 14" x 12"			
TET2UA32#CP	1.0 GPF		
TET2LA32#SS	1.28 GPF		
TET2GA32#SS	1.6 GPF		
Concealed 4" x 4"			
TET3UA32#SS	1.0 GPF		
TET3LA32#SS	1.28 GPF		
TET3GA32#SS	1.6 GPF		

Flush valve sold separately

CeFiONtect

COLORS/FINISHES

- Standard
  #01 Cotton

PRODUCT SPECIFICATION

The floor-mounted, ADA compliant low consumption siphon jet flushing toilet shall be 1.0, 1.28, or 1.6 GPF (3.8, 4.8, or 6.0 LPF) when paired with a flush valve of corresponding flush volume. Toilet shall have optional CeFiONtect ceramic glaze. Toilet shall be TOTO Model CT705ULN_____.

CODES/STANDARDS

- Meets and exceeds ASME A112.19.2/CSA B45.1
- Certifications: IAPMO(cUPC), State of Massachusetts, City of Los Angeles, and others
- Code compliance: UPC, IPC, NSPC, NPC Canada, and others
- ADA compliant

CT705ULN(G)

Commercial Flushometer ADA
Floor-Mounted Toilet – 1.0/1.28/1.6 GPF

SPECIFICATIONS

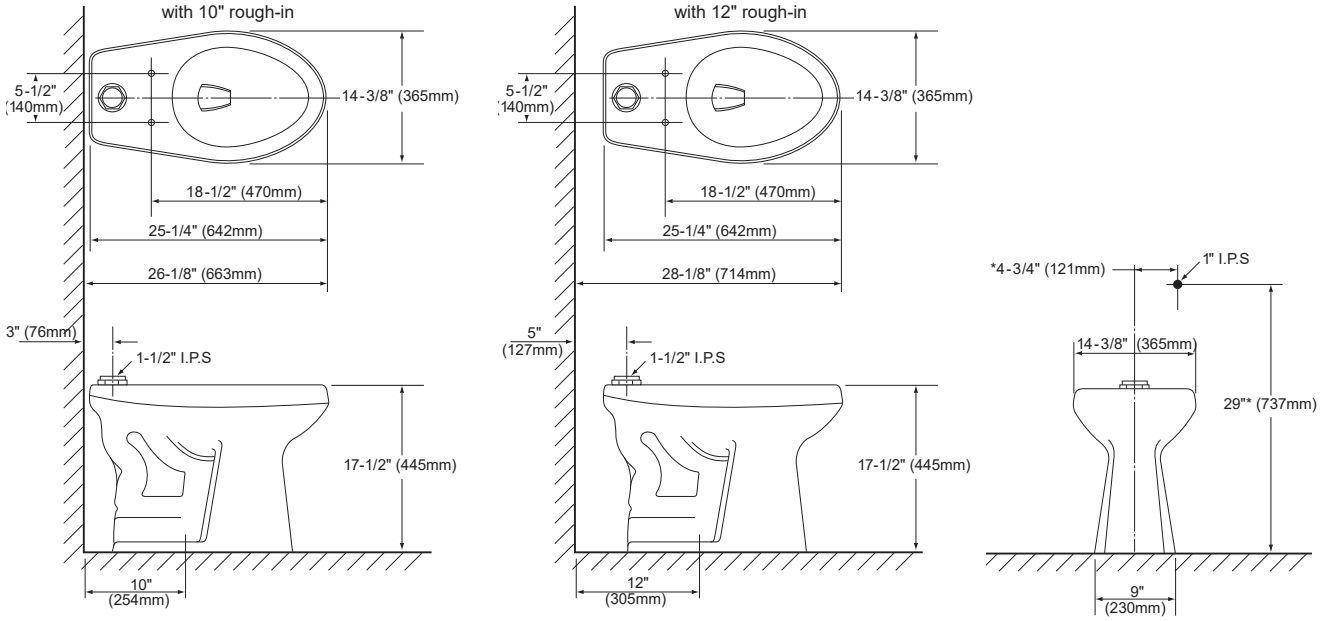
Water Use	1.0/1.28/1.6 GPF (3.8/4.8/6.0 LPF)
Flush System	Siphon Jet Flushing Action
Water Surface	10-3/4" x 9-1/4"
Water Pressure	Min: 35 psi (Flowing) Max: 80 psi (Static)
Min. Flow Rate	24 GPM
Trap Diameter	1-7/8"
Trap Seal	2-3/8"
Rough-in	12" or 10"
Material	Vitreous China
Warranty	One Year Limited Warranty
Shipping Weight	58 lbs
Shipping Dimensions	26-1/2"L x 9-1/2" W1 x 16-1/4"W2 x 19-1/2"H

INSTALLATION NOTES

Spuds are unique for TOTO product. For replacement spuds, contact TOTO for part number THU073R.

Can be used with exposed or concealed top inlet flush valves.

DIMENSIONS



Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-313-MO_WCL-06

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Toilet Flush Valve
Item Type	Toilet Flush Valve - Automatic
Description	M-Power Sensor Operated, Concealed Flush Valve, ADA Compliant with manual override, 1.28 GPF, Wall Mounted
Manufacturer	Moen
Model	8311 - Battery Powered Exposed Style Closet Flush Valve
Dimensions	Refer to attachment
Color	CP
Finish	Polished Chrome
Material Composition	Brass construction
Global Specification	Y
CSI #	224200 Plumbing Fixtures
Omniclass #	22-224200 Plumbing Fixtures
Quality Standards	Meets ASME A112.19.2M ; ASSE 1037
Accessibility Compliance	ADA Compliant - ICC/ANSI A117.1
Water Sense	Meets EPA Criteria
Part of an Assembly	N
Eco-Feature(s) *as per manufacturer	Water Sense Labeled
Flow Rate	1.28 GPF
Warranty	Warranted for 5 years against material or manufacturing defects
Notes	Alternate for Water Conservation to be used with 1.28 GPF Water Closet

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 2

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 3

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston

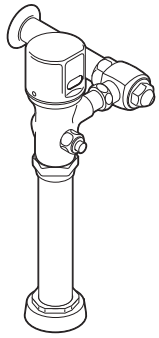
AREAS

Public Restrooms
Employee Areas

Phone: (302) 518-1704 Email: stephanie.weston@lixil.com	
ALTERNATE MANUFACTURER 4 Vendor Name: TOTO USA Inc Contact Name: Rich Lussier Phone: 773-706-3945 Email: rlussier@toto.com	

MOEN®
COMMERCIAL

Specifications



1-1/2 " Battery Powered Exposed Style Closet Flush Valve

Model: 8311

PRODUCT DESCRIPTION
- Brass construction w/chrome plated finish
- 1" IPS supply
- 1-1/2" top spud

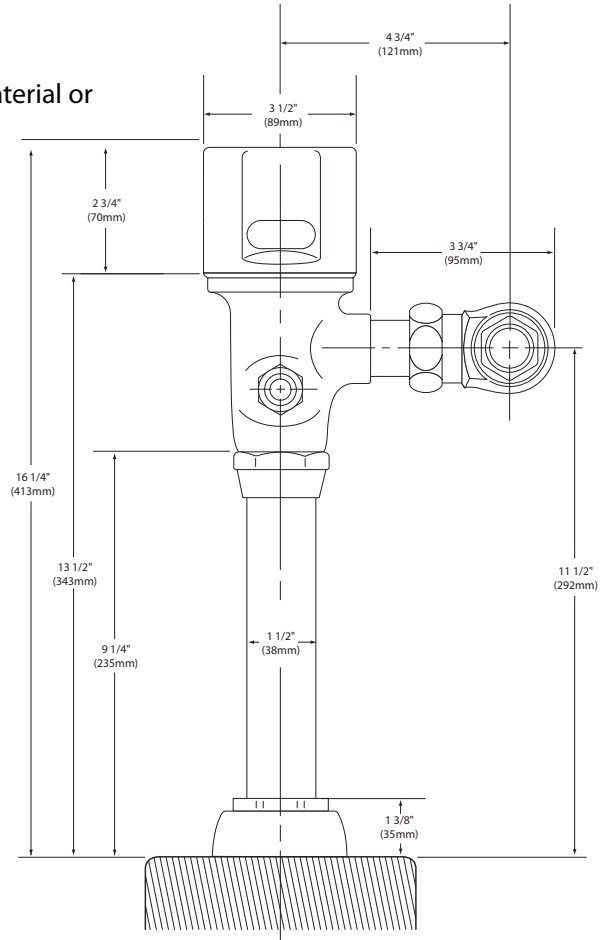
OPERATION
- Adjustable sensor eyes
- Battery powered (4) standard AA (included)
- Average battery life 250,000 cycles
- Self-diagnostic electronics
- Piston flushing mechanism
- Self cleaning filter system
- Low battery indicator light

FLOW
- Operating pressures 10 to 125 psi
- 1.28 gpf/4.8Lpf (gallons per flush)
- 24 hour sentinel flush
- Manual override button

VALVE
- 1" IPS angle stop (vandal resistant)
- Adjustable installation (left or right connection)

STANDARDS
- Third party certified by IAPMO and CSA to meet ASME A112.19.2M and all applicable requirements referenced therein and complies with requirements of ASSE 1037
- **ADA**

WARRANTY
- Warranted for 5 years against material or manufacture defects.



CRITICAL DIMENSIONS

(DO NOT SCALE)

URN-01 Public Restroom Urinal

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-314-KO_URN-01

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Urinal
Item Type	Urinal
Description	"Freshman Urinal" 1.0 GPF 14-1/4" H x 16-1/4" W x 12-1/2" D Wall Mounted
Manufacturer	Kohler
Model	K-4989-T-0 - Freshman Urinal
Dimensions	Refer to attachment
Color	White
Material Composition	Vitreous china
Global Specification	Y
CSI #	224200
Omniclass #	22-224200
Quality Standards	Meets ASME A112.19.2; IAPMO/UPC; EPACT
Accessibility Compliance	Meets ADA-ANSI A117.1
Part of an Assembly	N
Eco-Feature(s) *as per manufacturer	WaterSense® compliant when used with WaterSense ushometer
Flow Rate	1.0 GPF
Warranty	KOHLER® One-Year Limited Warranty
Notes	FLUSH VALVE NOT INCLUDED AND MUST BE ORDERED SEPARATELY. PROVIDE SUITABLE REINFORCEMENT FOR ALL WALL SUPPORTS.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 2

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms

Kohler Company

Model: **Freshman Urinal**
Model Number: **K-4989-T-0**

Color/Finish: **White**

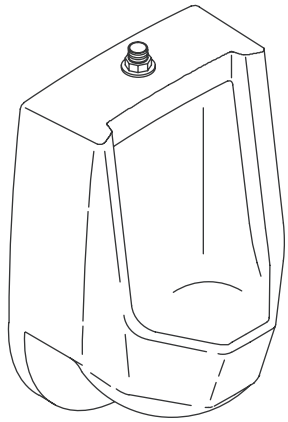
KOHLER®

FRESHMAN™

URINAL
K-4989-T

Features

- *Vitreous china*
- *Siphon jet*
- *3/4″ top spud*
- *Includes inlet and outlet spuds and hangers*
- *1 gpf (3.8 lpf)*



Codes/Standards Applicable

Specified model meets or exceeds the following:

- *ASME A112.19.2*
- *IAPMO/UPC*
- *ICC/ANSI A117.1*
- *Energy Policy Act of 1992 (EPACT)*

Colors/Finishes

- 0: White
- Other: Refer to Price Book for additional colors/finishes

Specified Model

Model	Description	Colors/Finishes	
K-4989-T	3/4″ top spud urinal	❑ 0	❑ Other_____

Product Specification

Siphon jet urinal shall be made of vitreous china with a 3/4″ top spud. Urinal shall include inlet and outlet spuds and hangers. Urinal shall use 1 gpf (3.78 lpf). Urinal shall be Kohler Model K-4989-T-_____.

USA: 1-800-4-KOHLER
Canada: 1-800-964-5590
kohler.com

FRESHMAN™

Technical Information

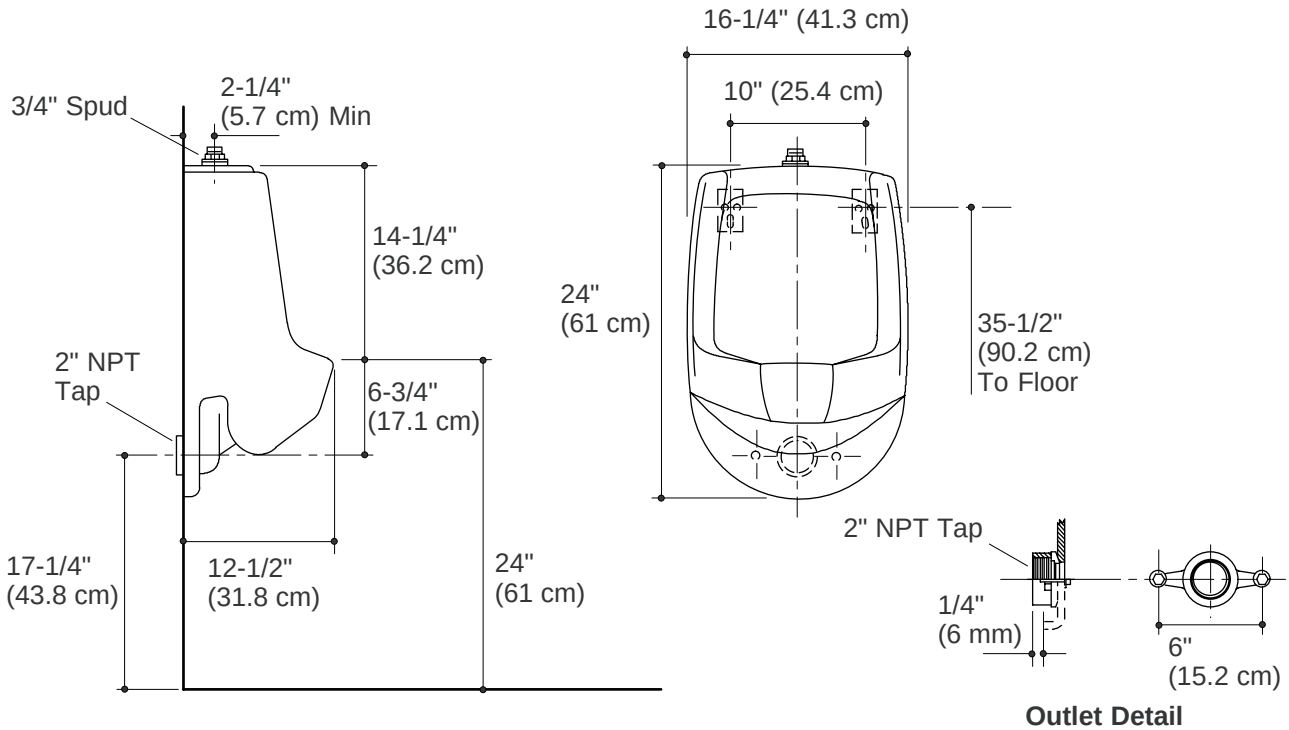
Fixture:	
Configuration	3/4″ top spud
Gallons per flush	1 gal* (3.78 L)
Spud inlet size	3/4″
* Designed to flush with one gallon (3.78 L) of water when installed with a water saving flush valve.	

Included components:	
3/4″ inlet spud	18376
2″ outlet spud	18766
Hanger (2 required)	64512

Installation Notes

Install this product according to the installation guide.

Refer to manufacturer's instructions and local codes for flush valve requirements.



Outlet Detail

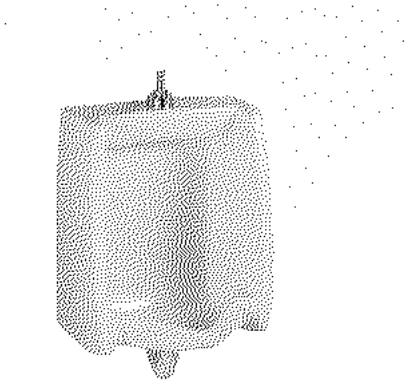
Product Diagram

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-314-LI_URN-01

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:



Item Name	Urinal
Item Type	Urinal
Description	"Washbrook Universal Urinal" 1.0 GPF 18-7/8" x 14-1/8" x 26-1/8" Wall Mounted
Manufacturer	American Standard (Lixil Parent Company)
Model	6590.001.020 - Washbrook Universal Urinal
Dimensions	Refer to attachment
Color	White
Material Composition	Vitreous china
Global Specification	Y
CSI #	224200
Omniclass #	22-224200
Quality Standards	Meets ASME A112.19.2-2008/CSA B45.1-08 for Vitreous China Fixtures;
Accessibility Compliance	Meets ADA-ANSI A117.1
Part of an Assembly	N
Flow Rate	1.0 GPF
Notes	FLUSH VALVE NOT INCLUDED AND MUST BE ORDERED SEPARATELY. PROVIDE SUITABLE REINFORCEMENT FOR ALL WALL SUPPORTS.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 2

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms

American Standard Inc

Model: Washbrook Universal Urinal
Model Number: 6590.001.020

Color/Finish: White

American Standard
Style That Works Better

BARRIER FREE

WASHBROOK® FloWise® UNIVERSAL URINAL
VITREOUS CHINA

WASHBROOK® FloWise® UNIVERSAL URINAL

- Vitreous china
- Ultra High Efficiency, Low Consumption. Operates in the range of 0.125gpf to 1.0gpf (0.5 Lpf to 3.8 Lpf)
- Flushing rim
- Elongated 14" rim from finished wall
- Washout flush action
- Extended sides for privacy
- 3/4" inlet spud
- Outlet connection threaded 2" inside (NPTF)
- 2 wall hangers
- Fixture only
- Strainer included
- Meets ASME flush requirements at 0.125 to 1.0 gpf

❏ **6590.001** Universal Top spud
❏ **6515.001** Universal Back spud

Nominal Dimensions:
360 x 480 x 664mm
(14-1/8" x 18-7/8" x 26-1/8")

Recommended working pressure – between 20 psi at valve when flushing and 80 psi static

Compliance Certifications -
Meets or Exceeds the Following Specifications:
- ASME A112.19.2-2008/CSA B45.1-08 for Vitreous China Fixtures

SEE REVERSE FOR ROUGHING-IN DIMENSIONS

To Be Specified:
❏ Color: ❏ White
❏ Flush Valve:

1.0 gpf Flush Valve: Sensor-Operated:
- ❏ American Standard Selectronic® #6063.101.002 DC Power (Top Spud)
- ❏ American Standard Selectronic® #6062.310.007 AC Power (Back Spud)

1.0 gpf Flush Valve: Manual-Operated:
- ❏ American Standard # 6045.101.002

0.5 gpf Flush Valve: Sensor-Operated:
- ❏ American Standard Selectronic® #6063.051.002 DC Power (Top Spud)
- ❏ American Standard Selectronic® #6062.305.007 AC Power (Back Spud)

0.5 gpf Flush Valve: Manual-Operated:
- ❏ American Standard #6045.051.002

0.125 gpf Flush Valve: Sensor-Operated:
- ❏ American Standard Selectronic® #6063.013.002 DC Power (Top Spud)
- ❏ American Standard Selectronic® #6062.301.007 AC Power (Back Spud)

0.125 gpf Flush Valve: Manual-Operated:
- ❏ American Standard #6045.013.002

WATER EFFICIENT PRODUCT

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Revised 6/12

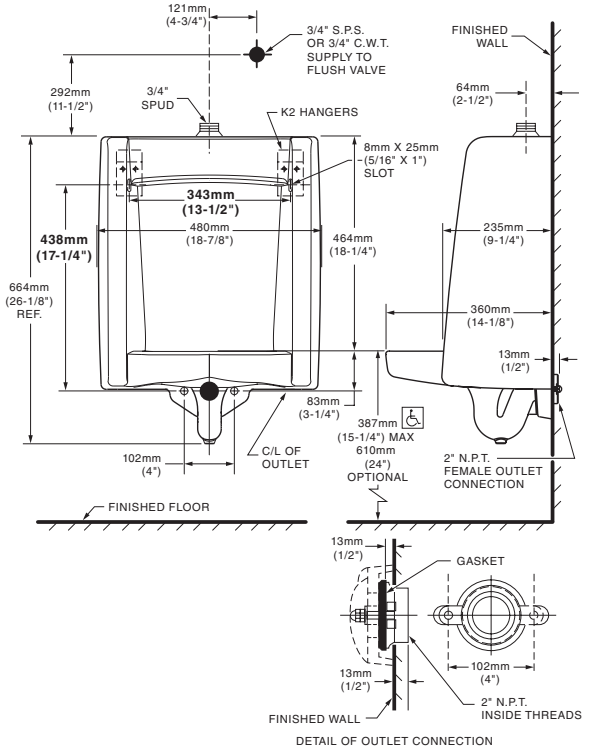
American Standard
Style That Works Better

BARRIER FREE

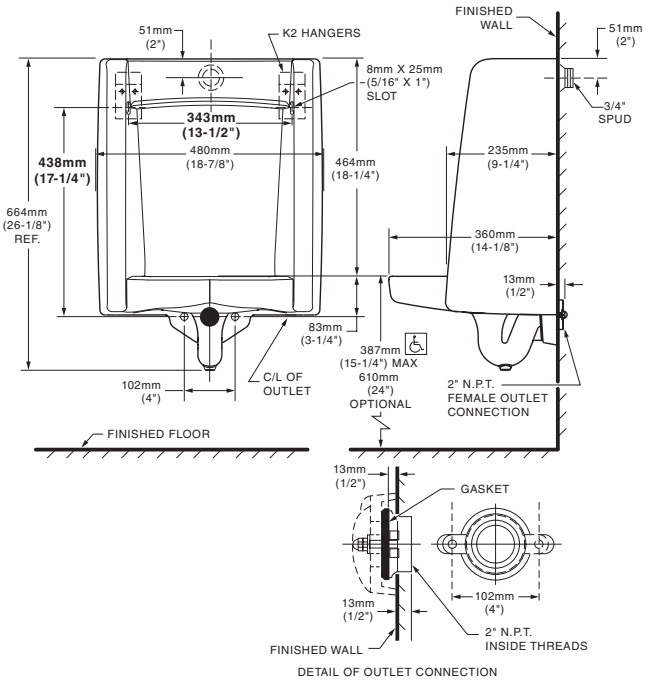
WASHBROOK® FloWise® UNIVERSAL URINAL

VITREOUS CHINA

6590.001 TOP SPUD



6515.001 BACK SPUD



MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES - CHECK LOCAL CODES.

- When installed so top of rim is 387mm (15-1/4") from finished floor.

NOTES:
FLUSH VALVE NOT INCLUDED AND MUST BE ORDERED SEPARATELY.
PROVIDE SUITABLE REINFORCEMENT FOR ALL WALL SUPPORTS.

IMPORTANT: Dimensions of fixtures are nominal and may vary within the range of tolerances established by ANSI Standard A112.19.2. These measurements are subject to change or cancellation. No responsibility is assumed for use of superseded or voided pages.

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Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-315-DE_URN-01

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Flush Valve
Item Type	Flush Valve
Description	Exposed flush valve, manual operation, ADA compliant, 1.0 GPF, Wall Mounted
Manufacturer	Delta Faucet Company
Model	81T231
Dimensions	Refer to attachment
Color	Chrome
Finish	Polished
CSI #	224200 - Plumbing Fixture
Omniclass #	22-224200 Plumbing Fixture
Quality Standards	ASSE 1037
Accessibility Compliance	ADA Compliant, ASME 117.1

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Delta Faucet Company
Contact Name: Emily Mueller
Phone: (210) 870-9932
Email: emily.mueller@deltafaucet.com

ALTERNATE MANUFACTURER 2

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 3

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 4

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

AREAS

Public Restrooms

DELTA COMMERCIAL

Flush Valves

Exposed Flush Valves-Manual Operation

Model No: 81T231

COMPLIES WITH:

- CSA certified.
- Complies to ASSE 1037
- IAPMO listed
- ADA compliant and meets Handicapped Accessibility Standard ASME 117.1 of less than 5 lbs operating force
- (Contact Delta Representative for State and/or Local Approvals)

SPECIFICATION:

- Quiet action, Teck® exposed diaphragm flush valve
- polished chrome plated finish
- vandal resistant cover screw
- metal "non hold open" ADA Compliant oscillating handle
- vacuum breaker
- renewable seat
- *Chloramine resistant diaphragm attached to guide with forged metal retainer.
- spud flange and concealed spud nut
- For flushing urinals with 3/4" top spud
- maximum 330mm(13") from centerline of valve inlet to top of urinal
- external water conserving flush volume adjustment
- 1" FIP/3/4" Copper sweat inlet adaptor for angle check stop with protecting cap
- adjustable 121mm (4.75”) plus or minus 11mm (7/16”) inlet/valve outlet centers
- Cover tube and wall flange
- 2.7 Litre (0.70 US GAL.) Factory Set Flush at 60 psi- FIELD ADJUSTABLE from 0.47 to 3.78 Litre Flush (1/8 to 1.0 US GAL.)

OPERATION:

- Not Available

(Dimensional drawing on following page)

Delta reserves the right (1) to make changes to specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference. Measurement may vary plus or minus 6mm(0.25"). Mounting locations are suggested only. Check with local codes for requirements in your area.

Delta Faucet Company - 55 East 111th St. - Indianapolis, Indiana, USA 46280 - (317) 848-1812
Delta Faucet Canada - 395 Matheson Blvd E - Mississauga, Ontario, Canada L4Z 2H2 - (905) 712-3030

Model No: 81T231

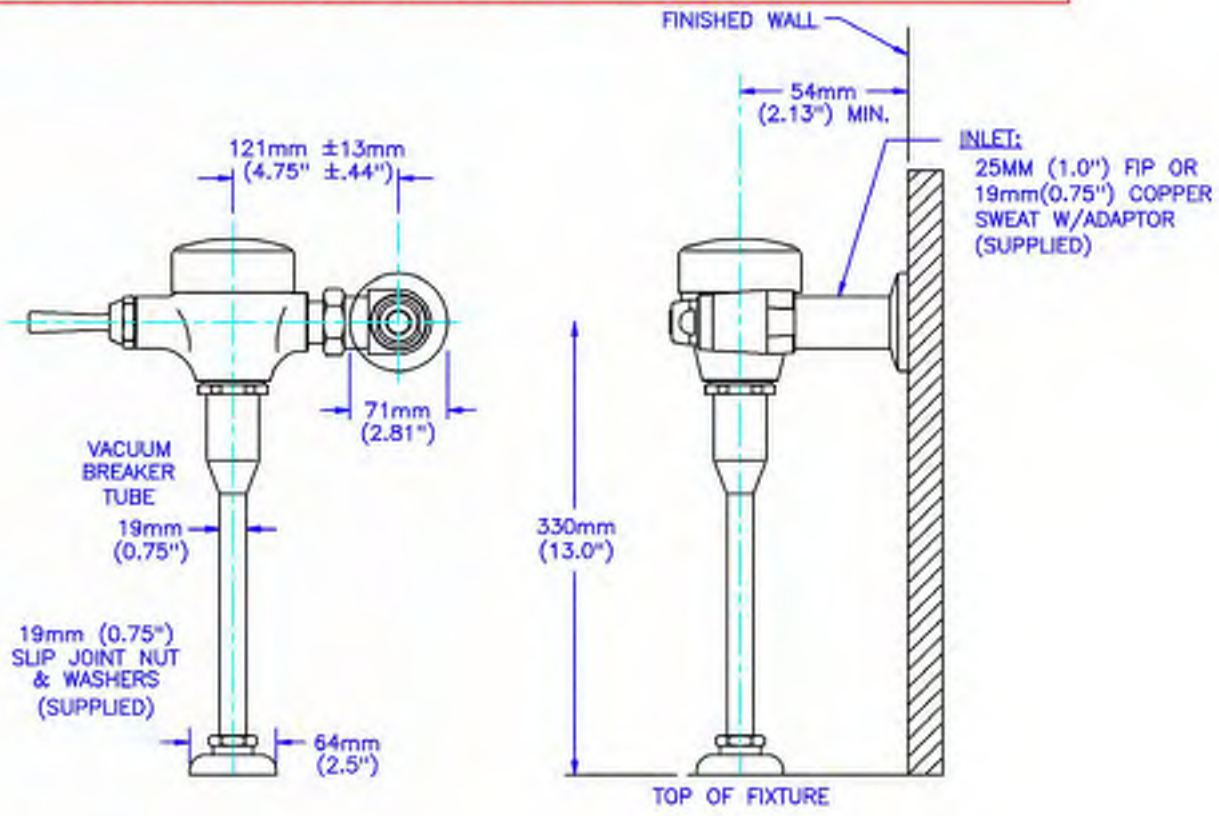
– FACTORY SET FOR 2.7 LITRE (0.7 US GAL.) FLUSH AT 60 PSI
– FIELD ADJUSTABLE FLUSH FROM .47L TO 3.78L (1/8 TO 1.0 US GAL.)

THE RECOMMENDED FLUSH VALVE OPERATING PRESSURE RANGE IS BETWEEN 35 & 65 PSI. PRESSURES OVER 75PSI LEAD TO AN INCREASE IN NOISE, WATER COULD SPLASH OUT OF THE FIXTURE MORE EASILY, AND THE LIFE OF ANY PLUMBING VALVE MAY BE SHORTENED.

FOR PRESSURES OVER 75PSI, A PRESSURE REDUCING VALVE IS RECOMMENDED.

FLUSH VALVES DO NOT PROVIDE A WATER SUPPLY; THEY ARE MERELY AUTOMATICALLY TIMED SELF-CLOSING VALVES. THE INLET SUPPLY PIPING IS THE WATER RESERVOIR THAT MUST SUPPLY SUFFICIENT WATER VOLUME IN A SHORT PERIOD OF TIME TO PROPERLY FLUSH THE FIXTURE.

WE STRONGLY RECOMMEND THAT PIPING CALCULATIONS BE DONE FOE ALL INSTALLATIONS TO INSURE PROPER WATER SUPPLY SIZES. CALL TECHNICAL SERVICE FOR DETAILS.



Delta reserves the right (1) to make changes to specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference. Measurement may vary plus or minus 6mm(0.25"). Mounting locations are suggested only. Check with local codes for requirements in your area.

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-315-KO_URN-01

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Urinal Flush Valve
Item Type	Urinal Flush Valve - Manual
Description	Exposed Flush Valves - Manual Operation 1.0 GPF Wall Mounted
Manufacturer	Kohler
Model	K-13518-CP
Dimensions	Refer to attachment
Color	CP
Finish	Polished Chrome
Material Composition	Brass construction
Global Specification	Y
CSI #	224200
Omniclass #	22-224200
Quality Standards	Meets ASME A112.18.1/CSA B125.1; ASSE 1037; CSA B651; CSA B125.37
Accessibility Compliance	Compliance with ADA ICC/ANSI A117.1
Part of an Assembly	N
Warranty	KOHLER® One-Year Limited Warranty

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 2

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 3

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms

Kohler Company

Model: **Manual 1.0 GPF Washdown Flushometer**

Model Number: **K-13518-CP**

KOHLER. Faucets

Manual 1.0 GPF Wshdwn Flushometer
K-13518

Features
- Fixture-mount design.

Material
- Brass construction.

Technology
- Non-hold open piston technology for accurate activation.

Installation
- Intended for urinal installations with 3/4" spud coupling connection.

Optional Accessories
GP1118986 Flushometer Extension Kit

ADA | **CSA B651** | **OBC**

Codes/Standards
ASME A112.18.1/CSA B125.1
CSA B125.3
CSA B64
ASSE 1037
ADA
ICC/ANSI A117.1
CSA B651
OBC

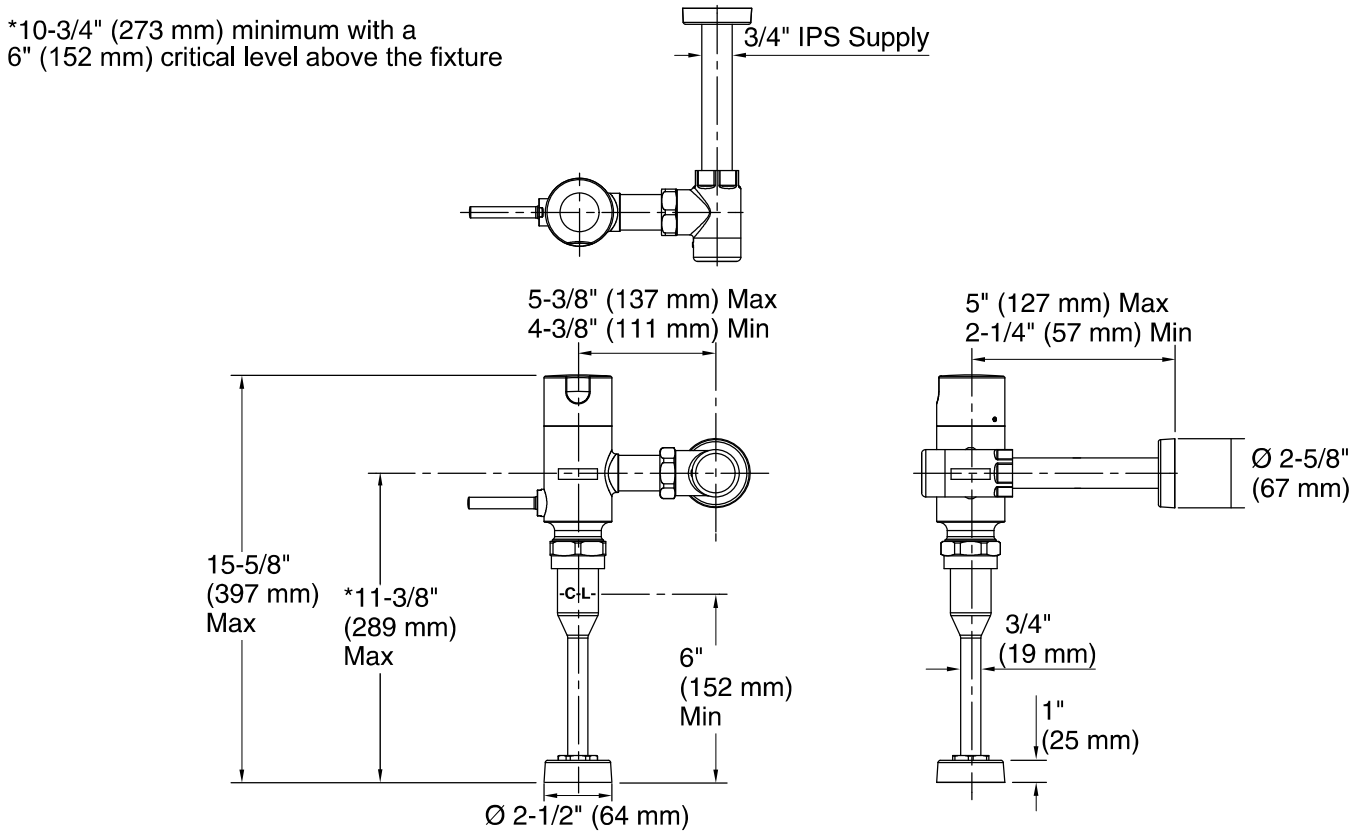
KOHLER® One-Year Limited Warranty
See website for detailed warranty information.

Available Color/Finishes
Color tiles intended for reference only.

Color	Code	Description
	CP	Polished Chrome

KOHLER. Faucets

Manual 1.0 GPF Wshdwn Flushometer
K-13518



Technical Information
All product dimensions are nominal.

Pressure and Supply Requirements
Fixture flow rate min: 10 gpm (37.9 lpm)

Fixture pressure max (static): 80 psi (551.6 kPa)

Notes
Install this product according to the installation guide.

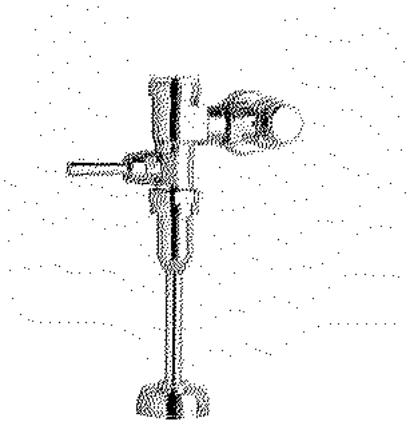
ADA, OBC, CSA B651 compliant when installed to the specific requirements of these regulations.

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-315-LI_URN-01

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:



Item Name	Urinal Flush Valve
Item Type	Urinal Flush Valve - Manual
Description	Exposed Flush Valves - Manual Operation ADA Compliant 1.0 GPF Wall Mounted
Manufacturer	American Standard (Lixil Parent Company)
Model	6045.101.002 - Flush Valve for 3/4" top spud urinals, 1.0 gpf
Dimensions	Refer to attachment
Color	CP
Finish	Polished Chrome
Material Composition	Durable chrome-plated cast brass construction
Global Specification	Y
CSI #	224200
Omniclass #	22-224200
Quality Standards	Meets ASSE 1037; ANSI/ASME A112.19.2
Accessibility Compliance	Compliance to ADA
Accessories	Cast wall fanges (3/4")
Part of an Assembly	N
Warranty	ONE YEAR LIMITED WARRANTY FOR COMMERCIAL FIXTURES

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 2

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 3

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 4

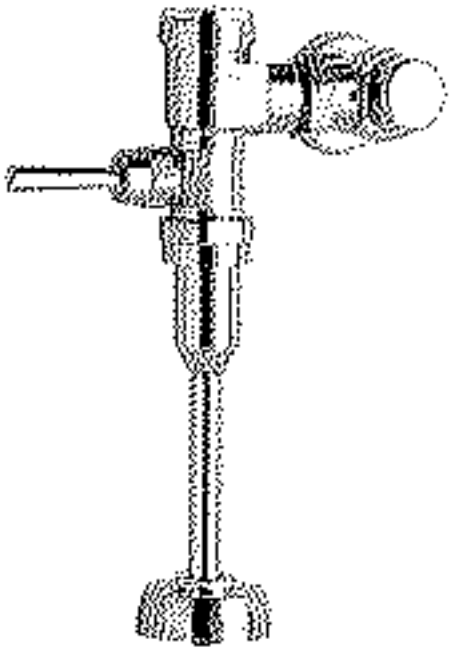
AREAS

Public Restrooms

American Standard Inc

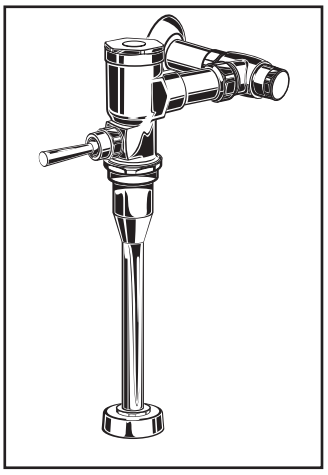
Model: Urinal Manual Flush Valve
Model Number: 6045.101.020

Color/Finish: Polished Chrome



American Standard
Style That Works Better

MANUAL URINAL FLUSH VALVE
1.0 GPF



GENERAL DESCRIPTION:
Manual Piston-Type Urinal Flush Valve for 3/4" top spud urinals.

INCLUDES:
- 3/4" I.P.S. angle stop with back-flow prevention and vandal-resistant cap
- Sweat solder kit including cover tube and wall flange
- High back pressure vacuum breaker with down tube
- Spud coupling & flange for 3/4" top spud

PRODUCT FEATURES:
- Self-cleaning brass piston with integral wiper spring prevents clogging and reduces maintenance
- Piston operation delivers superior flush accuracy and repeatability
- Piston valve remains closed and does not need to be reset after loss of water pressure
- Non-hold open handle
- Positive seal ensures leak-free performance
- No external volume adjustment
- Durable chrome-plated cast brass construction is ideal for commercial applications
- Chloramine-resistant EPDM seals
- Adjustable tailpiece for rough-in flexibility
- Can be installed left or right handed
- ADA complaint

MODEL NUMBER:

❑ **6045.101.002** Flush Valve for 3/4" top spud urinals, 1.0 gpf

❑ **6045.510.002** Retrofit for existing flush valves, 1.0 gpf. Replaces industry standard manual & electronic flush valves. Does not include vacuum breaker assembly, angle stop & sweat solder kit.

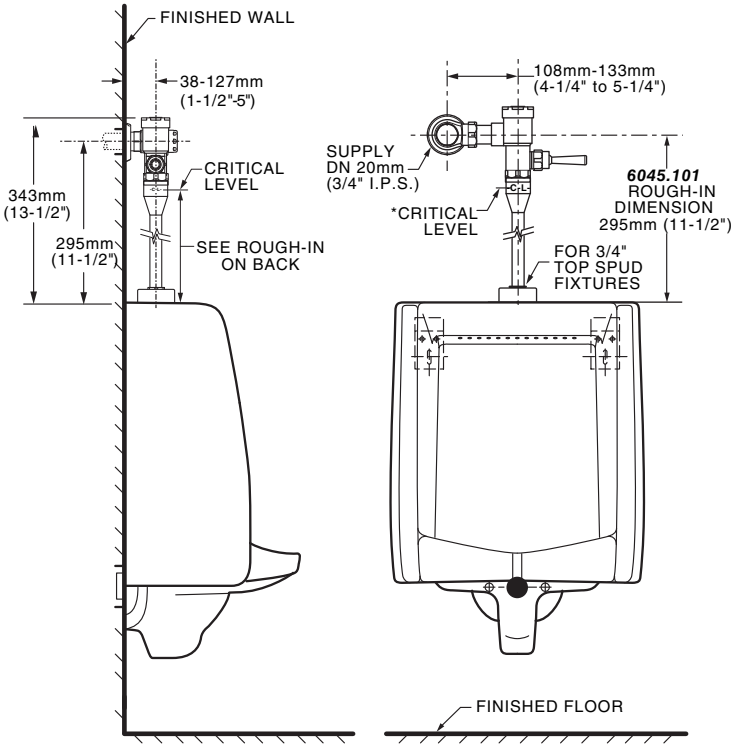
OPERATING PRESSURE:
Overall Range: 20-125 psi**
Recommended: 20 psi (flowing)-80 psi (static)

** Water pressure over 80 psi is not recommended for most plumbing fixtures.

FLOW REQUIREMENT:
10gpm (37.9 L/min.)

ACCESSORIES:
- Cast wall flanges (3/4")

TYPICAL URINAL INSTALLATION:
WASHBROOK URINAL SHOWN



RECOMMENDED SPECIFICATION:
Manual urinal flush valve shall feature self-cleaning brass piston valve with integral wiper spring in bypass orifice to prevent clogging. Valve remains closed and does not need to be reset after loss of water pressure. Includes cast brass valve body and cover with chrome finish and vandal resistant stop cap. Includes sweat solder kit with wall flange and cover tube. Angle stop with back-flow protection and vacuum breaker included. 1.0 gpf / 3.8 Lpf Flush valve shall be American Standard Model # 6045.101.002.

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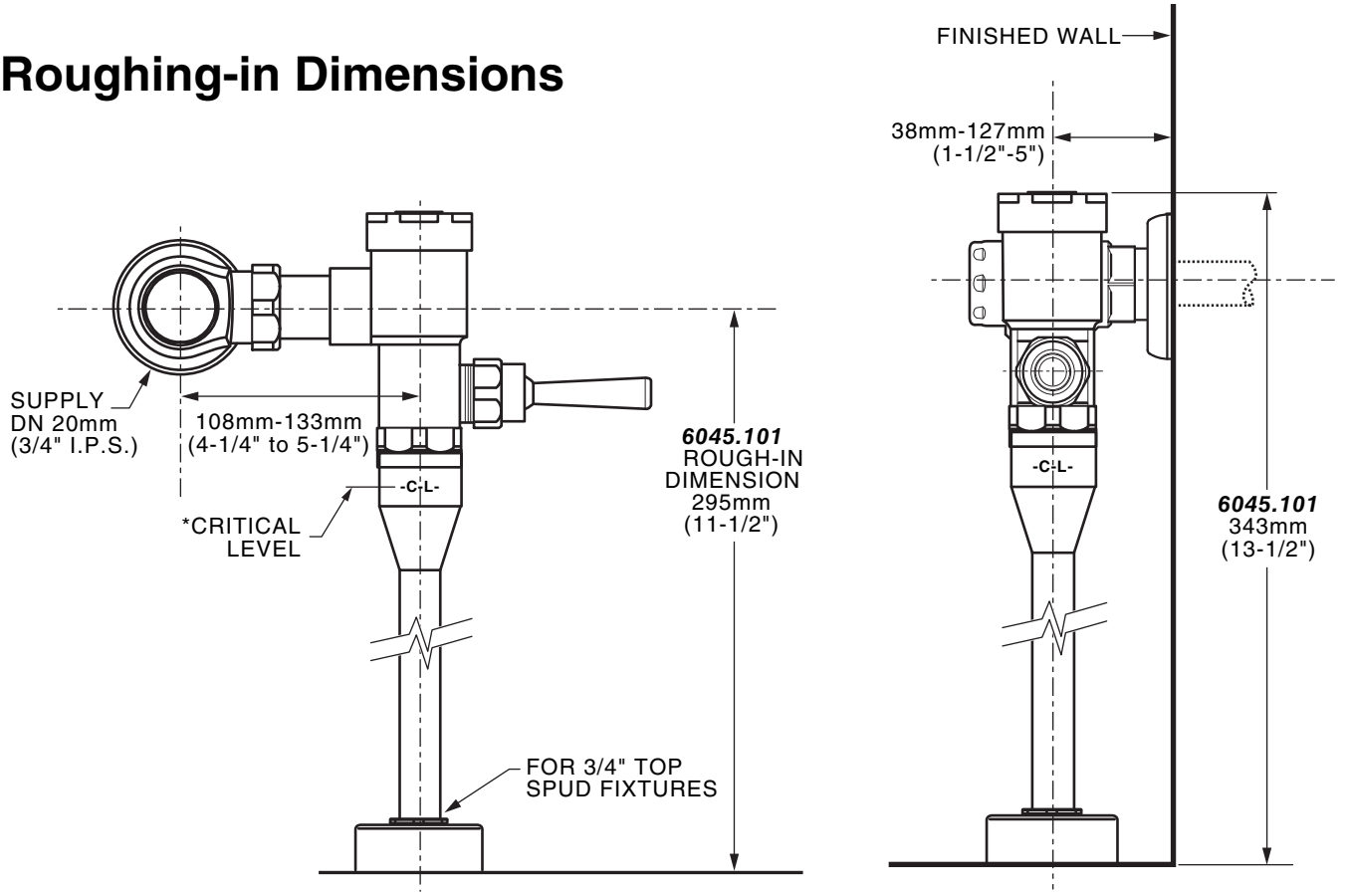
Revised

American Standard
Style That Works Better

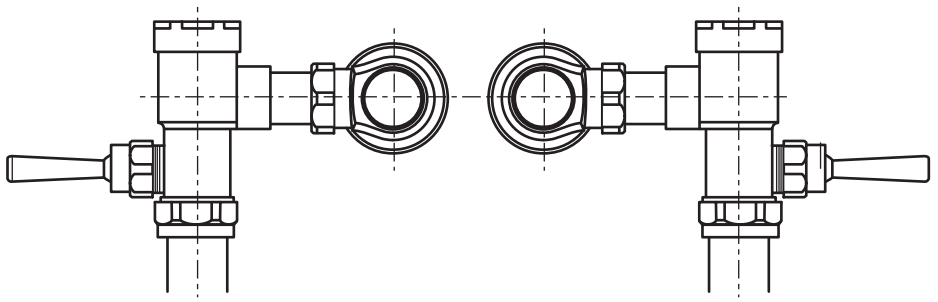
MANUAL URINAL FLUSH VALVE
1.0 GPF

LISTINGS:
- ASSE 1037
- ANSI/ASME A112.19.2
- ADA Compliant

Roughing-in Dimensions



*Note: The Critical Line (-C-L-) on Vacuum Breaker must typically be a minimum of 6" (152mm) above fixture. Consult Codes for details.



Left or Right Hand Installation

MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 REQUIREMENTS FOR ACCESSIBLE AND USABLE BUILDING FACILITIES-CHECK LOCAL CODES

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Revised

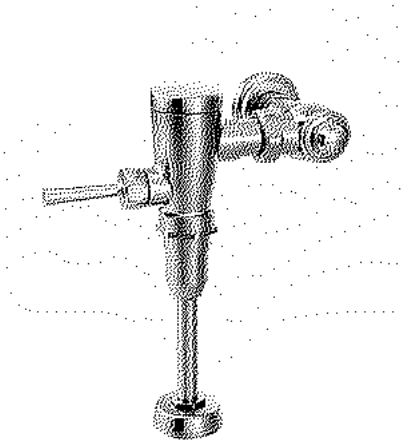
Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-315-MO_URN-01

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Urinal Flush Valve
Item Type	Urinal Flush Valve - Manual
Description	M-Dura Exposed Flush Valves - Manual Operation 1.0 GPF Wall Mounted
Manufacturer	Moen
Model	8312M10
Dimensions	Refer to attachment
Color	CP
Finish	Polished Chrome
Material Composition	Brass construction
Global Specification	Y
CSI #	224200
Omniclass #	22-224200
Quality Standards	ASME A112.19.2M; ASSE 1037 ; IAPMO
Accessibility Compliance	Compliance with ADA ICC/ANSI A117.1
Part of an Assembly	N
Flow Rate	1.0 GPF
Warranty	Warranted for 5 years against material or manufacture defects.



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 2

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 3

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 4

AREAS

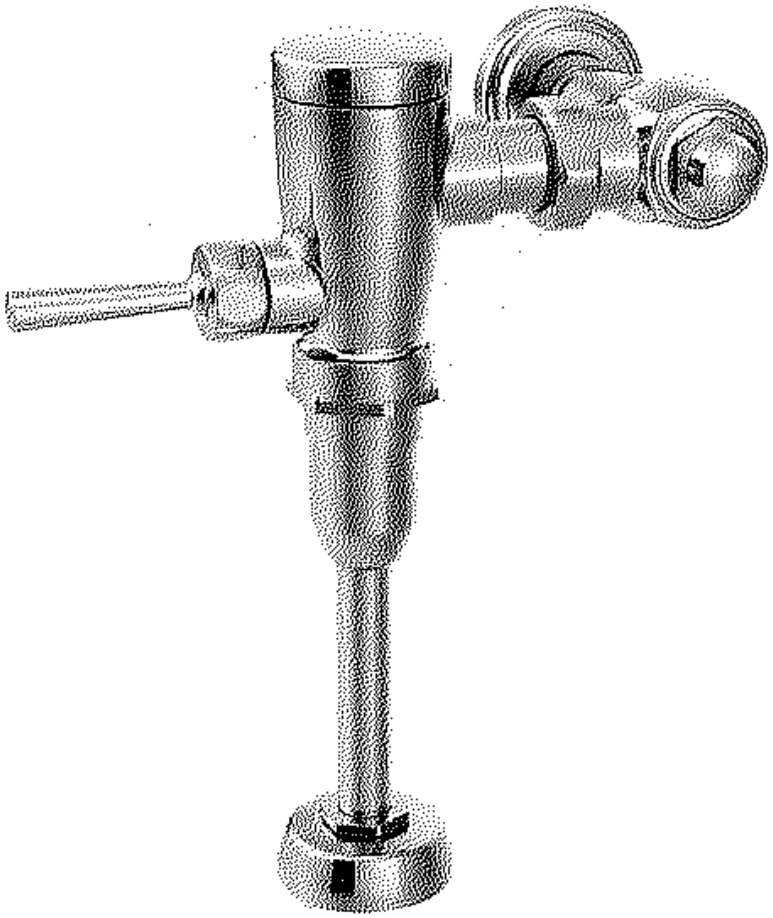
Public Restrooms

Moen Incorporated

Model: 3/4” Manual Exposed Style Urinal Flush Valve

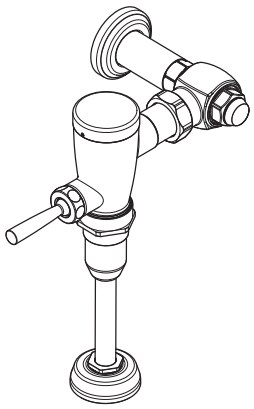
Model Number: 8312M10

Color/Finish: Polished Chrome



MOEN®
COMMERCIAL

Specifications



3/4" Manual Exposed Style Urinal Flush Valve

BUY AMERICAN ACT COMPLIANT

PRODUCT DESCRIPTION
- Manual exposed urinal flushometer with brass angle stop valve
- Cast brass construction with chrome electroplated finish
- Chloramines resistant seals
- 3/4" IPS inlet supply
- 3/4" top spud
- High back pressure vacuum breaker
- ADA compliant handle with dual o-ring seals

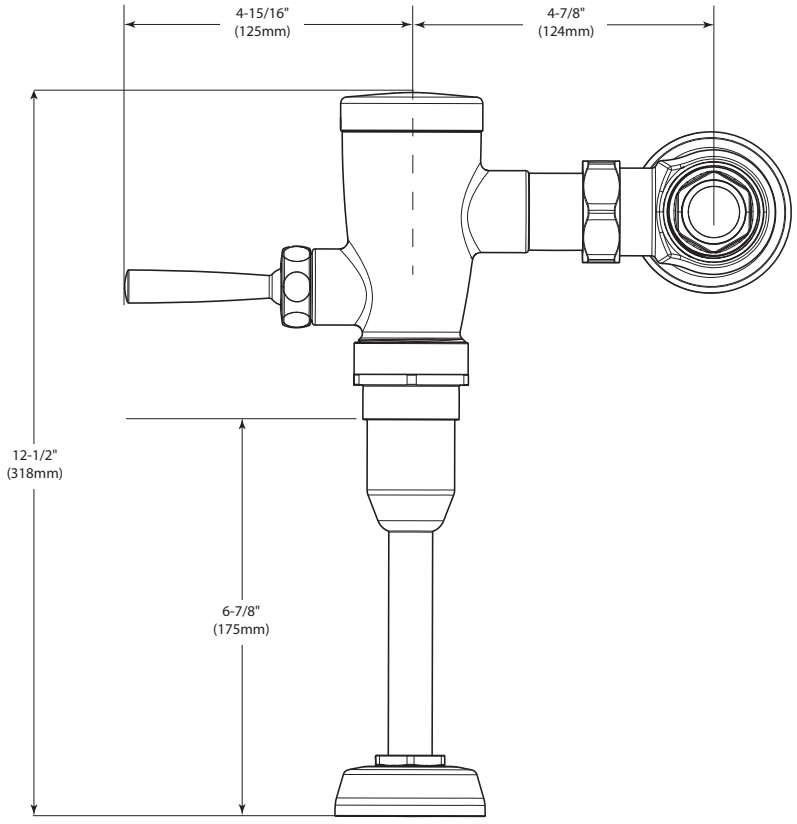
OPERATION
- Operating pressures: 15 to 120 psi
- AccuSet™ piston technology
- Self-cleaning filter

FLOW
☐ **8312M10** (1.0 gpf/3.8 lpf)
☐ **8312M05** (0.5 gpf/1.9 lpf) **–WaterSense certified**
☐ **8312M0125** (0.125 gpf/0.5 lpf) **–WaterSense certified**
☐ **8314M10** (1.0 gpf/3.8 lpf) –1-1/4" top spud

STOP VALVE
- 3/4" IPS vandal resistant control stop
- Solid brass with chloramines resistant face seal

STANDARDS
- Third party certified by IAPMO and CSA to meet ASME A112.19.2M and all applicable requirements referenced therein and complies with requirements of ASSE 1037
- **ADA**

WARRANTY
- Warranted for 5 years against material or manufacturing defects



CRITICAL DIMENSIONS

(DO NOT SCALE)

01/25/2013 SPC13607
Released 001

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-316-DE_URN-01

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Flush Valve
Item Type	Flush Valve
Description	Electronic exposed flush valve, TECK, ADA compliant, 1.0 GPF, Wall Mounted
Manufacturer	Delta Faucet Company
Model	81T231BTA-38
Dimensions	Refer to attachment
Color	Chrome
Finish	Polished
CSI #	224200 - Plumbing Fixture
Omniclass #	22-224200 Plumbing Fixture
Quality Standards	ASSE 1037
Accessibility Compliance	ADA Compliant, ASME 117.1

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Delta Faucet Company
Contact Name: Emily Mueller
Phone: (210) 870-9932
Email: emily.mueller@deltafaucet.com

ALTERNATE MANUFACTURER 2

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 3

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 4

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

AREAS

Public Restrooms

Electronic Exposed TECK® Flush Valves

TECK® COMMERCIAL

DELTA

❑ **81T231BTA**
– Exposed Battery Operated
3/4" Top Inlet Urinal Fixture

- Polished chrome plated vandal resistant metal cover with top mounted sensor operated H_2OPTICS™ electronics
- Right or left-hand supply installation
- ADA compliant, automatic operation battery powered infrared sensor
- Scratch resistant replaceable lens window
- Four (4) size AA alkaline batteries factory installed with valve in sleep mode for easy installation
- Hinged battery housing for easy maintenance
- Low battery flashing light (5000 flushes remaining) with battery strength indicator
- Infrared sensor range adjustment of 457mm-914mm (18" - 36"), factory set at 28" (±2")
- Optional 24 hour automatic flush factory set to ON
- Set-up sensor range adjustment indicator lights
- 6 VDC input, 8 second arming delay
- Electronic operated non-hold-open **metal** manual override button with 5 second lockout
- Quiet action, TECK® exposed diaphragm flush valve
- Chloramine resistant diaphragm
- Forged brass diaphragm retainer
- Renewable seat
- Polished chrome plated finish
- **External water conserving flush adjustment,** factory set at 60 PSI to 1.9 litre (.50 US gal.)
- **1" FIP / 3/4" copper sweat inlet adaptor,** angle check stop with protecting cap
- Adjustable 121mm (4-3/4") plus or minus 11mm (7/16") inlet/valve outlet centers
- Vacuum breaker
- Cover tube, stainless steel wall flange, spud flange, spud nut, and 330mm (13") outlet tube.

❑ **81T231BTA-38**
Same as 81T231BTA, but set at 60 PSI to 3.8 litre (1.0 US gal), **Not Field Adjustable**

❑ **81T231BTA-19**
Same as 81T231BTA, **Not Field Adjustable**

❑ **81T231BTA-05**
Same as 81T231BTA, but set at 60 PSI to 0.5 litre (0.13 US gal), **Not Field Adjustable**

Electronic Exposed TECK® II Flush Valve Retrofit Kits

❑ **81T231BTA-20**
Same as 81T231BTA, but LESS stop, cover tube and wall flange

❑ **81T231BTA-20-38**
Same as 81T231BTA-20, but set at 60 PSI to 3.8 litre (1.0 US gal), **Not Field Adjustable**

❑ **81T231BTA-20-19**
Same as 81T231BTA-20, **Not Field Adjustable**

❑ **81T231BTA-20-05**
Same as 81T231BTA-20, but set at 60 PSI to 0.5 litre (0.13 US gal), **Not Field Adjustable**

Note: Measurements may vary ± 6mm (0.25")

Approvals:
- CSA certified
- Complies to ASSE 1037
- ADA Compliant and meets Handicapped Accessibility Standard ASME A117.1 of less than 5 lbs. operating force.
- IAPMO listed

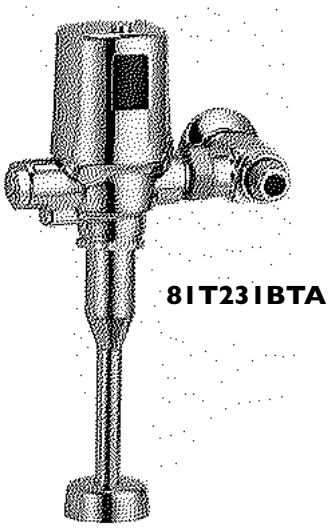
(Contact Delta Representative for State and/or Local Approvals.)

U.S. Patent # 6, 826, 455
Other Patents Pending

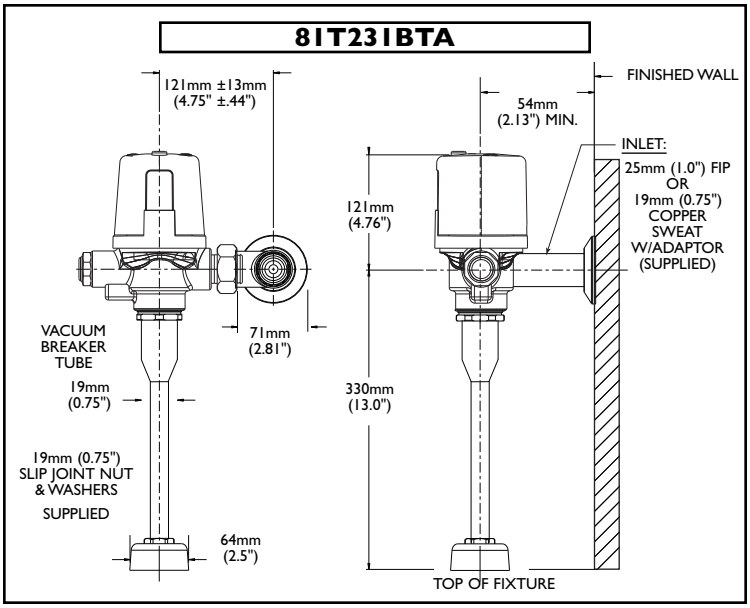
Engineer/Architect Approval

Model Specified:

Approval: Date:



H_2OPTICS™



Note: For high and low pressure applications, please see page FEA-81T High Water Pressure note for more details. Verify flow requirements with bowl manufacturer.

Refer to www.specselect.com for individual models.

Note: Use this page as a product submittal sheet.

Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.specselect.com for finish options and product availability.

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-316-LI_URN-01

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Urinal Flush Valve
Item Type	Auto Urinal Flush Valve
Description	Selectronic Sensor Operated Flush Valve 1.0 GPF Wall Mounted
Manufacturer	American Standard (Lixil Parent Company)
Model	6063.101.002 (1.0 GPF)
Dimensions	Refer to attachment
Color	CP
Finish	Polished Chrome
Material Composition	Durable chrome-plated cast brass construction
Global Specification	Y
CSI #	224200
Omniclass #	22-224200
Quality Standards	Meets ASSE 1037; ANSI/ASME A112.19.2
Accessibility Compliance	Compliance with ADA
Part of an Assembly	N
Warranty	ONE YEAR LIMITED WARRANTY FOR COMMERCIAL FIXTURES

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 2

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 3

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms

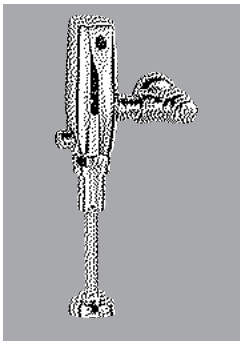
American Standard Inc

Model: Selectronic Urinal Flush Valve
Model Number: 6063.101.020 (1.0 GPF)

Color/Finish: Polished Chrome

American Standard
Style That Works Better

SELECTRONIC™ URINAL FLUSH VALVE
BATTERY POWERED, SENSOR OPERATED, 1.0 GPF



MODEL NUMBER:

- ❑ **6063.101.002** Flush Valve for 3/4" top spud urinals, 1.0 gpf.
- ❑ **6063.510.002** Retrofit for Existing Flush Valves, 1.0 gpf. Replaces industry standard manual and electronic valves. Does not include the vacuum breaker assembly, angle stop or sweat solder kit.

GENERAL DESCRIPTION:
Exposed, Battery Powered, Sensor Operated Selectronic™ Urinal Flush Valve for 3/4" top spud urinals.
Inlet includes 3/4" I.P.S. angle stop with back-flow protection, vandal-resistant cap, sweat solder kit, cover tube and wall flange.
Outlet includes 3/4" vacuum breaker with adjustable tailpiece, spud coupling and flange.

PRODUCT FEATURES:
- Exclusive Pressure Compensation feature allows the flush valve to deliver a constant flush volume regardless of water pressure.
- Flush Valve can not be adjusted to deliver more or less water, ensuring water savings & performance.
- Electronic flush valve with Selectronic™ proximity system for "Hands Free" operation.
- Self-Cleaning Piston with integral wiper spring prevents clogging and reduces maintenance.
- Piston operation delivers superior flush accuracy and repeatability.
- Fully Mechanical Manual Override Button can operate for an unlimited time without power.
- Valve remains closed and does not need to be reset after loss of power or water pressure.
- Sanitary Flush: Valve automatically flushes after 24 hours of non-use to clean fixture & maintain trap seal.
- Stadium Feature: Valve automatically switches to water savings mode during periods of high usage.
- Sensor & electronic controls are fully encloses and water resistant.
- Range can be adjusted manually or with optional remote control.
- Chemical resistant EPDM seals are unaffected by chloramines & other chemicals.
- Adjustable tailpiece.
- Factory-installed CR-P2 lithium battery included.
- No external volume adjustment.
- Can be installed left or right handed.

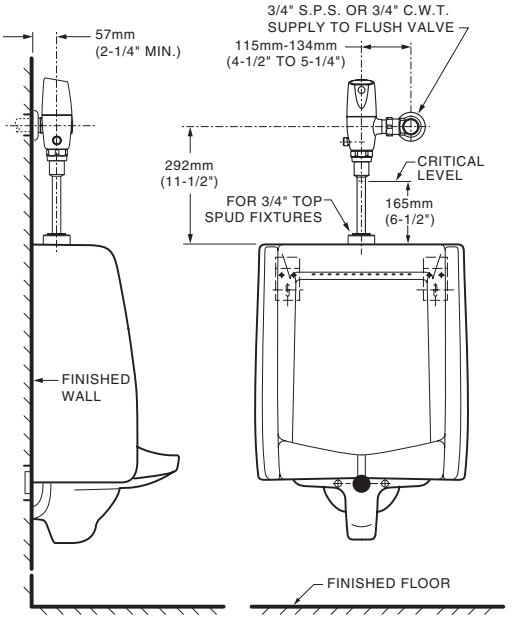
OPERATING PRESSURE:
Overall Range: 20-125 psi**
Recommended: 20 psi (Flowing)-80 psi (static)

FLOW REQUIREMENT:
10gpm (37.9 L/min.)

** Water pressure over 80 psi is not recommended for most plumbing fixtures.

BATTERY LIFE:
200,000 cycles (4 years @ 4000 cycles per month)

ACCESSORIES:
- Cast wall flange (3/4")



RECOMMENDED SPECIFICATION:
Electronic proximity infrared sensor activated urinal flush valve shall feature self-cleaning piston valve with integral wiper spring in refill orifice to prevent clogging. Includes cast brass valve body and metal cover with chrome finish, vandal resistant stop cap and lithium battery. Angle stop with back-flow protection and vacuum breaker included. 1.0 gpf / 3.8 Lpf Flush valve shall be American Standard Model # 6063.101.002, 6063.510.002.

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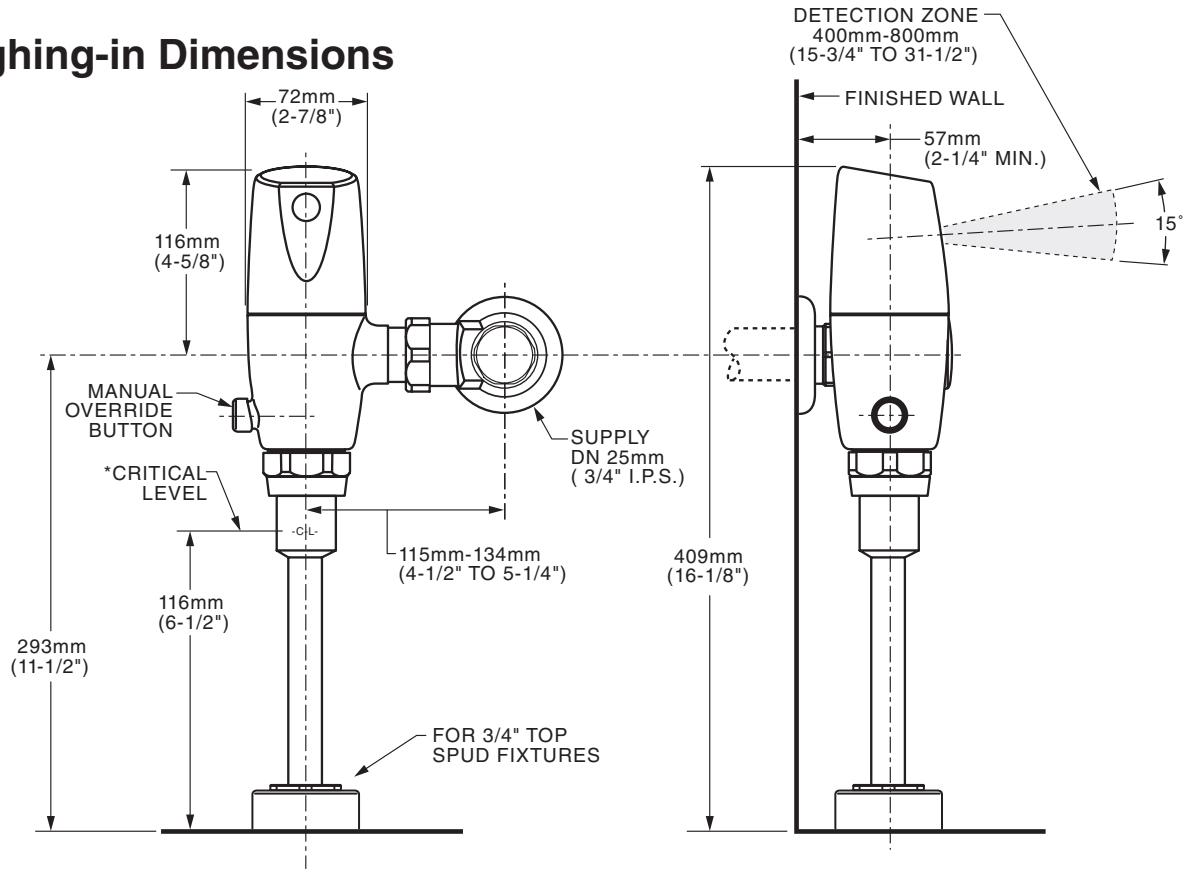
American Standard
Style That Works Better

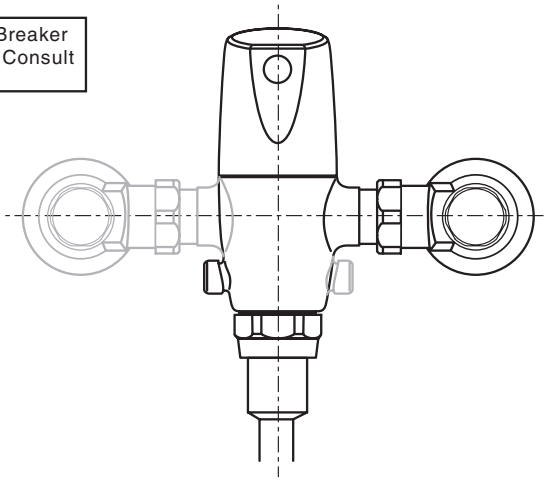
SELECTRONIC™ URINAL FLUSH VALVE
BATTERY POWERED, SENSOR OPERATED, 1.0 GPF

LISTINGS:
- ASSE 1037
- ANSI/ASME A112.19.2
- ADA Compliant

Roughing-in Dimensions



*Note: The Critical Line (-C-L-) on Vacuum Breaker must typically be 6" (152mm) above fixture. Consult Codes for details.



Right or Left Hand Installation

MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 REQUIREMENTS FOR ACCESSIBLE AND USABLE BUILDING FACILITIES-CHECK LOCAL CODES

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Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-316-MO_URN-01

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Urinal Flush Valve
Item Type	Auto Urinal Flush Valve
Description	M-Power Sensor Operated Flush Valve 1.0 GPF Wall Mounted
Manufacturer	Moen
Model	8312 - 3/4” Battery Powered Exposed Style
Dimensions	Refer to attachment
Color	CP
Finish	Polished Chrome
Material Composition	Brass construction
Global Specification	Y
CSI #	224200
Omniclass #	22-224200
Quality Standards	ASME A112.19.2M; ASSE 1037
Accessibility Compliance	Compliance with ADA ICC/ANSI A117.1
Part of an Assembly	N
Flow Rate	1.0 GPF
Warranty	Warranted for 5 years against material or manufacture defects.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 2

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 3

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms

Moen Incorporated

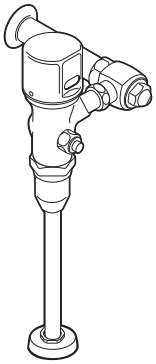
Model: 3/4” Battery Powered Exposed Style Urinal Flush Valve

Model Number: 8312

Color/Finish: Polished Chrome

MOEN®
COMMERCIAL

Specifications



3/4 " Battery Powered Exposed Style Urinal Flush Valve

Model: 8312

PRODUCT DESCRIPTION
- Brass construction w/chrome plated finish
- 3/4" IPS supply
- 3/4" top spud

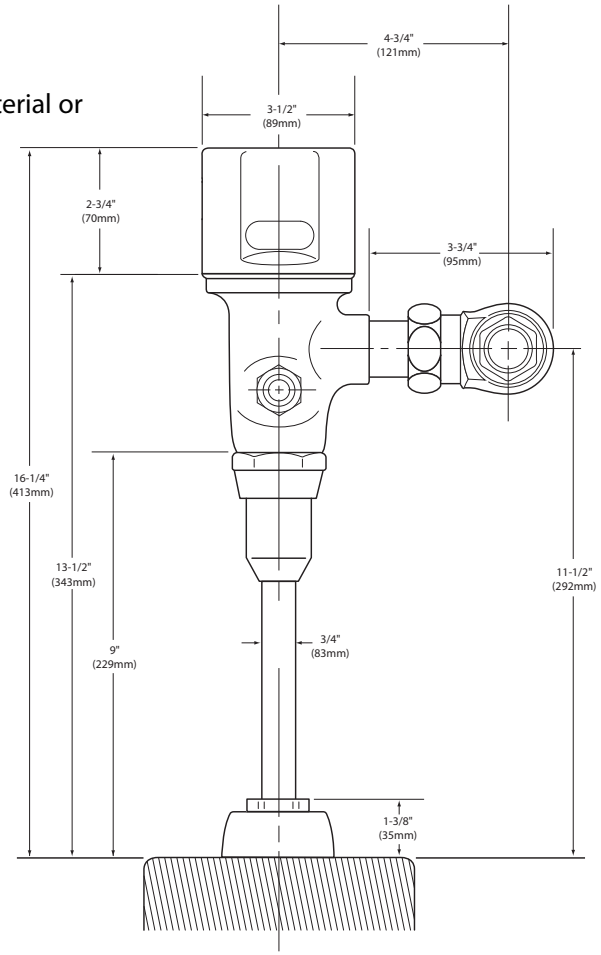
OPERATION
- Adjustable sensor eyes
- Battery powered (4) standard AA (included)
- Average battery life 250,000 cycles
- Self-diagnostic electronics
- Piston flushing mechanism
- Self cleaning filter system
- Low battery indicator light

FLOW
- Operating pressures 10 to 125 psi
- 1.0 gpf (gallons per flush)
- 24 hour sentinel flush
- Manual override button

VALVES
- 3/4" IPS angle stop (vandal resistant)
- Adjustable installation (left or right connection)

STANDARDS
- Third party certified by IAPMO and CSA to meet ASME A112.19.2M and all applicable requirements referenced therein and complies with requirements of ASSE 1037
- **ADA**

WARRANTY
- Warranted for 5 years against material or manufacture defects.



CRITICAL DIMENSIONS

(DO NOT SCALE)

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-317-KO_URN-01

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Urinal Flush Valve
Item Type	Urinal Flush Valve
Description	"Exposed Flush Valve" Touchless "Wave" Technology 0.50 GPF Wall Mounted
Manufacturer	Kohler
Model	K-10675-SV-CP - “WAVE” DC 0.5 GPF URINAL Flushometer
Dimensions	Refer to attachment
Color	CP
Finish	Polished Chrome
Material Composition	Brass construction
Global Specification	Y
CSI #	224200
Omniclass #	22-224200
Quality Standards	Meets ASME A112.18.1/CSA B125.1; ASSE 1037; CSA B651
Accessibility Compliance	Compliance with ADA ICC/ANSI A117.1
Water Sense	Meets EPA Criteria
Part of an Assembly	N
Eco-Feature(s) *as per manufacturer	EPA WaterSense®
Flow Rate	0.5 gpf
Warranty	KOHLER® One-Year Limited Warranty
Notes	Alternate for water conservation to be used with 0.50 gpf Urinal.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 2

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 3

Vendor Name: Moen
Contact Name: Jason Reynolds

AREAS

Public Restrooms

Phone: (407) 340-3249 Email: Jason.Reynolds@fbgpg.com	
ALTERNATE MANUFACTURER 4	

Kohler Company

Model: **“WAVE” DC 0.5 GPF URINAL Flushometer**

Model Number: **K-10675-SV-CP**

KOHLER. Faucets

WAVE DC 0.5 GPF Urinal Flushometer
K-10675-SV

Features
- Fixture-mount design.
- Includes 1.5 V AA batteries.

Material
- Brass construction.

Technology
- Electronic infrared sensor with WAVE technology for accurate activation.
- Slow-closing piston technology.

Installation
- Intended for urinal installations with 3/4" spud coupling connection.

Optional Accessories
GP1118986 Flushometer Extension Kit

ADA | CSA B651 | OBC

Codes/Standards
ASME A112.18.1/CSA B125.1
ASSE 1037
EPA WaterSense®
California Energy Commission (CEC)
ADA
ICC/ANSI A117.1
CSA B651
OBC

KOHLER® One-Year Limited Warranty
See website for detailed warranty information.

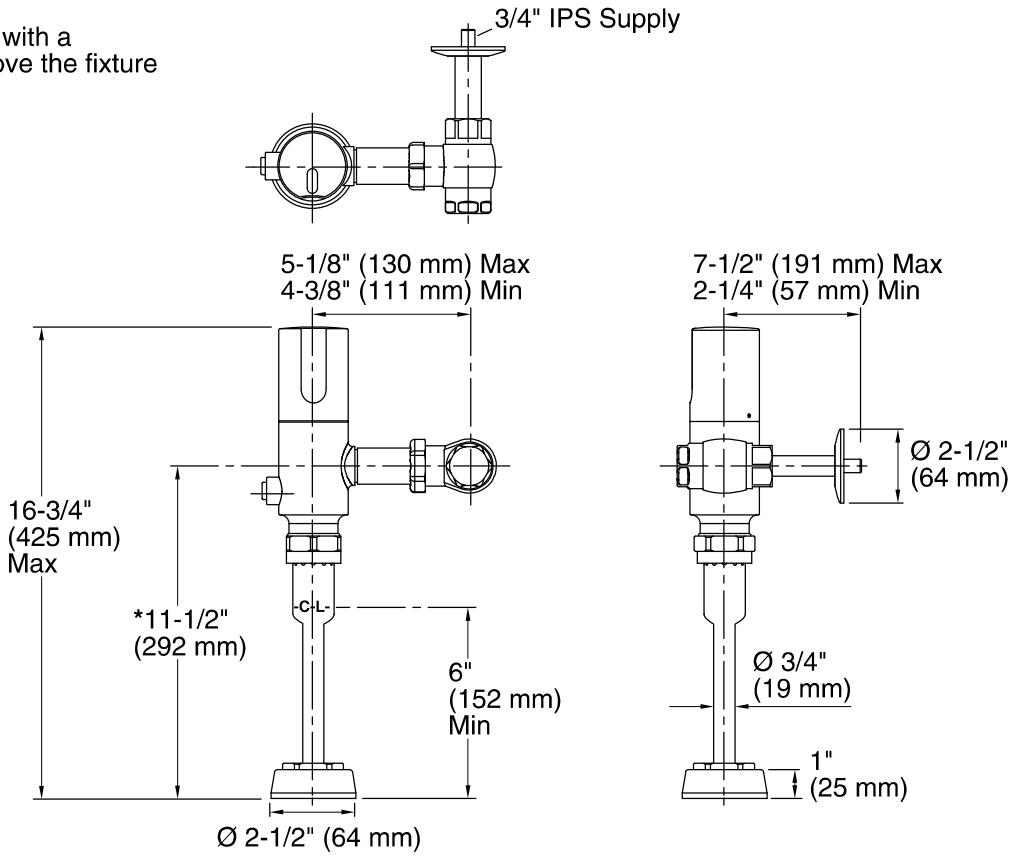
Available Color/Finishes
Color tiles intended for reference only.

Color	Code	Description
	CP	Polished Chrome

KOHLER. Faucets

WAVE DC 0.5 GPF Urinal Flushometer
K-10675-SV

*10-3/4" (273 mm) minimum with a
6" (152 mm) critical level above the fixture



Technical Information
All product dimensions are nominal.

Pressure and Supply Requirements

Fixture flow rate min:	10 gpm (37.9 lpm)
Fixture pressure max (static):	80 psi (551.6 kPa)
Power source:	AA 1.5 V, included

Notes
Install this product according to the installation guide.

ADA, OBC, CSA B651 compliant when installed to the specific requirements of these regulations.

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-317-MO_URN-01

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Urinal Flush Valve
Item Type	Auto Urinal Flush Valve
Description	M-Power Sensor Operated Flush Valve 0.50 GPF Wall Mounted
Manufacturer	Moen
Model	8315 - 3/4” Battery Powered Exposed Style
Dimensions	Refer to attachment
Color	CP
Finish	Polished Chrome
Material Composition	Brass construction
Global Specification	Y
CSI #	224200
Omniclass #	22-224200
Quality Standards	ASME A112.19.2M; ASSE 1037 ; IAPMO
Accessibility Compliance	Compliance with ADA ICC/ANSI A117.1
Water Sense	Meets EPA Criteria
Part of an Assembly	N
Eco-Feature(s) *as per manufacturer	WaterSense®-labeled
Flow Rate	0.50 GPF
Warranty	Warranted for 5 years against material or manufacture defects.
Notes	Alternate for water conservation to be used with 0.50 gpf Urinal.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms

Moen Incorporated

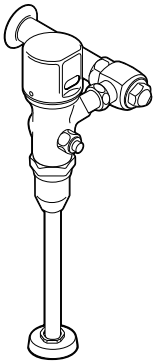
Model: 3/4” Battery Powered Exposed Style Urinal Flush Valve

Model Number: 8315

Color/Finish: Polished Chrome

MOEN®
COMMERCIAL

Specifications



3/4 " Battery Powered Exposed Style Urinal Flush Valve

Model: 8315

WaterSense Meets EPA Criteria
Certified by IAPMO R&T

PRODUCT DESCRIPTION
- Brass construction w/chrome plated finish
- 3/4" IPS supply
- 3/4" top spud

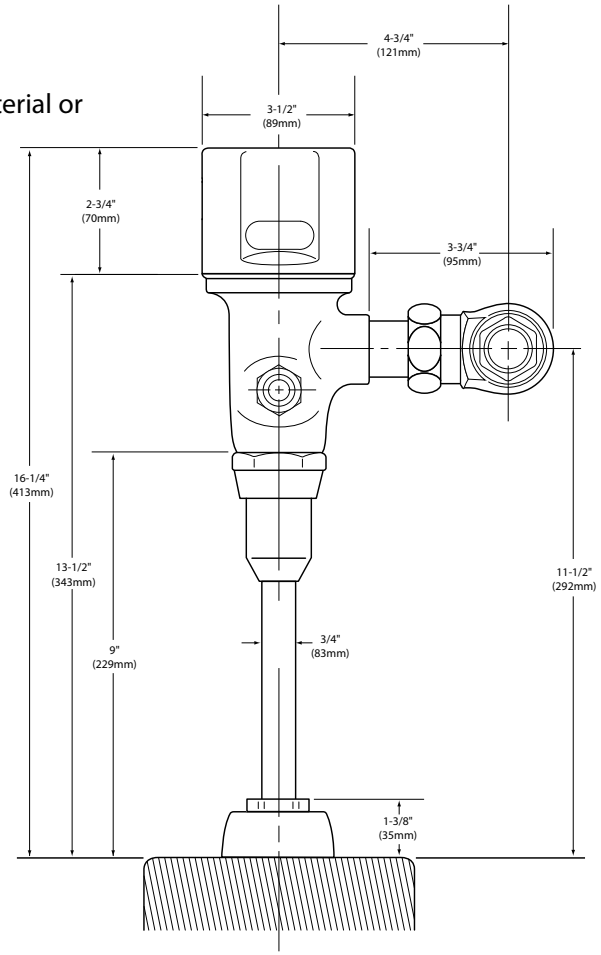
OPERATION
- Adjustable sensor eyes
- Battery powered (4) standard AA (included)
- Average battery life 250,000 cycles
- Self-diagnostic electronics
- Piston flushing mechanism
- Self cleaning filter system
- Low battery indicator light

FLOW
- Operating pressures 10 to 125 psi
- 0.5 gpf/1.9Lpf (gallons per flush)
- 24 hour sentinel flush
- Manual override button

VALVES
- 3/4" IPS angle stop (vandal resistant)
- Adjustable installation (left or right connection)

STANDARDS
- Third party certified by IAPMO and CSA to meet Watersense®, ASME A112.19.2M and all applicable requirements referenced therein and complies with requirements of ASSE 1037
- **ADA**

WARRANTY
- Warranted for 5 years against material or manufacture defects.



CRITICAL DIMENSIONS

(DO NOT SCALE)

10/16/2012 SPC11293 5000015226 Released

URN-02 Public Restroom Urinal

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-314-KO_URN-02

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Urinal
Item Type	Urinal
Description	"Freshman Urinal" 1.0 GPF 14-1/4" H x 16-1/4" W x 12-1/2" D Wall Mounted
Manufacturer	Kohler
Model	K-4989-T-0 - Freshman Urinal
Dimensions	Refer to attachment
Color	White
Material Composition	Vitreous china
Global Specification	Y
CSI #	224200
Omniclass #	22-224200
Quality Standards	Meets ASME A112.19.2; IAPMO/UPC; EPACT
Accessibility Compliance	Meets ADA-ANSI A117.1
Part of an Assembly	N
Eco-Feature(s) *as per manufacturer	WaterSense® compliant when used with WaterSense ushometer
Flow Rate	1.0 GPF
Warranty	KOHLER® One-Year Limited Warranty
Notes	FLUSH VALVE NOT INCLUDED AND MUST BE ORDERED SEPARATELY. PROVIDE SUITABLE REINFORCEMENT FOR ALL WALL SUPPORTS.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 2

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms

Kohler Company

Model: **Freshman Urinal**
Model Number: **K-4989-T-0**

Color/Finish: **White**

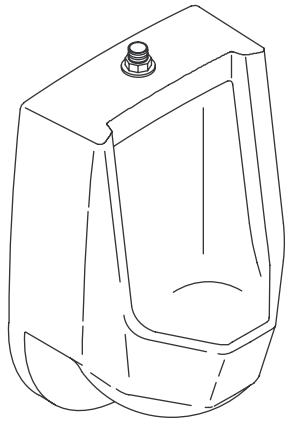
KOHLER®

FRESHMAN™

URINAL
K-4989-T

Features

- *Vitreous china*
- *Siphon jet*
- *3/4″ top spud*
- *Includes inlet and outlet spuds and hangers*
- *1 gpf (3.8 lpf)*



Codes/Standards Applicable

Specified model meets or exceeds the following:

- *ASME A112.19.2*
- *IAPMO/UPC*
- *ICC/ANSI A117.1*
- *Energy Policy Act of 1992 (EPACT)*

Colors/Finishes

- 0: White
- Other: Refer to Price Book for additional colors/finishes

Specified Model

Model	Description	Colors/Finishes	
K-4989-T	3/4″ top spud urinal	❑ 0	❑ Other_____

Product Specification

Siphon jet urinal shall be made of vitreous china with a 3/4″ top spud. Urinal shall include inlet and outlet spuds and hangers. Urinal shall use 1 gpf (3.78 lpf). Urinal shall be Kohler Model K-4989-T-_____.

USA: 1-800-4-KOHLER
Canada: 1-800-964-5590
kohler.com

FRESHMAN™

Technical Information

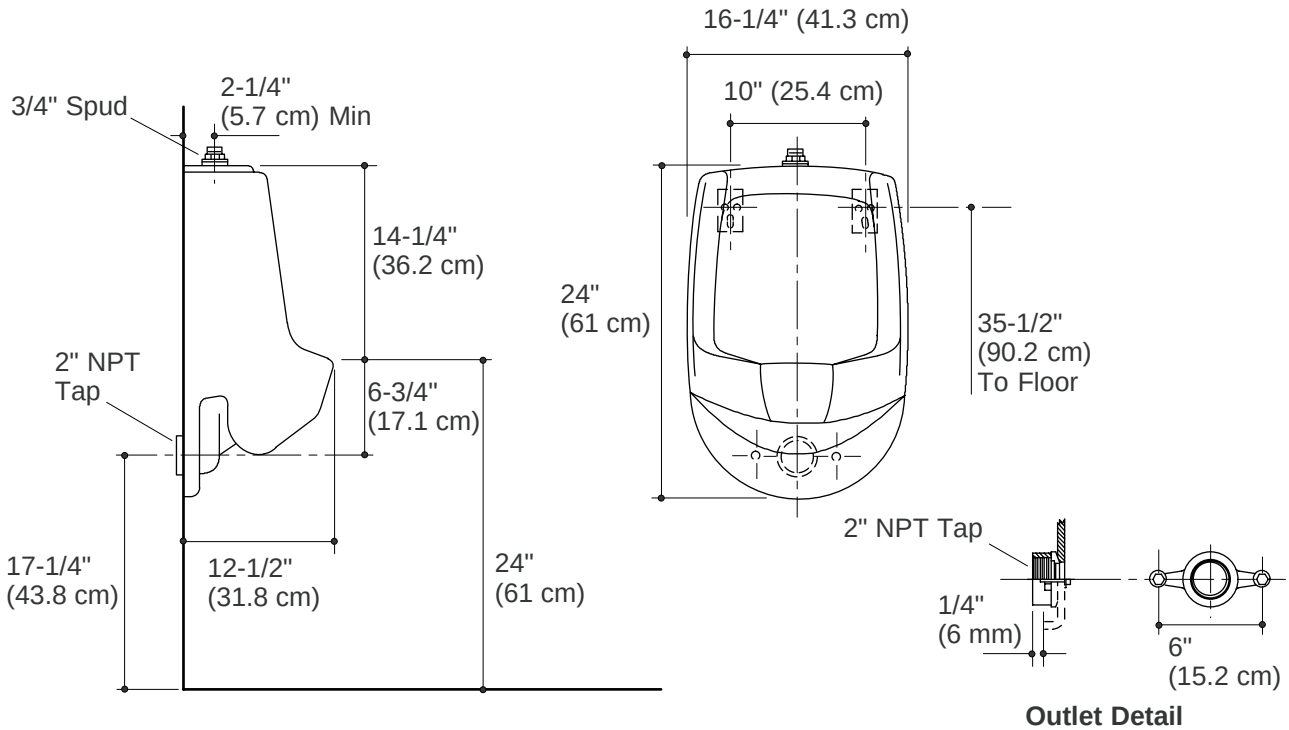
Fixture:	
Configuration	3/4″ top spud
Gallons per flush	1 gal* (3.78 L)
Spud inlet size	3/4″
* Designed to flush with one gallon (3.78 L) of water when installed with a water saving flush valve.	

Included components:	
3/4″ inlet spud	18376
2″ outlet spud	18766
Hanger (2 required)	64512

Installation Notes

Install this product according to the installation guide.

Refer to manufacturer's instructions and local codes for flush valve requirements.



Outlet Detail

Product Diagram

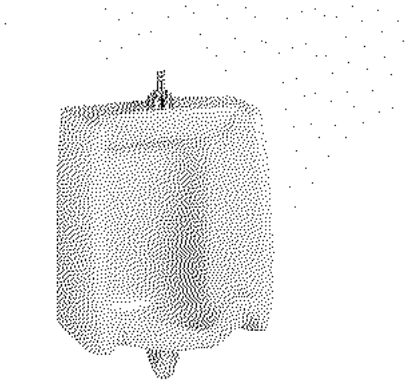
THE BOLD LOOK OF KOHLER®

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-314-LI_URN-02

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:



Item Name	Urinal
Item Type	Urinal
Description	"Washbrook Universal Urinal" 1.0 GPF 18-7/8" x 14-1/8" x 26-1/8" Wall Mounted
Manufacturer	American Standard (Lixil Parent Company)
Model	6590.001.020 - Washbrook Universal Urinal
Dimensions	Refer to attachment
Color	White
Material Composition	Vitreous china
Global Specification	Y
CSI #	224200
Omniclass #	22-224200
Quality Standards	Meets ASME A112.19.2-2008/CSA B45.1-08 for Vitreous China Fixtures;
Accessibility Compliance	Meets ADA-ANSI A117.1
Part of an Assembly	N
Flow Rate	1.0 GPF
Notes	FLUSH VALVE NOT INCLUDED AND MUST BE ORDERED SEPARATELY. PROVIDE SUITABLE REINFORCEMENT FOR ALL WALL SUPPORTS.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 2

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms

American Standard Inc

Model: Washbrook Universal Urinal
Model Number: 6590.001.020

Color/Finish: White

American Standard
Style That Works Better

BARRIER FREE

WASHBROOK® FloWise® UNIVERSAL URINAL
VITREOUS CHINA

WASHBROOK® FloWise® UNIVERSAL URINAL

- Vitreous china
- Ultra High Efficiency, Low Consumption. Operates in the range of 0.125gpf to 1.0gpf (0.5 Lpf to 3.8 Lpf)
- Flushing rim
- Elongated 14" rim from finished wall
- Washout flush action
- Extended sides for privacy
- 3/4" inlet spud
- Outlet connection threaded 2" inside (NPTF)
- 2 wall hangers
- Fixture only
- Strainer included
- Meets ASME flush requirements at 0.125 to 1.0 gpf

❏ **6590.001** Universal Top spud
❏ **6515.001** Universal Back spud

Nominal Dimensions:
360 x 480 x 664mm
(14-1/8" x 18-7/8" x 26-1/8")

Recommended working pressure – between 20 psi at valve when flushing and 80 psi static

Compliance Certifications -
Meets or Exceeds the Following Specifications:
- ASME A112.19.2-2008/CSA B45.1-08 for Vitreous China Fixtures

SEE REVERSE FOR ROUGHING-IN DIMENSIONS

To Be Specified:
❏ Color: ❏ White
❏ Flush Valve:

1.0 gpf Flush Valve: Sensor-Operated:
- ❏ American Standard Selectronic® #6063.101.002 DC Power (Top Spud)
- ❏ American Standard Selectronic® #6062.310.007 AC Power (Back Spud)

1.0 gpf Flush Valve: Manual-Operated:
- ❏ American Standard # 6045.101.002

0.5 gpf Flush Valve: Sensor-Operated:
- ❏ American Standard Selectronic® #6063.051.002 DC Power (Top Spud)
- ❏ American Standard Selectronic® #6062.305.007 AC Power (Back Spud)

0.5 gpf Flush Valve: Manual-Operated:
- ❏ American Standard #6045.051.002

0.125 gpf Flush Valve: Sensor-Operated:
- ❏ American Standard Selectronic® #6063.013.002 DC Power (Top Spud)
- ❏ American Standard Selectronic® #6062.301.007 AC Power (Back Spud)

0.125 gpf Flush Valve: Manual-Operated:
- ❏ American Standard #6045.013.002

WATER EFFICIENT PRODUCT

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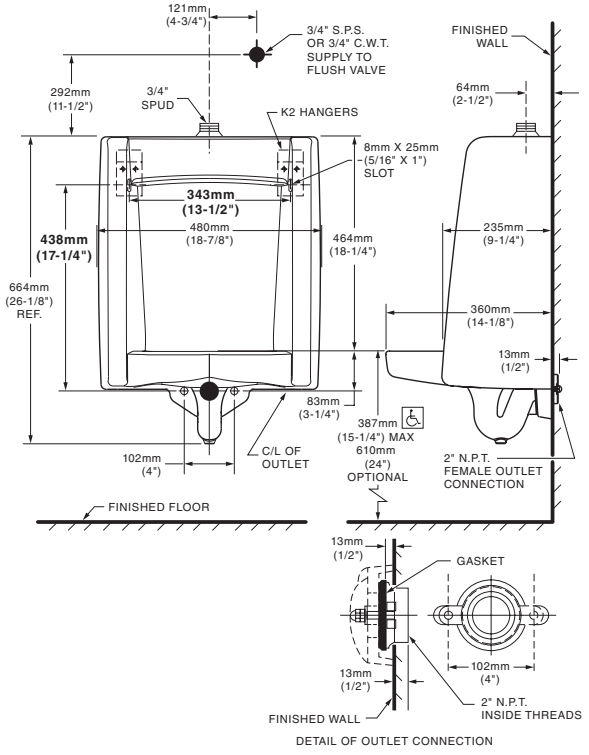
American Standard
Style That Works Better

BARRIER FREE

WASHBROOK® FloWise® UNIVERSAL URINAL

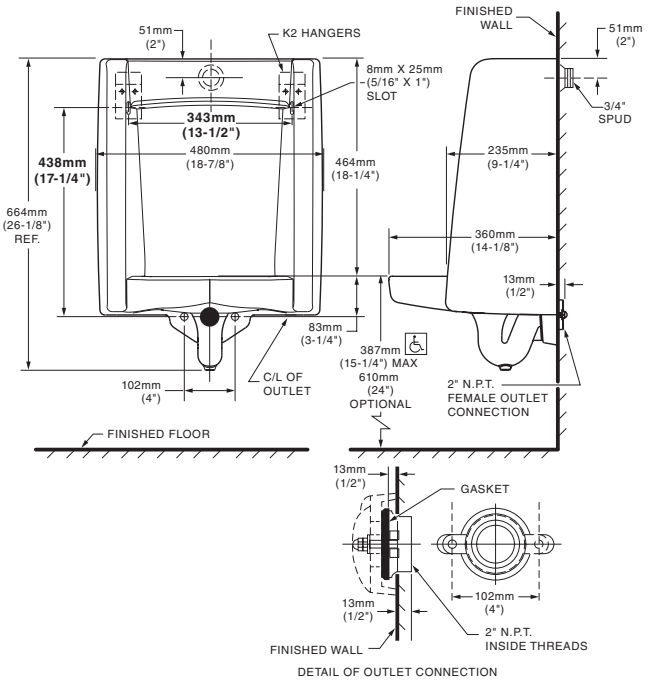
VITREOUS CHINA

6590.001 TOP SPUD



DETAIL OF OUTLET CONNECTION

6515.001 BACK SPUD



DETAIL OF OUTLET CONNECTION

MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES - CHECK LOCAL CODES.

- When installed so top of rim is 387mm (15-1/4") from finished floor.

NOTES:
FLUSH VALVE NOT INCLUDED AND MUST BE ORDERED SEPARATELY.
PROVIDE SUITABLE REINFORCEMENT FOR ALL WALL SUPPORTS.

IMPORTANT: Dimensions of fixtures are nominal and may vary within the range of tolerances established by ANSI Standard A112.19.2. These measurements are subject to change or cancellation. No responsibility is assumed for use of superseded or voided pages.

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Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-315-DE_URN-02

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Flush Valve
Item Type	Flush Valve
Description	Exposed flush valve, manual operation, ADA compliant, 1.0 GPF, Wall Mounted
Manufacturer	Delta Faucet Company
Model	81T231
Dimensions	Refer to attachment
Color	Chrome
Finish	Polished
CSI #	224200 - Plumbing Fixture
Omniclass #	22-224200 Plumbing Fixture
Quality Standards	ASSE 1037
Accessibility Compliance	ADA Compliant, ASME 117.1

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Delta Faucet Company
Contact Name: Emily Mueller
Phone: (210) 870-9932
Email: emily.mueller@deltafaucet.com

ALTERNATE MANUFACTURER 2

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 3

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 4

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

AREAS

Public Restrooms

DELTA COMMERCIAL

Flush Valves

Exposed Flush Valves-Manual Operation

Model No: 81T231

COMPLIES WITH:

- CSA certified.
- Complies to ASSE 1037
- IAPMO listed
- ADA compliant and meets Handicapped Accessibility Standard ASME 117.1 of less than 5 lbs operating force
- (Contact Delta Representative for State and/or Local Approvals)

SPECIFICATION:

- Quiet action, Teck® exposed diaphragm flush valve
- polished chrome plated finish
- vandal resistant cover screw
- metal "non hold open" ADA Compliant oscillating handle
- vacuum breaker
- renewable seat
- *Chloramine resistant diaphragm attached to guide with forged metal retainer.
- spud flange and concealed spud nut
- For flushing urinals with 3/4" top spud
- maximum 330mm(13") from centerline of valve inlet to top of urinal
- external water conserving flush volume adjustment
- 1" FIP/3/4" Copper sweat inlet adaptor for angle check stop with protecting cap
- adjustable 121mm (4.75”) plus or minus 11mm (7/16”) inlet/valve outlet centers
- Cover tube and wall flange
- 2.7 Litre (0.70 US GAL.) Factory Set Flush at 60 psi- FIELD ADJUSTABLE from 0.47 to 3.78 Litre Flush (1/8 to 1.0 US GAL.)

OPERATION:

- Not Available

(Dimensional drawing on following page)

Delta reserves the right (1) to make changes to specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference. Measurement may vary plus or minus 6mm(0.25"). Mounting locations are suggested only. Check with local codes for requirements in your area.

Delta Faucet Company - 55 East 111th St. - Indianapolis, Indiana, USA 46280 - (317) 848-1812
Delta Faucet Canada - 395 Matheson Blvd E - Mississauga, Ontario, Canada L4Z 2H2 - (905) 712-3030

Model No: 81T231

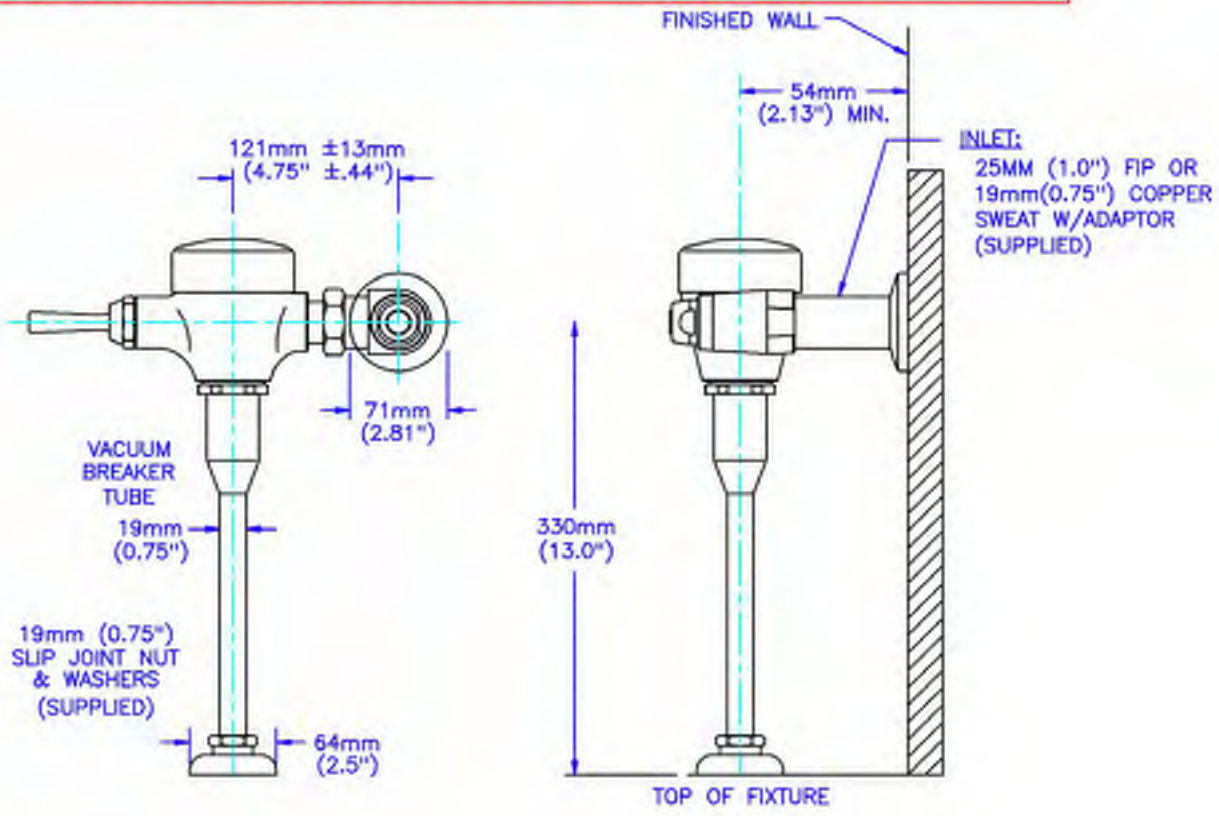
– FACTORY SET FOR 2.7 LITRE (0.7 US GAL.) FLUSH AT 60 PSI
– FIELD ADJUSTABLE FLUSH FROM .47L TO 3.78L (1/8 TO 1.0 US GAL.)

THE RECOMMENDED FLUSH VALVE OPERATING PRESSURE RANGE IS BETWEEN 35 & 65 PSI. PRESSURES OVER 75PSI LEAD TO AN INCREASE IN NOISE, WATER COULD SPLASH OUT OF THE FIXTURE MORE EASILY, AND THE LIFE OF ANY PLUMBING VALVE MAY BE SHORTENED.

FOR PRESSURES OVER 75PSI, A PRESSURE REDUCING VALVE IS RECOMMENDED.

FLUSH VALVES DO NOT PROVIDE A WATER SUPPLY; THEY ARE MERELY AUTOMATICALLY TIMED SELF-CLOSING VALVES. THE INLET SUPPLY PIPING IS THE WATER RESERVOIR THAT MUST SUPPLY SUFFICIENT WATER VOLUME IN A SHORT PERIOD OF TIME TO PROPERLY FLUSH THE FIXTURE.

WE STRONGLY RECOMMEND THAT PIPING CALCULATIONS BE DONE FOE ALL INSTALLATIONS TO INSURE PROPER WATER SUPPLY SIZES. CALL TECHNICAL SERVICE FOR DETAILS.



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Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-315-KO_URN-02

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Urinal Flush Valve
Item Type	Urinal Flush Valve - Manual
Description	Exposed Flush Valves - Manual Operation 1.0 GPF Wall Mounted
Manufacturer	Kohler
Model	K-13518-CP
Dimensions	Refer to attachment
Color	CP
Finish	Polished Chrome
Material Composition	Brass construction
Global Specification	Y
CSI #	224200
Omniclass #	22-224200
Quality Standards	Meets ASME A112.18.1/CSA B125.1; ASSE 1037; CSA B651; CSA B125.37
Accessibility Compliance	Compliance with ADA ICC/ANSI A117.1
Part of an Assembly	N
Warranty	KOHLER® One-Year Limited Warranty

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 2

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 3

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms

Kohler Company

Model: **Manual 1.0 GPF Washdown Flushometer**

Model Number: **K-13518-CP**

KOHLER. Faucets

Manual 1.0 GPF Wshdwn Flushometer
K-13518

Features
- Fixture-mount design.

Material
- Brass construction.

Technology
- Non-hold open piston technology for accurate activation.

Installation
- Intended for urinal installations with 3/4" spud coupling connection.

Optional Accessories
GP1118986 Flushometer Extension Kit

ADA | **CSA B651** | **OBC**

Codes/Standards
ASME A112.18.1/CSA B125.1
CSA B125.3
CSA B64
ASSE 1037
ADA
ICC/ANSI A117.1
CSA B651
OBC

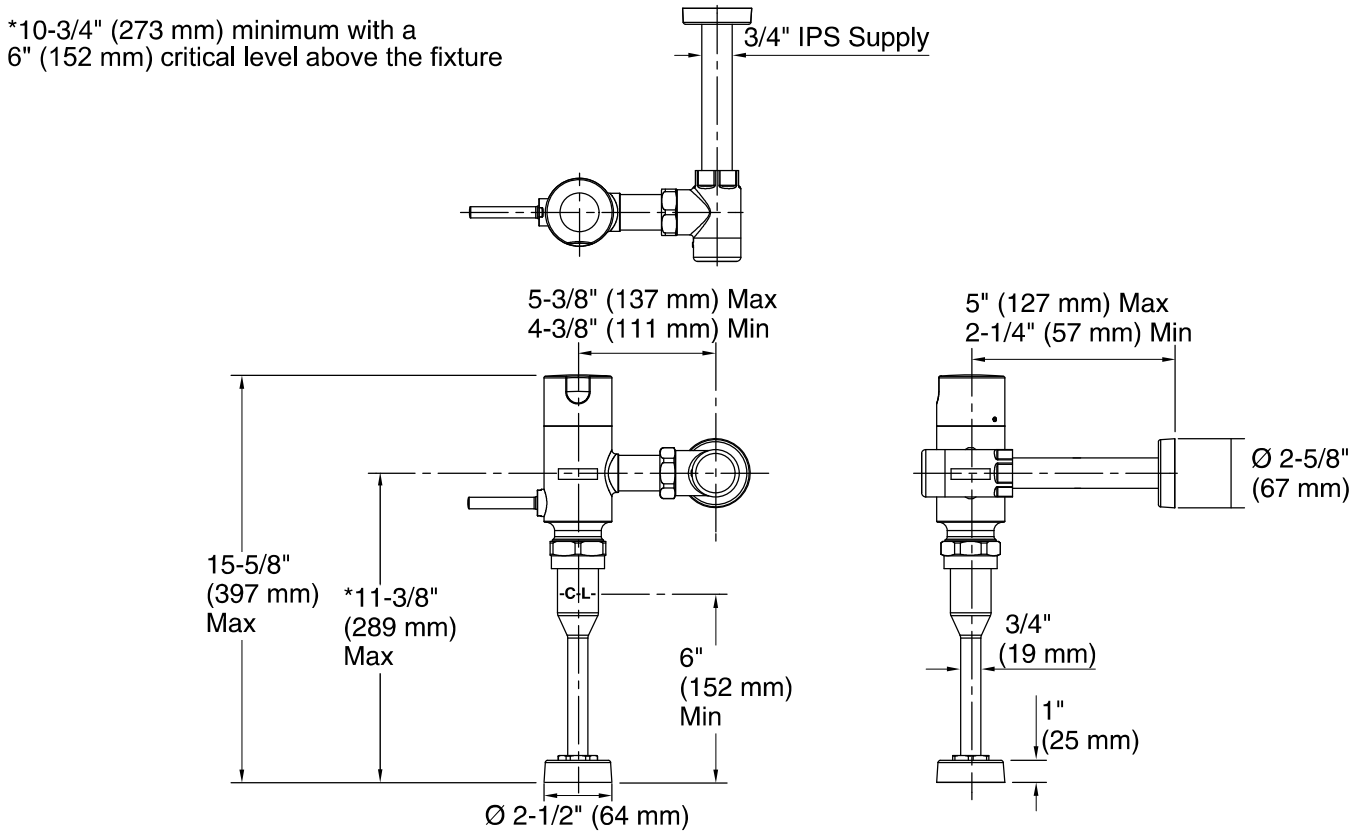
KOHLER® One-Year Limited Warranty
See website for detailed warranty information.

Available Color/Finishes
Color tiles intended for reference only.

Color	Code	Description
	CP	Polished Chrome

KOHLER. Faucets

Manual 1.0 GPF Wshdwn Flushometer
K-13518



Technical Information
All product dimensions are nominal.

Pressure and Supply Requirements
Fixture flow rate min: 10 gpm (37.9 lpm)

Fixture pressure max (static): 80 psi (551.6 kPa)

Notes
Install this product according to the installation guide.

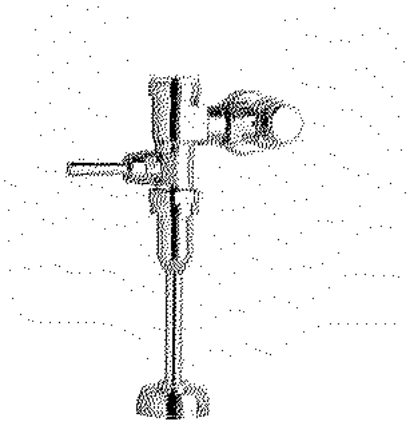
ADA, OBC, CSA B651 compliant when installed to the specific requirements of these regulations.

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-315-LI_URN-02

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:



Item Name	Urinal Flush Valve
Item Type	Urinal Flush Valve - Manual
Description	Exposed Flush Valves - Manual Operation ADA Compliant 1.0 GPF Wall Mounted
Manufacturer	American Standard (Lixil Parent Company)
Model	6045.101.002 - Flush Valve for 3/4" top spud urinals, 1.0 gpf
Dimensions	Refer to attachment
Color	CP
Finish	Polished Chrome
Material Composition	Durable chrome-plated cast brass construction
Global Specification	Y
CSI #	224200
Omniclass #	22-224200
Quality Standards	Meets ASSE 1037; ANSI/ASME A112.19.2
Accessibility Compliance	Compliance to ADA
Accessories	Cast wall fanges (3/4")
Part of an Assembly	N
Warranty	ONE YEAR LIMITED WARRANTY FOR COMMERCIAL FIXTURES

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 2

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 3

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 4

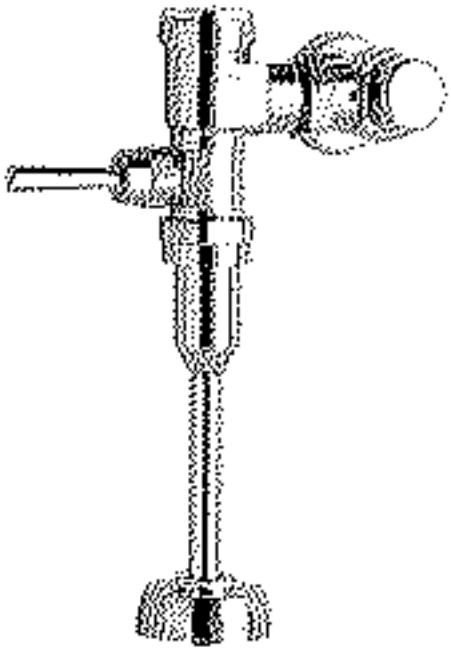
AREAS

Public Restrooms

American Standard Inc

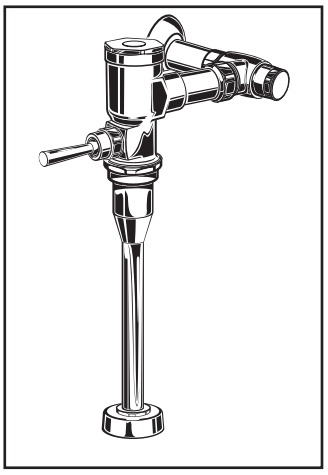
Model: Urinal Manual Flush Valve
Model Number: 6045.101.020

Color/Finish: Polished Chrome



American Standard
Style That Works Better

MANUAL URINAL FLUSH VALVE
1.0 GPF



GENERAL DESCRIPTION:
Manual Piston-Type Urinal Flush Valve for 3/4" top spud urinals.

INCLUDES:
- 3/4" I.P.S. angle stop with back-flow prevention and vandal-resistant cap
- Sweat solder kit including cover tube and wall flange
- High back pressure vacuum breaker with down tube
- Spud coupling & flange for 3/4" top spud

PRODUCT FEATURES:
- Self-cleaning brass piston with integral wiper spring prevents clogging and reduces maintenance
- Piston operation delivers superior flush accuracy and repeatability
- Piston valve remains closed and does not need to be reset after loss of water pressure
- Non-hold open handle
- Positive seal ensures leak-free performance
- No external volume adjustment
- Durable chrome-plated cast brass construction is ideal for commercial applications
- Chloramine-resistant EPDM seals
- Adjustable tailpiece for rough-in flexibility
- Can be installed left or right handed
- ADA complaint

MODEL NUMBER:

❑ **6045.101.002** Flush Valve for 3/4" top spud urinals, 1.0 gpf

❑ **6045.510.002** Retrofit for existing flush valves, 1.0 gpf. Replaces industry standard manual & electronic flush valves. Does not include vacuum breaker assembly, angle stop & sweat solder kit.

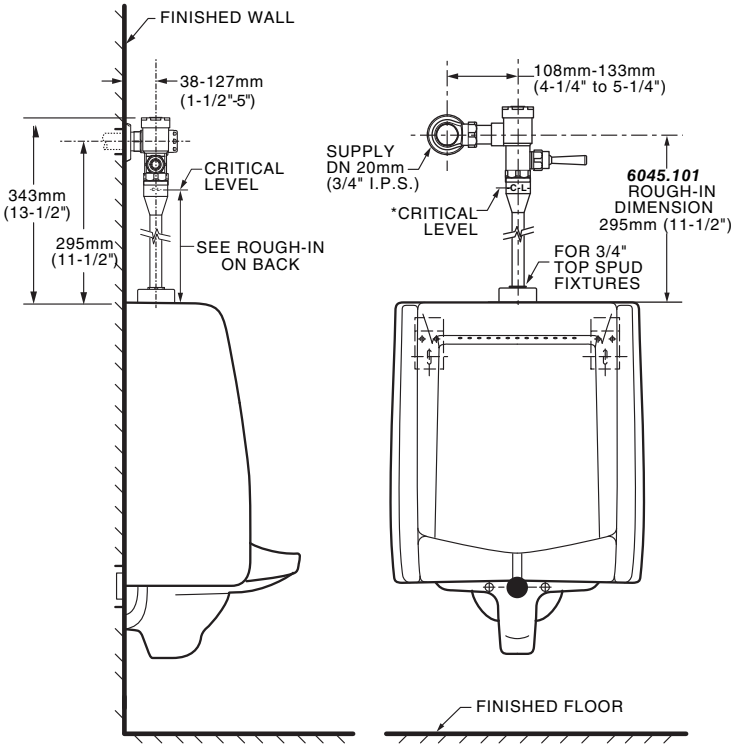
OPERATING PRESSURE:
Overall Range: 20-125 psi**
Recommended: 20 psi (flowing)-80 psi (static)

** Water pressure over 80 psi is not recommended for most plumbing fixtures.

FLOW REQUIREMENT:
10gpm (37.9 L/min.)

ACCESSORIES:
- Cast wall flanges (3/4")

TYPICAL URINAL INSTALLATION:
WASHBROOK URINAL SHOWN



RECOMMENDED SPECIFICATION:
Manual urinal flush valve shall feature self-cleaning brass piston valve with integral wiper spring in bypass orifice to prevent clogging. Valve remains closed and does not need to be reset after loss of water pressure. Includes cast brass valve body and cover with chrome finish and vandal resistant stop cap. Includes sweat solder kit with wall flange and cover tube. Angle stop with back-flow protection and vacuum breaker included. 1.0 gpf / 3.8 Lpf Flush valve shall be American Standard Model # 6045.101.002.

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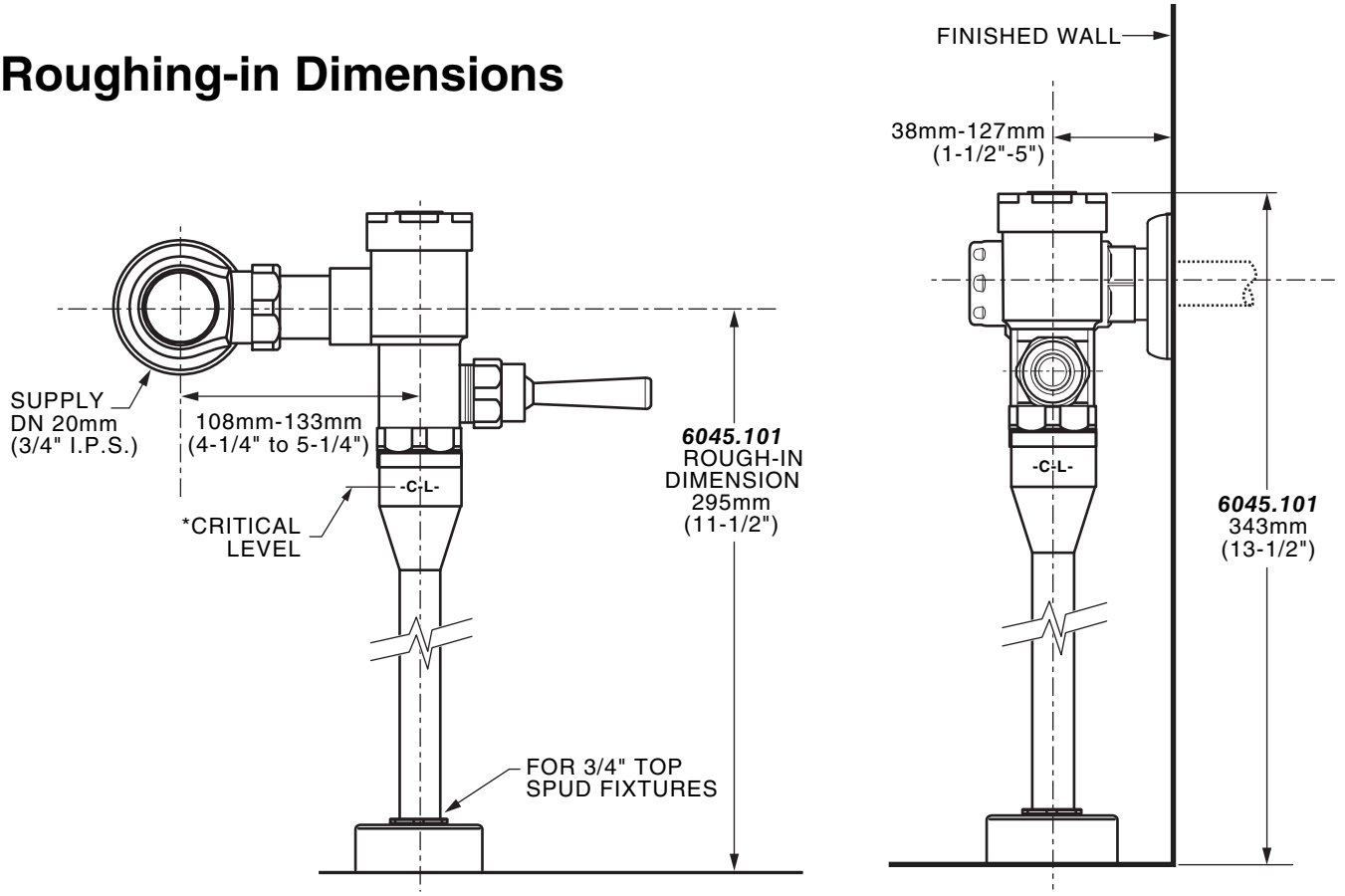
Revised

American Standard
Style That Works Better

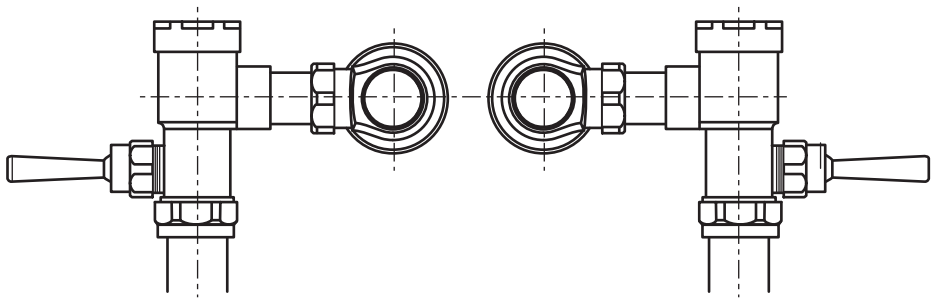
MANUAL URINAL FLUSH VALVE
1.0 GPF

LISTINGS:
- ASSE 1037
- ANSI/ASME A112.19.2
- ADA Compliant

Roughing-in Dimensions



*Note: The Critical Line (-C-L-) on Vacuum Breaker must typically be a minimum of 6" (152mm) above fixture. Consult Codes for details.



Left or Right Hand Installation

MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 REQUIREMENTS FOR ACCESSIBLE AND USABLE BUILDING FACILITIES-CHECK LOCAL CODES

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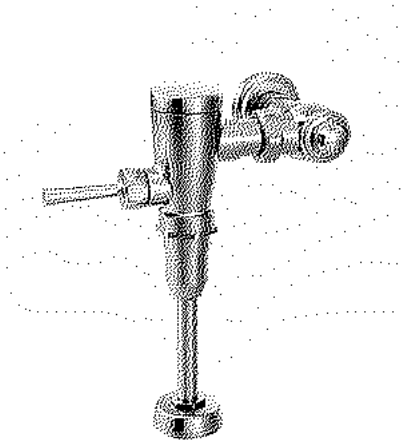
Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-315-MO_URN-02

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Urinal Flush Valve
Item Type	Urinal Flush Valve - Manual
Description	M-Dura Exposed Flush Valves - Manual Operation 1.0 GPF Wall Mounted
Manufacturer	Moen
Model	8312M10
Dimensions	Refer to attachment
Color	CP
Finish	Polished Chrome
Material Composition	Brass construction
Global Specification	Y
CSI #	224200
Omniclass #	22-224200
Quality Standards	ASME A112.19.2M; ASSE 1037 ; IAPMO
Accessibility Compliance	Compliance with ADA ICC/ANSI A117.1
Part of an Assembly	N
Flow Rate	1.0 GPF
Warranty	Warranted for 5 years against material or manufacture defects.



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 2

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 3

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 4

AREAS

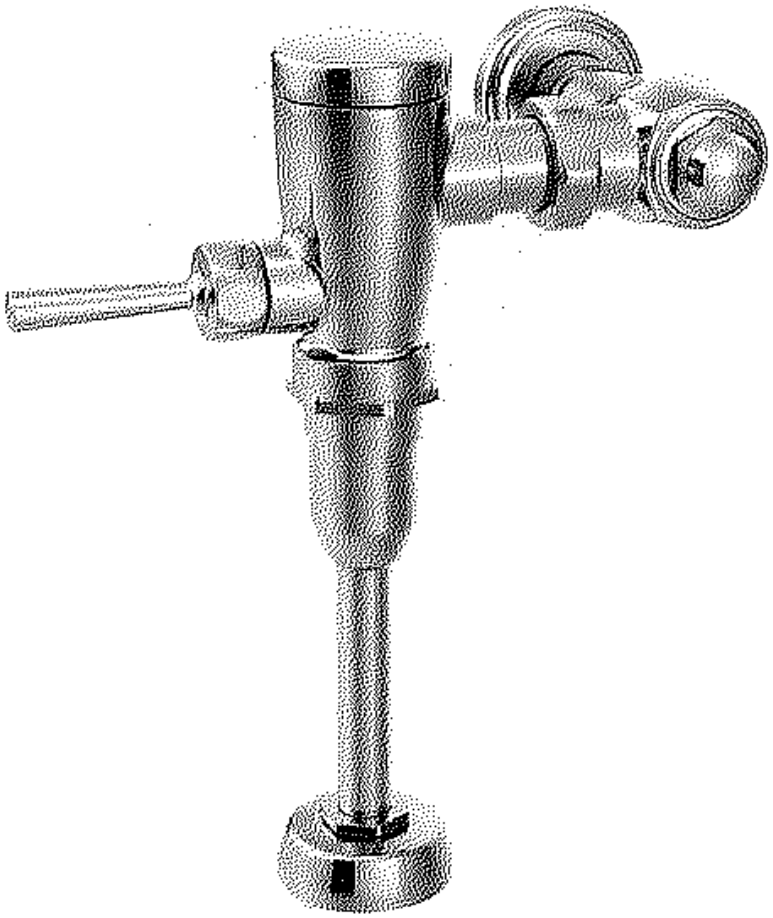
Public Restrooms

Moen Incorporated

Model: 3/4” Manual Exposed Style Urinal Flush Valve

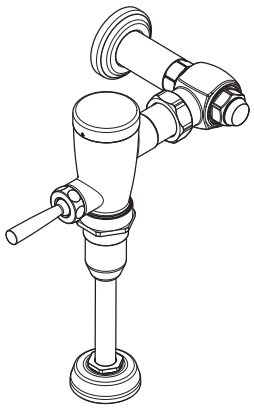
Model Number: 8312M10

Color/Finish: Polished Chrome



MOEN®
COMMERCIAL

Specifications



3/4" Manual Exposed Style Urinal Flush Valve

BUY AMERICAN ACT COMPLIANT

PRODUCT DESCRIPTION
- Manual exposed urinal flushometer with brass angle stop valve
- Cast brass construction with chrome electroplated finish
- Chloramines resistant seals
- 3/4" IPS inlet supply
- 3/4" top spud
- High back pressure vacuum breaker
- ADA compliant handle with dual o-ring seals

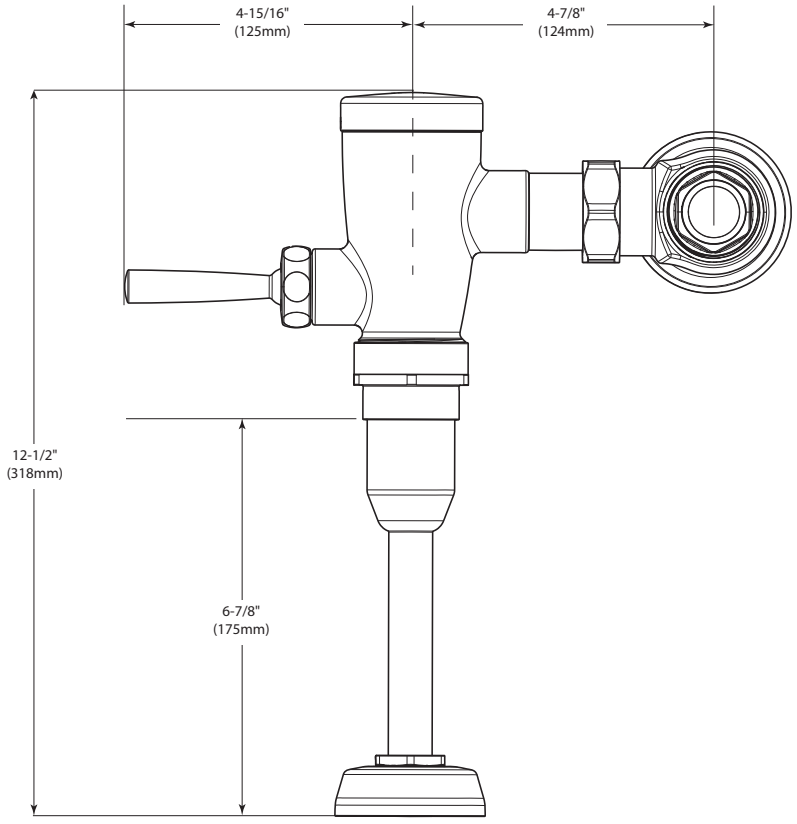
OPERATION
- Operating pressures: 15 to 120 psi
- AccuSet™ piston technology
- Self-cleaning filter

FLOW
☐ **8312M10** (1.0 gpf/3.8 lpf)
☐ **8312M05** (0.5 gpf/1.9 lpf) **–WaterSense certified**
☐ **8312M0125** (0.125 gpf/0.5 lpf) **–WaterSense certified**
☐ **8314M10** (1.0 gpf/3.8 lpf) –1-1/4" top spud

STOP VALVE
- 3/4" IPS vandal resistant control stop
- Solid brass with chloramines resistant face seal

STANDARDS
- Third party certified by IAPMO and CSA to meet ASME A112.19.2M and all applicable requirements referenced therein and complies with requirements of ASSE 1037
- **ADA**

WARRANTY
- Warranted for 5 years against material or manufacturing defects



CRITICAL DIMENSIONS

(DO NOT SCALE)

01/25/2013 SPC13607
Released 01

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-316-DE_URN-02

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Flush Valve
Item Type	Flush Valve
Description	Electronic exposed flush valve, TECK, ADA compliant, 1.0 GPF, Wall Mounted
Manufacturer	Delta Faucet Company
Model	81T231BTA-38
Dimensions	Refer to attachment
Color	Chrome
Finish	Polished
CSI #	224200 - Plumbing Fixture
Omniclass #	22-224200 Plumbing Fixture
Quality Standards	ASSE 1037
Accessibility Compliance	ADA Compliant, ASME 117.1

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Delta Faucet Company
Contact Name: Emily Mueller
Phone: (210) 870-9932
Email: emily.mueller@deltafaucet.com

ALTERNATE MANUFACTURER 2

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 3

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 4

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

AREAS

Public Restrooms

Electronic Exposed TECK® Flush Valves

TECK® COMMERCIAL

DELTA

❑ **81T231BTA**
– Exposed Battery Operated
3/4" Top Inlet Urinal Fixture

- Polished chrome plated vandal resistant metal cover with top mounted sensor operated H_2OPTICS™ electronics
- Right or left-hand supply installation
- ADA compliant, automatic operation battery powered infrared sensor
- Scratch resistant replaceable lens window
- Four (4) size AA alkaline batteries factory installed with valve in sleep mode for easy installation
- Hinged battery housing for easy maintenance
- Low battery flashing light (5000 flushes remaining) with battery strength indicator
- Infrared sensor range adjustment of 457mm-914mm (18" - 36"), factory set at 28" (±2")
- Optional 24 hour automatic flush factory set to ON
- Set-up sensor range adjustment indicator lights
- 6 VDC input, 8 second arming delay
- Electronic operated non-hold-open **metal** manual override button with 5 second lockout
- Quiet action, TECK® exposed diaphragm flush valve
- Chloramine resistant diaphragm
- Forged brass diaphragm retainer
- Renewable seat
- Polished chrome plated finish
- **External water conserving flush adjustment,** factory set at 60 PSI to 1.9 litre (.50 US gal.)
- **1" FIP / 3/4" copper sweat inlet adaptor,** angle check stop with protecting cap
- Adjustable 121mm (4-3/4") plus or minus 11mm (7/16") inlet/valve outlet centers
- Vacuum breaker
- Cover tube, stainless steel wall flange, spud flange, spud nut, and 330mm (13") outlet tube.

❑ **81T231BTA-38**
Same as 81T231BTA, but set at 60 PSI to 3.8 litre (1.0 US gal), **Not Field Adjustable**

❑ **81T231BTA-19**
Same as 81T231BTA, **Not Field Adjustable**

❑ **81T231BTA-05**
Same as 81T231BTA, but set at 60 PSI to 0.5 litre (0.13 US gal), **Not Field Adjustable**

Electronic Exposed TECK® II Flush Valve Retrofit Kits

❑ **81T231BTA-20**
Same as 81T231BTA, but LESS stop, cover tube and wall flange

❑ **81T231BTA-20-38**
Same as 81T231BTA-20, but set at 60 PSI to 3.8 litre (1.0 US gal), **Not Field Adjustable**

❑ **81T231BTA-20-19**
Same as 81T231BTA-20, **Not Field Adjustable**

❑ **81T231BTA-20-05**
Same as 81T231BTA-20, but set at 60 PSI to 0.5 litre (0.13 US gal), **Not Field Adjustable**

Note: Measurements may vary ± 6mm (0.25")

Approvals:
- CSA certified
- Complies to ASSE 1037
- ADA Compliant and meets Handicapped Accessibility Standard ASME A117.1 of less than 5 lbs. operating force.
- IAPMO listed

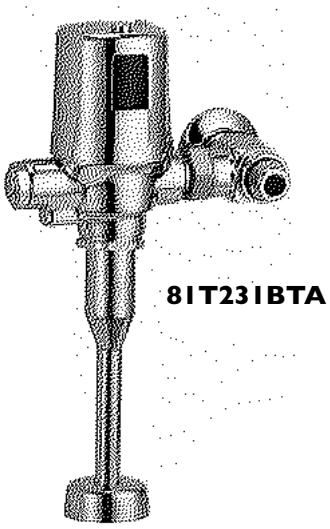
(Contact Delta Representative for State and/or Local Approvals.)

U.S. Patent # 6, 826, 455
Other Patents Pending

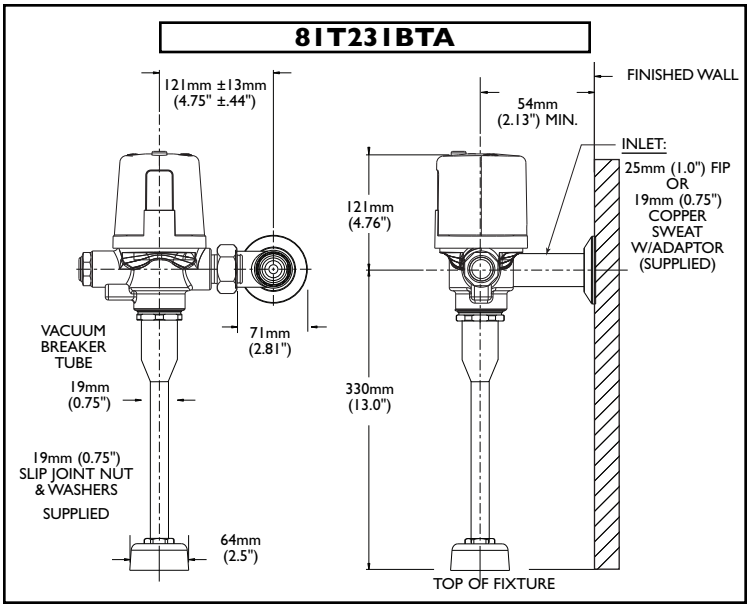
Engineer/Architect Approval

Model Specified:

Approval: Date:



H_2OPTICS™



Note: For high and low pressure applications, please see page FEA-81T High Water Pressure note for more details. Verify flow requirements with bowl manufacturer.

Refer to www.specselect.com for individual models.

Note: Use this page as a product submittal sheet.

Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.specselect.com for finish options and product availability.

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-316-LI_URN-02

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Urinal Flush Valve
Item Type	Auto Urinal Flush Valve
Description	Selectronic Sensor Operated Flush Valve 1.0 GPF Wall Mounted
Manufacturer	American Standard (Lixil Parent Company)
Model	6063.101.002 (1.0 GPF)
Dimensions	Refer to attachment
Color	CP
Finish	Polished Chrome
Material Composition	Durable chrome-plated cast brass construction
Global Specification	Y
CSI #	224200
Omniclass #	22-224200
Quality Standards	Meets ASSE 1037; ANSI/ASME A112.19.2
Accessibility Compliance	Compliance with ADA
Part of an Assembly	N
Warranty	ONE YEAR LIMITED WARRANTY FOR COMMERCIAL FIXTURES

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 2

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 3

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms

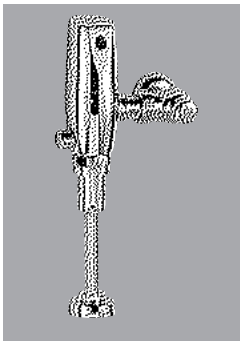
American Standard Inc

Model: Selectronic Urinal Flush Valve
Model Number: 6063.101.020 (1.0 GPF)

Color/Finish: Polished Chrome

American Standard
Style That Works Better

SELECTRONIC™ URINAL FLUSH VALVE
BATTERY POWERED, SENSOR OPERATED, 1.0 GPF



MODEL NUMBER:

- ❑ **6063.101.002** Flush Valve for 3/4" top spud urinals, 1.0 gpf.
- ❑ **6063.510.002** Retrofit for Existing Flush Valves, 1.0 gpf. Replaces industry standard manual and electronic valves. Does not include the vacuum breaker assembly, angle stop or sweat solder kit.

GENERAL DESCRIPTION:
Exposed, Battery Powered, Sensor Operated Selectronic™ Urinal Flush Valve for 3/4" top spud urinals.
Inlet includes 3/4" I.P.S. angle stop with back-flow protection, vandal-resistant cap, sweat solder kit, cover tube and wall flange.
Outlet includes 3/4" vacuum breaker with adjustable tailpiece, spud coupling and flange.

PRODUCT FEATURES:
- Exclusive Pressure Compensation feature allows the flush valve to deliver a constant flush volume regardless of water pressure.
- Flush Valve can not be adjusted to deliver more or less water, ensuring water savings & performance.
- Electronic flush valve with Selectronic™ proximity system for "Hands Free" operation.
- Self-Cleaning Piston with integral wiper spring prevents clogging and reduces maintenance.
- Piston operation delivers superior flush accuracy and repeatability.
- Fully Mechanical Manual Override Button can operate for an unlimited time without power.
- Valve remains closed and does not need to be reset after loss of power or water pressure.
- Sanitary Flush: Valve automatically flushes after 24 hours of non-use to clean fixture & maintain trap seal.
- Stadium Feature: Valve automatically switches to water savings mode during periods of high usage.
- Sensor & electronic controls are fully encloses and water resistant.
- Range can be adjusted manually or with optional remote control.
- Chemical resistant EPDM seals are unaffected by chloramines & other chemicals.
- Adjustable tailpiece.
- Factory-installed CR-P2 lithium battery included.
- No external volume adjustment.
- Can be installed left or right handed.

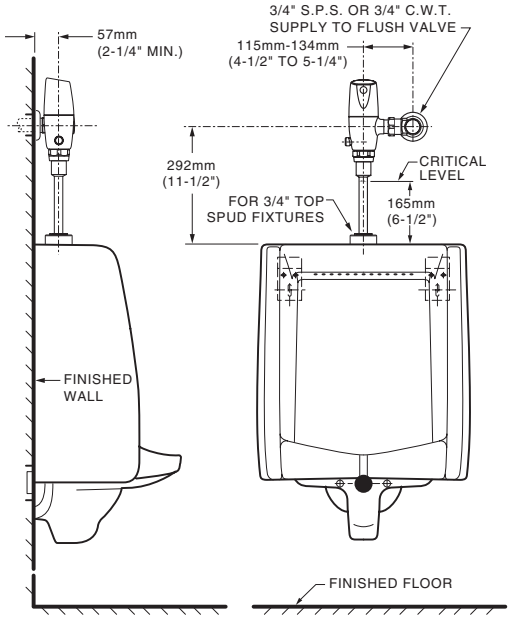
OPERATING PRESSURE:
Overall Range: 20-125 psi**
Recommended: 20 psi (Flowing)-80 psi (static)

FLOW REQUIREMENT:
10gpm (37.9 L/min.)

** Water pressure over 80 psi is not recommended for most plumbing fixtures.

BATTERY LIFE:
200,000 cycles (4 years @ 4000 cycles per month)

ACCESSORIES:
- Cast wall flange (3/4")



RECOMMENDED SPECIFICATION:
Electronic proximity infrared sensor activated urinal flush valve shall feature self-cleaning piston valve with integral wiper spring in refill orifice to prevent clogging. Includes cast brass valve body and metal cover with chrome finish, vandal resistant stop cap and lithium battery. Angle stop with back-flow protection and vacuum breaker included. 1.0 gpf / 3.8 Lpf Flush valve shall be American Standard Model # 6063.101.002, 6063.510.002.

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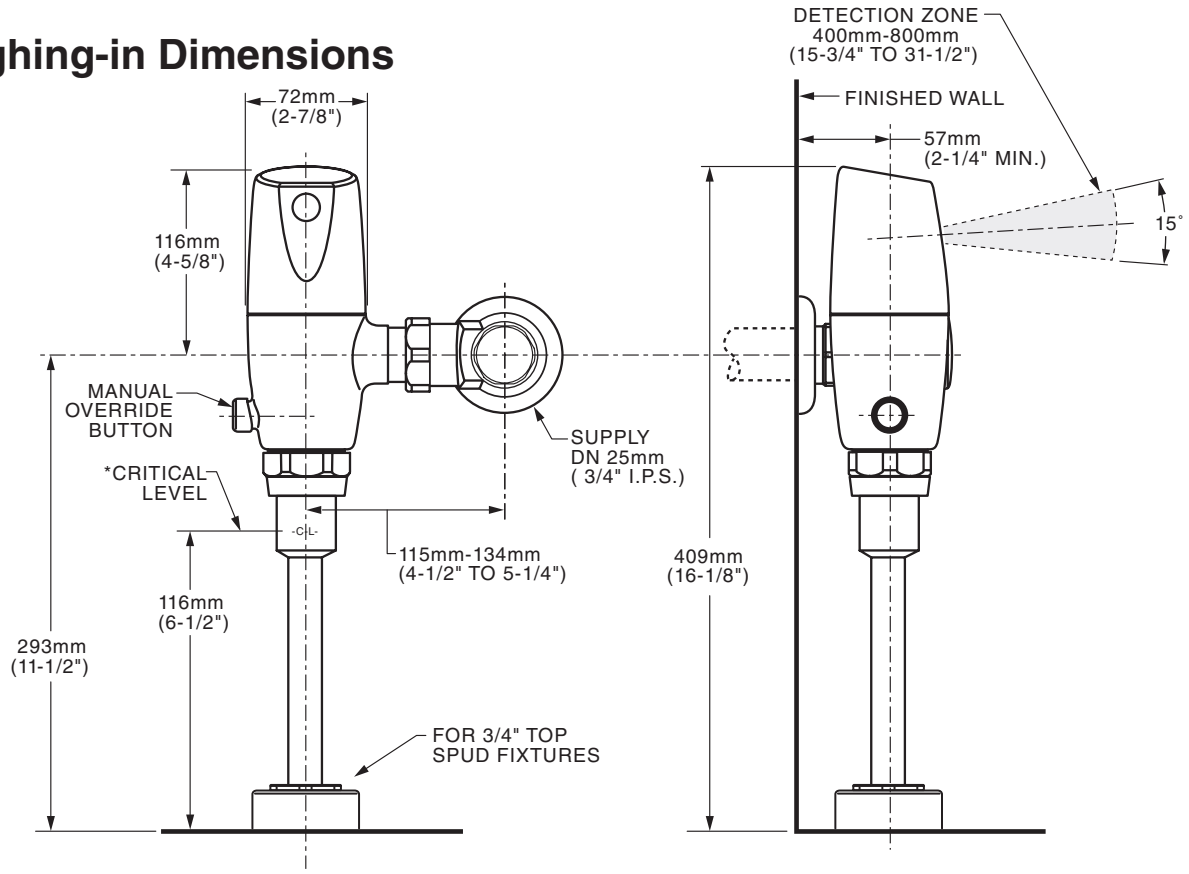
American Standard
Style That Works Better

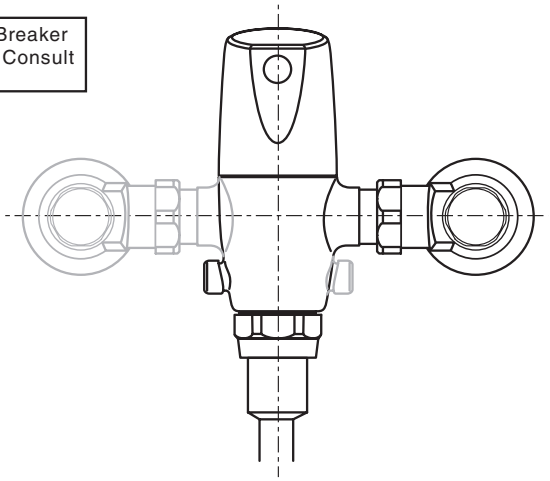
SELECTRONIC™ URINAL FLUSH VALVE
BATTERY POWERED, SENSOR OPERATED, 1.0 GPF

LISTINGS:
- ASSE 1037
- ANSI/ASME A112.19.2
- ADA Compliant

Roughing-in Dimensions



*Note: The Critical Line (-C-L-) on Vacuum Breaker must typically be 6" (152mm) above fixture. Consult Codes for details.



Right or Left Hand Installation

MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 REQUIREMENTS FOR ACCESSIBLE AND USABLE BUILDING FACILITIES-CHECK LOCAL CODES

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Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-317-KO_URN-02

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Urinal Flush Valve
Item Type	Urinal Flush Valve
Description	"Exposed Flush Valve" Touchless "Wave" Technology 0.50 GPF Wall Mounted
Manufacturer	Kohler
Model	K-10675-SV-CP - “WAVE” DC 0.5 GPF URINAL Flushometer
Dimensions	Refer to attachment
Color	CP
Finish	Polished Chrome
Material Composition	Brass construction
Global Specification	Y
CSI #	224200
Omniclass #	22-224200
Quality Standards	Meets ASME A112.18.1/CSA B125.1; ASSE 1037; CSA B651
Accessibility Compliance	Compliance with ADA ICC/ANSI A117.1
Water Sense	Meets EPA Criteria
Part of an Assembly	N
Eco-Feature(s) *as per manufacturer	EPA WaterSense®
Flow Rate	0.5 gpf
Warranty	KOHLER® One-Year Limited Warranty
Notes	Alternate for water conservation to be used with 0.50 gpf Urinal.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Kohler
Contact Name: Anupa Maru
Phone: (703) 371-4269
Email: anupa.maru@kohler.com

ALTERNATE MANUFACTURER 2

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 3

Vendor Name: Moen
Contact Name: Jason Reynolds

AREAS

Public Restrooms

Phone: (407) 340-3249 Email: Jason.Reynolds@fbgpg.com	
ALTERNATE MANUFACTURER 4	

Kohler Company

Model: **“WAVE” DC 0.5 GPF URINAL Flushometer**

Model Number: **K-10675-SV-CP**

KOHLER. Faucets

WAVE DC 0.5 GPF Urinal Flushometer
K-10675-SV

Features
- Fixture-mount design.
- Includes 1.5 V AA batteries.

Material
- Brass construction.

Technology
- Electronic infrared sensor with WAVE technology for accurate activation.
- Slow-closing piston technology.

Installation
- Intended for urinal installations with 3/4" spud coupling connection.

Optional Accessories
GP1118986 Flushometer Extension Kit

ADA | CSA B651 | OBC

Codes/Standards
ASME A112.18.1/CSA B125.1
ASSE 1037
EPA WaterSense®
California Energy Commission (CEC)
ADA
ICC/ANSI A117.1
CSA B651
OBC

KOHLER® One-Year Limited Warranty
See website for detailed warranty information.

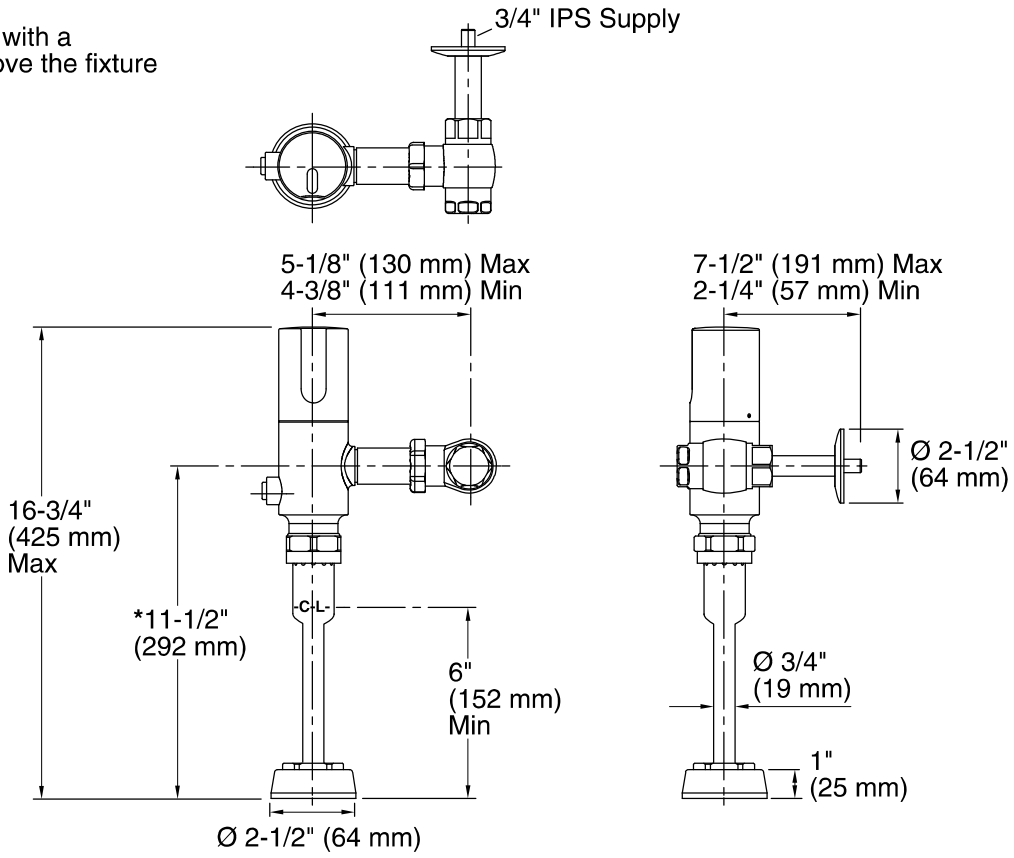
Available Color/Finishes
Color tiles intended for reference only.

Color	Code	Description
	CP	Polished Chrome

KOHLER. Faucets

WAVE DC 0.5 GPF Urinal Flushometer
K-10675-SV

*10-3/4" (273 mm) minimum with a
6" (152 mm) critical level above the fixture



Technical Information
All product dimensions are nominal.

Pressure and Supply Requirements

Fixture flow rate min:	10 gpm (37.9 lpm)
Fixture pressure max (static):	80 psi (551.6 kPa)
Power source:	AA 1.5 V, included

Notes
Install this product according to the installation guide.

ADA, OBC, CSA B651 compliant when installed to the specific requirements of these regulations.

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-317-MO_URN-02

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Urinal Flush Valve
Item Type	Auto Urinal Flush Valve
Description	M-Power Sensor Operated Flush Valve 0.50 GPF Wall Mounted
Manufacturer	Moen
Model	8315 - 3/4” Battery Powered Exposed Style
Dimensions	Refer to attachment
Color	CP
Finish	Polished Chrome
Material Composition	Brass construction
Global Specification	Y
CSI #	224200
Omniclass #	22-224200
Quality Standards	ASME A112.19.2M; ASSE 1037 ; IAPMO
Accessibility Compliance	Compliance with ADA ICC/ANSI A117.1
Water Sense	Meets EPA Criteria
Part of an Assembly	N
Eco-Feature(s) *as per manufacturer	WaterSense®-labeled
Flow Rate	0.50 GPF
Warranty	Warranted for 5 years against material or manufacture defects.
Notes	Alternate for water conservation to be used with 0.50 gpf Urinal.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms

Moen Incorporated

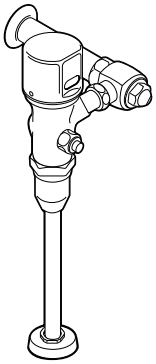
Model: 3/4” Battery Powered Exposed Style Urinal Flush Valve

Model Number: 8315

Color/Finish: Polished Chrome

MOEN®
COMMERCIAL

Specifications



3/4 " Battery Powered Exposed Style Urinal Flush Valve

Model: 8315

WaterSense Meets EPA Criteria
Certified by IAPMO R&T

PRODUCT DESCRIPTION
- Brass construction w/chrome plated finish
- 3/4" IPS supply
- 3/4" top spud

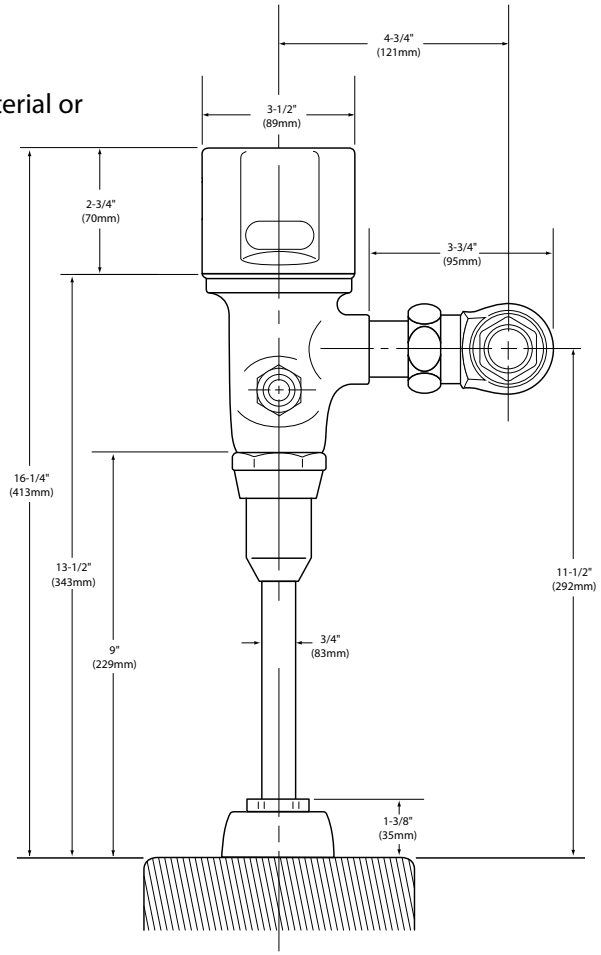
OPERATION
- Adjustable sensor eyes
- Battery powered (4) standard AA (included)
- Average battery life 250,000 cycles
- Self-diagnostic electronics
- Piston flushing mechanism
- Self cleaning filter system
- Low battery indicator light

FLOW
- Operating pressures 10 to 125 psi
- 0.5 gpf/1.9Lpf (gallons per flush)
- 24 hour sentinel flush
- Manual override button

VALVES
- 3/4" IPS angle stop (vandal resistant)
- Adjustable installation (left or right connection)

STANDARDS
- Third party certified by IAPMO and CSA to meet Watersense®, ASME A112.19.2M and all applicable requirements referenced therein and complies with requirements of ASSE 1037
- **ADA**

WARRANTY
- Warranted for 5 years against material or manufacture defects.



CRITICAL DIMENSIONS

(DO NOT SCALE)

10/16/2012 SPC11293 5000015226 Released

WCR-01 Public Water Cooler

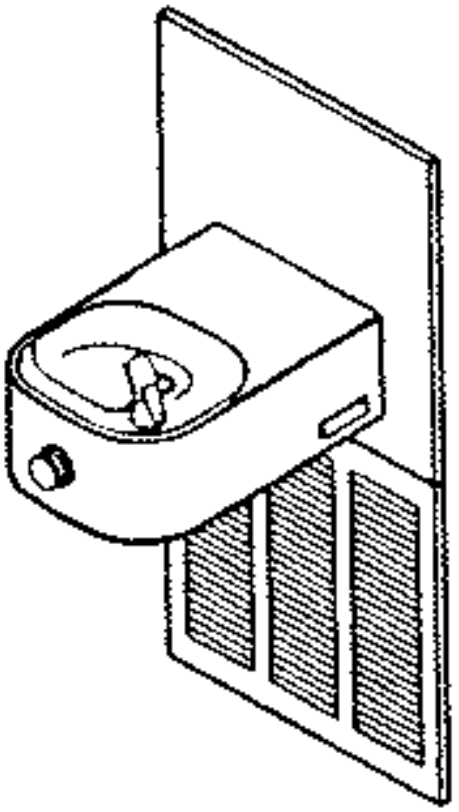
Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-318-EK_WCR-01

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Water Cooler
Item Type	Water Cooler
Description	Electric water cooler, single station barrier free access model w/recessed in-the-wall refrigeration system and stainless steel grille.
Manufacturer	Elkay Manufacturing Company
Model	ERFPM8K
Dimensions	18"D x 12 1/8"W x 6 1/2"H
Color	Stainless Steel
Finish	Polished Satin
Material Composition	#18 Gauge Stainless Steel
Quality Standards	NSF/ANSI 61
Accessibility Compliance	ADA Compliant
Warranty	5 year limited warranty on refrigeration system, 12 month limited warranty on electrical components and water system.



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Elkay
Contact Name: Alex Stackhouse
Phone: (704) 405-3043
Email: alexs@repsouth.com

ALTERNATE MANUFACTURER 2

Vendor Name: Halsey Taylor
Contact Name:
Phone:
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Haws Corporation
Contact Name: Laura Winkler
Phone: (775) 359-4712
Email: laura.winkler@nhyates.com

ALTERNATE MANUFACTURER 4

Vendor Name: Oasis Industries Inc
Contact Name:

AREAS

CUSTOM

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-318-EK_WCR-01

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Phone: 800.646.2747
Email: info@oasiscoolers.com

ELKAY®

SPECIFICATIONS

No Lead Single Station Soft Sides® Water Cooler Wall Mount – Barrier-Free Access Model ERFPM8K

GENERAL

Single station barrier-free stainless steel water cooler has recessed in-the-wall refrigeration system and stainless steel grill. All stainless steel polished to a satin finish.

Fountain has contoured basin to minimize splashing. Flexi-Guard® safety bubbler and easy to operate, fully functional, vandal-resistant front push button. Patented* valve and in-line flow regulators provides constant stream from 20 to 105 psi. Vandal-resistant bottom cover plate included.

Energy efficient refrigeration system utilizes a combination tank continuous-tube type evaporator, refrigerant drier, and capillary tube.

THIS WATER COOLER COMPLIES WITH THE REQUIREMENTS OF A.D.A. (AMERICANS WITH DISABILITIES ACT) WHEN PROPERLY INSTALLED.

NO LEAD DESIGN

THIS WATER COOLER COMPLIES WITH THE LEAD-FREE DEFINITION IN THE SAFE DRINKING WATER ACT OF 1986 AND LEAD CONTAMINATION CONTROL ACT OF 1988.

Elkay Water Coolers are manufactured with a waterway system utilizing copper components and completely lead-free material. These waterways have no lead because all lead materials, such as leaded brass, have been removed. All joints are brazed using silver solder only. No lead solder is permitted. A strainer with an easily cleanable screen is provided to allow trapping and convenient removal of waterborne particulate of 140 microns and larger prior to their entry into the water cooler.

This water cooler is certified to **NSF/ANSI 61**.

CAPACITIES CHART

Model Number	Base Rate	**GPH of 50°F Drinking Water Room Temperature °F 70°F	80°F	90°F	Rated Watts	Full Load Amps	Glass† Filler Option	Ship. Wt. Lbs.
ERFPM8K	7.5	9.3	8.3	7.5	370	4.0	Yes	83

**Based on 80°F inlet water temperature.

†Glass filler available at extra cost. Requires factory preparation to receive glass filler. Order Model ERFPM8FK. Glass filler LK1110 or LK1114 sold separately.

Rated watts shown are based on operational (run) time, in compliance with A.R.I. Standard 1010 conditions. Specific applications will determine the actual watts consumed per hour. Watts consumed will be based on number of people served per hour (usage), ambient temperatures, and inlet water temperature.

COOLING SYSTEM

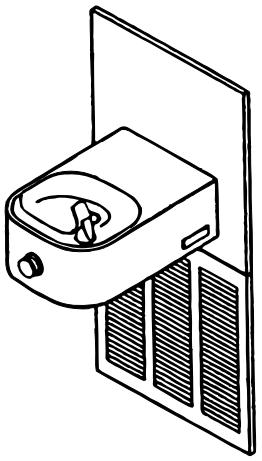
Motor Compressor: Hermetically sealed, reciprocating type, 115V, 60 Hz or 230V, 50 Hz (International Model) single phase. Sealed in lifetime oil supply.

Condenser: Fan cooled, copper tube with aluminum fins. Fan motor is permanently lubricated.

Cooling Unit: Combination tube-tank type. Self cleansing. Tube portion is continuous coil of copper tubing. Tank is stainless steel. Fully insulated with EPS foam which meets Underwriters Laboratories Inc. requirements for self extinguishing material.

Temperature Control: Enclosed adjustable thermostat is factory preset. Requires no adjustment other than for altitude requirements.

Refrigerant Control: Refrigerant HFC-134a is controlled by accurately calibrated capillary tube for positively trouble-free performance.



Model ERFPM8K

CONSTRUCTION

Fountain Body: #18 gauge, type 304 nickel bearing stainless steel polished to a lustrous satin finish with high shined outer edge. Contoured basin offers large strike area to minimize splashing. Fully functional front push button is easy to operate.

Exclusive Flexi-Guard® Safety Bubbler*: Innovative design utilizes a pliable polyester elastomer to prevent accidental mouth injuries. Flexes on impact, then returns to original position. Strong. Abrasion-resistant. Anti-sweat. **Optional Vandal-Resistant Bubbler** available at extra cost. Heavy duty, one-piece construction, chrome plated brass. **Order Model Number ERFPVR8K.** Bubbler meets UL requirements and all sanitary codes and are keyed in location to prevent rotation.

Front Panel Grill: Made of type 304 stainless steel, polished to a uniform Elkay satin finish. Removable louvered ventilating grill encloses refrigeration unit and plumbing.

Wall Mounting Frame: MF100 frame furnished with each unit. Frame allows flush mounting to finished wall.

Drain: LK464 drain and trap assembly included.

5 YEAR LIMITED WARRANTY on the refrigeration system of the unit. Electrical components and water system are warranted for 12 months from date of installation. Sample Certificate available on request.

Elkay Pressure-Type Water Coolers are designed to operate on 20 psi to 105 psi supply line pressure. If inlet pressure is above 105 psi, a pressure regulator must be installed in the supply line. Any damage caused by reason of connecting this product to supply line pressures lower than 20 psi or higher than 105 psi is not covered by the warranty.

STANDARDS

c UL us Elkay Electric Air Cooled Water Coolers meet the requirements of NSF/ANSI 61. Unit complies with A.R.I. Standard 1010.

* Patent #4,481,971

In keeping with our policy of continuing product improvement, Elkay reserves the right to change product specifications without notice.

This specification describes an Elkay product with design, quality and functional benefits to the user. When making a comparison of other producers' offerings, be certain these features are not overlooked.

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No Lead Single Station Soft Sides® Water Cooler Wall Mount – Barrier-Free Access Model ERFPM8K

ELKAY®

ROUGH-IN DIMENSIONS

IMPORTANT!

INSTALLER PLEASE NOTE:

The grounding of electrical equipment such as telephone, computers, etc., to water lines is a common procedure. This grounding may be in the building or may occur away from the building. This grounding can cause electrical feedback into a water cooler, creating an electrolysis which causes a metallic taste or an increase in the metal content of the water. This condition is avoidable by using the proper materials as indicated below.

The drain fittings which are provided by the installer should also be plastic to electrically isolate the cooler from the building plumbing system.

ERFPM8K MOUNTING FRAME INSTRUCTIONS

1. **Cut a square rectangular wall opening** 18-3/4" (476mm) W x 37-3/4" (959mm) H and 4-1/2" (114mm) above the floor line. These dimensions are required to obtain proper rim and bubbler heights for compliance with ANSI standard A117.1. (See Figure 2)
2. **Reinforce the wall opening** on all sides so that it will adequately support the water fountain. This reinforcement must support up to 150 lbs static load and provide a means for securing the frame assembly in place.

   NOTE: Building construction must allow for adequate air flow on both sides and top of remote chiller unit. Minimum of 4" (102mm) is required. (See Figures 1 & 2)
3. **Install plumbing and electrical rough-ins.** See Figure 1 for location of the supply water inlet to chiller and for the location of the waste water outlet. A junction box for a (3) wire, 10 amp branch circuit is provided on the inside of the chiller. (Standard 120 Volts, 60 Hz and single phase) See Figure 2 for the electrical inlet location.
4. **Remove frame and related hardware** from packaging. Release the two shelf rods by cutting cable ties. Install the frame squarely in wall opening with frame upright edges flush with the finished wall face. (See Figure 2) Place shelf inside frame and line up the (2) holes on each. Insert loose ends of rods into holes on sides of shelf panel. Using appropriately sized wood screws (not provided), fasten the shelf and frame to bottom of wall opening. (See Figure 2) Secure the frame sides and top to the wall using (10) 5/16" x 2 " lag bolts or screws (not provided).

   NOTE: Be sure that frame is squared in location. Do not use less than the required screw quantity and size.

FIG. 1

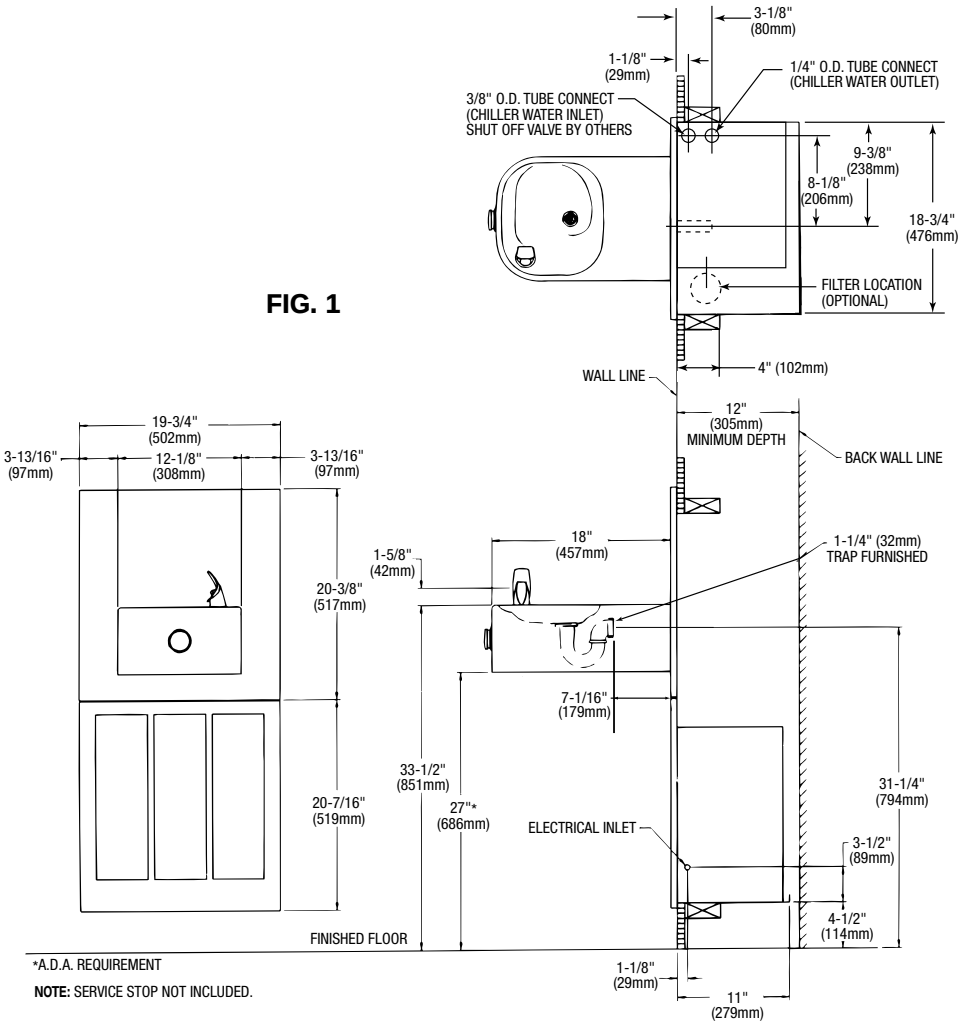
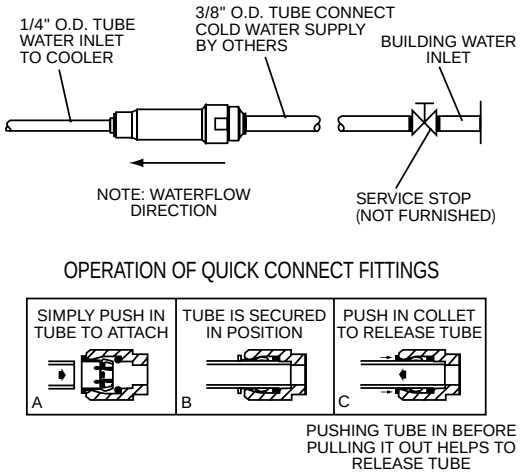
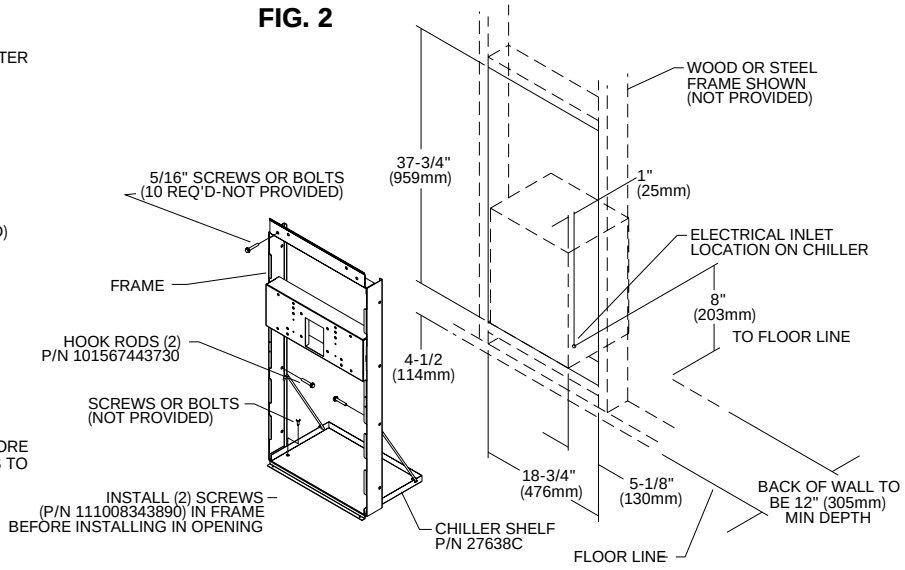


FIG. 2





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Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-318-HT_WCR-01

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Water Cooler
Item Type	Water Cooler
Description	Contour Series electric water cooler, single station barrier free access model w/recessed in-the-wall refrigeration system and stainless steel grille.
Manufacturer	Halsey Taylor
Model	HRFER-Q
Dimensions	18"D x 12 1/8"W x 6 1/2"H
Color	Stainless Steel
Finish	Polished Satin
Quality Standards	ANSI/NSF 61
Accessibility Compliance	ANSI 117.1

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Elkay
Contact Name: Alex Stackhouse
Phone: (704) 405-3043
Email: alexs@repsouth.com

ALTERNATE MANUFACTURER 2

Vendor Name: Halsey Taylor
Contact Name:
Phone:
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Haws Corporation
Contact Name: Laura Winkler
Phone: (775) 359-4712
Email: laura.winkler@nhyates.com

ALTERNATE MANUFACTURER 4

Vendor Name: Oasis Industries Inc
Contact Name:
Phone: 800.646.2747
Email: info@oasiscoolers.com

AREAS

CUSTOM

Halsey Taylor®
Satisfying Thirsts Since 1912

Contour™ Series

MODEL HRFER-Q

Barrier-Free Cooler

This water cooler is certified to **NSF/ANSI 61.**

GENERAL
Modular, electric refrigerated, wall-mounted water cooler designed to be easily accessible to physically challenged individuals. When properly installed, unit meets state and federal requirements as defined by the Americans with Disabilities Act. Unit is certified to ANSI/NSF 61 and meets requirements of the Safe Drinking Water Act. Unit provides 50° F water at 80° F inlet water and 90° F ambient.

FOUNTAIN
Face-mounted, one-piece, non-corrosive stainless steel cooler top, number 300 series with satin finish, contour-formed basin with softly rounded corners and edges.

BUBBLER
Exclusive one-piece, chrome-plated two-stream mound-building bubbler with non-removable anti-squirt feature and integral hood insures a satisfying drink of water.

PUSHBUTTON ACTUATION MECHANISM
Self-closing, vandal-resistant pushbutton does not require grasping or twisting.

AUTOMATIC STREAM HEIGHT REGULATOR
Self-closing assembly is located inside unit to prevent tampering. Unit resists corrosion and liming. A constant stream height is automatically maintained under line pressures that vary from 20 to 105 psi.

INLET STRAINER
Easily cleaned in-line strainer screen traps particles of 140 microns or larger before they enter the waterway.

REFRIGERATION SYSTEM
Hermetically sealed, positive start compressor with lifetime lubrication and built-in overload protection, efficient capillary sizing, large capacity dryer-strainer, and self-lubricated fan cools copper/aluminum condenser. System uses R134A refrigerant. Protected by Halsey Taylor's Limited 5 Year Warranty.

MOUNTING FRAME
Mounting frame is manufactured of corrosion resistant, galvanized steel. Open construction designed for ease of installation. Mounting frame can be shipped in advance for rough-in installation.

PANELS
Constructed of stainless steel, number 300 series with satin finish. Removable lower panel provides access to plumbing and refrigeration system. Panels overlap wall opening 1/2".

SUGGESTED SPECIFICATIONS
Shall deliver 7.5 GPH of 50° F water at 90° F ambient and 80° F inlet water. Fountain shall include pushbutton valve on front, contour-formed basin to eliminate splashing and standing water, and rounded corners and edges. Bubbler shall be chrome plated, two-stream, mound- building type. Cooling unit shall have a high efficiency positive start compressor using R134A, with pressurized counterflow cooling evaporator/chiller. Cooler shall comply with ANSI 117:1 and ADA for visual and motion disabilites. The manufacturer shall certify the unit to meet the requirements of ANSI/NSF 61, and the Safe Drinking Water Act. Unit complies with ARI Standard 1010.

NOTE: Continued product improvement makes specifications subject to change without notice. See Halsey Taylor website for most current spec sheet.

Standard finish is Stainless Steel

Optional Finishes (extra cost)

- ☐ Galaxy Gray Marblyte™ (Bowl Only)
- ☐ Black Onyx Marblyte™ (Bowl Only)

Optional Accessories (extra cost)

- ☐ Vandal-Resistant Kit
- ☐ Water Filter
- ☐ Easy-Flex™ Bubbler

Each HRFER-Q consists of 3 cartons as follows:

Mounting Frame
Cooling Unit-SJ8-Q
Fountain, Panels & Misc. Parts

JOB NAME: _____

_____

_____

ENGINEER/CONTRACTOR NAME: _____

APPROVAL: _____

DATE: _____

HRF BARRIER-FREE SERIES

Model No.	GPH Capacity Cooled to 50° F*				Base Rate Cap.	F.L. Amps	Shipping Weight lb.	Rated Watt Usage
	Ambient Air Temp							
	70°F	80°F	90°F†	100°F				
HRFER-Q	9.3	8.3	7.5	6.8	7.5	4.0	83	370

* With projector service and tap water at 80° F
For additional specification of the cooling unit, see specification sheet for Model SJ8 Remote in this catalog.

† UL listed and complies with ARI Standard 1010
Service stop not included

CFC ADA NSF/ANSI 61 c UL us

HRFER-Q

Contour™ Barrier-Free Cooler

(CONTINUED)

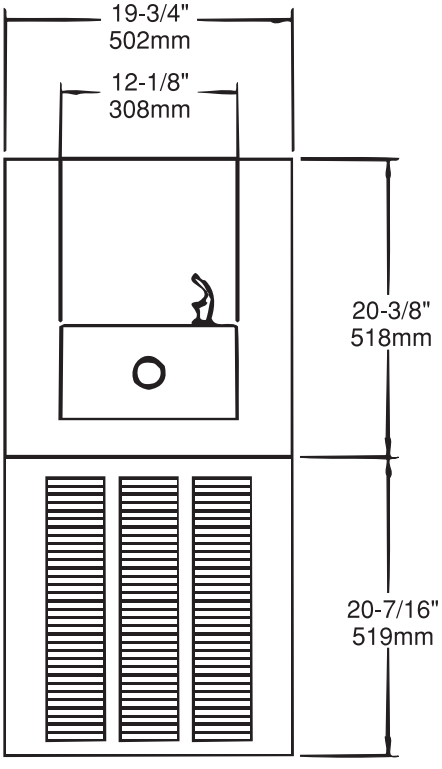
WALL OPENING
IMPORTANT: It is necessary to create a wall opening 18 3/4" W x 37 3/4" H and 4 1/2" above the floor line.

MOUNTING INSTRUCTIONS
Refer to rough-in for location of plumbing and electrical sources. The support frame is to be installed first. The shelf for the water chiller should be assembled to the wall frame, and then place chiller into position. Hang upper fountain panel to hanger on frame. Fountain is to be attached to panel and wall frame. Water service line, waste line and electrical is assembled as required. The bottom panel is attached last, after a final check for leaks and correct functions of fountains and chiller. (For details see the installation instructions.)

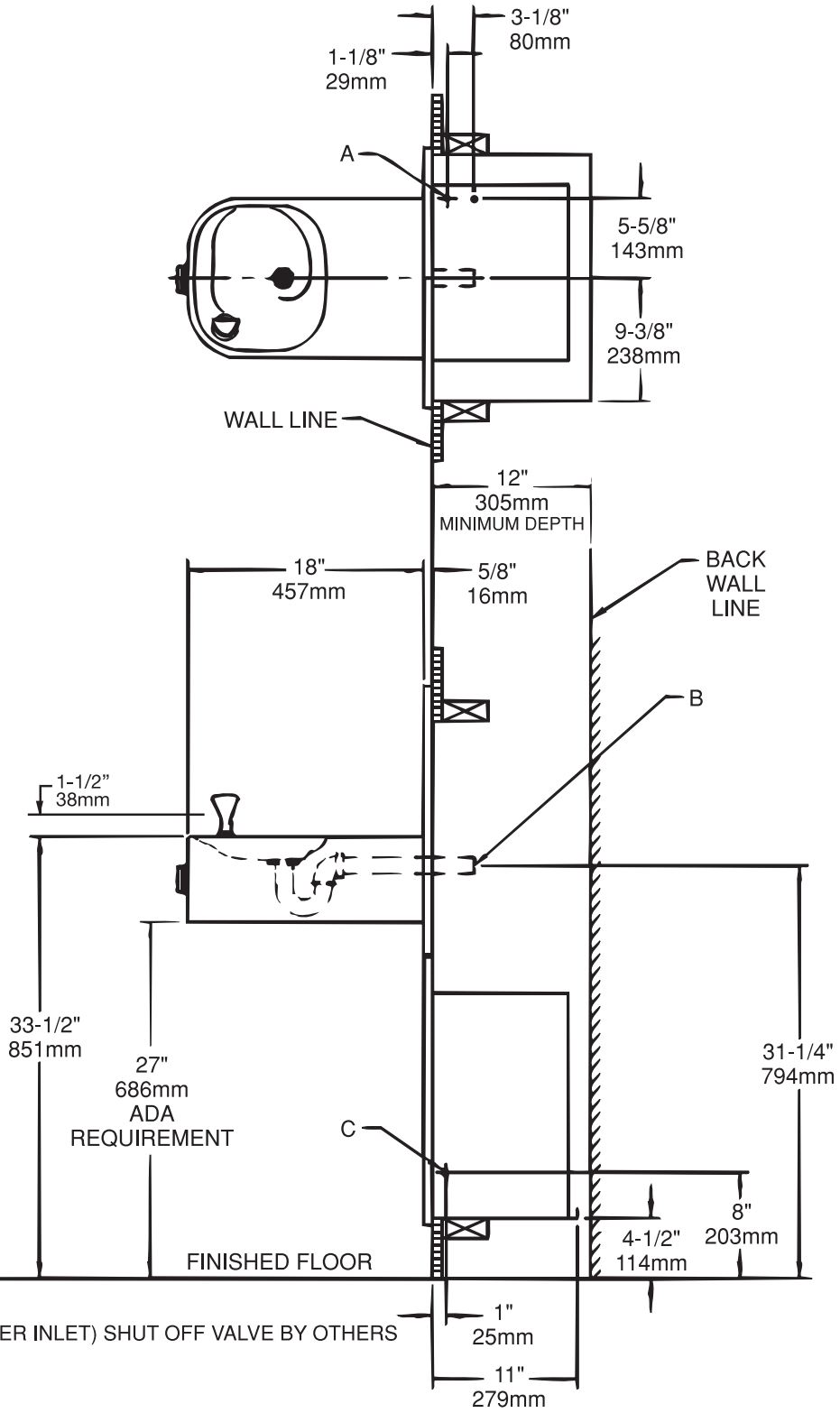
OPERATING PRESSURES:
Supply water - 105 psi maximum

ELECTRICAL DATA
Junction box for a (3) wire 10 AMP branch circuit. Standard 120 volt, 60 HZ, single phase.

FRONT VIEW



TOP & SIDE VIEW



LEGEND:
A = 3/8" O.D. TUBE CONNECT (CHILLER WATER INLET) SHUT OFF VALVE BY OTHERS
B = 1-1/4" TRAP FURNISHED
C = ELECTRICAL INLET

Halsey Taylor®

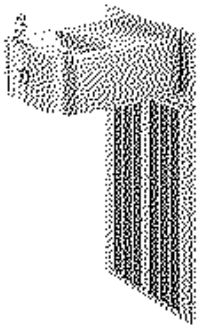
Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-318-HW_WCR-01

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Water Cooler
Item Type	Water Cooler
Description	Electric water cooler, single station barrier free access model w/recessed in-the-wall refrigeration system and stainless steel grille.
Manufacturer	Haws Corp.
Model	H1109.8
Dimensions	18"D x 12"W x 6"H
Color	Stainless Steel
Finish	Polished Satin
Material Composition	#18 Gauge Stainless Steel
Quality Standards	ANSI/NSF 61
Accessibility Compliance	ANSI A117.1



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Haws Corporation
Contact Name: Laura Winkler
Phone: (775) 359-4712
Email: laura.winkler@nhyates.com

ALTERNATE MANUFACTURER 2

Vendor Name: Oasis Industries Inc
Contact Name:
Phone: 800.646.2747
Email: info@oasiscoolers.com

ALTERNATE MANUFACTURER 3

Vendor Name: Elkay
Contact Name: Alex Stackhouse
Phone: (704) 405-3043
Email: alexs@repsouth.com

ALTERNATE MANUFACTURER 4

Vendor Name: Halsey Taylor
Contact Name:
Phone:
Email:

AREAS

CUSTOM

H1109.8

Barrier-Free Wall Mounted Electric Drinking Fountain

FEATURES & BENEFITS

Push Button
With its patented (Pat.# 6,981,692) push-button valve assembly which allows for front access stream adjustment as well as cartridge and strainer access, this fountain offers the ultimate in ease of maintenance.

Integrated Trap
Spacious fountain design allows for the trap to be internally mounted which allows for easy access, and aids and reduces the installation process.

Construction
18 gauge Type 304 Stainless Steel construction with vandal-resistant bottom plates provides a long lasting unit with added peace of mind.

Quality Control
Fountain is pre-built and fully water and pressure tested to ensure no leaks and proper function for reduced installation time and added peace of mind.

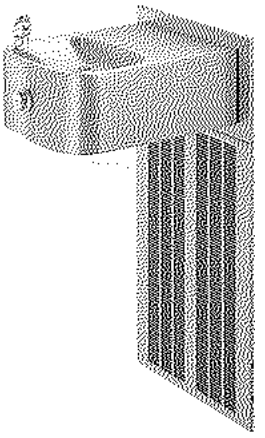
Bubbler Head
Polished chrome-plated brass bubbler head features an integral basin shank for added strength, and is equipped with a shielded, anti-squirt orifice that provides a steady sanitary source of water.

Back Panel
Stainless steel back panel helps to protect the wall from inadvertent splashing, and its decorative satin finish increases location visibility and completes the fountains attractive appearance.

Finish
Beautiful #4 satin stainless steel finish basin can be easily cleaned and maintained while also resisting corrosion.

OPTIONS

- ☐ Bubbler Head: Model 5725 EnviroGard™ bubbler is a polished chrome-plated solid brass bubbler head with stainless steel water activated pop up canopy. (Pat.# 7,025,282)
- ☐ Filter: Model 6426, 12" x 2", in-line lead removal element that reduces lead from incoming water supply.



SPECIFICATIONS

Model H1109.8 electric wall mounted barrier-free drinking fountain shall include an 18 gauge Type 304 Stainless Steel satin finish basin, push-button operated valve with front-accessible cartridge and flow adjustment, polished chrome-plated brass vandal-resistant bubbler head, polished chrome-plated brass vandal-resistant waste strainer, vandal-resistant bottom plate, stainless steel satin finish back panel and louvered intrusion-proof grill, and 1-1/4" IPS trap. The R-134a refrigeration system is hermetically sealed and delivers a minimum of 8 gph (30.3 lph) of water at 50°F (10°C) cooled from 80°F (26.7°C) inlet water at 90°F (32.2°C) ambient. 115 Volts, 60Hz, rated watts: 370, full load amps: 5.

APPLICATIONS

Perfect for either public or private settings, our stainless steel electric drinking fountains are a great fit in indoor environments. This series is precisely mounted, making it a nice addition to any surrounding. Specifically, this type fountain may be placed in settings such as: schools, office buildings, shopping malls, and other indoor environments where there is a demand for a chilled water source and/or wheel chair access.

Model meets all current Federal Regulations for the disabled including those in the Americans with Disabilities Act. Electric water coolers are not recommended or designed for outdoor applications or enclosed pool areas (chlorine). These conditions may void warranty. Haws manufactures drinking fountains, electric water coolers and electric drinking fountains to be lead-free by all known definitions including ANSI/NSF Standard 61, Section 9, California Proposition 65, and the Federal Safe Drinking Water Act. Haws electric water coolers comply with ARI Standard 1010 and ANSI A117.1, and be listed by Underwriter Laboratories to U.S. and Canadian standards.

1455 Kleppe Lane | Sparks, NV 89431 | [p] 775.359.4712 | [f] 775.359.7424 | [e] info@hawsco.com | www.hawsco.com | 25 March, 2009
DISCLAIMER: Continued product improvements make specifications subject to change without notice. Check www.hawsco.com for the latest product information and updates.

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-318-OA_WCR-01

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Water Cooler
Item Type	Water Cooler
Description	Electric water cooler, single station barrier free access model w/recessed in-the-wall refrigeration system and stainless steel grille.
Manufacturer	Oasis Industries
Model	M8SBPM
Dimensions	19"D x 10 3/4"W x 7"H
Color	Stainless Steel
Finish	Polished
Material Composition	#18 Gauge Stainless Steel
Accessibility Compliance	ANSI A117.1
Warranty	Limited 5 year warranty. 1 year sealed refrigeration system

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Oasis Industries Inc
Contact Name:
Phone: 800.646.2747
Email: info@oasiscoolers.com

ALTERNATE MANUFACTURER 2

Vendor Name: Halsey Taylor
Contact Name:
Phone:
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Haws Corporation
Contact Name: Laura Winkler
Phone: (775) 359-4712
Email: laura.winkler@nhyates.com

ALTERNATE MANUFACTURER 4

Vendor Name: Elkay
Contact Name: Alex Stackhouse
Phone: (704) 405-3043
Email: alexs@repsouth.com

AREAS

CUSTOM

Water Coolers

M8SBEE shown

BARRIER-FREE MODULAR
M8SBEE, M8SBPM

Models
M8SBEE produces a light beam that is reflected off the user to automatically start water flowing If user does not move away within 30 seconds, water shuts off automatically.

M8SBPM operates when the mechanical push button is depressed. Water continues to flow as long as the button is depressed.

When these coolers are properly installed, they allow your facility to comply with ADA requirements.

Standard Features
> Waterways are Lead-Free in Materials & Construction
> Stainless Steel Surfaces
> Heavy-gauge galvanized steel wall mounting frame
> High efficiency cooling tank and coil
> Refrigerant R-134a
> Limited 5-Year Warranty

Finishes
> Standard Finish: Stainless Steel
> Optional Finish at extra cost: Regency Bronze

Installation
> Prior to roughing-in, consult local, state and federal codes for proper mounting height.
> Wall mounting frame is furnished for easy installation

Components in this fountain are lead free as defined by the Safe Drinking Water Act Amendments of 1986, and the Lead Contamination Control Act of 1988.

Limited 5-Year Warranty (Continental limits of the United States and Canada): Five years on the sealed refrigeration system and most component parts. Detailed warranty certificate enclosed with each water cooler; sample available upon request.

Export Warranty: One year on sealed refrigeration system and most components parts. Four-year replacement contract on sealed refrigeration system. Detailed warranty certificate enclosed with each drinking fountain; sample copy available upon request.

Drinking water coolers shall comply with ANSI A117.1-1992 and ADA frontal approach requirements. Cooling unit RLF8 for Model M8SBEE and M8SBPM complies with all known Plumbing Codes. Listed by Underwriters' Laboratories to U.S. and Canadian standards.

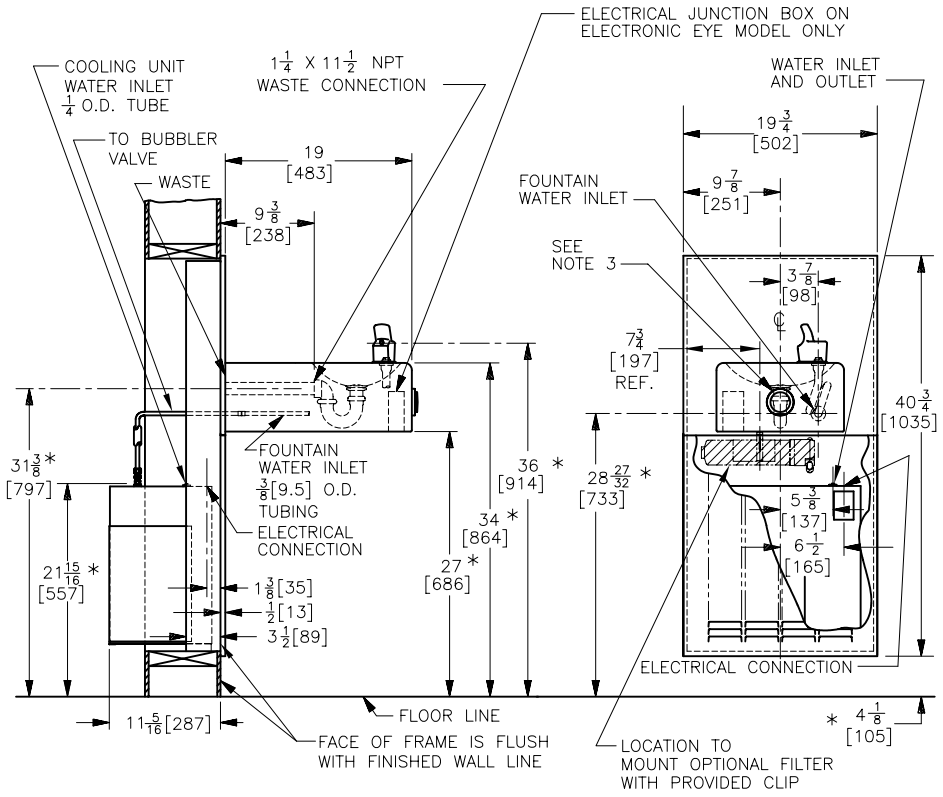
Model	50° F Drinking Water 90° F Ambient Air Temp*			Hot'N Cold™ Model	115 Volts, 60 HZ			Glass Filler Acc. Option	Cabinet Color Finish	Net Wt. Approx.
	Cooling Capacity GPH	Base Rate GPH	Pre-Cooler		Compr. HP	Full Load Amps	Rated Watts			
M8SBEE	8.0	8.0	No	No	1/5	4.8	340	No	Yes	114 Lbs.
M8SBPM	8.0	8.0	No	No	1/5	4.6	340	No	Yes	114 Lbs.

*Industry Standard Rating Condition 80° F inlet water temperature.
Specifications subject to change without notice

PL-318-OA_WCR-01

OASIS® BARRIER-FREE MODULAR WATER COOLER MODELS M8SBEE, M8SBPM

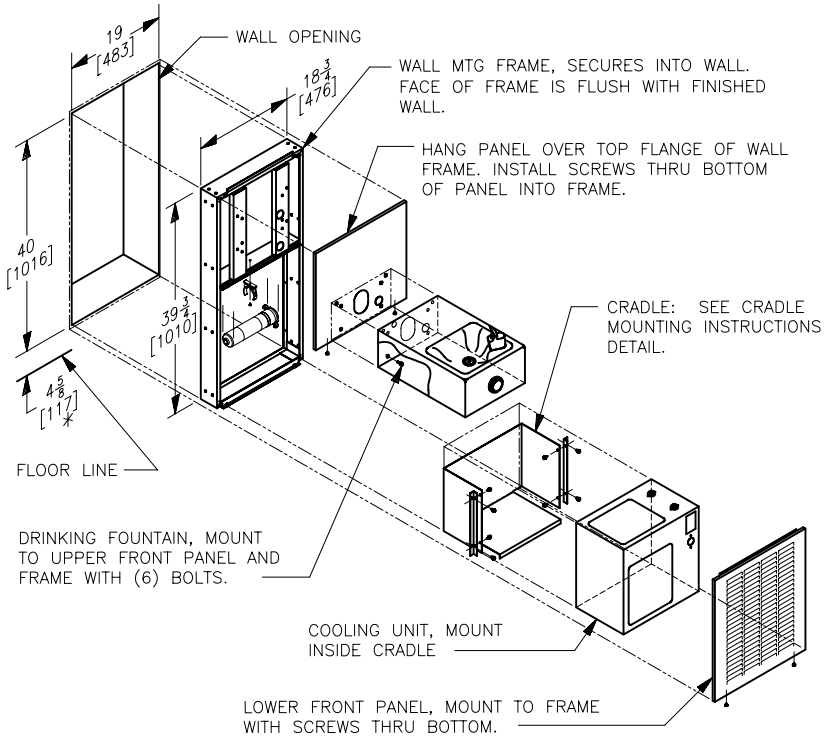
ROUGHING–IN AND DIMENSIONAL DRAWING

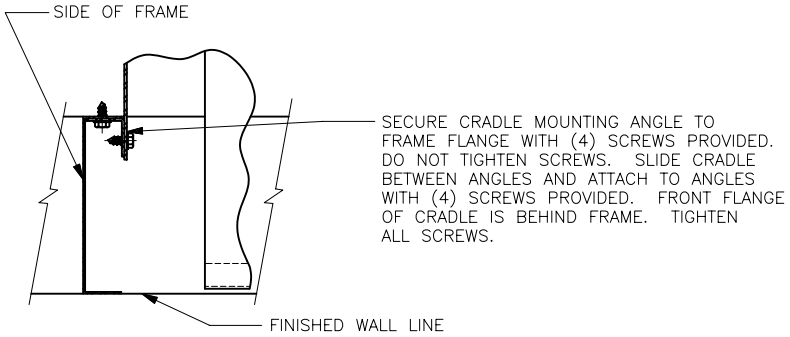


NOTES:

*1. RECOMMENDED ADULT HEIGHT INSTALLATION SHOWN. ADJUST VERTICAL DIMENSIONS AS REQUIRED TO COMPLY WITH FEDERAL, STATE AND LOCAL CODES.
2. STOP VALVE NOT PROVIDED WITH UNIT.
3. 2" [51] DIA. PUSHBUTTON OR TWO 9/16 [14] DIA. ELECTRONIC EYES. PUSHBUTTON SHOWN.
4. ALL DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [ ] ARE IN MILLIMETERS.

WALL OPENING & ASSEMBLY





CRADLE MOUNTING INSTRUCTIONS DETAIL

THIRD ANGLE PROJECTION

ROUGHING–IN AND DIMENSIONAL DRAWING

Form 3777 Rev. 05/06
Tri Palm International, LLC
www.oasiswatercoolers.com

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Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-318-SRC_WCR-01

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Water Cooler
Item Type	Water Cooler
Description	Electric water cooler, single station barrier free access model w/recessed in-the-wall refrigeration system and stainless steel grille.
Manufacturer	Sunroc Corporation
Model	DRF-3601
Dimensions	19"D x 19 3/4"W x 40 3/4"H
Color	Stainless Steel
Finish	Polished
Material Composition	#18 Gauge Stainless Steel
CSI #	224200
Omniclass #	22-224200
Accessibility Compliance	ANSI A117.1
Warranty	Limited 5 year warranty. 1 year sealed refrigeration system

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Sunroc Corporation
Contact Name:
Phone: (504) 822-4886
Email: Sales@SunrocWaterCoolers.com

ALTERNATE MANUFACTURER 2

Vendor Name: Oasis Industries Inc
Contact Name:
Phone: 800.646.2747
Email: info@oasiscoolers.com

ALTERNATE MANUFACTURER 3

Vendor Name: Halsey Taylor
Contact Name:
Phone:
Email:

ALTERNATE MANUFACTURER 4

Vendor Name: Haws Corporation
Contact Name: Laura Winkler
Phone: (775) 359-4712
Email: laura.winkler@nhyates.com

AREAS

Corridors

Barrier Free Wall Mounted Water Cooler

DRF-3601 & DRF-3601HF

MODEL

➤ DRF-3601 push-button
DRF-3601HF a reflected light beam activates the fountain when the user approaches. No touching or pushing is needed. The system features a time delay to avoid unwanted activation and a shut off if the user does not move away in 30 seconds.

Model DRF-3601 shown

FEATURES

Standard

➤ ADA Compliant When Properly Installed
➤ Stainless Steel Surfaces
➤ Flexible Bubbler Guard
➤ Heavy duty galvanized steel mounting frame
➤ Lead-free materials and waterways
➤ High Efficiency Cooling System
➤ Refrigerant R-134a
➤ NSF Standard 61 Section 9 Certified
➤ Limited 5-Year Warranty

ADA

➤ ADA compliant when properly installed

Options (at additional Charge)

➤ Regency Bronze finish

INSTALLATION

➤ Prior to roughing-in, consult local, state and federal codes for proper mounting height
➤ Wall mounting frame is furnished for easy installation
➤ Refrigerated unit requires 11-5/16" wall recess

c UL us LISTED

NSF Certified to ANSI/NSF 61/Section 9

SUGGESTED SPECIFICATION*

Pressure drinking water cooler shall deliver at least 8.0 GPH (30.3 LPH) water at 50°F (10°C) cooled from 80°F (26°C) inlet water at 90°F (32.2°C) ambient. Front mounted push pad requiring less than 5 pounds of force to activate or front facing infrared sensor shall initiate water flow through a chromium plated hooded bubbler having a non-squirt feature. Bubbler shall operate between 20 and 120 psig and have an adjustable stream regulator to control water flow. Stainless steel fountain shall have removable drain strainer. Wall panels shall be stainless steel. Chiller system shall use R-134a refrigerant, system shall be hermetically sealed and refrigerant flow shall be capillary tube controlled. An adjustable thermostat having an off position shall control refrigeration system. Mounting frame shall be provided for installation. Potable water system components shall comply with Safe Drinking Water Act Amendments, the 1988 Lead Contamination Control Act and shall be Certified to ANSI/NSF 61, section 9 . Drinking water coolers shall comply with ANSI A117.1-1992 and ADA frontal approach requirements. Chiller shall be Listed by Underwriters Laboratories Inc. to U.S. and Canadian standards. Drinking water cooler shall be Sunroc model **DRF-3601 & DRF-3601HF.**
***All specifications subject to change without notice**

Model	Capacities*		Hot Tank Available	Pre-Cooler	115 volts, 60Hz		Glass Filler Accessory Option	Cabinet Color Options
	Cooling Capacity GPH (LPH)	Base Rate GPH (LPH)			Full Load Amps	Rated Watts		
DRF-3601	8.0 (30.3)	8.0 (30.3)	No	No	4.6	340	No	Yes
DRF-3601HF	8.0 (30.3)	8.0 (30.3)	No	No	4.8	340	No	Yes

*Capacities are at industry standard rating conditions of 50˚ F (10˚ C) outlet water, 80˚ F (26.7˚ C) inlet water and 90˚ F (32.2˚ C) ambient air.

Model covered by this specification complies with all known Plumbing Codes. Listed by Underwriter's laboratories to U.S. and Canadian standards.

Components in this cooler are lead free as defined by the Safe Drinking Water Act Amendments of 1986, and the Lead Contamination Control Act of 1988. Drinking water fountain is certified to ANSI/NSF 61.

Five Year Limited Warranty: (Continental United States and Canada only) Five years on sealed refrigeration system and most components parts.
Export Warranty: One year on sealed refrigeration system and most components parts. Four year replacement contract on sealed refrigeration system. Detailed warranty certificate enclosed with each drinking fountain; sample copy available upon request
Detailed warranty certificate enclosed with each drinking fountain; sample copy available upon request.

(614) 861-1350
Form 0835 06/05

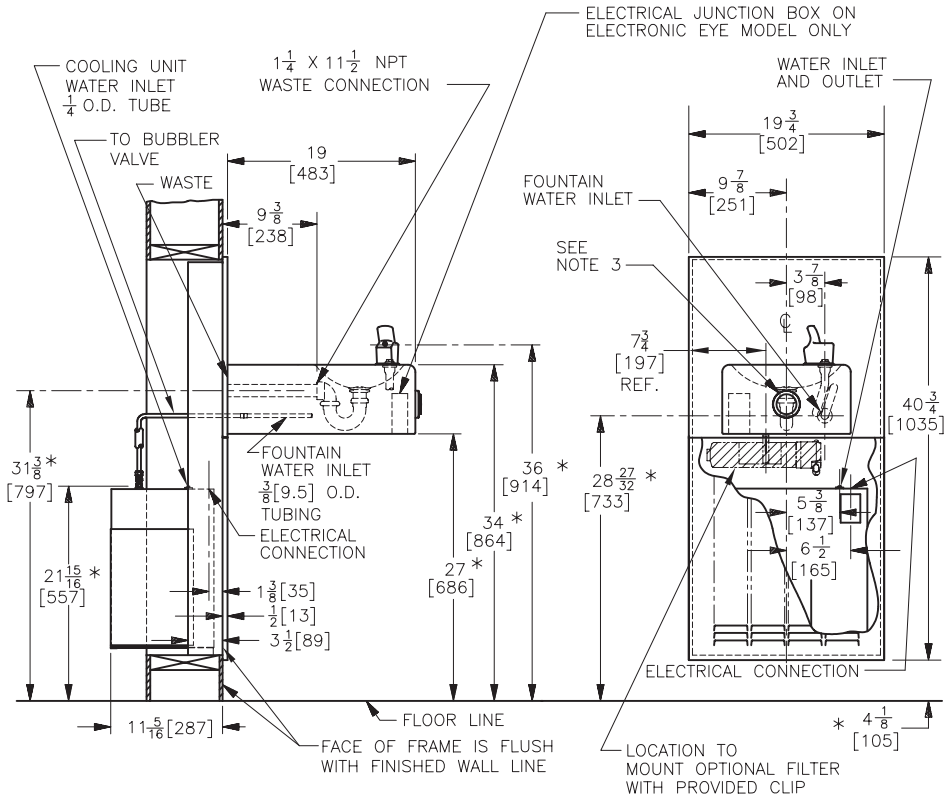
www.sunroc.com

SUNROC

PL-318-SRC_WCR-01

DRF-3601, DRF-3601HF

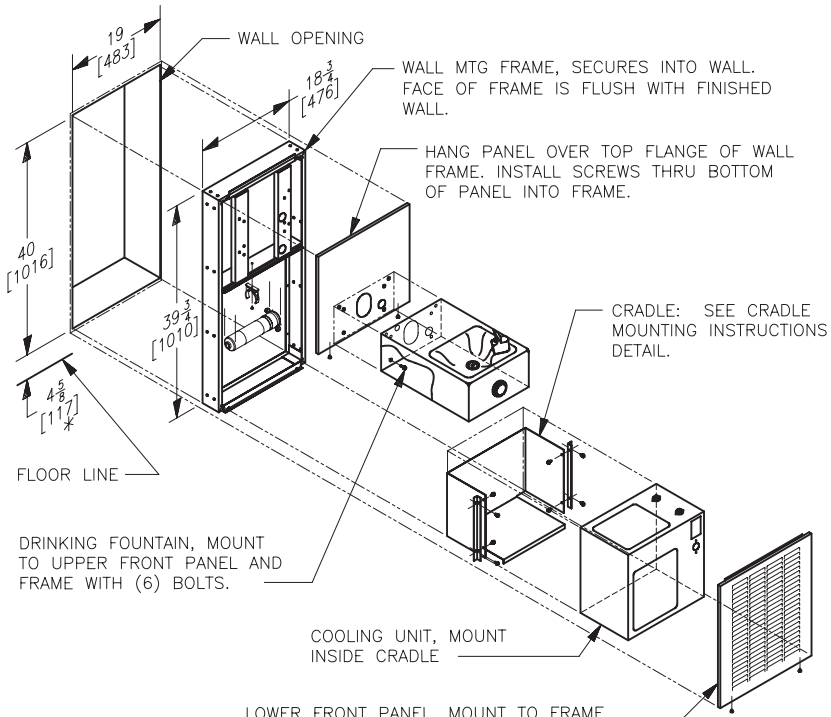
ROUGHING–IN AND DIMENSIONAL DRAWING

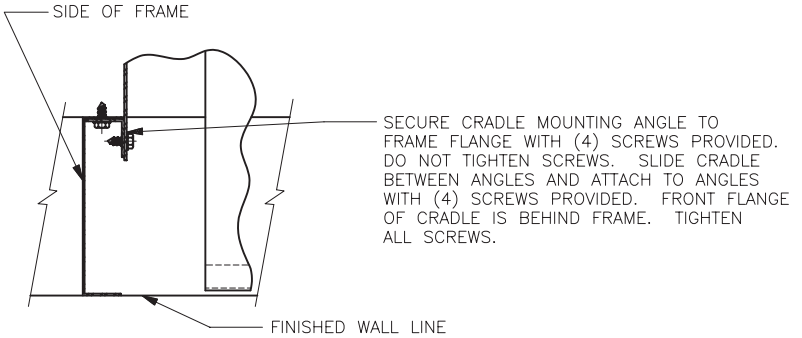


NOTES:

*1. RECOMMENDED ADULT HEIGHT INSTALLATION SHOWN. ADJUST VERTICAL DIMENSIONS AS REQUIRED TO COMPLY WITH FEDERAL, STATE AND LOCAL CODES.
2. STOP VALVE NOT PROVIDED WITH UNIT.
3. 2" [51] DIA. PUSHBUTTON OR TWO 9/16 [14] DIA. ELECTRONIC EYES. PUSHBUTTON SHOWN.
4. ALL DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [ ] ARE IN MILLIMETERS.

WALL OPENING & ASSEMBLY





CRADLE MOUNTING INSTRUCTIONS DETAIL

THIRD ANGLE PROJECTION

ROUGHING–IN AND DIMENSIONAL DRAWING

(614) 861-1350 www.sunroc.com

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SUNROC

WCR-02 Public Hydration Station

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-904-HW_WCR-02

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Hydration Station
Item Type	Electric sensor water dispenser
Description	Touch-free electric sensor water dispenser With carbon block filter with lifecycle control. 3-15/16"D x 15"W x 30-1/4"H / Semi-Recessed
Manufacturer	Haws
Model	2000SN - Bottle Filler with Lifecycle Control
Dimensions	Refer to attachment
Material Composition	Stainless Steel & ABS plastic
Global Specification	Y
CSI #	221000 - Plumbing Piping*
Omniclass #	22-221000
Quality Standards	Meets NSF/ANSI Standard 61, Section 9, NSF/ANSI Standards 42 & 53, NSF/ANSI 372 and CSA Standard B483.1.
Part of an Assembly	N

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Haws Corporation
Contact Name: Laura Winkler
Phone: (775) 359-4712
Email: laura.winkler@nhyates.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Fitness Center
Elevator Lobby
Lobby
Hydration Station

model 2000SN

Recessed Wall-Mount Bottle Filling Station

FEATURES & BENEFITS

QUALITY CONTROL

The Haws bottle filling station is pre-built and fully water and pressure tested to ensure no leaks and proper function for reduced installation time and added peace of mind.

SERVICING & SECURITY

Durable ABS plastic front panel allows simple access to internal components. 30 second time-out prevents unwanted use. Hidden lock and hinges discourages vandals.

ADVANCED FILTRATION

2,500-gallon (9463 L) capacity, electronic lifecycle control filter cartridge will shut off water flow when capacity is reached to ensure fresh, filtered water with every activation. Filter replacement indicator light will flash yellow when filter life is at 10% and will flash red when replacement is necessary. Preparing to replace filter is important when the filter light flashes yellow.

DURABLE FINISH

#4 satin stainless steel back panel can be easily cleaned and maintained while also resisting corrosion.

SENSOR OPERATED

Electric sensor allows for tough-free hygienic operation, eliminating the need for manual activation.

OPTIONS

- ☐ Remote Drinking Fountain Water chiller: Model HCR8, 8 gph (30.3 L) remote water chiller provides instantaneous cooling to meet a continuous demand for chilled water.
- ☐ 2000 Series Mounting Frame: Model MTGFR.HSC, galvanized steel mounting frame with grille for the 2000 series bottle filling stations.

For more information, visit www.hawsco.com or call (888) 640-4297.

SPECIFICATIONS

Model 2000SN Hydration By Haws™ water dispenser is a semi-recessed, wall-mounted wheel chair accessible bottle or cup filling station constructed of durable ABS plastic and 16 gauge, Type 304 Stainless Steel with a satin finish. It features an electric sensor for touch-free hygienic operation and a 30-second timeout preventing unwanted use, laminar flow to prevent splashing, and .5 gpm (1.9 L) flow rate for quick fill-up. 2,500-gallon (9464 L) carbon block filter reduces chlorine (taste and odor) and lead, and removes 99.99% of cysts. The mounting frame is of heavy gauge, galvanized steel. 110 volt, 60Hz, and .1 amp draw when in use. Tailpiece is 1-1/4" (32 mm) O.D. Provision for trap (not included) must be made in or behind wall. Model 2000SN has no logo for a clean, aesthetically pleasing look.

APPLICATIONS

Perfect for either public or private indoor settings, the Hydration By Haws™ bottle filling station is a great fit in areas where aesthetics are important to the overall appeal of the architecture. Specifically, this type of semi-recessed wall mounted bottle filling station is ideal for office buildings, airports, schools, manufacturing facilities and municipalities.Model 2000SN meets the Americans with Disabilities Act when mounted at the correct height. Haws manufactures drinking fountains and electric water coolers to be lead-free by all known definitions including NSF/ANSI Standard 61, Section 9, NSF/ANSI Standards 42 & 53, NSF/ANSI 372 and CSA Standard B483.1. Product is compliant to California Health and Safety Code 116875 (AB 1953), California Proposition 65 and the Federal Safe Drinking Water Act. Model 2000S is certified to the Standard for Water Treatment Appliances (UL979).

DISCLAIMER: Continued product improvements make specifications subject to change without notice. Check www.hawsco.com for the latest product information and updates.

INSTALLATION GUIDE

1455 Kleppe Lane ◆Sparks, NV 89431-6467 ◆(888) 909-4297
◆ website: www.Hawsco.com

No. 0510000663 (2)

Model 2000S/2000SN
Bottle Filler with Lifecycle Control

NOTE: A Class A ground-fault circuit interrupter (GFCI) shall be installed in the branch-circuit supplying power to this unit.

CAUTION! Prior to making any electrical connections, verify with a voltmeter that power from the service panel is **off.**

SHOULD YOU EXPERIENCE DIFFICULTY WITH THE INSTALLATION OF THIS MODEL, OR REQUIRE REPLACEMENT PARTS, PLEASE CALL:

TECHNICAL SUPPORT:
1-800-766-5612

HOURS OF OPERATION: MON-THURS 7:00a.m. - 4:30p.m PT, FRI 7:00a.m.- 11:00a.m. PT

QUICK START REFERENCE

PARTS LIST: 1 bottle filler, 1 filter cartridge, 1 plastic drain basin, 1 brass waste bend, 1 waste nut, 1 rubber waste washer, 1 hex key, 2 drain basin screws, 2 drain basin screw washers.

RECOMMENDED TOOLS: Phillips screwdrivers, level, slip joint pliers.

REQUIRED PARTS (NOT SUPPLIED): Qty. 6 – 10 #6 sheet metal or wood screws (depending on construction of wall studs), 1/2” screwdriver stop, 3/8” tubing (to be used for water supply inlet), 1-1/4” trap, qty. 3 wire connectors.

PRODUCT INSTALLATION: When installing this product, local, state or federal codes should be adhered to. This unit is certified for indoor use only.

SUPPLY LINE: Minimum recommended line size is 1/2" IPS with 30-90 PSI (2-6 ATM) flowing pressure; supply water is to be cold water supply. Intended for municipal water only.

PLUMBING CONNECTIONS: Inlet is 3/8” O.D. push-in type fitting. Waste bend is 1-1/4” O.D. pipe; an acceptable trap must be used after waste bend.

ELECTRICAL CONNECTIONS: 115VAC, 60HZ, approx. 0.14A. Unit wired directly to incoming line (stripped leads provided).

RATED SERVICE FLOW: 0.5 GPM (2725L/day)
OPERATING TEMPERATURE: 35–100˚F (1.7–37.8˚C)
OPERATING PRESSURE: 30-90 PSI
FILTER CAPACITY: 2500 gallons (9460L) or 1 year
REPLACEMENT FILTER CARTRIDGE: Electronic Lifecycle Control Filter Model 6423

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INSTALLATION PROCEDURE

WARNING: Make certain power is disconnected before installation to reduce risk of electrical shock.

WARNING: Filter is not intended to withstand operating pressures greater than 100 PSI (6.8 ATM). If inlet pressure is greater than this, filter must be protected with a pressure regulator.

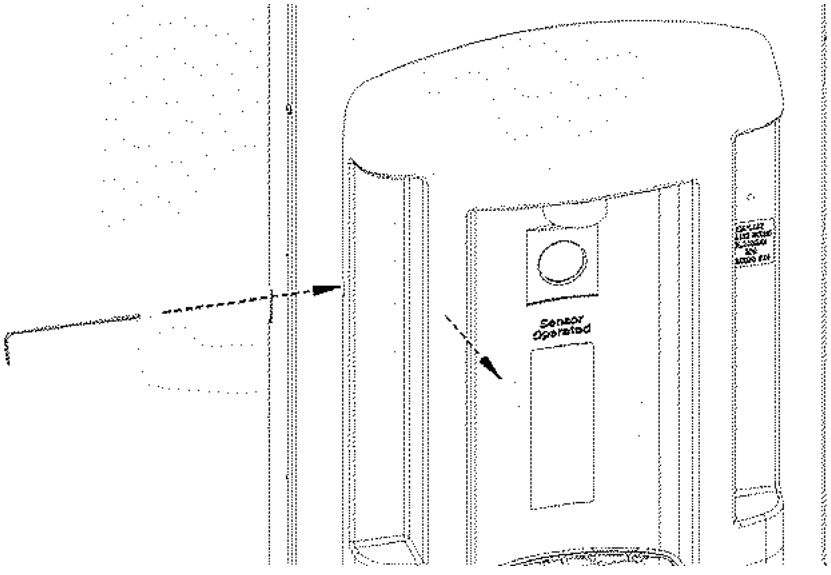
NOTES:

1. **This unit is certified for indoor use only.**
2. **For all plastic push-in type fitting connections, only connect NSF-61 copper or plastic tubing. Stainless steel or glass tubing is not recommended. The following assembly instructions must be followed to ensure a watertight connection:**
   - **a. Cut tubing square and clean.**
   - **b. Mark from end of tube the length of insertion (See table below).**
   - **c. Push tube into the fitting until it bottoms out.**
   - **d. To remove, depress collet and pull tubing out.**

Tube Sizes	O.D. Tolerance	Insertion Depth
1/4”	±.005”	11/16”
3/8”	±.005”	3/4”
1/2”	±.005”	7/8”

3. **Use NSF-61 approved pipe joint sealant on all threaded water connections.**
4. **Do not use with water that is microbiologically unsafe or unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.**
5. **Use the cardboard inserts from the box to support the unit while preparing for installation by placing unit face down on inserts.**

Step 1: To open the unit, slide the supplied hex key into the notch in the left-hand side of the hinged upper plastic panel and press the key firmly in that same direction. This will disengage the internal spring latch. Simultaneously pull open the hinged panel (see Step 1 Diagram). Take care not to damage the stainless steel panel or the spring latch in this process.

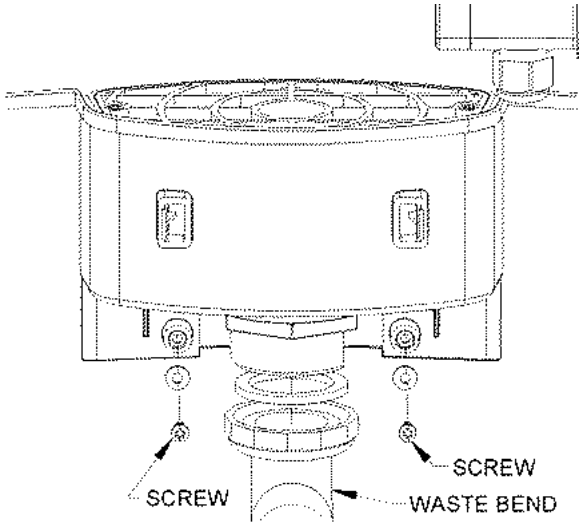


Step 1 Diagram

Step 2: Unscrew the 4 side-mounted panel screws on the outside of the bottle filler using the

supplied hex key, and remove the mounting frame from the bottle filler (see Step 2 Diagram).

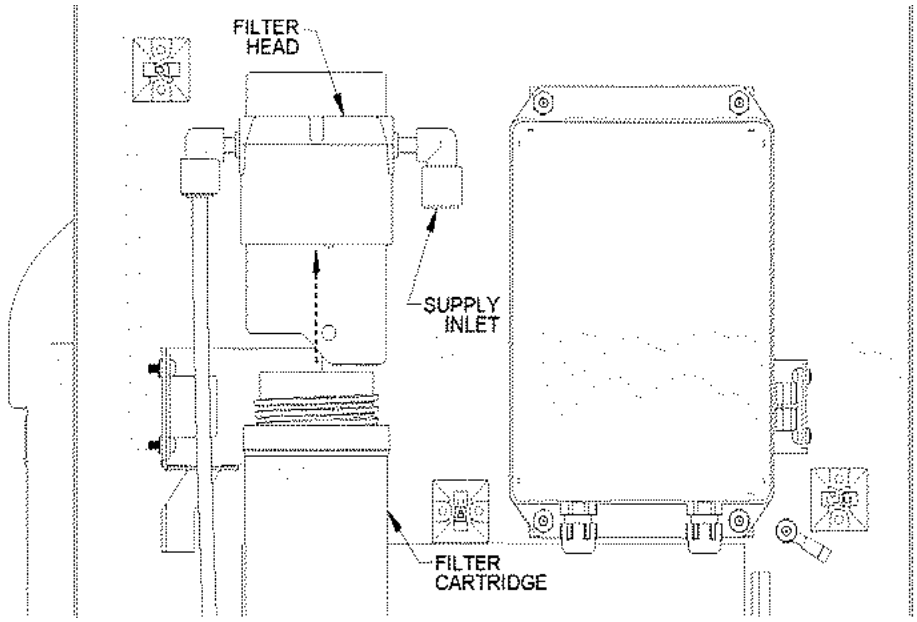
Step 3: Use the 2 washers and the 2 screws supplied to attach drain basin to unit as shown in Step 3 diagram (other components removed for clarity).
Install waste bend with nut and rubber washer as shown (see Step 3 Diagram).



Step 3 Diagram
(Back View)

Step 2 Diagram

Step 4: Firmly screw filter cartridge into filter head (see Step 4 Diagram). NOTE: Bottle filler will work only if a filter cartridge is installed and its wiring is plugged in (see Step 9).

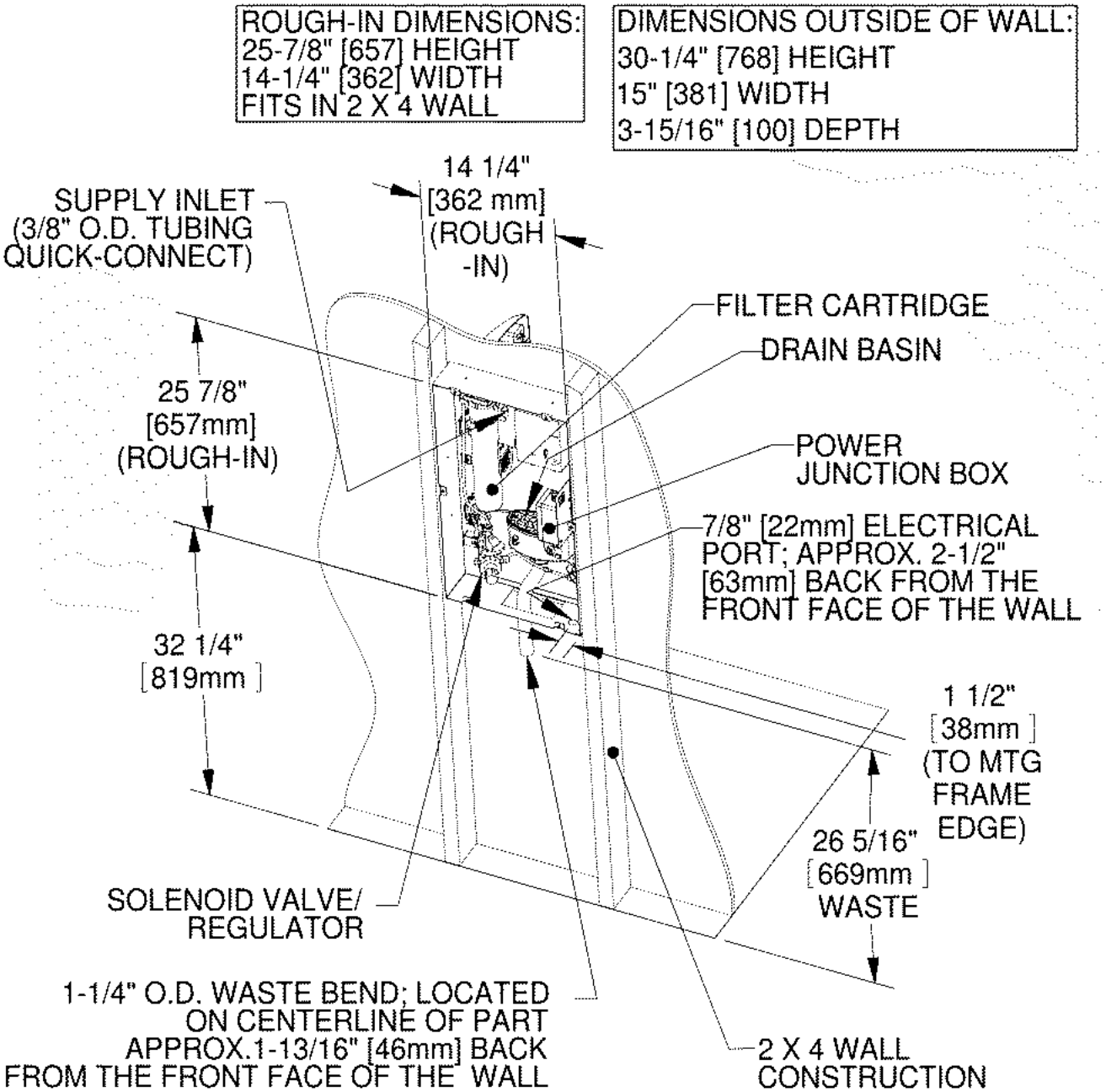


Step 5: Create a wall opening for the unit as shown in Step 5 Diagram – hold rough-in dimensions to within 1/8". The bottle filler is designed to fit between two normally spaced 2 X 4 studs (16" center-to-center).
Install waste line, supply line, and electrical lines in locations shown. The supply line should be brought up through the rectangular waste cutout in the bottom of the unit. Double-check waste, supply, and electrical line locations.
Install a 1/2" IPS supply screwdriver stop (not supplied) into the water supply line where it will be readily accessible.

NOTE: A suitable trap must be used in conjunction with the waste. This trap should be positioned in a location where it can be accessed and removed (it may be helpful to use a wall-mounted access panel).

NOTE: When installing this unit, all pertinent local, state, or federal codes should be adhered to.

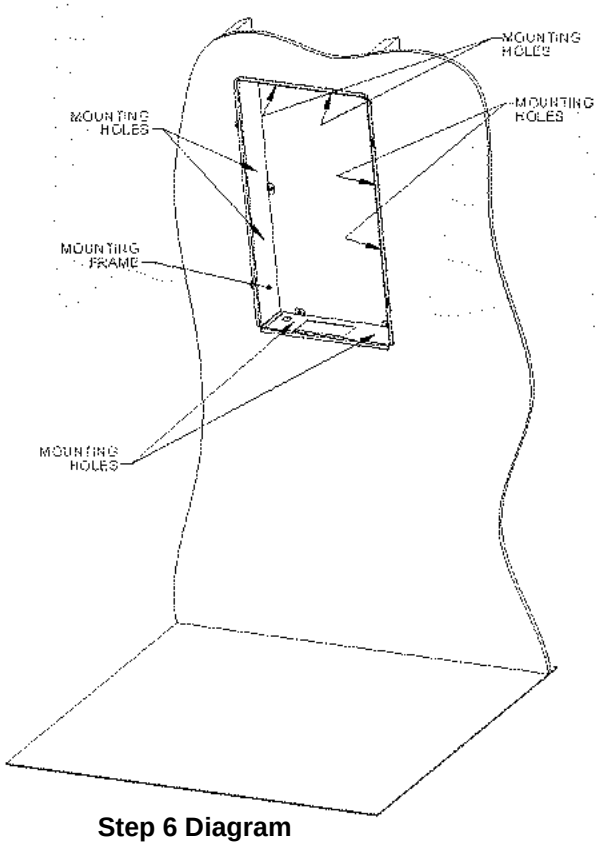
Bottle filler (rear cover removed) viewed from behind wall



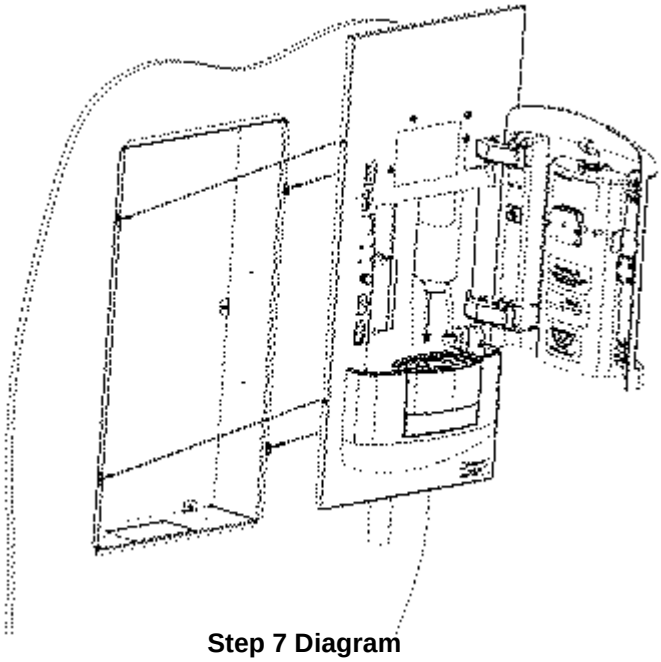
Step 5 Diagram

Step 6: Place the mounting frame into its opening such that it sits flush against the wall. Use some appropriate #6 screws (between 4 & 8 as required; not supplied) to secure the frame into the wall; notice that mounting holes are provided in the top, bottom, and sides of the mounting frame (see Step 6 Diagram).

Use a level to verify that the mounting frame is level horizontally and vertically; this will help to assure proper drainage and water flow that is properly aligned.



Step 6 Diagram

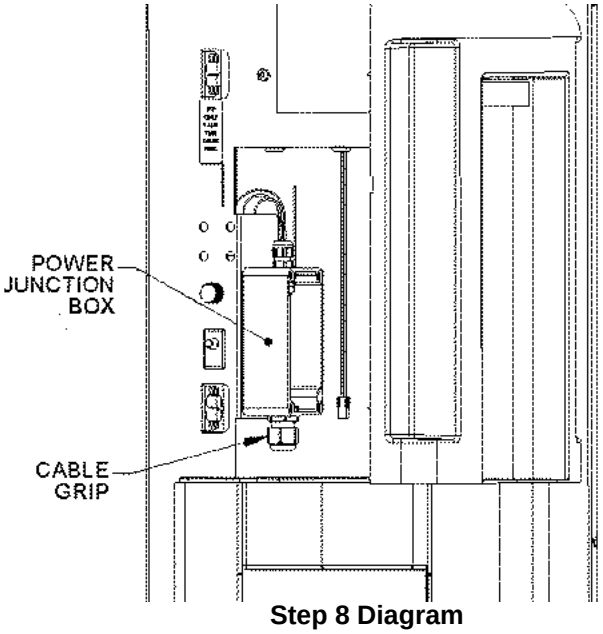


Step 7 Diagram

Step 7 Diagram

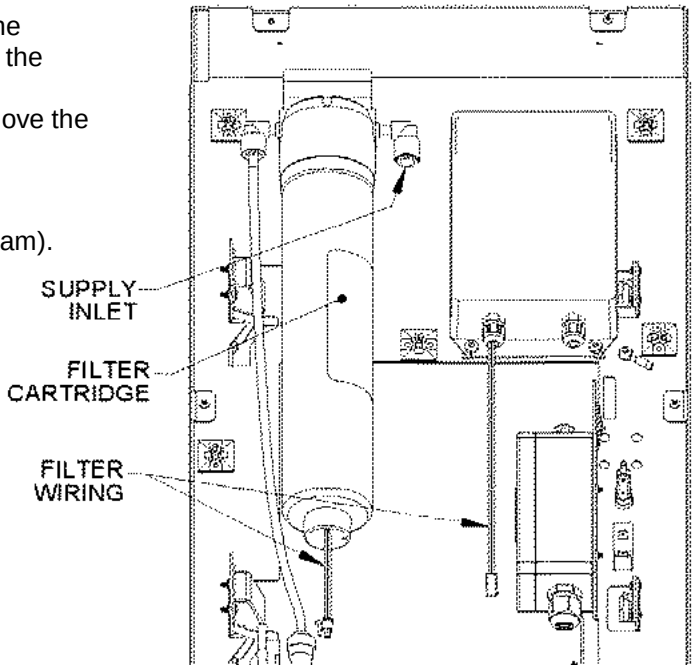
Step 7:
Place the bottle filler onto its mounting frame and make the connection between the bottle filler waste and the plumbed-in waste line.
Secure the bottle filler to the mounting frame using the 4 screws removed in Step 2 (see Step 7 Diagram).

Step 8: Open the power junction box; run supply power wiring through the bottom cable grip. Connect supply power to lead (black), neutral (white), and ground (green) wires inside the box (stripped leads provided) (see Step 8 Diagram). Replace cover.



Step 8 Diagram

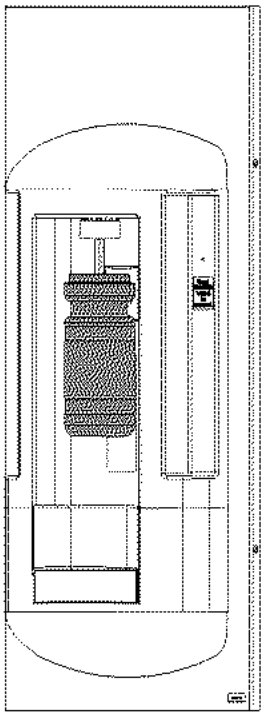
Step 9: Run 3/8” tubing (not supplied) between the screwdriver stop (installed in Step 5) and the bottle filler’s supply inlet elbow in the filter head (it may help to temporarily remove the filter cartridge – see Step 9 Diagram). Connect the wiring coming off of the filter cartridge to the wiring coming out of the circuit board enclosure (see Step 9 Diagram).



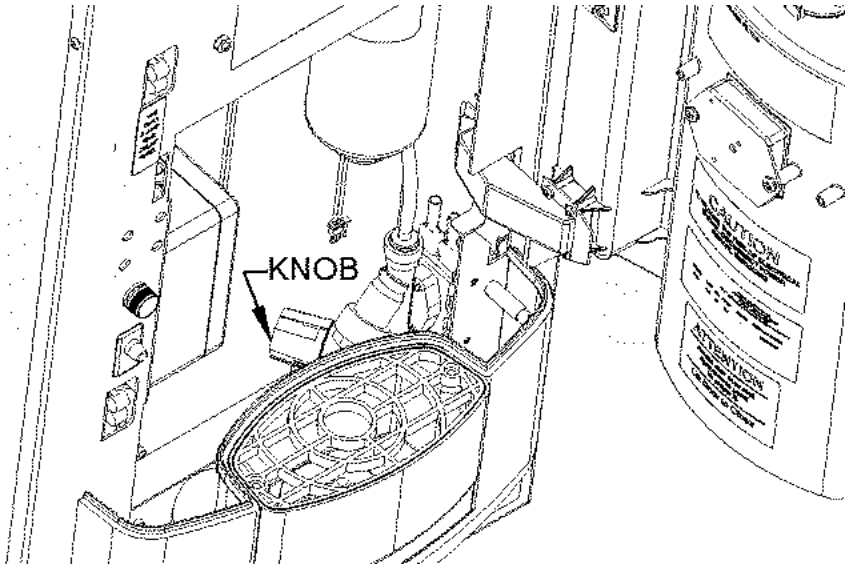
Step 9 Diagram (Back View)

Step 10: Open the screwdriver stop **wide open** and check for leaks. Close the hinged upper panel and provide power to the bottle filler.

Step 11: Activate the bottle filler by placing a bottle or cup in front of the sensor (see Step 11 Diagram A). If water does not dispense, see the Troubleshooting Guide in the Owner’s Manual. The pressure regulator may need to be adjusted to better complement the input pressure at the installation site (see Step 11 Diagram B below). To do so, pull out the adjustment knob and rotate as needed (clockwise from the front of the unit decreases flow); push knob in when desired flow is achieved. * Flow rate is factory set to the maximum flow rate for reduced water consumption.



Step 11 Diagram A



Step 11 Diagram B

Step 12: **Approximately five gallons** of water must be run through the system after the unit is installed in order to remove the loose carbon particles from the filter cartridge and any air bubbles from the system (both of these are normal occurrences after a filter change). Check the system for leaks. Place hex key in a secure location.

MOP-01 Back-of-House Mop Sink

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-113-EL_MOP-01

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Mop Sink
Item Type	Mop Sink
Description	Mop Service Basin - 1 Piece, Molded fiberglass Construction, integrally molded center drain with seal. Removable stainless steel strainer. 24" x 24" x 10" / Floor Mounted
Manufacturer	E.L. Mustee & Sons
Model	63M
Dimensions	Refer to attachment
Color	White
Material Composition	Durastone
Global Specification	Y
CSI #	224200 - Commercial Plumbing Fixtures*
Omniclass #	22-224200
Quality Standards	Meets IAPMO / ANSI Z124.6-2007; ASME A112.18.2 / CSA B45.0; CSA B45.5
Part of an Assembly	N

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: E.L. Mustee & Sons, Inc
Contact Name: Marcus and Weimer, Inc.
Phone: (440) 247-3570
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Fiat
Contact Name: Customer Service
Phone: (800) 387-0369
Email: info@fiat.ca

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

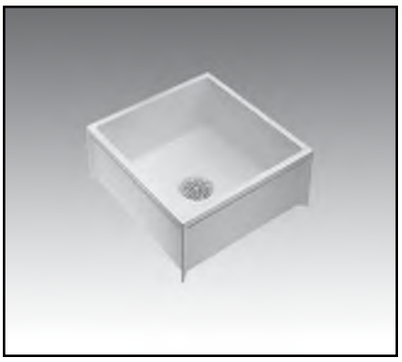
AREAS

Engineering & Maintenance
Housekeeping

MUSTEE
Preferred by the "Pros"

Mop Service Basin — Model 63M

SEE PAGE 2 FOR A LIST OF ACCESSORIES!



Design features:

- **All Mustee basins are one-piece molded from high impact resistant DURASTONE® structural fiberglass (24" x 24")**
- **Integral, molded-in drain for connection to 3" ABS, PVC (Sch. 80) or cast iron**
- **Available drain seals for connection to 2" pipe or 3" soil pipe**
- **Complete range of accessories to meet specific application needs**
- **Colorfast marbleized white finish**
- **Easy to install**

Code Accepted

Mustee Mop Service Basins meet or exceed performance requirements as listed:

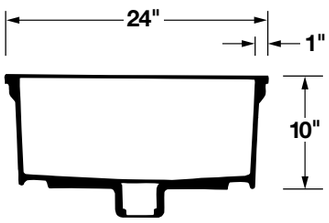
- **International Association of Plumbing and Mechanical Officials (IAPMO)® Listed**
- **Warnock Hersey® (Canada) Listed—CSA test standards: Mop Basins - #B45.0**
- **American National Standards Institute (ANSI)-Specification Z 124-2011**
- **American Society of Testing and Materials (ASTM) D 635 E 84 and E 162**
- **CAN/ULC S102-07 Burn and Smoke Test**

Specifications

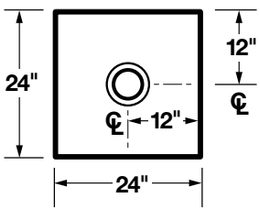
Model Number	Model	H x W x D	UPC
63M	White	10" x 24" x 24"	6 71031 00189 4

General: Furnish and install as shown on plans, Mop Service Basin model 63M, as manufactured by E.L. Mustee & Sons, Inc. Unit to be one-piece molded fiberglass made with matched metal molds using extreme heat and pressure. Height shall be 10" with not less than 1" wide shoulder. Size 24" x 24". Drain shall be integrally molded, complete with drain seal for installation of 3" ABS, PVC (Sch. #80) and iron pipe. Removable stainless steel strainer. Performance tested to meet or exceed ANSI Z 124-2011 and FHA/HUD UM-73. Weight 45 lbs., cubic feet 4.2. Install in compliance with local codes.

Sectional View



Top View



MUSTEE
E.L. Mustee & Sons, Inc. • 5431 West 164th Street • Brook Park, OH 44142 • Phone: 216.267.3100 • Fax: 216.267.9997
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Patents pending. Made and Printed in U.S.A.

MUSTEE
Preferred by the "Pros"

Mop Service Basin — Model 63M Accessories

Service Faucet

Model No.	UPC
63.600A	6 71031 00277 8

Heavy duty, chrome plated brass dual handle sink faucet with top reinforcing bar and pail hook on spout.

Hose and Hose Holder

Model No.	UPC
65.700	6 71031 00196 2

Heavy duty 5/8" dia. reinforced 31" rubber hose with brass couplings on one end. Spring loaded, molded rubber hose holder mounts on stainless steel wall plate.

Mop Hanger

Model No.	UPC
65.600	6 71031 00195 5

Three spring-loaded rubber holders mounted to a 3" x 24" stainless steel wall plate. Click here for more information.

Bumper Guards

Available in high impact resistant molded vinyl (3 versions) or stainless steel (2 versions).

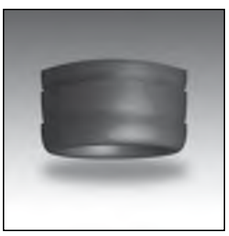
Model No.	UPC
High Impact-resistant vinyl	
63.401 20-3/4" Long	6 71031 00290 7
Stainless steel	
63.403 20-3/4" Long	6 71031 00409 3

DURAGUARD™ Wall Guards

Protects wall surfaces from splashing and damage from impacts, 12" height, 20 gauge #304 stainless steel.

Model No.	UPC
67.2424 Two panels & bracket for 24" x 24" corner	6 71031 00293 8
67.24C One panel & corner bracket	6 71031 00295 2

Optional Seals



For installations with the following pipe connections:

Model No.	UPC
65.308 For 2" PVC, ABS and iron	6 71031 00303 4
65.309 For 3" PVC, ABS and iron,(Included w/mop basin)	6 71031 00304 1
65.311 For 3" soil pipe (No-Hub)	6 71031 00305 8

MUSTEE
E.L. Mustee & Sons, Inc. • 5431 West 164th Street • Brook Park, OH 44142 • Phone: 216.267.3100 • Fax: 216.267.9997
E-mail: info@mustee.com. • Web: www.mustee.com • Proudly made in the USA

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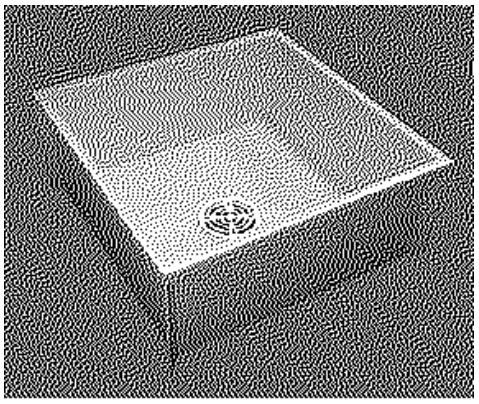
Patents pending. Made and Printed in U.S.A.

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-113-FI_MOP-01

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Mop Sink
Item Type	Mop Sink
Description	Mop Service Basin Molded stone Construction, integrally molded center drain with seal. Removable stainless steel strainer. 24" x 24" x 10" / Floor Mounted
Manufacturer	Fiat Products
Model	MSBID2424
Dimensions	Refer to attachment
Color	White
Material Composition	Molded Stone
Global Specification	Y
CSI #	224200 - Commercial Plumbing Fixtures*
Omniclass #	22-224200
Quality Standards	IAPMO / ANSI Z124.6-2007; ASME A112.18.2 / CSA B125.2; CSA B45.5
Part of an Assembly	N

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Fiat
Contact Name: Customer Service
Phone: (800) 387-0369
Email: info@fiat.ca

ALTERNATE MANUFACTURER 2

Vendor Name: E.L. Mustee & Sons, Inc
Contact Name: Marcus and Weimer, Inc.
Phone: (440) 247-3570
Email:

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Engineering & Maintenance
Housekeeping

FIAT® PRODUCTS

MOLDED STONE® INTEGRAL DRAIN MOP SERVICE BASIN MSBID2424

MOLDED STONE® INTEGRAL DRAIN MOP SERVICE BASIN

❑ **MSBID2424**
- Molding done in matched metal dies under heat and pressure resulting in a one-piece homogeneous product
- Integral drain is molded into a one piece unit and designed to connect to a 3" (76mm) drain pipe with a QIC3XH gasket
- Stainless steel strainer included

Nominal Dimensions:
24" x 24" x 10"
(610 x 610 x 254mm)

Shipping Weight:
27lbs. (12.3 Kg)

SEE REVERSE FOR ROUGHING-IN DIMENSIONS

Optional Components:

❑ **QIC32** Quick Drain Connector for 2" pipe. Order separately.

❑ **QIC3SN** Quick Drain Connector for 3" cast iron soil pipe. Order separately

❑ **830AA** Service Faucet:
- Chrome plated with vacuum breaker, integral stops, adjustable wall brace, pail hook and 3/4" hose thread on spout

❑ **832AA** Hose & Hose Bracket

❑ **889CC** Mop Hanger

❑ **833AA** Silicone Sealant

❑ **E77AA24** Vinyl Bumperguard

❑ **MSG2424** Stainless Steel Wall Guard

Compliance Certifications -
Meets or Exceeds the Following Specifications:
- IAPMO / ANSI Z124.6-2007
- ASME A112.18.2 / CSA B125.2
- CSA B45.5
- Made in U.S.A.

FIAT
QUALITY FOR LIFE

Customer Service Canada
1-800-387-0369
www.fiat.ca

Customer Service United States
1-800-442-1902
www.fiatproducts.com

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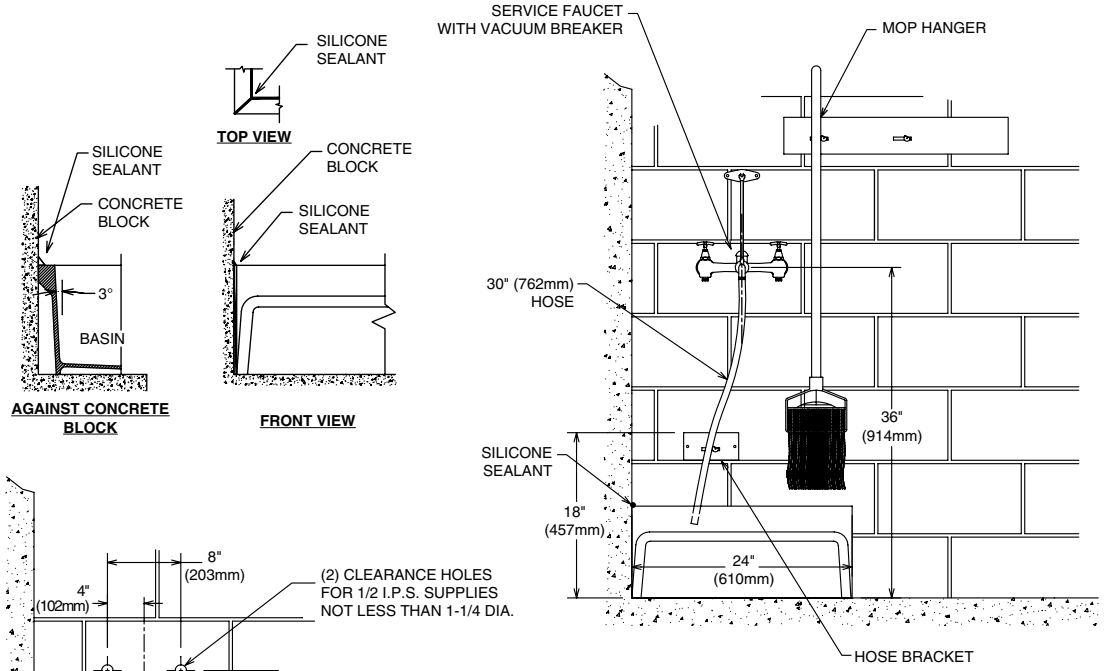
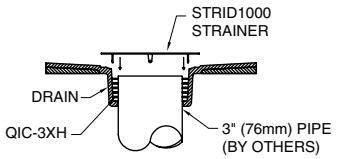
Revised 6/10

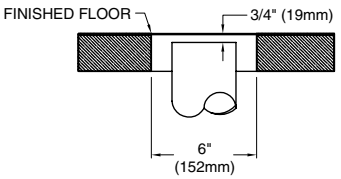
FIAT® PRODUCTS

MOLDED STONE® INTEGRAL DRAIN MOP SERVICE BASIN MSBID2424

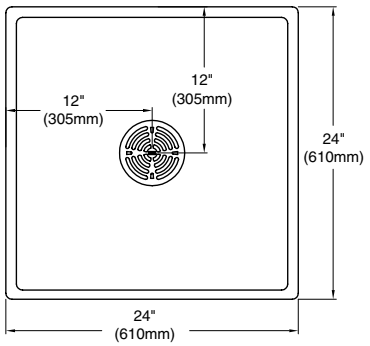




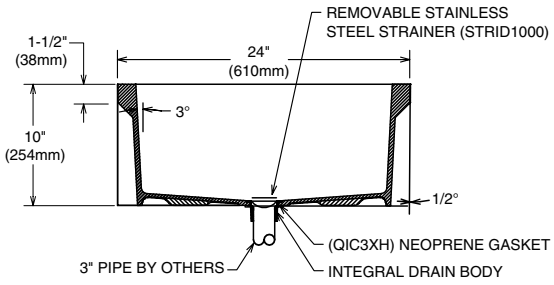
SECTION THRU DRAIN CONNECTION



SUGGESTED INSTALLATION THRU DRAIN PIPE



ROUGH-IN DETAILS TOP VIEW



ROUGH-IN DETAILS FRONT VIEW

Installation Note : QIC32 Quick Drain Connector for 2" pipe or QIC3SN Quick Drain Connector for cast iron soil pipe must be ordered separately.

IMPORTANT: Roughing-in dimensions may vary 1/2" and are subject to change or cancellation without prior notice.

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Customer Service Canada
1-800-387-0369
www.fiat.ca

Customer Service United States
1-800-442-1902
www.fiatproducts.com

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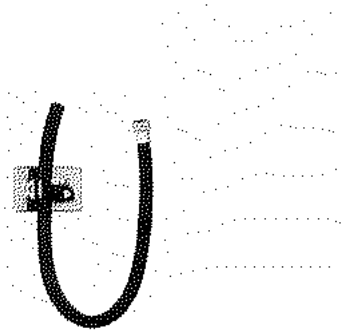
Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-114-DE_MOP-01

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Hose Holder
Item Type	Mop Sink Hose Holder
Description	Heavy Duty 5/8" diameter, 36" rubber hose and spring loaded molded rubber hose holder on stainless steel wall plate, 3 1/2" x 5", wall mounted.
Manufacturer	Delta Faucet Company
Model	28T911
Dimensions	5/8" dia, 36"
Color	Stainless Steel
Material Composition	Rubber
CSI #	224200 - Commercial Plumbing Fixtures*



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Delta Faucet Company
Contact Name: Emily Mueller
Phone: (210) 870-9932
Email: emily.mueller@deltafaucet.com

ALTERNATE MANUFACTURER 2

Vendor Name: E.L. Mustee & Sons, Inc
Contact Name: Marcus and Weimer, Inc.
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Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 4

Vendor Name: Fiat
Contact Name: Customer Service
Phone: (800) 387-0369
Email: info@fiat.ca

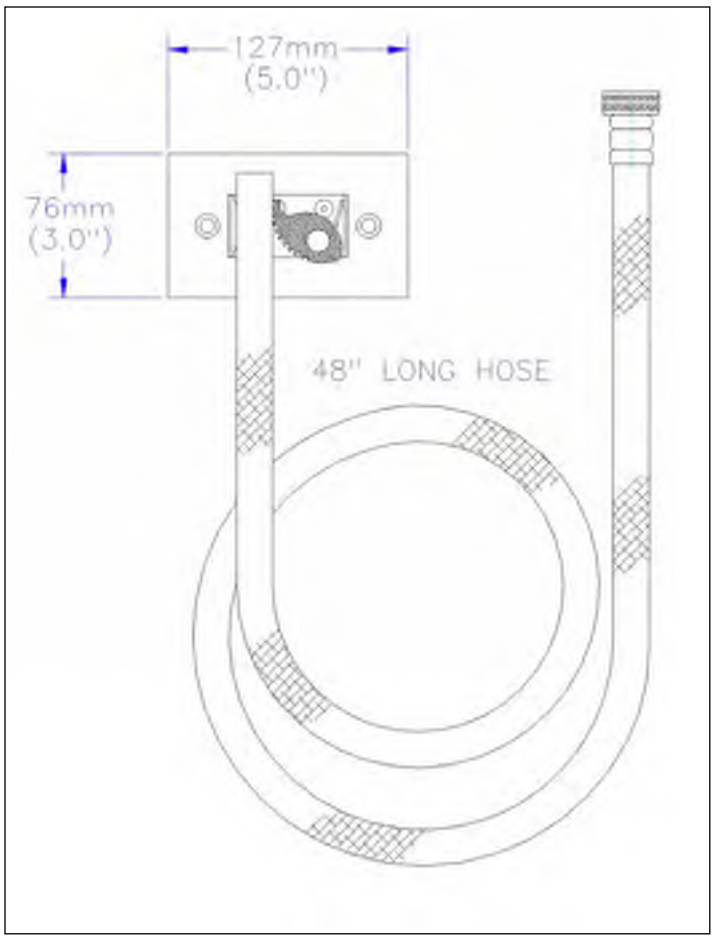
AREAS

Engineering & Maintenance
Housekeeping

Sink Faucet Wallmount

Mop Sink Faucet & Hose Accessories

Model No: 28T911



COMPLIES WITH:

- (Contact Delta Representative for State and/or Local Approvals)

SPECIFICATION:

- Heavy duty 1219mm(48") long reinforced hose,
- brass coupling,
- stainless steel hanger bracket,
- 76mm x 102mm(3" x 5") with rubber grip

Delta reserves the right (1) to make changes to specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference. Measurement may vary plus or minus 6mm(0.25"). Mounting locations are suggested only. Check with local codes for requirements in your area.

Delta Faucet Company - 55 East 111th St. - Indianapolis, Indiana, USA 46280 - (317) 848-1812
Delta Faucet Canada - 395 Matheson Blvd E - Mississauga, Ontario, Canada L4Z 2H2 - (905) 712-3030

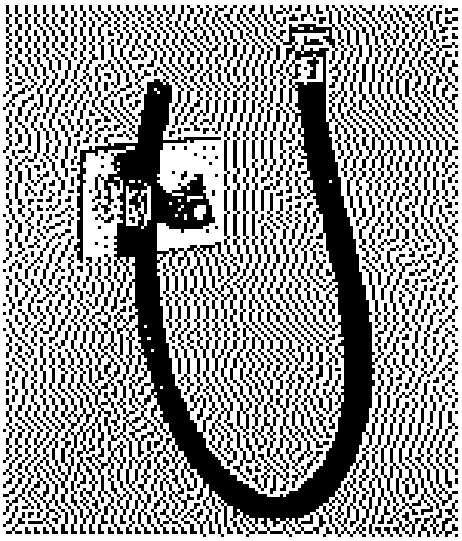
Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-114-EL_MOP-01

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Mop Sink Hose and Bracket
Item Type	Mop Sink Hose and Bracket
Description	Heavy Duty 5/8" diameter, 31" Rubber Hose and Spring Loaded Molded Rubber Hose Hoder on Stainless Steel Wall Plate/ Wall Mounted
Manufacturer	E.L. Mustee & Sons
Model	65-700
Dimensions	Refer to attachment
Material Composition	Stainless Steel
Global Specification	Y
CSI #	224200 - Commercial Plumbing Fixtures*
Omniclass #	22-224200
Part of an Assembly	N



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: E.L. Mustee & Sons, Inc
Contact Name: Marcus and Weimer, Inc.
Phone: (440) 247-3570
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Fiat
Contact Name: Customer Service
Phone: (800) 387-0369
Email: info@fiat.ca

ALTERNATE MANUFACTURER 3

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 4

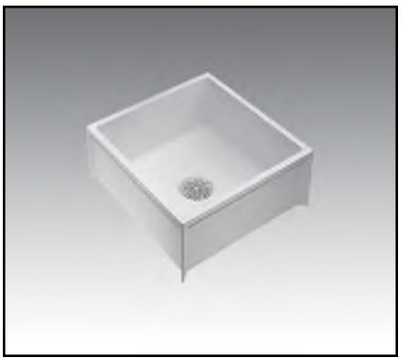
AREAS

Engineering & Maintenance
Housekeeping

MUSTEE
Preferred by the "Pros"

Mop Service Basin — Model 63M

SEE PAGE 2 FOR A LIST OF ACCESSORIES!



Design features:

- **All Mustee basins are one-piece molded from high impact resistant DURASTONE® structural fiberglass (24" x 24")**
- **Integral, molded-in drain for connection to 3" ABS, PVC (Sch. 80) or cast iron**
- **Available drain seals for connection to 2" pipe or 3" soil pipe**
- **Complete range of accessories to meet specific application needs**
- **Colorfast marbleized white finish**
- **Easy to install**

Code Accepted

Mustee Mop Service Basins meet or exceed performance requirements as listed:

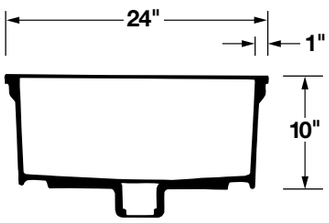
- **International Association of Plumbing and Mechanical Officials (IAPMO)® Listed**
- **Warnock Hersey® (Canada) Listed—CSA test standards: Mop Basins - #B45.0**
- **American National Standards Institute (ANSI)-Specification Z 124-2011**
- **American Society of Testing and Materials (ASTM) D 635 E 84 and E 162**
- **CAN/ULC S102-07 Burn and Smoke Test**

Specifications

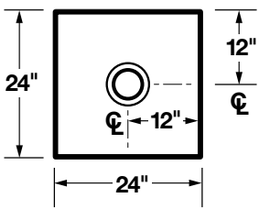
Model Number	Model	H x W x D	UPC
63M	White	10" x 24" x 24"	6 71031 00189 4

General: Furnish and install as shown on plans, Mop Service Basin model 63M, as manufactured by E.L. Mustee & Sons, Inc. Unit to be one-piece molded fiberglass made with matched metal molds using extreme heat and pressure. Height shall be 10" with not less than 1" wide shoulder. Size 24" x 24". Drain shall be integrally molded, complete with drain seal for installation of 3" ABS, PVC (Sch. #80) and iron pipe. Removable stainless steel strainer. Performance tested to meet or exceed ANSI Z 124-2011 and FHA/HUD UM-73. Weight 45 lbs., cubic feet 4.2. Install in compliance with local codes.

Sectional View



Top View



MUSTEE
E.L. Mustee & Sons, Inc. • 5431 West 164th Street • Brook Park, OH 44142 • Phone: 216.267.3100 • Fax: 216.267.9997
E-mail: info@mustee.com. • Web: www.mustee.com • Proudly made in the USA

Notice: Our continuous commitment to product improvement may result in changes to product specifications without notice.
Patents pending. Made and Printed in U.S.A.

MUSTEE
Preferred by the "Pros"

Mop Service Basin — Model 63M Accessories

Service Faucet

Model No.	UPC
63.600A	6 71031 00277 8

Heavy duty, chrome plated brass dual handle sink faucet with top reinforcing bar and pail hook on spout.

Hose and Hose Holder

Model No.	UPC
65.700	6 71031 00196 2

Heavy duty 5/8" dia. reinforced 31" rubber hose with brass couplings on one end. Spring loaded, molded rubber hose holder mounts on stainless steel wall plate.

Mop Hanger

Model No.	UPC
65.600	6 71031 00195 5

Three spring-loaded rubber holders mounted to a 3" x 24" stainless steel wall plate. Click here for more information.

Bumper Guards

Available in high impact resistant molded vinyl (3 versions) or stainless steel (2 versions).

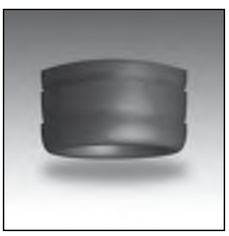
Model No.	UPC
High Impact-resistant vinyl	
63.401 20-3/4" Long	6 71031 00290 7
Stainless steel	
63.403 20-3/4" Long	6 71031 00409 3

DURAGUARD™ Wall Guards

Protects wall surfaces from splashing and damage from impacts, 12" height, 20 gauge #304 stainless steel.

Model No.	UPC
67.2424 Two panels & bracket for 24" x 24" corner	6 71031 00293 8
67.24C One panel & corner bracket	6 71031 00295 2

Optional Seals



For installations with the following pipe connections:

Model No.	UPC
65.308 For 2" PVC, ABS and iron	6 71031 00303 4
65.309 For 3" PVC, ABS and iron,(Included w/mop basin)	6 71031 00304 1
65.311 For 3" soil pipe (No-Hub)	6 71031 00305 8

MUSTEE
E.L. Mustee & Sons, Inc. • 5431 West 164th Street • Brook Park, OH 44142 • Phone: 216.267.3100 • Fax: 216.267.9997
E-mail: info@mustee.com. • Web: www.mustee.com • Proudly made in the USA

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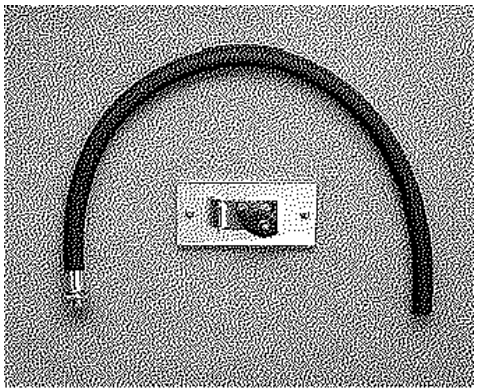
Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-114-FI_MOP-01

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Mop Sink Hose and Bracket
Item Type	Mop Sink Hose and Bracket
Description	Long flexible, heavy duty 5/8" rubber hose. Cloth reinforced with 3/4" brass coupling at one end. Bracket is 5" long x 3" wide, stainless steel with rubber grip.
Manufacturer	Fiat
Model	832-AA
Material Composition	Stainless Steel
Global Specification	Y
CSI #	224200 - Commercial Plumbing Fixtures*
Omniclass #	22-224200
Part of an Assembly	N

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Fiat
Contact Name: Customer Service
Phone: (800) 387-0369
Email: info@fiat.ca

ALTERNATE MANUFACTURER 2

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 3

Vendor Name: E.L. Mustee & Sons, Inc
Contact Name: Marcus and Weimer, Inc.
Phone: (440) 247-3570
Email:

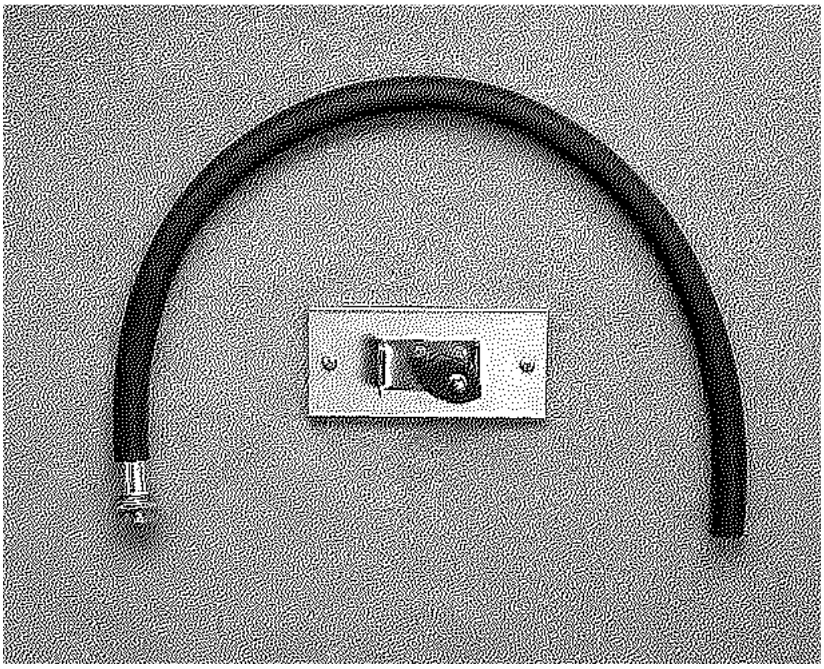
ALTERNATE MANUFACTURER 4

AREAS

Engineering & Maintenance
Housekeeping

HOSE AND HOSE BRACKET

832-AA



FEATURES

- ***GENERAL:*** *Long flexible, heavy duty ⅝" rubber hose. Cloth reinforced with ¾" brass coupling at one end. Bracket is 5" long x 3" wide, stainless steel with rubber grip. Hose and Hose Bracket are used with the 36" x 24" x 10" Molded-Stone Mop Service Basin with Shelf (MSB-3624) and the 24" x 24" x 10" Molded-Stone Mop Services Basin less Shelf (MSB-2424).*

NOTES

OPTIONS

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A CRANE PLUMBING COMP ANY

* Not furnished by Fiat Products. Description for specification purposes only.

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Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-114-MO_MOP-01

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Mop Sink Hose and Bracket
Item Type	Mop Sink Hose and Bracket
Description	Heavy Duty 5/8" diameter, 36" Rubber Hose and Spring Loaded Molded Rubber Hose Hoder on Stainless Steel Wall Plate 3-1/2" x 5" / Wall Mounted
Manufacturer	Moen
Model	8199
Dimensions	Refer to attachment
Material Composition	Stainless Steel
Global Specification	Y
CSI #	224200 - Commercial Plumbing Fixtures*
Omniclass #	22-224200
Part of an Assembly	N

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

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Contact Name: Marcus and Weimer, Inc.
Phone: (440) 247-3570
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Fiat
Contact Name: Customer Service
Phone: (800) 387-0369
Email: info@fiat.ca

ALTERNATE MANUFACTURER 4

AREAS

Engineering & Maintenance
Housekeeping

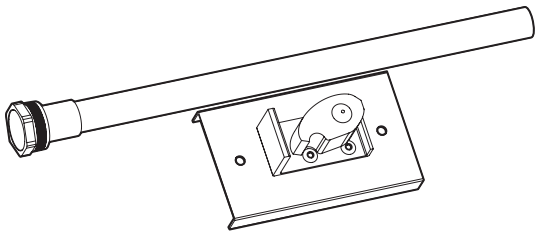
Moen Incorporated

Model: **SERVICE SINK HOSE AND BRACKET**
Model Number: **8199**

MOEN®
COMMERCIAL

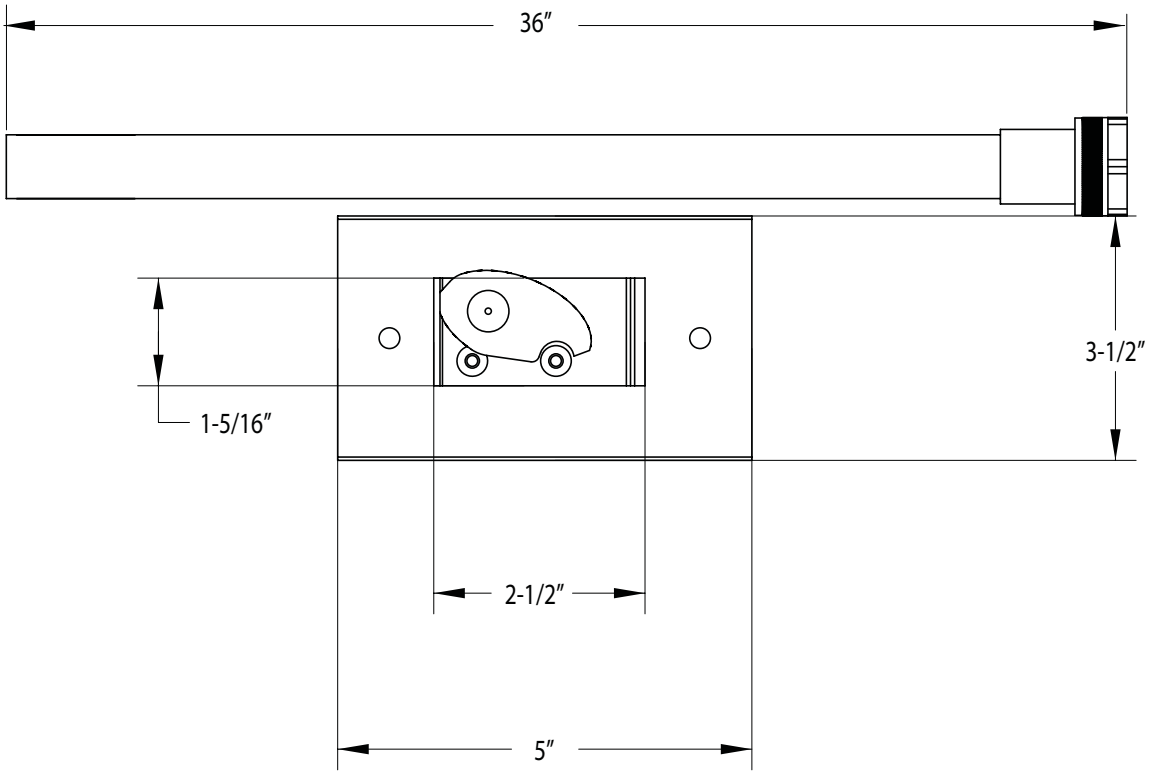
Specifications

DESCRIPTION
- Stainless steel construction
- Anti-sup spring loaded handle grips with stainless steel screws
- 36″ heavy duty hose w/garden hose threaded connection



Hose Bracket w/Rubber Hose

Model: 8199



CRITICAL DIMENSIONS

(DO NOT SCALE)

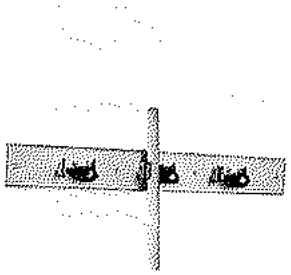
Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-115-DE_MOP-01

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Mop Hanger
Item Type	Mop Hanger
Description	Three spring-loaded, molded rubber mop holders attached to stainless steel wall plate.
Manufacturer	Delta Faucet Company
Model	28T910
Dimensions	3" x 24" wall plate
Color	Stainless Steel
CSI #	224200 - Commercial Plumbing Fixtures*



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Delta Faucet Company
Contact Name: Emily Mueller
Phone: (210) 870-9932
Email: emily.mueller@deltafaucet.com

ALTERNATE MANUFACTURER 2

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Email: Jason.Reynolds@fbgpg.com

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Vendor Name: Fiat
Contact Name: Customer Service
Phone: (800) 387-0369
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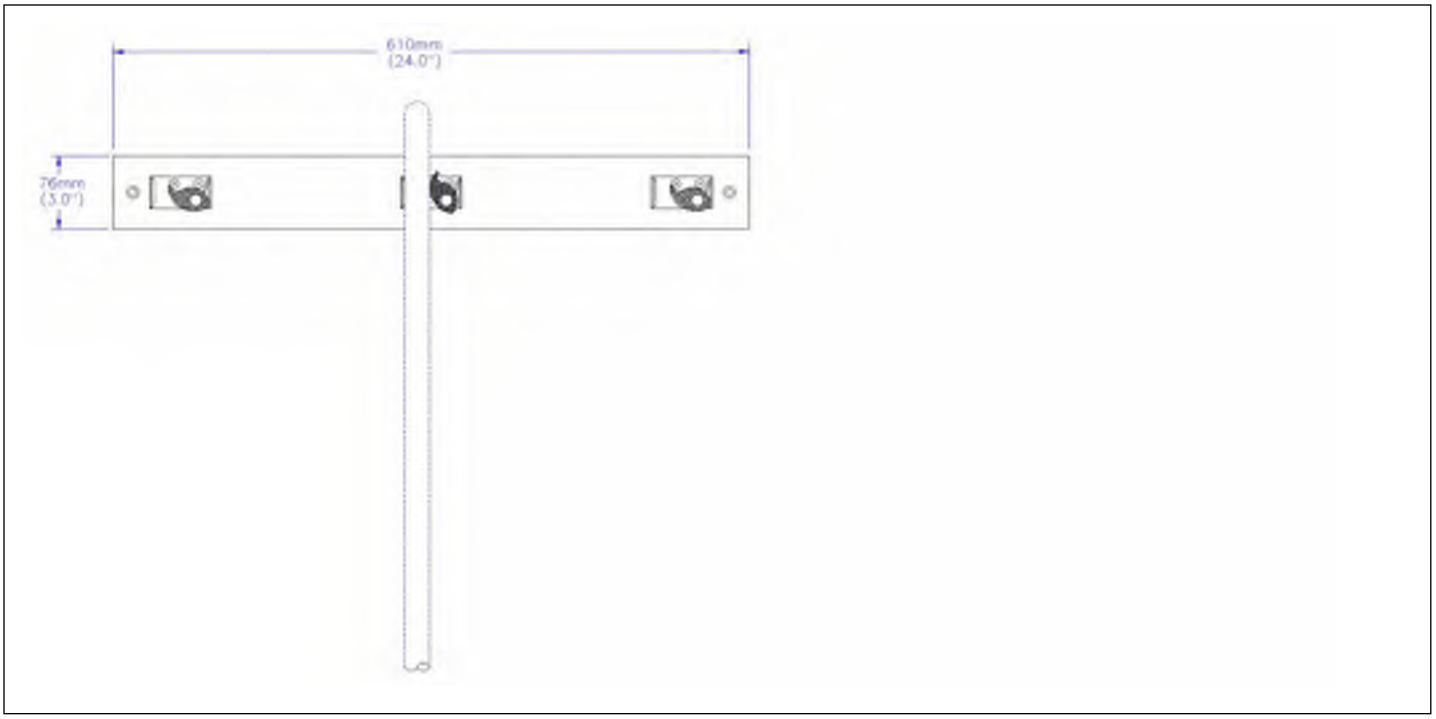
AREAS

Engineering & Maintenance
Housekeeping

Sink Faucet Wallmount

Mop Sink Faucet & Hose Accessories

Model No: 28T910



COMPLIES WITH:

- (Contact Delta Representative for State and/or Local Approvals)

SPECIFICATION:

- Stainless steel mop hanger,
- 76mm x 610mm(3" X 24"),
- 3 spring loaded rubber grip holders.

Delta reserves the right (1) to make changes to specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference. Measurement may vary plus or minus 6mm(0.25"). Mounting locations are suggested only. Check with local codes for requirements in your area.

Delta Faucet Company - 55 East 111th St. - Indianapolis, Indiana, USA 46280 - (317) 848-1812
Delta Faucet Canada - 395 Matheson Blvd E - Mississauga, Ontario, Canada L4Z 2H2 - (905) 712-3030

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PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-115-EL_MOP-01

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Mop Holder
Item Type	Mop Holder
Description	Three spring-loaded Molded rubber mop holders attached to stainless steel wall plate 3" x 24" / Wall Mounted
Manufacturer	E.L. Mustee & Sons
Model	65-600
Dimensions	Refer to attachment
Material Composition	Stainless Steel
Global Specification	Y
CSI #	224200 - Commercial Plumbing Fixtures*
Omniclass #	22-224200
Part of an Assembly	N

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: E.L. Mustee & Sons, Inc
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ALTERNATE MANUFACTURER 4

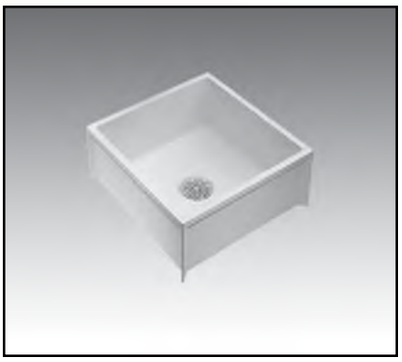
AREAS

Engineering & Maintenance
Housekeeping

MUSTEE
Preferred by the "Pros"

Mop Service Basin — Model 63M

SEE PAGE 2 FOR A LIST OF ACCESSORIES!



Design features:

- **All Mustee basins are one-piece molded from high impact resistant DURASTONE® structural fiberglass (24" x 24")**
- **Integral, molded-in drain for connection to 3" ABS, PVC (Sch. 80) or cast iron**
- **Available drain seals for connection to 2" pipe or 3" soil pipe**
- **Complete range of accessories to meet specific application needs**
- **Colorfast marbleized white finish**
- **Easy to install**

Code Accepted

Mustee Mop Service Basins meet or exceed performance requirements as listed:

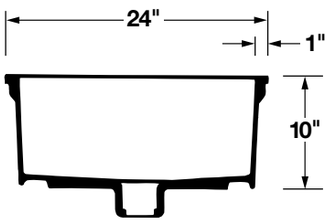
- **International Association of Plumbing and Mechanical Officials (IAPMO)® Listed**
- **Warnock Hersey® (Canada) Listed—CSA test standards: Mop Basins - #B45.0**
- **American National Standards Institute (ANSI)-Specification Z 124-2011**
- **American Society of Testing and Materials (ASTM) D 635 E 84 and E 162**
- **CAN/ULC S102-07 Burn and Smoke Test**

Specifications

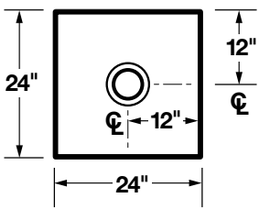
Model Number	Model	H x W x D	UPC
63M	White	10" x 24" x 24"	6 71031 00189 4

General: Furnish and install as shown on plans, Mop Service Basin model 63M, as manufactured by E.L. Mustee & Sons, Inc. Unit to be one-piece molded fiberglass made with matched metal molds using extreme heat and pressure. Height shall be 10" with not less than 1" wide shoulder. Size 24" x 24". Drain shall be integrally molded, complete with drain seal for installation of 3" ABS, PVC (Sch. #80) and iron pipe. Removable stainless steel strainer. Performance tested to meet or exceed ANSI Z 124-2011 and FHA/HUD UM-73. Weight 45 lbs., cubic feet 4.2. Install in compliance with local codes.

Sectional View



Top View



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Mop Service Basin — Model 63M Accessories

Service Faucet

Model No.	UPC
63.600A	6 71031 00277 8

Heavy duty, chrome plated brass dual handle sink faucet with top reinforcing bar and pail hook on spout.

Hose and Hose Holder

Model No.	UPC
65.700	6 71031 00196 2

Heavy duty 5/8" dia. reinforced 31" rubber hose with brass couplings on one end. Spring loaded, molded rubber hose holder mounts on stainless steel wall plate.

Mop Hanger

Model No.	UPC
65.600	6 71031 00195 5

Three spring-loaded rubber holders mounted to a 3" x 24" stainless steel wall plate. Click here for more information.

Bumper Guards

Available in high impact resistant molded vinyl (3 versions) or stainless steel (2 versions).

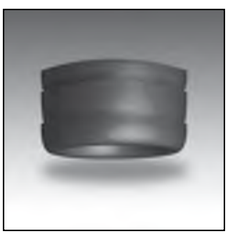
Model No.	UPC
High Impact-resistant vinyl	
63.401 20-3/4" Long	6 71031 00290 7
Stainless steel	
63.403 20-3/4" Long	6 71031 00409 3

DURAGUARD™ Wall Guards

Protects wall surfaces from splashing and damage from impacts, 12" height, 20 gauge #304 stainless steel.

Model No.	UPC
67.2424 Two panels & bracket for 24" x 24" corner	6 71031 00293 8
67.24C One panel & corner bracket	6 71031 00295 2

Optional Seals



For installations with the following pipe connections:

Model No.	UPC
65.308 For 2" PVC, ABS and iron	6 71031 00303 4
65.309 For 3" PVC, ABS and iron,(Included w/mop basin)	6 71031 00304 1
65.311 For 3" soil pipe (No-Hub)	6 71031 00305 8

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Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-115-FI_MOP-01

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Mop Holder
Item Type	Mop Holder
Description	Three spring-loaded Molded rubber mop holders attached to stainless steel wall plate 3" x 24" / Wall Mounted
Manufacturer	Fiat
Model	889-CC
Dimensions	24" long x 3" wide
Material Composition	Stainless Steel
CSI #	224200 - Commercial Plumbing Fixtures*
Omniclass #	22-224200
Part of an Assembly	N

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Fiat
Contact Name: Customer Service
Phone: (800) 387-0369
Email: info@fiat.ca

ALTERNATE MANUFACTURER 2

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 3

Vendor Name: E.L. Mustee & Sons, Inc
Contact Name: Marcus and Weimer, Inc.
Phone: (440) 247-3570
Email:

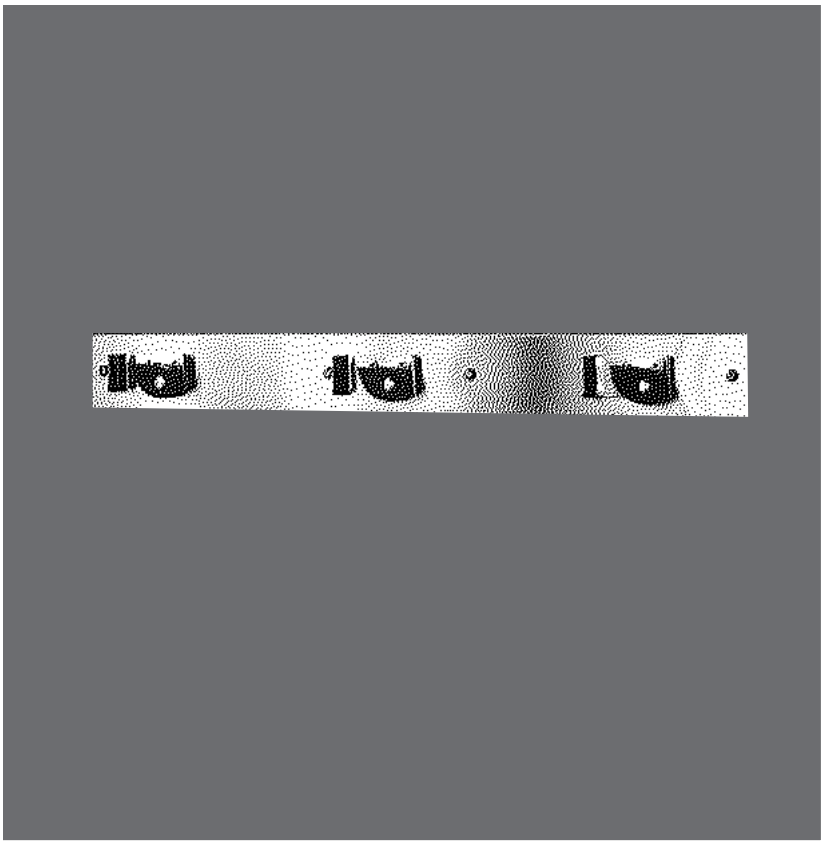
ALTERNATE MANUFACTURER 4

AREAS

Engineering & Maintenance
Housekeeping

MOP HANGER

889-CC



FEATURES

- ***GENERAL:***
  Model No. 889-CC is 24" long x 3" wide, stainless steel with three (3) rubber tool grips. This is used with the 36" x 24" x 10" Molded-Stone Mop Service Basin with Shelf (MSB-3624) and the 24" x 24" x 10" Molded-Stone Mop Services Basin less Shelf (MSB-2424).

NOTES

OPTIONS

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* Not furnished by Fiat Products. Description for specification purposes only.

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Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-115-MO_MOP-01

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Mop Holder
Item Type	Mop Holder
Description	Three spring-loaded, molded rubber mop holders attached to stainless steel wall plate 3-1/2" x 26" / Wall Mounted
Manufacturer	Moen
Model	8198
Dimensions	Refer to attachment
Material Composition	Stainless Steel
Global Specification	Y
CSI #	224200 - Commercial Plumbing Fixtures*
Omniclass #	22-224200
Part of an Assembly	N

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 2

Vendor Name: E.L. Mustee & Sons, Inc
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Phone: (440) 247-3570
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Fiat
Contact Name: Customer Service
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Email: info@fiat.ca

ALTERNATE MANUFACTURER 4

AREAS

Engineering & Maintenance
Housekeeping

Moen Incorporated

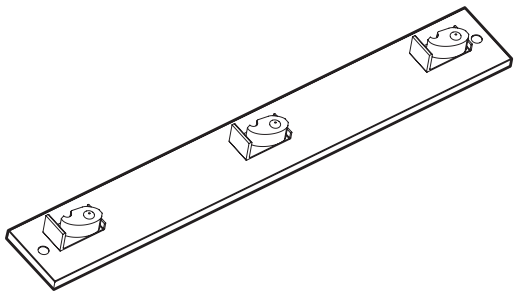
Model: **THREE STATION MOP/BROOM HOLDER**
Model Number: **8198**

Color/Finish: **STAINLESS STEEL**

MOEN®
COMMERCIAL

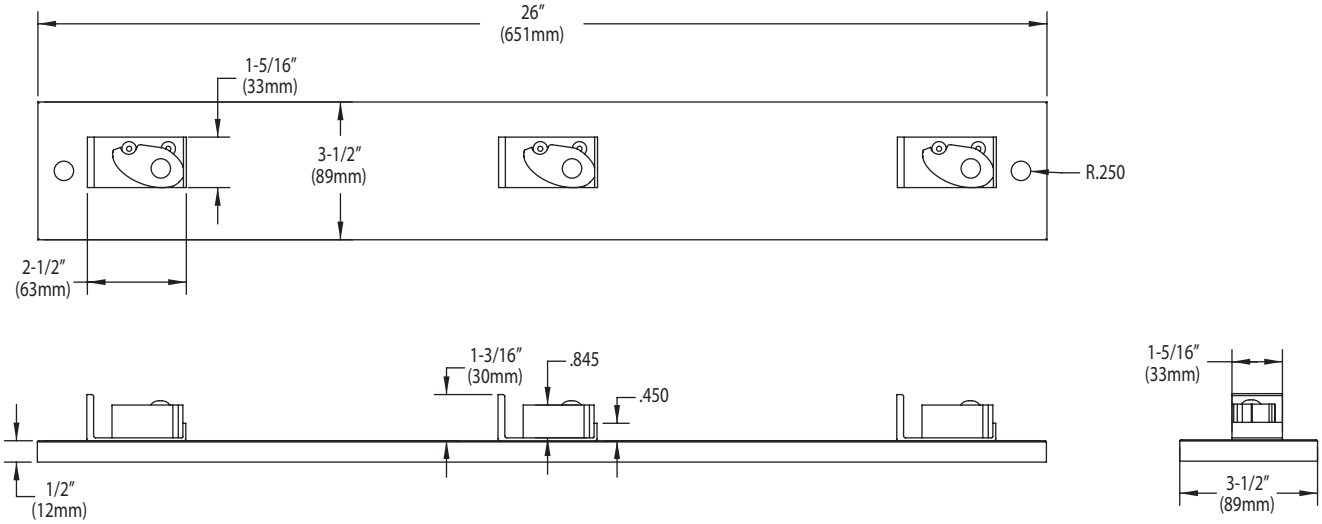
Specifications

DESCRIPTION
- Stainless steel construction
- Anti-sup spring loaded handle grips with stainless steel screws



Three-Station Mop/Broom Holder

Model: 8198



CRITICAL DIMENSIONS

(DO NOT SCALE)

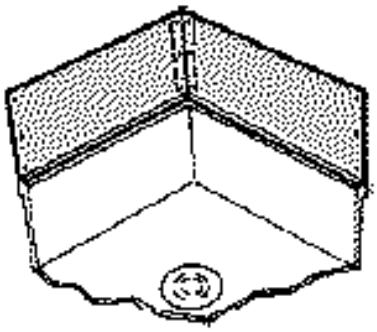
Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-116-EL_MOP-01

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Mop Sink - Wall Guard
Item Type	Wall Guard
Description	Duraguard Wall Guard Wall Mounted Two, 12" High, 20 Gauge, #304 Stainless Steel
Manufacturer	E.L. Mustee & Sons
Model	67.2424
Material Composition	Stainless Steel
Global Specification	Y
CSI #	224200 - Commercial Plumbing Fixtures*
Omniclass #	22-224200
Part of an Assembly	N



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: E.L. Mustee & Sons, Inc
Contact Name: Marcus and Weimer, Inc.
Phone: (440) 247-3570
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Fiat
Contact Name: Customer Service
Phone: (800) 387-0369
Email: info@fiat.ca

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Engineering & Maintenance
Housekeeping

MUSTEE
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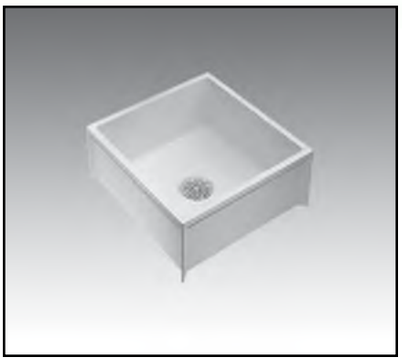
Mop Service Basin — Model 63M

SEE PAGE 2 FOR A LIST OF ACCESSORIES!



Design features:

- **All Mustee basins are one-piece molded from high impact resistant DURASTONE® structural fiberglass (24" x 24")**
- **Integral, molded-in drain for connection to 3" ABS, PVC (Sch. 80) or cast iron**
- **Available drain seals for connection to 2" pipe or 3" soil pipe**
- **Complete range of accessories to meet specific application needs**
- **Colorfast marbleized white finish**
- **Easy to install**

Code Accepted

Mustee Mop Service Basins meet or exceed performance requirements as listed:

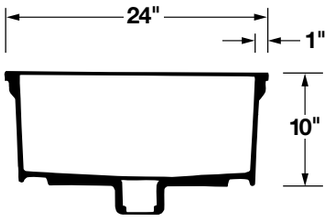
- **International Association of Plumbing and Mechanical Officials (IAPMO)® Listed**
- **Warnock Hersey® (Canada) Listed—CSA test standards: Mop Basins - #B45.0**
- **American National Standards Institute (ANSI)-Specification Z 124-2011**
- **American Society of Testing and Materials (ASTM) D 635 E 84 and E 162**
- **CAN/ULC S102-07 Burn and Smoke Test**

Specifications

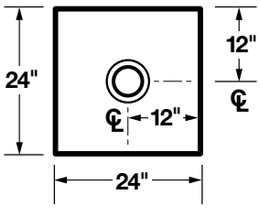
Model Number	Model	H x W x D	UPC
63M	White	10" x 24" x 24"	6 71031 00189 4

General: Furnish and install as shown on plans, Mop Service Basin model 63M, as manufactured by E.L. Mustee & Sons, Inc. Unit to be one-piece molded fiberglass made with matched metal molds using extreme heat and pressure. Height shall be 10" with not less than 1" wide shoulder. Size 24" x 24". Drain shall be integrally molded, complete with drain seal for installation of 3" ABS, PVC (Sch. #80) and iron pipe. Removable stainless steel strainer. Performance tested to meet or exceed ANSI Z 124-2011 and FHA/HUD UM-73. Weight 45 lbs., cubic feet 4.2. Install in compliance with local codes.

Sectional View



Top View



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Mop Service Basin — Model 63M Accessories

Service Faucet

Model No.	UPC
63.600A	6 71031 00277 8

Heavy duty, chrome plated brass dual handle sink faucet with top reinforcing bar and pail hook on spout.

Hose and Hose Holder

Model No.	UPC
65.700	6 71031 00196 2

Heavy duty 5/8" dia. reinforced 31" rubber hose with brass couplings on one end. Spring loaded, molded rubber hose holder mounts on stainless steel wall plate.

Mop Hanger

Model No.	UPC
65.600	6 71031 00195 5

Three spring-loaded rubber holders mounted to a 3" x 24" stainless steel wall plate. Click here for more information.

Bumper Guards

Available in high impact resistant molded vinyl (3 versions) or stainless steel (2 versions).

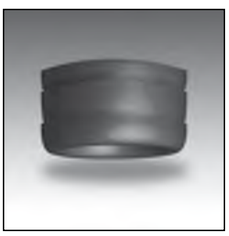
Model No.	UPC
High Impact-resistant vinyl	
63.401 20-3/4" Long	6 71031 00290 7
Stainless steel	
63.403 20-3/4" Long	6 71031 00409 3

DURAGUARD™ Wall Guards

Protects wall surfaces from splashing and damage from impacts, 12" height, 20 gauge #304 stainless steel.

Model No.	UPC
67.2424 Two panels & bracket for 24" x 24" corner	6 71031 00293 8
67.24C One panel & corner bracket	6 71031 00295 2

Optional Seals



For installations with the following pipe connections:

Model No.	UPC
65.308 For 2" PVC, ABS and iron	6 71031 00303 4
65.309 For 3" PVC, ABS and iron,(Included w/mop basin)	6 71031 00304 1
65.311 For 3" soil pipe (No-Hub)	6 71031 00305 8

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DURAGUARD™ WALL GUARDS

FOR USE WITH MUSTEE MOP SERVICE BASINS

INSTALLATION NOTE: If installing into concrete block or if holes do not fall on support member (i.e. wall stud), the use of wall anchors (not provided) is recommended.

CORNER INSTALLATION

1. Hold panels in place and mark hole locations on wall. Drill 3/32" pilot holes for #10-1"(PN-67.801) screws.
2. Run a bead of silicone sealant (not included) on each wall near the corner and set corner bracket in place. Apply a second bead of sealant to the front of the corner bracket to help prevent leaks. Using the twelve (12) screws provided, secure the panels to the wall. See **FIGURE 1(a & b)**.
3. Apply a bead of silicone sealant around panels to prevent leaks.

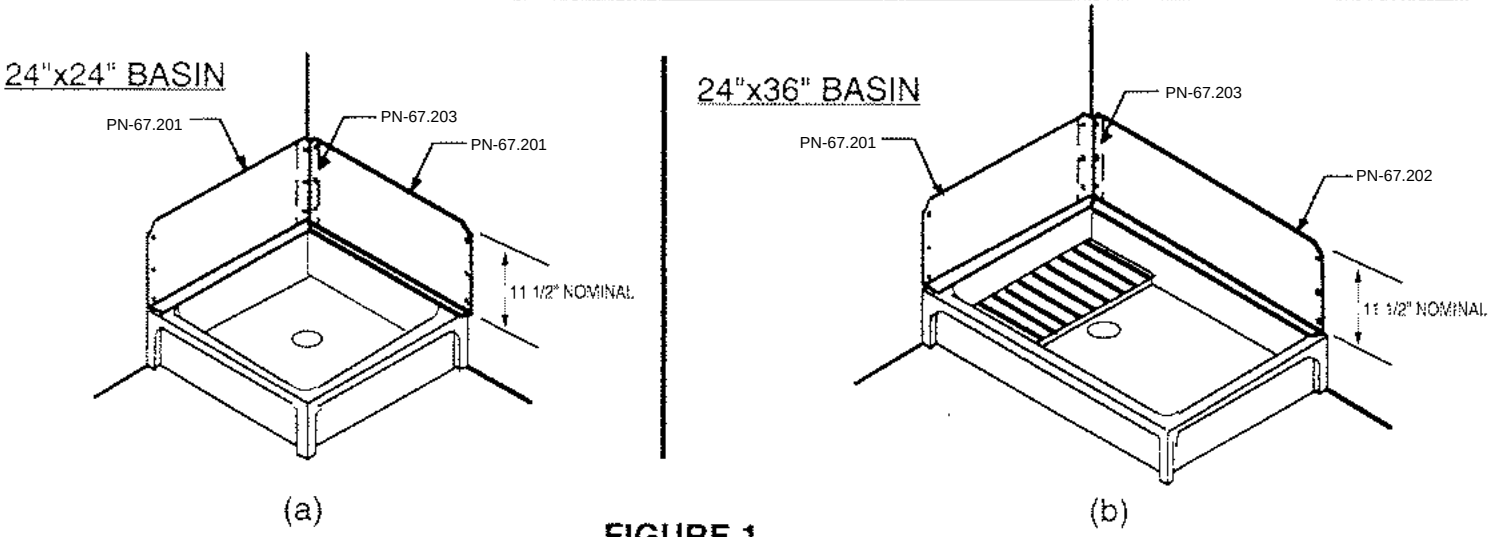


FIGURE 1

NON-CORNER INSTALLATION

1. Hold panel in place and mark hole locations on wall. Drill 3/32" pilot holes for #10-1" (PN-67.801) screws.
2. Using six (6) of the screws provided, secure the panel to the wall. See **FIGURE 2(a, b & c)**.
3. Apply a bead of silicone sealant around panels to prevent leaks.

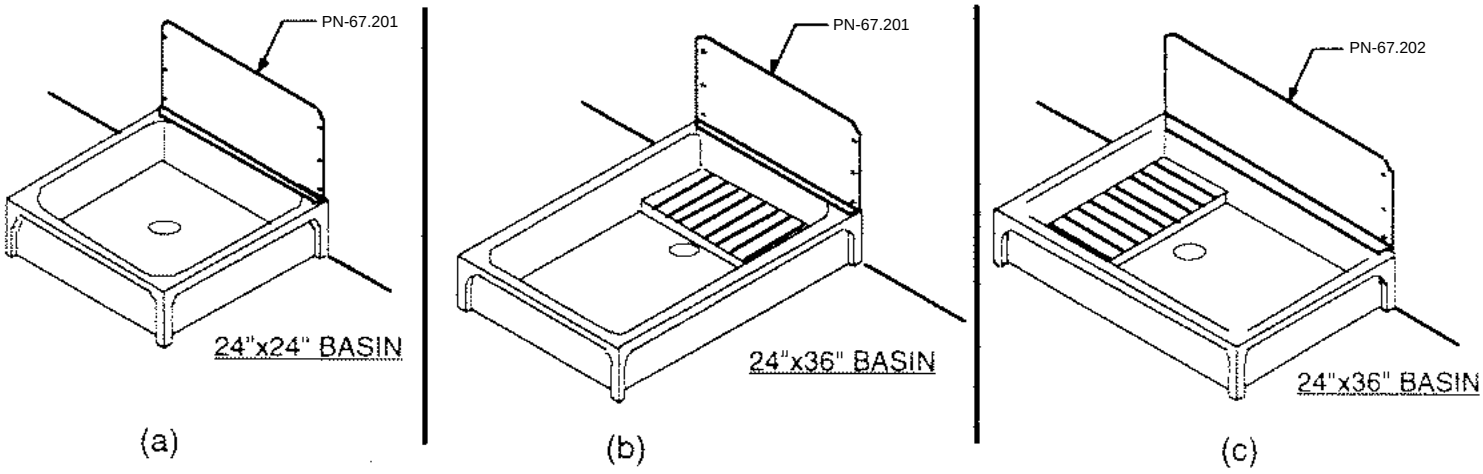


FIGURE 2

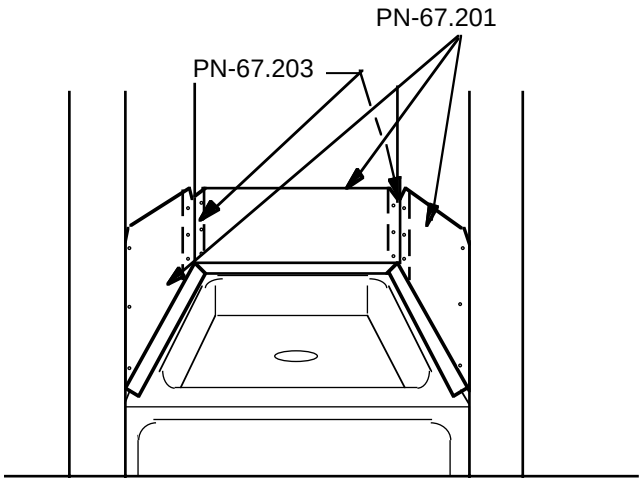
E.L. MUSTEE & SONS, INC.
5431 West 164th Street • Brook Park, Ohio 44142

"CLOSET" INSTALLATION

NOTE: A THREE PANEL "CLOSET" INSTALLATION REQUIRES THE USE OF TWO (2) DURAGUARD™ UNITS. REFER TO THE CHART AND FIGURES BELOW TO DETERMINE WHICH UNITS ARE NEEDED!

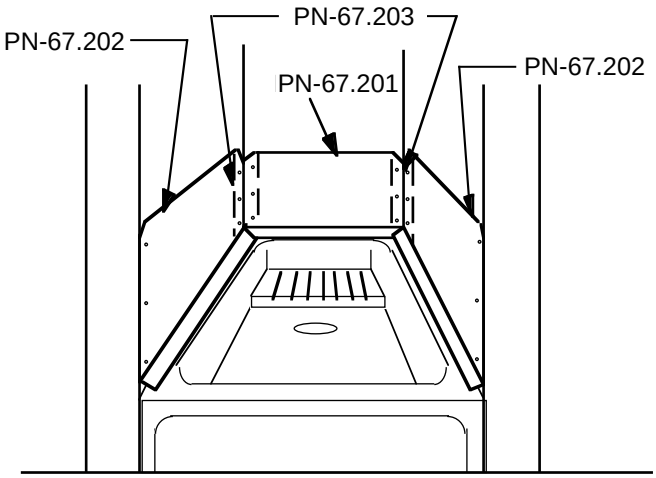
MOP BASIN SIZE	REFERENCE FIGURE	REQUIRED UNITS
24" x 24"	FIGURE 3(a)	1- PN 67.2424 & 1- PN 67.24C
24" x 36"	FIGURE 3(b) FIGURE 3(c)	1- PN 67.2436 & 1- PN 67.36C 1- PN 67.2424 & 1- PN 67.36C -or- 1- PN 67.2436 & 1- PN 67.24C

1. Hold panels in place and mark hole locations on wall. Drill 3/32" pilot holes for #10-1"(PN-67.801) screws.
2. Run a bead of silicone sealant on each wall near the corners and set corner brackets in place. Apply a second bead of sealant to the front of each corner bracket to help prevent leaks. Using eighteen (18) of the screws provided, secure the panels to the wall. See **FIGURE 3(a,b &c)**.
3. Apply a bead of silicone sealant around panels to prevent leaks.



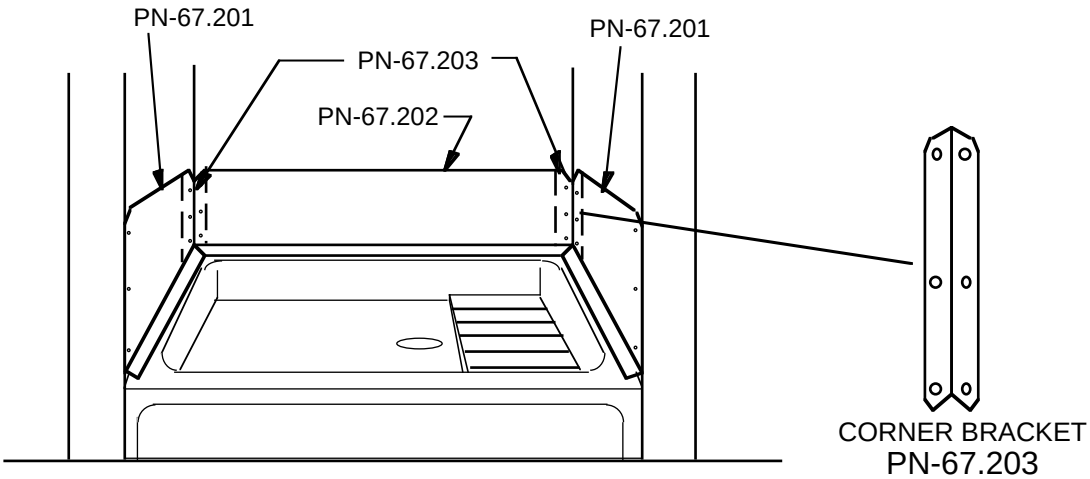
24" x 24" BASIN

(a)



24" x 36" BASIN

(b)



24" x 36" BASIN

(c)

FIGURE 3

E.L. MUSTEE & SONS, INC.
5431 West 164th Street • Brook Park, Ohio 44142

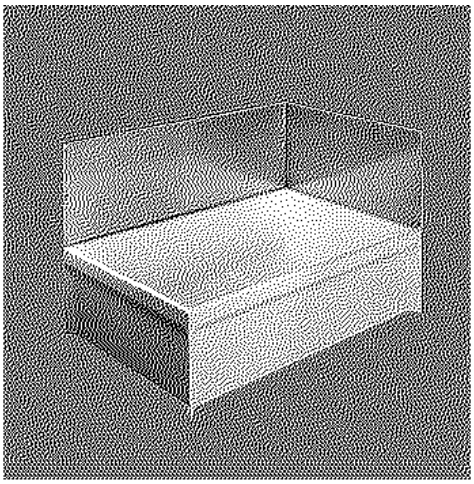
Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-116-FI_MOP-01

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Mop Sink - Wall Guard
Item Type	Wall Guard
Description	Wall guard plus corner bracket Wall Mounted Two, 12" High, 20 Gauge, #304
Manufacturer	Fiat Products
Model	MSG2424
Material Composition	Stainless Steel
CSI #	224200 - Commercial Plumbing Fixtures*
Part of an Assembly	N



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Fiat
Contact Name: Customer Service
Phone: (800) 387-0369
Email: info@fiat.ca

ALTERNATE MANUFACTURER 2

Vendor Name: E.L. Mustee & Sons, Inc
Contact Name: Marcus and Weimer, Inc.
Phone: (440) 247-3570
Email:

ALTERNATE MANUFACTURER 3

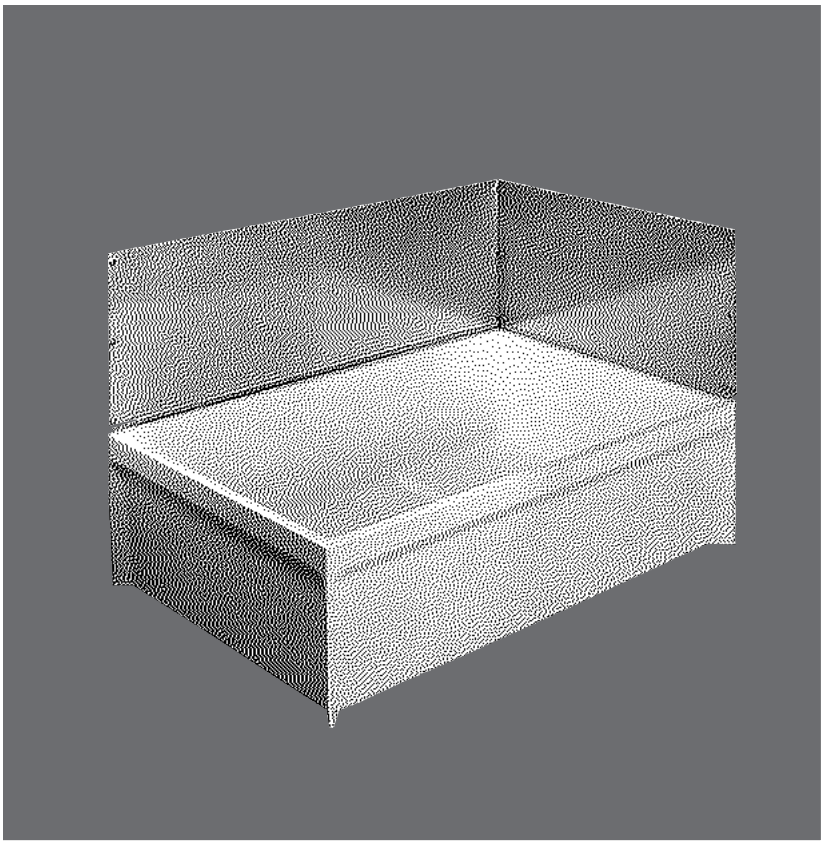
ALTERNATE MANUFACTURER 4

AREAS

Engineering & Maintenance
Housekeeping

STAINLESS STEEL WALL GUARDS

MSG2424 , MSG2828
MSG3232 , MSG3636
MSG3624



FEATURES

- ***GENERAL:*** *Model No.s MSG2424, MSG2828, MSG3232, MSG3636 and MSG3624 are used with the 36" x 24" x 10" Molded-Stone Mop Service Basin with Shelf (MSB-3624) and the 24" x 24" x 10" Molded-Stone Mop Services Basin less Shelf (MSB-2424).*

NOTES

OPTIONS

FIAT PRODUCTS®
A CRANE PLUMBING COMP ANY

* Not furnished by Fiat Products. Description for specification purposes only.

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STAINLESS STEEL WALL GUARDS

MSG2424 , MSG2828
MSG3232 , MSG3636
MSG3624

FIAT PRODUCTS®
A CRANE PLUMBING COMP ANY

IMPORTANT: Roughing-in dimensions may vary ½" and are subject to change or cancellation without prior notice.

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Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-205-MO_MOP-01

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Faucet for mop sink
Item Type	Faucet for mop sink
Description	Two-handle service sink faucet, threaded spout for hose connection, lever handles and pail hook.
Manufacturer	Moen
Model	8230
Dimensions	9-3/8" Wall to spout outlet / 8" centers
Finish	Chrome
Material Composition	Brass
CSI #	242000 - Plumbing Fixtures
Omniclass #	22-242000 - Plumbing Fixtures
Quality Standards	Third party certified by IAPMO and CSA to meet ASME A112.18.1M
Accessibility Compliance	ANSI A117.1 current version
Eco-Feature(s) *as per manufacturer	Not applicable
Quality Standards	Third party certified by IAPMO and CSA to meet ASME A112.18.1M and all applicable specifications referenced therein ADA for lever handles
Lead Time	To be verified
Warranty	Warranted 5 years against material or manufacturing defects

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 2

Vendor Name: Fiat
Contact Name: Customer Service
Phone: (800) 387-0369
Email: info@fiat.ca

ALTERNATE MANUFACTURER 3

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 4

AREAS

Engineering & Maintenance
Housekeeping

MOEN®
COMMERCIAL

Specifications

FAUCET DESCRIPTION
- Brass construction, rough chrome finish
- Integral spout with garden hose thread
- 1/2" IPS eccentric connections
- Vandal resistant torx head screws

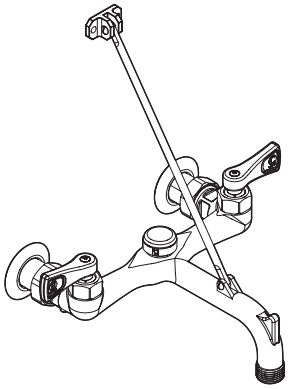
OPERATION
- Lever style handles with hot and cold color indicators

FLOW
- Unrestricted

CARTRIDGE
- Brass shell ceramic disc cartridge
- 1/4 turn operation

STANDARDS
- Third party certified by IAPMO and CSA to meet ASME A112.18.1M, ANSI A117.1 and all applicable specifications referenced therein

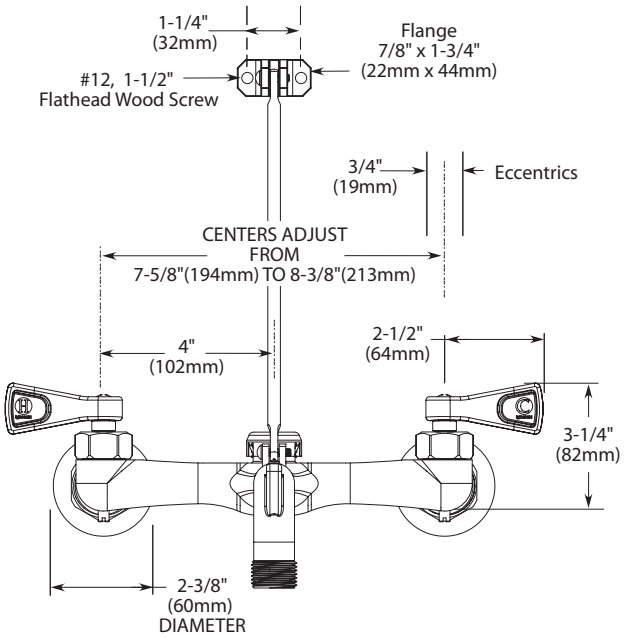
WARRANTY
- Warranted for 5 years against material or manufacturing defects

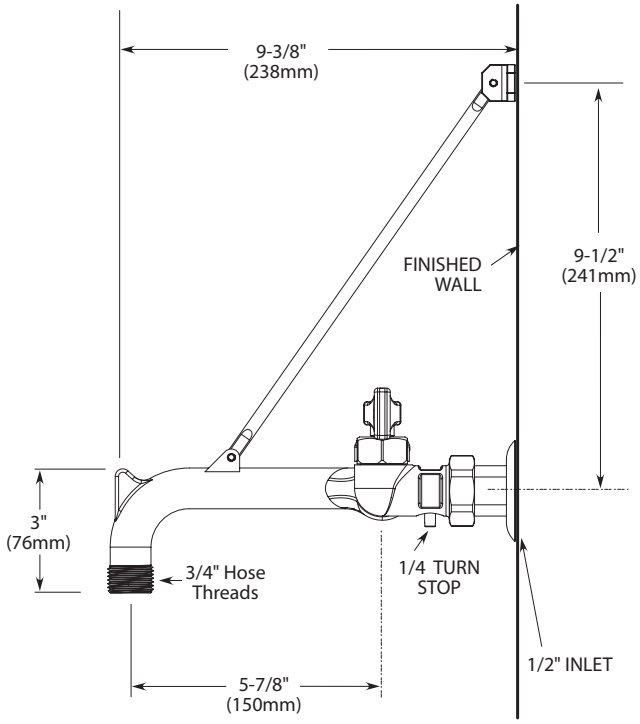


ADA

Two-Handle Service Sink Faucet

Model: 8230 (Chrome)





CRITICAL DIMENSIONS

(DO NOT SCALE)

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-208-DE_MOP-01

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Faucet
Item Type	Faucet for Mop Sink
Description	Exposed yoke wall mount utility faucet with top brace, wall mounted.
Manufacturer	Delta Faucet Company
Model	28T9
Dimensions	Refer to attachment
Color	Chrome
Finish	Polished
Material Composition	Cast Brass
CSI #	224200 - Plumbing Fixtures
Omniclass #	22-224200 Plumbing Fixtures
Quality Standards	ASME A112.18.1/CSA B125.1

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Delta Faucet Company
Contact Name: Emily Mueller
Phone: (210) 870-9932
Email: emily.mueller@deltafaucet.com

ALTERNATE MANUFACTURER 2

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 3

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 4

AREAS

Engineering & Maintenance
Housekeeping

Wallmount Service Sink Faucets

TECK® COMMERCIAL

DELTA®

Specification: (example)

- **CAST BRASS** wallmount service sink faucet
- Two handle
- Integral stops
- **Rough chrome plated finish**
- Pail hook
- Inline vacuum breaker
- Hose-end spout
- Wall brace
- Color indexed metal cross handles

❑ **28T9**
203mm (8") centers

❑ **28T9-AC**
140mm (5.5") to 267mm (10.5") adjustable centers

28T9

Engineer/Architect Approval

Model Specified:

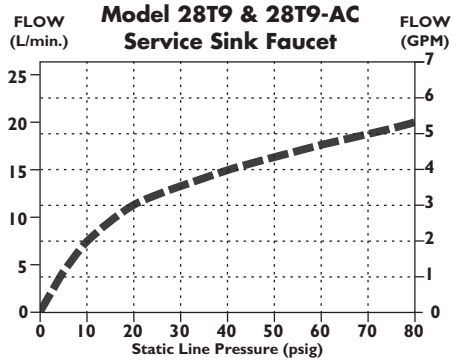
Approval: Date:

C US

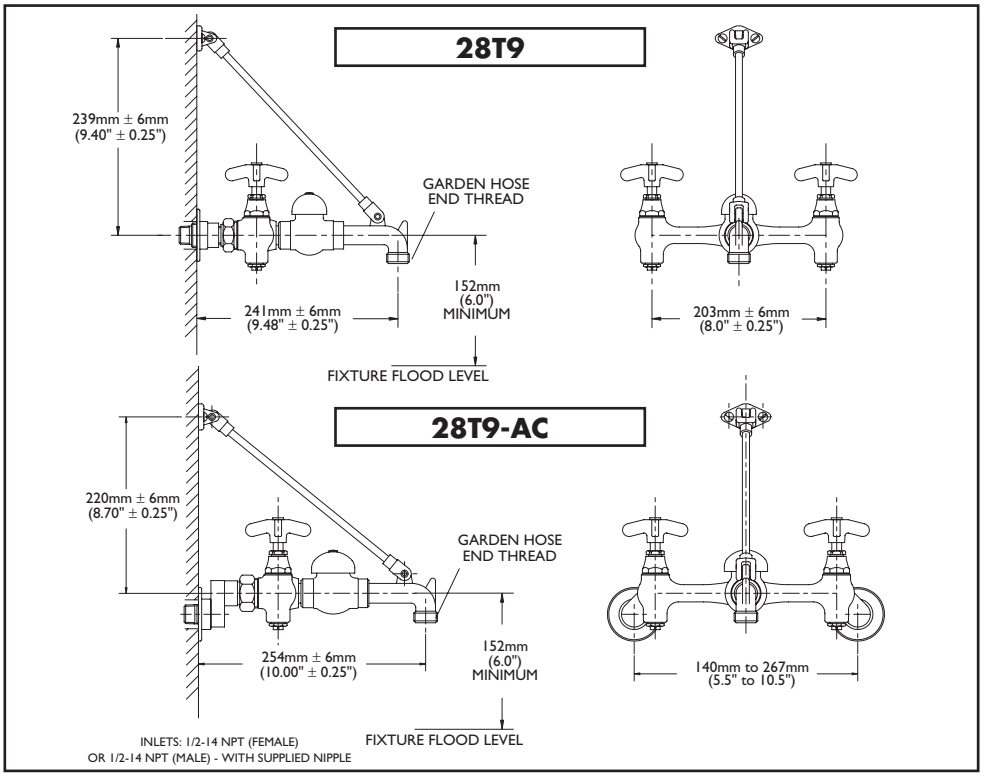
Approvals:

- CSA certified
- Complies to ASME A112.18.1/CSA B125.1 including integral back siphonage protection

Flow Rates vs PRESSURE



NOTE: Flow shown is through one side only, full open.



Hose and Mop Holder Accessories

28T910

- Stainless steel mop hanger
- 76mm x 660mm (3" x 26")
- Three spring loaded rubber grip holders.

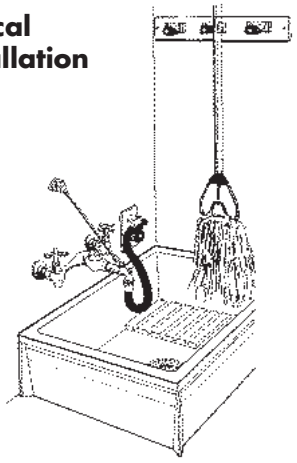
28T911

- Heavy duty 1219mm (48") long reinforced hose
- Brass coupling
- Stainless steel hanger bracket
- 76mm x 127mm (3" x 5") with rubber grip.

28T910

28T911

Typical Installation



Note: Measurements may vary ± 6mm (0.25")

Refer to www.specselect.com for individual models.

Note: Use this page as a product submittal sheet.

Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.specselect.com for finish options and product availability.

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-208-FI_MOP-01

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Faucet for mop sink
Item Type	Faucet for mop sink
Description	Manual faucet with vacuum breaker
Manufacturer	FIAT
Model	830-AA
Dimensions	Refer to cutsheet
Finish	Chrome Plated
Material Composition	Commercial red brass alloy casting-rough finish
Eco-Feature(s) *as per manufacturer	Not applicable
Quality Standards	In the U.S.A., meets or exceeds requirements of ANSI-A112.18.1M-1979 for “Finished and Rough Brass Plumbing Fixture Fittings.” Chrome plating exceeding requirements of ANSI/ASTM B-456-71. In Canada, meets or exceeds the requirements of CSA standards B125 - “Plumbing Fittings,” B64.1.1 - “Vacuum Breakers - Atmosphere Type” and B64.0 - “General Requirements for Backflow Preventers and Vacuum Breakers,” and is approved under Product Class No. 6811 01 under Report #LM57412-1. Conforms to ASSE 1001.
Lead Time	2 weeks
Warranty	Product be be warranted against defects in material and workmanship as it is owned by the original purchaser for a period of 1 year from the date of purchase.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Fiat
Contact Name: Customer Service
Phone: (800) 387-0369
Email: info@fiat.ca

ALTERNATE MANUFACTURER 2

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 3

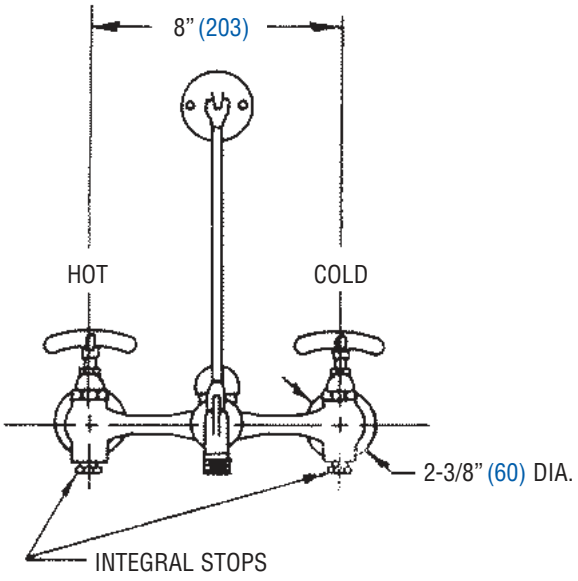
ALTERNATE MANUFACTURER 4

AREAS

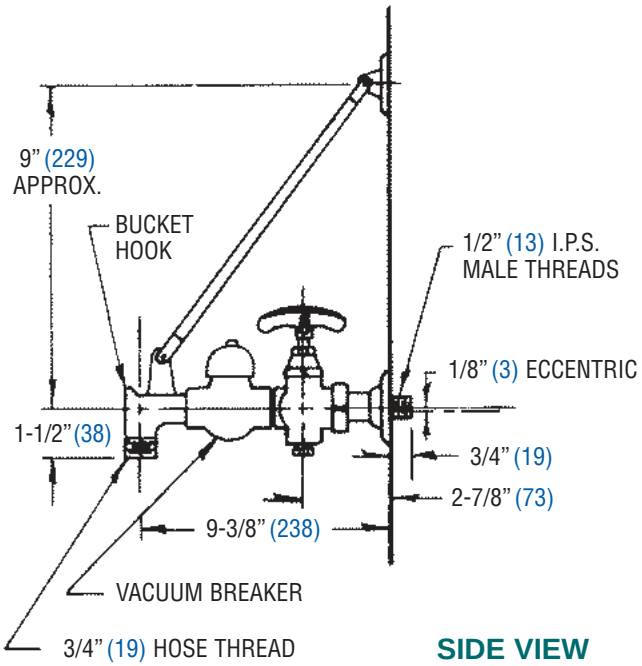
Engineering & Maintenance
Housekeeping

Service-Sink Faucet
Model: 830-AA

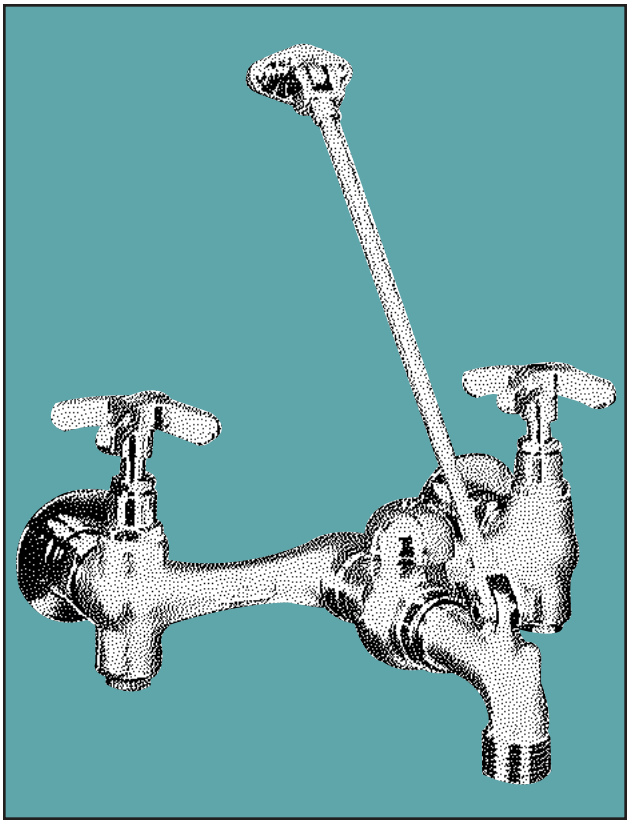
FIAT



FRONT VIEW



SIDE VIEW



General: 830-AA Service Faucet - Chrome plated with vacuum breaker, integral stops, adjustable wall brace, pail hook and 3/4" hose thread on spout. Body inlets 8" center to center, four arm handles. Valves contain renewable hub, renewable seats, swivel discs, encased washers and brass washer screws.

Material: Commercial red brass alloy casting-rough finish.

Finish: Chrome plating exceeding requirements of ANSI/ASTM B-456-71. Indicators cold (blue) and hot (red) are included.

Specifications and Codes: In the U.S.A., meets or exceeds requirements of ANSI-A112.18.1M-1979 for "Finished and Rough Brass Plumbing Fixture Fittings." In Canada, meets or exceeds the requirements of CSA standards B125 - "Plumbing Fittings," B64.1.1 - "Vacuum Breakers - Atmosphere Type" and B64.0 - "General Requirements for Backflow Preventers and Vacuum Breakers," and is approved under Product Class No. 6811 01 under Report #LM57412-1. Conforms to ASSE 1001.

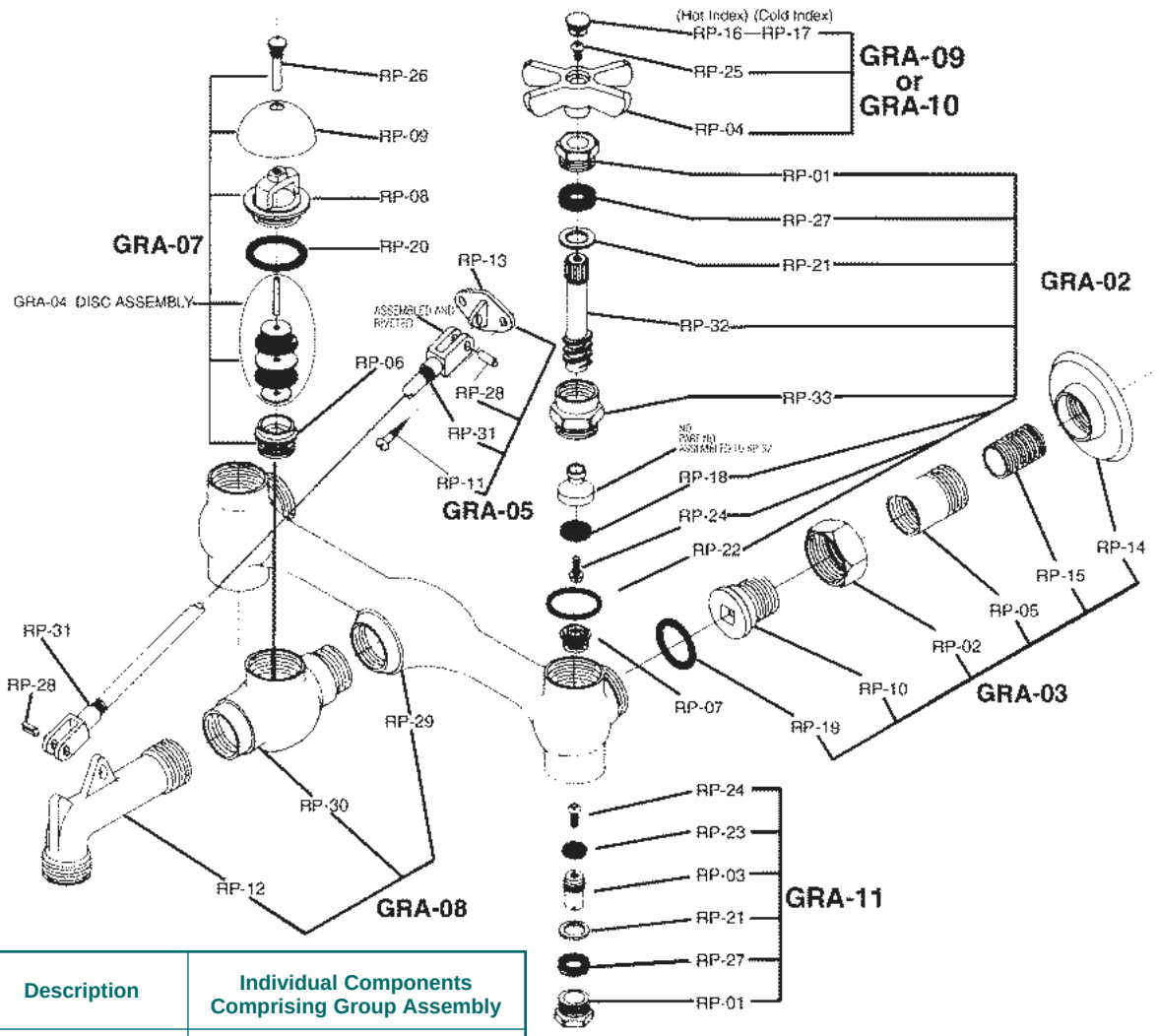
NOTE: These roughing measurements may vary 1/4" (plus or minus).

FIAT PRODUCTS®
A CRANE PLUMBING COMPANY

255 Hutchings St. • Winnipeg, MB • R2X 2R4 • Ph. 800-665-7531 • 204-633-6122 • Fx. 204-632-4854
e-mail: info@fiat.ca • website: www.fiat.ca

A subsidiary of CR/PL, L.L.C. Company – Evanston, IL

830-AA Group Replacement Assembly Parts List



Group Assembly Part #	Description	Individual Components Comprising Group Assembly
GRA-02	Handle Mounting Group Assembly	RP-01 Packing Nut RP-27 Packing RP-21 Brass Washer RP-32 Spindle RP-33 Handle Hub RP-18 Seat Washer RP-24 Seat Washer Screw RP-22 Hub Washer
GRA-03	Coupling Assembly	RP-14 Wall Flange RP-15 Nipple RP-05 Bushing (socket) RP-02 Coupling Nut RP-10 Swivel RP-19 Washer
GRA-05	Brace Assembly	RP-13 Brace Flange RP-28(2) S.S. Roll Pin RP-31 Wall Brace Rod RP-11(2) Wood Screw
GRA-07	Vacuum Breaker & Disc Assembly	RP-26 V.B. Cap Screw RP-09 Cap RP-08 V.B Hub RP-20 V.B Hub Washer RP-06 Seat GRA-04 Vacuum Breaker Disc Assembly

Group Assembly Part #	Description	Individual Components Comprising Group Assembly
GRA-08	Complete Body Assembly	RP-29 Center Body RP-30 V.B. Body RP-12 Nozzle
GRA-09	Handle Assembly (Cold)	RP-17 Cold Index RP-25 Handle Screw RP-04 Handle
GRA-10	Handle Assembly (Hot)	RP-16 Hot Index RP-25 Handle Screw RP-04 Handle
GRA-11	Integral Stop Assembly	RP-24 Seat Washer Screw RP-23 Washer RP-03 Spindle RP-21 Brass Washer RP-27 Packing RP-01 Packing Nut
RP-07	(2 per package)	RP-07 Seat

Towneplace Suites by Marriott
PLUMBING FIXTURES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PL-208-LI_MOP-01

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Mop Sink Faucet
Item Type	Mop Sink Faucet
Description	Exposed Yoke Wall Mount Utility Faucet with Top Brace / Wall Mounted
Manufacturer	American Standard (Lixil Parent Company)
Model	8344.212
Dimensions	Refer to attachment
Finish	Polished Chrome
Material Composition	Cast Brass
Global Specification	Y
CSI #	224200 - Commercial Plumbing Fixtures*
Omniclass #	22-224200
Quality Standards	ASME A112.18.1; CSA B 125
Accessibility Compliance	Meets ADA A117.1
Part of an Assembly	N
Warranty	Limited Lifetime Function and Finish Warranty

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Lixil - Grohe, American Standard, DXV
Contact Name: Stephanie Weston
Phone: (302) 518-1704
Email: stephanie.weston@lixil.com

ALTERNATE MANUFACTURER 2

Vendor Name: Fiat
Contact Name: Customer Service
Phone: (800) 387-0369
Email: info@fiat.ca

ALTERNATE MANUFACTURER 3

Vendor Name: Moen
Contact Name: Jason Reynolds
Phone: (407) 340-3249
Email: Jason.Reynolds@fbgpg.com

ALTERNATE MANUFACTURER 4

AREAS

Engineering & Maintenance
Housekeeping

American Standard Inc

Model: **Service Sink Faucet**

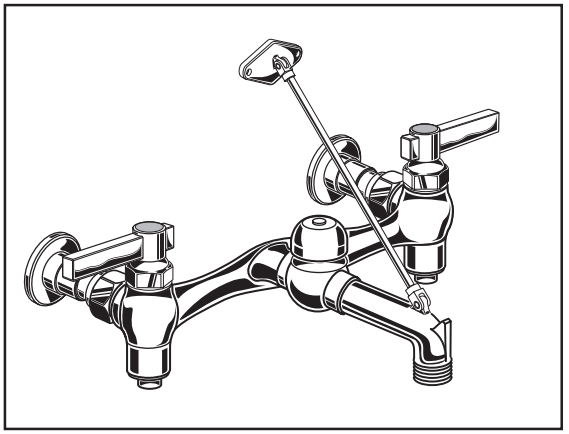
Model Number: **8344.212**

Color/Finish: **Chrome**

American Standard

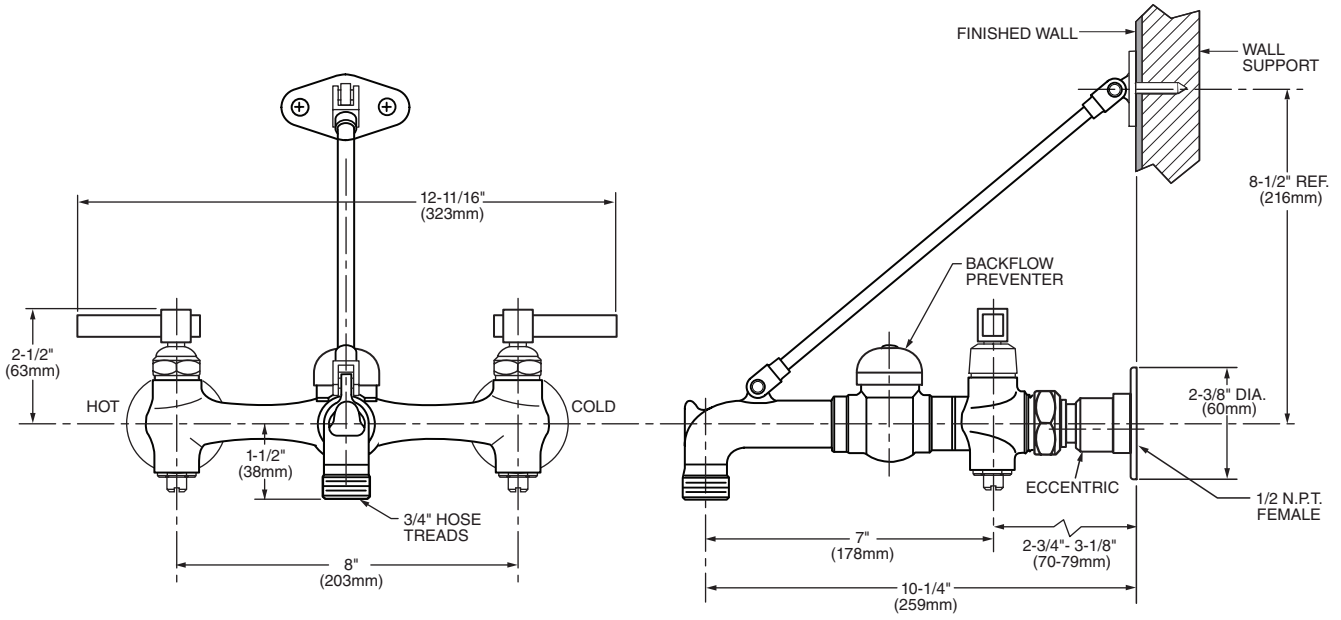
EXPOSED YOKE WALL-MOUNT UTILITY FAUCET

WITH TOP BRACE



MODEL NUMBER:

❑ **8344.212 Exposed Yoke Wall-Mount Utility Faucet**
Top brace. 6" cast brass spout with vacuum breaker. Ceramic disc valves. Integral supply stops. Metal lever handles. Bucket hook. 3/4" threaded hose end. 1/2" NPT female inlets. Rough Chrome (004) finish.



GENERAL DESCRIPTION:

Cast brass body. Metal lever handles with hot and cold indicators. 1/4 turn ceramic disc valve cartridges. Vacuum breaker prevents back flow. Integral supply stops. Spout, top braced to wall, with bucket hook and threaded hose end. 1/2" female inlets adjustable from 7-7/8" to 8-1/8".

CODES AND STANDARDS

These products meet or exceed the following codes and standards:

ASME A112.18.1
CSA B 125
ANSI A117.1

PRODUCT FEATURES:

Cast Brass Construction: Durable - Excellent in high use applications.

Ceramic Disc Valve Cartridges: Assure a lifetime of drip-free performance.

Vacuum Breaker: Prevents back flow.

Integral Supply Stops: Permits easy and convenient access.

Top Brace: Provides additional support.

SUGGESTED SPECIFICATION

Exposed yoke wall-mount utility faucet shall feature a cast brass body with integral supply stops. Cast brass spout with bucket hook, top brace, and vandal-resistant metal lever handles. Shall feature vacuum breaker to prevent back flow. Shall also feature 1/4 turn washerless ceramic disc valve cartridges. Fitting shall be American Standard Model # 8344.212.004.

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Revised

American Standard

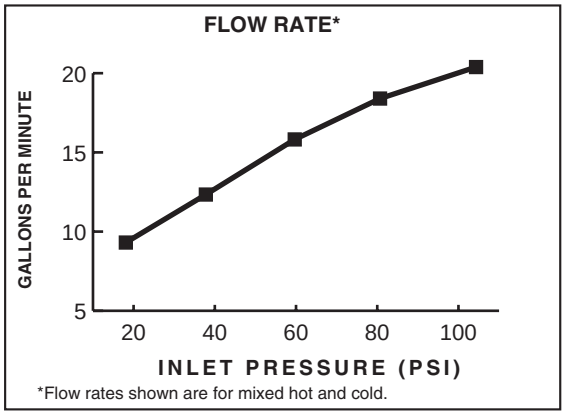
EXPOSED YOKE WALL-MOUNT UTILITY FAUCET

WITH TOP BRACE

CODES AND STANDARDS

These products meet or exceed the following codes and standards:

ASME A112.18.1
CSA B 125
ASSE 1001
ANSI A117.1



Product Number	Description	Finish Options	
		Polished Chrome 002	Rough Chrome 004
8344.112	Exposed yoke wall-mount utility faucet. Top brace. Vacuum breaker. Stops in shanks.		

Meets the American Disabilities Act Guidelines and **ANSI A117.1** Requirements for the physically challenged.

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INTERIOR FINISHES

Concrete

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Sealed Concrete
Item Type	Curing and Sealing Compound
Description	Clear, Waterborne, Curing and Sealing Compound
Manufacturer	BASF - Construction Systems
Model	MasterKure CC 1315WB
Color	Clear, Non-yellowing
CSI #	033000 - Cast In Place Concrete
Omniclass #	22-033000
Best Practices	Low-VOC compliant
Quality Standards	ASTM C 1315, 25% solids minimum, Type I, Class B
Part of an Assembly	N
Notes	Absorptive Cover: AASHTO M 182, Class 2, burlap cloth made from jute or kenaf, weighing approximately 9 oz./sq. yd. (305 g/sq. m) dry.

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: BASF - Construction Systems
Contact Name:
Phone: 800.243.6739
Email: bldgsystechsupport@basf.com

ALTERNATE MANUFACTURER 2

Vendor Name: Euclid Chemical
Contact Name:
Phone: 800.321.7628
Email: info@euclidchemical.com

ALTERNATE MANUFACTURER 3

Vendor Name: Dayton Superior
Contact Name:
Phone: 877.266.7732
Email:

ALTERNATE MANUFACTURER 4

AREAS

Pool Equipment
Pool Storage

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Sealed Concrete
Item Type	Curing and Sealing Compound
Description	Clear, Waterborne, Curing and Sealing Compound
Manufacturer	Dayton Superior
Model	Cure & Seal 1315 EF
Color	Clear, Non-yellowing
CSI #	033000 - Cast In Place Concrete
Omniclass #	22-033000
Best Practices	Low-VOC compliant
Quality Standards	ASTM C 1315, 25% solids minimum, Type 1, Class B
Eco-Feature(s) *as per manufacturer	Tested and compliant per CDPH V1.2
Notes	Absorptive Cover: AASHTO M 182, Class 2, burlap cloth made from jute or kenaf, weighing approximately 9 oz./sq. yd. (305 g/sq. m) dry.

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Dayton Superior
Contact Name:
Phone: 877.266.7732
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Euclid Chemical
Contact Name:
Phone: 800.321.7628
Email: info@euclidchemical.com

ALTERNATE MANUFACTURER 3

Vendor Name: BASF - Construction Systems
Contact Name:
Phone: 800.243.6739
Email: bldgsystechsupport@basf.com

ALTERNATE MANUFACTURER 4

AREAS

Pool Equipment
Pool Storage

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Sealed Concrete
Item Type	Curing and Sealing Compound
Description	Clear, Waterborne, Curing and Sealing Compound
Manufacturer	Euclid Chemical
Model	Clear Seal Water-Base
Color	Clear, Non-yellowing
CSI #	033000 - Cast In Place Concrete
Omniclass #	22-033000
Best Practices	Low-VOC compliant
Quality Standards	ASTM C 1315, 25% solids minimum, Type 1, Class B
Notes	Absorptive Cover: AASHTO M 182, Class 2, burlap cloth made from jute or kenaf, weighing approximately 9 oz./sq. yd. (305 g/sq. m) dry.

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Euclid Chemical
Contact Name:
Phone: 800.321.7628
Email: info@euclidchemical.com

ALTERNATE MANUFACTURER 2

Vendor Name: BASF - Construction Systems
Contact Name:
Phone: 800.243.6739
Email: bldgsystechsupport@basf.com

ALTERNATE MANUFACTURER 3

Vendor Name: Dayton Superior
Contact Name:
Phone: 877.266.7732
Email:

ALTERNATE MANUFACTURER 4

AREAS

Pool Equipment
Pool Storage

Corner Guards

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

CGR-001-IP

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Corner Guard
Item Type	Corner Guard
Description	Rigid Vinyl Corner Guard, 90 Degrees
Manufacturer	IPC
Model	34xxN
Dimensions	3/4" x 3/4" x Full Height (Above Wall Base)
Color	#0238 Feather
Finish	Textured
Material Composition	Extruded from chemical and stain resistant polyvinyl chloride with the addition of impact modifiers. No plasticizers shall be added.
CSI #	102600 - Corner Guards
Omniclass #	22-102600 Corner Guards
Fire/Smoke Rating	UL Classified corner guards conforming with NFPA Class A fire rating. Surface Burning characteristics as determined by UL-723 (ASTM E-84), shall be flame spread of 10 and smoke development of 350-450.
Best Practices	Greenguard Gold Certified
Quality Standards	Fungal and Bacterial Resistance as tested in accordance with ASTM G-21 and AST
Accessories	Manufacturer's recommended adhesive
Part of an Assembly	N
Length	Field Verify
Product	Tape On Corner Guard (Without Tape)
Finish	Textured
Wing Size	3/4"
Warranty	Standard IPC Limited Lifetime Warranty against material and manufacturing defects.
Notes	There are some locations where the wall is a partial height wall. Coordinate height of corner guard with the Design Guideline Drawings. Product Data Sheet: https://tinyurl.com/ync2xatk

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: InPro Corporation
Contact Name: Jenny S Fromm
Phone: 262.679.9010 ext. 5183
Email: jfromm@inprocorp.com

ALTERNATE MANUFACTURER 2

Vendor Name: KOROSEAL INTERIOR PRODUCTS LLC

AREAS

Lobby
Welcome Desk
Hub
Community
Elevator Lobby
In-A-Pinch

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Contact Name: Phone: Email:	
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

CGR-001-KS

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Corner Guard
Item Type	Corner Guard
Description	Rigid Vinyl Corner Guard, 90 Degrees
Manufacturer	Koroseal Wall Protection Systems, a Div. of Koroseal Interior Products
Model	Korogard G800 Series Vinyl Corner Guard - G875
Dimensions	3/4" x 3/4" x Full Height (Above Wall Base)
Color	Simply White TE
Finish	Textured
Material Composition	Extruded from chemical and stain resistant polyvinyl chloride with the addition of impact modifiers. No plasticizers shall be added.
CSI #	102600 - Corner Guards
Omniclass #	22-102600 Corner Guards
Fire/Smoke Rating	UL Classified corner guards conforming with NFPA Class A fire rating. Surface Burning characteristics as determined by UL-723 (ASTM E-84), shall be flame spread of 10 and smoke development of 350-450.
Best Practices	Greenguard Gold Certified
Quality Standards	Fungal and Bacterial Resistance as tested in accordance with ASTM G-21 and AST
Accessories	Manufacturer's recommended adhesive
Part of an Assembly	N
Length	Field Verify
Product	90 Degrees
Finish	Textured
Wing Size	3/4"
Warranty	Limited five-year warranty

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: KOROSEAL INTERIOR PRODUCTS LLC
Contact Name:
Phone:
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: InPro Corporation
Contact Name: Jenny S Fromm
Phone: 262.679.9010 ext. 5183
Email: jfromm@inprocorp.com

AREAS

Lobby
Welcome Desk
Hub
Community
Elevator Lobby
In-A-Pinch

ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

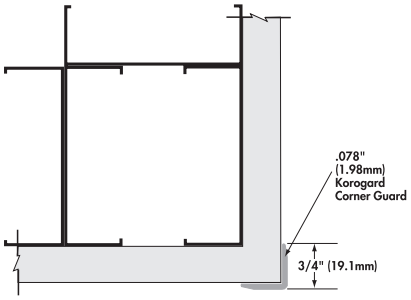
KOROGARD G815, G815S, G825, & G875
EXTRUDED CORNER GUARD

korogard®
wall protection systems

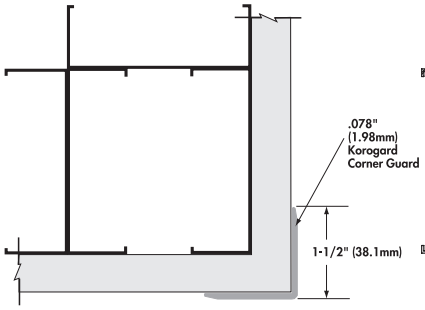
Korogard Extruded Corner Guards are an economical yet durable option for corner protection. Easily installed, these guards are .078" (1.98mm) thick vinyl with 3/4" (19.1mm), 1-1/2" (38.1mm), or 2-1/2" (63.5mm) wings. The wings are tapered back, providing a finished look to any installation. The G815 is available as G81E, a Korogard ETS product manufactured with a unique blend of high-performance materials.

Korogard Extruded Corner Guards are backed by a limited five-year warranty. All Corner Guards are Class A fire rated and meet national building code standards. All Korogard protective products color-coordinate with a multitude of Koroseal Wallcoverings for a systems approach to wall protection.

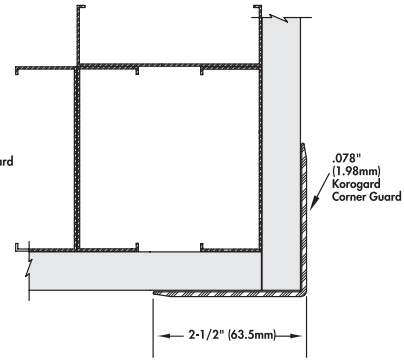
For more information on Korogard Corner Guards or the Koroseal Wall Protection System, please call your local Korogard distributor.



G875



G815/G81E



G825

KOROGARD G815, G815S, G825, & G875 EXTRUDED CORNER GUARD

korogard®
wall protection systems

SECTION 10 26 00 CORNER GUARDS

PART 1 GENERAL

1.01 SECTION INCLUDES
2-1/2" (63.5mm) x 2-1/2" (63.5mm), 1-1/2" (38.1mm) x 1-1/2" (38.1mm), and 3/4" (19.1mm) x 3/4" (19.1mm) Surface Adhered Extruded Corner Guards.

1.02 SUBMITTALS
A. Submit in accordance with Section 01 33 00—Submittals.
B. Product Data: Submit manufacturer's product data.
C. Samples: Submit for approval 12" (304.8mm) long sample of each color specified.
D. Test Reports: Submit manufacturer's test reports and certification indicating compliance with applicable building code requirements.

1.03 QUALITY ASSURANCE
Comply with NFPA 101® for interior finish materials. Smoke developed less than 450 and flame spread of 25 or less in accordance with ASTM E 84.

1.04 DELIVERY, STORAGE, AND HANDLING
A. Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging with labels clearly identifying product name and manufacturer.
B. Storage: Store materials in a clean, dry location protected against damage of any kind.

PART 2 PRODUCTS

2.01 MANUFACTURER
Koroseal Wall Protection Systems,
A Division of koroseal Interior Products, LLC.

2.02 CORNER GUARDS
Koroseal "Korogard" Series G825, G815, G875, and G915: Extruded Corner Guard adhered to substrate corner with glue or tape. Exposed surfaces shall be free of wrinkling, chipping, discoloration, or other imperfections.
1. Dimensions
   a. Leg length: 2-1/2" (63.5mm)—G825; 1-1/2" (38.1mm)—G815 and G915; 3/4" (19.1mm)—G875
   b. Angle: 90°.
2. Profile: High-impact vinyl acrylic extrusion, nominal .078" (1.98mm) thick. Class A fire rating, when tested in accordance with ASTM E 84.
3. Extrusion: Pebble grain finish. Contains EPA registered Micro-Chek antimicrobial agent.
4. Adhesion: Manufacturer recommended contact cement—G825, G815, and G875; Manufacturer applied adhesive-backed tape—G915.

PART 3 EXECUTION

3.01 EXAMINATION
Verify by examination that wall surfaces are acceptable to receive the specified guard systems. Notify the Architect in writing if wall surfaces are not acceptable. Do not begin installation until unacceptable conditions have been corrected.

3.02 INSTALLATION
A. Install Corner Guards to wall securely in accordance with manufacturer's written instructions.
B. Install Corner Guards accurately in location, alignment, and elevation.

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

CGR-002-IP

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Corner Guard
Item Type	Corner Guard
Description	Rigid Vinyl Corner Guard, 90 Degrees
Manufacturer	IPC
Model	34xxN
Dimensions	3/4" x 3/4" x Full Height (Above Wall Base)
Color	#0151 Graystone
Finish	Textured
Material Composition	Extruded from chemical and stain resistant polyvinyl chloride with the addition of impact modifiers. No plasticizers shall be added.
CSI #	102600 - Corner Guards
Omniclass #	22-102600 Corner Guards
Fire/Smoke Rating	UL Classified corner guards conforming with NFPA Class A fire rating. Surface Burning characteristics as determined by UL-723 (ASTM E-84), shall be flame spread of 10 and smoke development of 350-450.
Best Practices	Greenguard Gold Certified
Quality Standards	Fungal and Bacterial Resistance as tested in accordance with ASTM G-21 and AST
Accessories	Manufacturer's recommended adhesive
Part of an Assembly	N
Length	Field Verify
Product	Tape On Corner Guard (Without Tape)
Finish	Textured
Wing Size	3/4"
Warranty	Standard IPC Limited Lifetime Warranty against material and manufacturing defects.
Notes	Product Data Sheet: https://tinyurl.com/ync2xatk

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: InPro Corporation
Contact Name: Jenny S Fromm
Phone: 262.679.9010 ext. 5183
Email: jfromm@inprocorp.com

ALTERNATE MANUFACTURER 2

Vendor Name: KOROSEAL INTERIOR PRODUCTS LLC
Contact Name:
Phone:
Email:

AREAS

Hub
Corridors
On Us

ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

CGR-002-KS

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Corner Guard
Item Type	Corner Guard
Description	Rigid Vinyl Corner Guard, 90 Degrees
Manufacturer	Koroseal Wall Protection Systems, a Div. of Koroseal Interior Products
Model	Korogard G800 Series Vinyl Corner Guard - G875
Dimensions	3/4" x 3/4" x Full Height (Above Wall Base)
Color	Overcast (TN)
Finish	Textured
Material Composition	Extruded from chemical and stain resistant polyvinyl chloride with the addition of impact modifiers. No plasticizers shall be added.
CSI #	102600 - Corner Guards
Omniclass #	22-102600 Corner Guards
Fire/Smoke Rating	UL Classified corner guards conforming with NFPA Class A fire rating. Surface Burning characteristics as determined by UL-723 (ASTM E-84), shall be flame spread of 10 and smoke development of 350-450.
Best Practices	Greenguard Gold Certified
Quality Standards	Fungal and Bacterial Resistance as tested in accordance with ASTM G-21 and AST
Accessories	Manufacturer's recommended adhesive
Part of an Assembly	N
Length	Field Verify
Product	90 Degrees
Finish	Textured
Wing Size	3/4"
Warranty	Limited five-year warranty

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: KOROSEAL INTERIOR PRODUCTS LLC
Contact Name:
Phone:
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: InPro Corporation
Contact Name: Jenny S Fromm
Phone: 262.679.9010 ext. 5183
Email: jfromm@inprocorp.com

AREAS

Hub
Corridors
On Us

ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

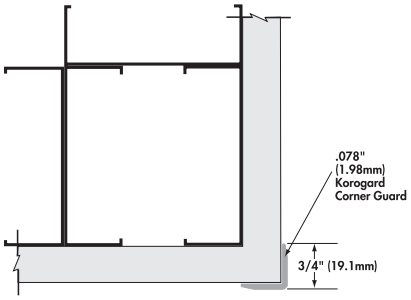
KOROGARD G815, G815S, G825, & G875
EXTRUDED CORNER GUARD

korogard®
wall protection systems

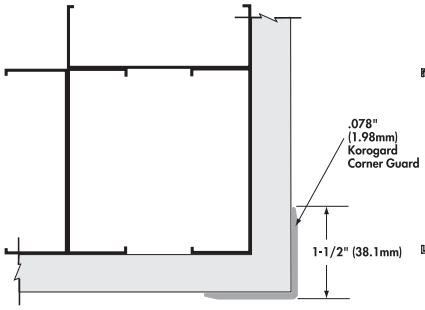
Korogard Extruded Corner Guards are an economical yet durable option for corner protection. Easily installed, these guards are .078" (1.98mm) thick vinyl with 3/4" (19.1mm), 1-1/2" (38.1mm), or 2-1/2" (63.5mm) wings. The wings are tapered back, providing a finished look to any installation. The G815 is available as G81E, a Korogard ETS product manufactured with a unique blend of high-performance materials.

Korogard Extruded Corner Guards are backed by a limited five-year warranty. All Corner Guards are Class A fire rated and meet national building code standards. All Korogard protective products color-coordinate with a multitude of Koroseal Wallcoverings for a systems approach to wall protection.

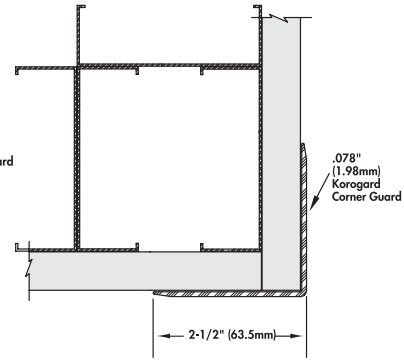
For more information on Korogard Corner Guards or the Koroseal Wall Protection System, please call your local Korogard distributor.



G875



G815/G81E



G825

KOROGARD G815, G815S, G825, & G875
EXTRUDED CORNER GUARD

korogard®
wall protection systems

SECTION 10 26 00 CORNER GUARDS

PART 1 GENERAL

1.01 SECTION INCLUDES
2-1/2" (63.5mm) x 2-1/2" (63.5mm), 1-1/2" (38.1mm) x 1-1/2" (38.1mm), and 3/4" (19.1mm) x 3/4" (19.1mm) Surface Adhered Extruded Corner Guards.

1.02 SUBMITTALS
A. Submit in accordance with Section 01 33 00—Submittals.
B. Product Data: Submit manufacturer's product data.
C. Samples: Submit for approval 12" (304.8mm) long sample of each color specified.
D. Test Reports: Submit manufacturer's test reports and certification indicating compliance with applicable building code requirements.

1.03 QUALITY ASSURANCE
Comply with NFPA 101® for interior finish materials. Smoke developed less than 450 and flame spread of 25 or less in accordance with ASTM E 84.

1.04 DELIVERY, STORAGE, AND HANDLING
A. Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging with labels clearly identifying product name and manufacturer.
B. Storage: Store materials in a clean, dry location protected against damage of any kind.

PART 2 PRODUCTS

2.01 MANUFACTURER
Koroseal Wall Protection Systems,
A Division of koroseal Interior Products, LLC.

2.02 CORNER GUARDS
Koroseal "Korogard" Series G825, G815, G875, and G915: Extruded Corner Guard adhered to substrate corner with glue or tape. Exposed surfaces shall be free of wrinkling, chipping, discoloration, or other imperfections.
1. Dimensions
   a. Leg length: 2-1/2" (63.5mm)—G825; 1-1/2" (38.1mm)—G815 and G915; 3/4" (19.1mm)—G875
   b. Angle: 90°.
2. Profile: High-impact vinyl acrylic extrusion, nominal .078" (1.98mm) thick. Class A fire rating, when tested in accordance with ASTM E 84.
3. Extrusion: Pebble grain finish. Contains EPA registered Micro-Chek antimicrobial agent.
4. Adhesion: Manufacturer recommended contact cement—G825, G815, and G875; Manufacturer applied adhesive-backed tape—G915.

PART 3 EXECUTION

3.01 EXAMINATION
Verify by examination that wall surfaces are acceptable to receive the specified guard systems. Notify the Architect in writing if wall surfaces are not acceptable. Do not begin installation until unacceptable conditions have been corrected.

3.02 INSTALLATION
A. Install Corner Guards to wall securely in accordance with manufacturer's written instructions.
B. Install Corner Guards accurately in location, alignment, and elevation.

Entrance Mat

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

EM-001-SHI

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Entrance Mat
Item Type	Walk Off Carpet Tile
Description	100% solution dyed pet polyester walk off carpet tile with polypropylene backing.
Manufacturer	Shaw Industries, Inc.
Model	5T032 Bon Jour II
Dimensions	24" x 24"
Color	31549 Charcoal
Finish	N/A
Material Composition	Pet Polyester
CSI #	124813 Entrance Mats and Frames
Omniclass #	22-124813
Accessibility Compliance	>0.6 meets the recommended static coefficient of friction for ADA walking surfaces and accessible routes
Notes	Installation: qurter turn

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS

MANUFACTURER	AREAS
ALTERNATE MANUFACTURER 2	Entrance Vestibule
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Floor Coatings

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

FC-001-SW

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Floor Coating
Item Type	Acrylic Water Based Floor Coating
Description	100% acrylic, low odor, waterborne floor coating.
Manufacturer	Sherwin Williams
Model	B90 Series
Dimensions	2 coats, 4.0 mils total
Color	SW7068 Grizzle Gray
Finish	Semi-Gloss
Material Composition	Acrylic
CSI #	099600 - High-Performance Coatings
Omniclass #	22-099600
Accessibility Compliance	Meets ADA requirements for slip resistance for floors
Finish	Semi-Gloss
Product/Color	B90 Series/SW7068 Grizzle Gray
Notes	Prepare surface per Manufacturer's recommendations

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Sherwin Williams
Contact Name: Matt Wessel
Phone: (216) 515-7925
Email: mwessel@sherwin.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Mechanical, Plumbing & Electrical
Elevator Equipment Room
Pool Storage

ArmorSeal Heavy Duty Floor Coatings

ARMORSEAL® TREAD-PLEX™

100% ACRYLIC WATER BASED FLOOR COATING

B90 SERIES

Revised: August 12, 2019

PRODUCT INFORMATION

8.12

PRODUCT DESCRIPTION

ARMORSEAL TREAD-PLEX is a general purpose, interior/exterior, 100% acrylic, low odor, waterborne floor coating. This dries rapidly to a tough, alkali resistant finish which will withstand hard wear, abrasion, grease, oils, and cleaning equipment.

- One component
- Fast dry
- Slip resistant properties
- Abrasion resistant
- Outstanding application properties
- Water clean up

PRODUCT CHARACTERISTICS

Finish:	Semi-Gloss
Color:	Wide variety of colors available
Volume Solids:	43% ± 2%, may vary by color
Weight Solids:	55% ± 2%, may vary by color
VOC (EPA Method 24):	<100 g/L; .83 lb/gal

Recommended Spreading Rate per coat:

	Minimum	Maximum
Wet mils (microns)	**3.5** (88)	**4.5** (112)
Dry mils (microns)	**1.5** (40)	**2.0** (50)
~Coverage sq ft/gal (m^2/L)	**345** (8.4)	**460** (11.3)
Theoretical coverage **sq ft/gal** (m^2/L) @ 1 mil / 25 microns dft	**688** (16.8)	

NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 4.0 mils wet (100 microns):

	@ 55°F/13°C	@ 77°F/25°C *50% RH*	@ 100°F/38°C
To touch:	45 minutes	30 minutes	10 minutes
To recoat:	6 hours	4 hours	30 minutes
Foot traffic:	18 hours	8 hours	1 hour
Heavy traffic:	24 hours	18 hours	6 hours
To cure:	7 days	7 days	7 days

Drying time is temperature, humidity, and film thickness dependent.

Shelf Life:	24 months, unopened Store indoors at 50°F (10°C) to 100°F (38°C)
Flash Point:	>200°F (93°C), PMCC
Reducer/Clean Up:	Water

RECOMMENDED USES

For use over prepared concrete and wood floors, steps, stairwells, aisleways, or previously painted floor surfaces in sound condition.

- Laboratories
- Light assembly and production areas
- Hospitals
- Industrial/commercial office areas
- Helipads
- Not recommended for areas subject to hot tire pickup
- Meets ADA requirements for Slip Resistance for floors
- Suitable for use in USDA inspected facilities

PERFORMANCE CHARACTERISTICS

Substrate*: Concrete

Surface Preparation*: Clean, dry, sound

System Tested*:

2 cts: ArmorSeal Tread-Plex @ 4.0 mils (100 microns) dft

*unless otherwise noted below

Test Name	Test Method	Results
Abrasion Resistance	ASTM D4060, CS17 wheel, 1000 cycles, 1 kg load	No more than 37 mg loss
Adhesion	ASTM D4541; ASTM D3359	702 psi (ASTM D4541); 5A (ASTM D3359)
Direct Impact Resistance, on steel	ASTM D2794	30 in. lb.
Dry Heat Resistance	ASTM D2485	150°F (66°C), intermittent at 200°F (93°C)
Flexibility	ASTM D522, 180° bend, 1/8" mandrel	Passes
Humidity Resistance	ASTM D4585, 500 hours	Rating 10 per ASTM D714 for blistering
Pencil Hardness	ASTM D3363	F
Scrub Resistance (3 mils dft)	ASTM D2486, Section 8	Passes 1000 cycles minimum
Slip Resistance, Floors	ASTM C1028**, .60 Minimum Static Coefficient of Friction	Passes wet and dry, with and without SharkGrip Additive
Wet Adhesion (one coat @ 2.0 mils dft)	TT-P-1511A, 6000 cycles	Passes

**Test method withdrawn in 2014 without replacement

continued on back

ArmorSeal Heavy Duty Floor Coatings

ARMORSEAL® TREAD-PLEX™

100% ACRYLIC WATER BASED FLOOR COATING

B90 SERIES

Revised: August 12, 2019

PRODUCT INFORMATION

8.12

RECOMMENDED SYSTEMS

		Dry Film Thickness / ct. Mils	(Microns)
Concrete Floors:			
2 cts.	ArmorSeal Tread-Plex	1.5-2.0	(40-50)
Wood Floors:			
2 cts.	ArmorSeal Tread-Plex	1.5-2.0	(40-50)
Previously Painted Floors in Sound Condition:			
1-2 cts.	ArmorSeal Tread-Plex	1.5-2.0	(40-50)

The systems listed above are representative of the product's use, other systems may be appropriate.

SURFACE PREPARATION

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Refer to product Application Bulletin for detailed surface preparation information.

Minimum recommended surface preparation:

Concrete Floors: SSPC-SP13/NACE 6, or ICRI No. 310.2R, CSP 1-3

Wood Floors: Clean, smooth, dust free

Do not use hydrocarbon solvents for cleaning

Surface Preparation Standards

	Condition of Surface	ISO 8501-1 BS7079:A1	SSPC	NACE
White Metal		Sa 3	SP 5	1
Near White Metal		Sa 2.5	SP 10	2
Commercial Blast		Sa 2	SP 6	3
Brush-Off Blast		Sa 1	SP 7	4
Hand Tool Cleaning	Rusted	C St 2	SP 2	-
	Pitted & Rusted	D St 2	SP 2	-
Power Tool Cleaning	Rusted	C St 3	SP 3	-
	Pitted & Rusted	D St 3	SP 3	-

TINTING

Do not tint package colors. Pastel and Ultradeep bases tint at 100% strength with EnviroToner, BAC, or CCE. Better performance will be achieved with Envirotoners. Five minutes minimum mixing on a mechanical shaker is required for complete mixing of color.

APPLICATION CONDITIONS

Temperature: 50°F (10°C) minimum, 100°F (38°C) maximum
(air, surface, and material)
At least 5°F (2.8°C) above dew point

Relative humidity: 85% maximum

Refer to product Application Bulletin for detailed application information.

ORDERING INFORMATION

Packaging: 1 gallon (3.78L) and 5 gallon (18.9L) containers

Weight: 10.7 ± 0.2 lb/gal ; 1.3 Kg/L, may vary by color

SAFETY PRECAUTIONS

Refer to the MSDS sheet before use.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

WARRANTY

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

DISCLAIMER

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Information and Application Bulletin.

ArmorSeal Heavy Duty Floor Coatings

ARMORSEAL® TREAD-PLEX™

100% ACRYLIC WATER BASED FLOOR COATING

B90 SERIES

Revised: August 12, 2019

APPLICATION BULLETIN

8.12

SURFACE PREPARATIONS

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Do not use hydrocarbon solvent for cleaning.

Concrete and Masonry
For surface preparation, refer to SSPC-SP13/NACE 6, or ICRI No. 310.2R, CSP 1-3. Surfaces should be thoroughly clean and dry. Concrete and mortar must be cured at least 28 days @ 75°F (24°C). Remove all loose mortar and foreign material. Surface must be free of laitance, concrete dust, dirt, form release agents, moisture curing membranes, loose cement and hardeners. Fill bug holes, air pockets and other voids with Steel-Seam FT910.

Follow the standard methods listed below when applicable:
ASTM D4258 Standard Practice for Cleaning Concrete.
ASTM D4259 Standard Practice for Abrading Concrete.
ASTM D4260 Standard Practice for Etching Concrete.
ASTM F1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete.
SSPC-SP 13/Nace 6 Surface Preparation of Concrete.
ICRI No. 310.2R Concrete Surface Preparation.

Wood
Surface must be clean, dry and sound. Remove any oils and dirt from the surface using a degreasing solvent or strong detergent. Sand to remove any loose or deteriorated surface wood and to obtain a proper surface profile. Prime with recommended primer and paint as soon as possible. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked.

Previously Painted Surfaces
If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above.

Surface Preparation Standards

	Condition of Surface	ISO 8501-1 BS7079:A1	SSPC	NACE
White Metal		Sa 3	SP 5	1
Near White Metal		Sa 2.5	SP 10	2
Commercial Blast		Sa 2	SP 6	3
Brush-Off Blast		Sa 1	SP 7	4
Hand Tool Cleaning	Rusted	C St 2	SP 2	-
	Pitted & Rusted	D St 2	SP 2	-
Power Tool Cleaning	Rusted	C St 3	SP 3	-
	Pitted & Rusted	D St 3	SP 3	-

APPLICATION CONDITIONS

Temperature:	50°F (10°C) minimum, 100°F (38°C) maximum (air, surface, and material) At least 5°F (2.8°C) above dew point
Relative humidity:	85% maximum

APPLICATION EQUIPMENT

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compliant with existing VOC regulations and compatible with the existing environmental and application conditions.

Reducer/Clean Up .....Water

Brush
Brush.....Nylon/Polyester
Reduction.....As needed up to 6% by volume

Roller
Cover .....1/4"-3/8" woven with solvent resistant core
Reduction.....As needed up to 6% by volume

If specific application equipment is not listed above, equivalent equipment may be substituted.

continued on back

ArmorSeal Heavy Duty Floor Coatings

ARMORSEAL® TREAD-PLEX™

100% ACRYLIC WATER BASED FLOOR COATING

B90 SERIES

Revised: August 12, 2019

APPLICATION BULLETIN

8.12

APPLICATION PROCEDURES

Surface preparation must be completed as indicated.

Mixing Instructions: Mix paint thoroughly with low speed power agitation prior to use. Avoid vigorous agitation. Make certain no pigment remains on bottom of can.

Apply paint at the recommended film thickness and spreading rate as indicated below:

Recommended Spreading Rate per coat:

	Minimum	Maximum
Wet mils (microns)	**3.5** (88)	**4.5** (112)
Dry mils (microns)	**1.5** (40)	**2.0** (50)
~Coverage sq ft/gal (m^2/L)	**345** (8.4)	**460** (11.3)
Theoretical coverage **sq ft/gal** (m^2/L) @ 1 mil / 25 microns dft	**688** (16.8)	

NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 4.0 mils wet (100 microns):

	@ 55°F/13°C	@ 77°F/25°C *50% RH*	@ 100°F/38°C
To touch:	45 minutes	30 minutes	10 minutes
To recoat:	6 hours	4 hours	30 minutes
Foot traffic:	18 hours	8 hours	1 hour
Heavy traffic:	24 hours	18 hours	6 hours
To cure:	7 days	7 days	7 days

Drying time is temperature, humidity, and film thickness dependent.

Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

CLEAN UP INSTRUCTIONS

Clean spills and spatters immediately with soap and warm water. Clean hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with mineral spirits to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using mineral spirits.

DISCLAIMER

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Information and Application Bulletin.

PERFORMANCE TIPS

During the early stages of drying, the coating is sensitive to rain, dew, high humidity, and moisture condensation. Plan painting schedules to avoid these influences during the first 16-24 hours of curing.

Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness or porosity of the surface, skill and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, overthinning, climatic conditions, and excessive film build.

Excessive reduction of material can affect film build, appearance, and adhesion.

This product is not slip resistant where moisture, water, grease, or other liquids may be present.

Anti-slip additives, such as H&C SharkGrip®, may be added to the coating to provide some slip resistance. This product should not be used in place of a non-skid finish.

Refer to Product Information sheet for additional performance characteristics and properties.

SAFETY PRECAUTIONS

Refer to the MSDS sheet before use.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

WARRANTY

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Grout

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

GR-002-LA

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Grout
Item Type	Grout, Epoxy
Description	High Performance Epoxy Grout, Sanded
Manufacturer	Laticrete International, Inc.
Model	SpectraLOCK PRO Premium Grout
Color	78 Sterling Silver
CSI #	093000 - Tiling
Omniclass #	22-093000 - Tiling
Compressive Strength	3,800 psi (26.2 MPa) 7 days
Best Practices	Greenguard Certified Gold for Low Chemical Emissions ULCOM/GG UL2818
Quality Standards	ANSI A118.3
Eco-Feature(s) *as per manufacturer	Total VOC Content form is 0.00026 lb/gal (0.031 g/l).
Product Type	SpectraLOCK PRO Premium
Sealer	STONETECH BulletProof Sealer
Grout Joint Width	1/16" - 1/2"
Lead Time	Confirm stock with local distributor
Warranty	DS 230.13: LATICRETE Product Warranty A component of: DS 025.0 LATICRETE 25 Year System Warranty (United States and Canada) DS 230.99: LATICRETE Lifetime System Warranty
Notes	Refer to Design Guideline Drawings for Grout location. Product Data Sheet: https://tinyurl.com/5v6ap7cb

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Laticrete International
Contact Name: Anita J. Hellickson
Phone: 800.243.4788
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Lobby
Public Restrooms
Entrance Vestibule
Elevators

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

GR-003-LA

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Grout
Item Type	Grout, Epoxy
Description	High Performance Epoxy Grout
Manufacturer	Laticrete
Model	SpectraLOCK PRO Premium Grout
Color	45 Raven
CSI #	093000 - Tiling
Omniclass #	22-093000 - Tiling
Compressive Strength	>3,500 psi*
Best Practices	Greenguard Certified Gold for Low Chemical Emissions ULCOM/GG UL2818
Quality Standards	ANSI A118.3 and A118.6
Product Type	SpectraLOCK PRO Premium Grout
Sealer	STONETECH BulletProof Sealer
Grout Joint Width	1/16" - 1/2"
Lead Time	Confirm stock with local distributor
Warranty	LATICRETE Product Warranty, LATICRETE 25 Year System Warranty, and LATICRETE Lifetime System Warranty
Notes	Refer to Design Guideline Drawings for Grout location. Product Data Sheet: https://tinyurl.com/5v6ap7cb

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Laticrete International
Contact Name: Anita J. Hellickson
Phone: 800.243.4788
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Lobby
Guest Laundry
Ice-Vending
Elevator Lobby
Hydration Station
Buffet

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

GR-004-LA

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Grout
Item Type	Grout, Epoxy
Description	High Performance Epoxy Grout, Sanded
Manufacturer	Laticrete International, Inc.
Model	SpectraLOCK PRO Premium Grout
Color	24 Natural Gray
CSI #	093000 - Tiling
Omniclass #	22-093000 - Tiling
Compressive Strength	3,800 psi (26.2 MPa) 7 days
Best Practices	Greenguard Certified Gold for Low Chemical Emissions ULCOM/GG UL2818
Quality Standards	ANSI A118.3
Eco-Feature(s) *as per manufacturer	Total VOC Content form is 0.00026 lb/gal (0.031 g/l).
Product Type	SpectraLOCK PRO Premium grout
Sealer	STONETECH BulletProof Sealer
Grout Joint Width	1/16" - 1/2"
Lead Time	Confirm stock with local distributor
Warranty	DS 230.13: LATICRETE Product Warranty A component of: DS 025.0 LATICRETE 25 Year System Warranty (United States and Canada) DS 230.99: LATICRETE Lifetime System Warranty
Notes	Refer to Design Guideline Drawings for Grout location. Product Data Sheet: https://tinyurl.com/5v6ap7cb

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Laticrete International
Contact Name: Anita J. Hellickson
Phone: 800.243.4788
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms
Buffet

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Grout
Item Type	Grout, Epoxy
Description	High Performance Epoxy Grout, Sanded
Manufacturer	Laticrete International, Inc.
Model	SpectraLOCK PRO Premium Grout
Color	44 Bright White
CSI #	093000 - Tiling
Omniclass #	22-093000 - Tiling
Compressive Strength	3,800 psi (26.2 MPa) 7 days
Best Practices	Greenguard Certified Gold for Low Chemical Emissions ULCOM/GG UL2818
Quality Standards	ANSI A118.3
Eco-Feature(s) *as per manufacturer	Total VOC Content form is 0.00026 lb/gal (0.031 g/l).
Product Type	SpectraLOCK PRO Premium grout
Sealer	STONETECH BulletProof Sealer
Grout Joint Width	1/16" - 1/2"
Lead Time	Confirm stock with local distributor
Warranty	DS 230.13: LATICRETE Product Warranty A component of: DS 025.0 LATICRETE 25 Year System Warranty (United States and Canada) DS 230.99: LATICRETE Lifetime System Warranty
Notes	Refer to Design Guideline Drawings for Grout mark number. Product Data Sheet: https://tinyurl.com/5v6ap7cb

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Laticrete International
Contact Name: Anita J. Hellickson
Phone: 800.243.4788
Email:

ALTERNATE MANUFACTURER 2

Vendor Name: Bostik
Contact Name: Corey Turnage
Phone: 804-658-9955
Email:

ALTERNATE MANUFACTURER 3

Vendor Name: Mapei
Contact Name: Curtis Yoakum
Phone: (484) 686-4154
Email: cyoakum@mapei.com

AREAS

Indoor Pool
Public Restrooms

ALTERNATE MANUFACTURER 4	

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

GR-006-LA

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Grout
Item Type	Grout, Epoxy
Description	High Performance Epoxy Grout
Manufacturer	Laticrete International, Inc.
Model	SpectraLOCK PRO Premium Grout
Color	88 Silver Shadow
CSI #	093000 - Tiling
Omniclass #	22-093000 - Tiling
Compressive Strength	>3,500 psi*
Best Practices	Greenguard Certified Gold for Low Chemical Emissions ULCOM/GG UL2818
Quality Standards	ANSI A118.3 and A118.6
Product Type	SpectraLOCK PRO Premium Grout
Sealer	STONETECH BulletProof Sealer
Grout Joint Width	1/16" - 1/2"
Lead Time	Confirm stock with local distributor
Warranty	LATICRETE Product Warranty, LATICRETE 25 Year System Warranty, and LATICRETE Lifetime System Warranty
Notes	Refer to Design Guideline Drawings for Grout location. Product Data Sheet: https://tinyurl.com/5v6ap7cb

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Laticrete International
Contact Name: Anita J. Hellickson
Phone: 800.243.4788
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Indoor Pool

Metal

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

MT-001-BNI

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Metal
Item Type	Metal
Description	Aluminum
Manufacturer	B & N Industries
Model	Fortina Aluminum Extrusions
Color	Primary Oak PN
Finish	TE-800
Part of an Assembly	N
Notes	Profile: THSN-5010 with Adhered 101 Eco Sheet

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS

MANUFACTURER	AREAS
Vendor Name: B & N Industries Contact Name: Lena Lim Phone: 212.912.3875 Email:	Lobby
ALTERNATE MANUFACTURER 2	
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

MT-002

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Decorative Metal Fabrications
Item Type	Aluminum Sheet & Tube
Description	1/8" thick aluminum sheet metal and 1" x 1" Aluminum Tube, Powder Coated
Manufacturer	Not Applicable
Model	Not Applicable
Dimensions	Refer to Design Guideline Drawings
Color	Tiger Drylac 049/66230, Color: Brown C33
Finish	Metallic Smooth/Matte; Fluropolymer (PVDF) 70% resin, 2-coat system complying with AAMA 2605
CSI #	057500 - Decorative Formed Metal
Omniclass #	22 - 057500 - Decorative Formed Metal
Quality Standards	Aluminum Plate and Sheet: ASTM B209/B209M, Alloy 6061-T6; Aluminum Extruded Bar and Tubes: ASTM B221, Alloy 6063-T5. Comply with NAAMM "Metal Finishes Manual" for “Architectural and Metal Products” for recommendations relative to application and designations of finishes. for type of use and finish indicated.
Part of an Assembly	N
Notes	Sheet metal directly adhered to substrate per manufacturer's recommended adhesive. Form decorative metal to required shapes and sizes, true to line and level with true curves and accurate angles and surfaces. Finish exposed surfaces to smooth, sharp, well-defined lines and arris.

SPECIAL INSTRUCTIONS

If finished in the field; refer to the Building Product Manual Paint Schedule in the appendix for interior painted metal surfaces.

MANUFACTURER	AREAS
ALTERNATE MANUFACTURER 2	Hub Buffet Breakfast
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

TIGER Drylac® Powder Coatings

SERIES 49 - interior and exterior applications

POLYESTER TGIC WEATHER RESISTANT POWDER COATING FOR INTERIOR AND EXTERIOR APPLICATIONS

Typical applications

- residential windows and doors
- lawn mowers and garden equipment
- patio furniture
- automotive accessories
- bicycles and motorcycles
- agricultural machinery
- sporting goods
- internal ship components

Product details

Standard packaging — in original 44 & 55 lb (20 & 25 kg) boxes and 5 lb (2.5 kg) minipack

Specific gravity (ASTM D792) — approximately 1.2-1.8 g/cm^3 depending on pigmentation

Theoretical coverage — at 2.5 mils (60 µm) film thickness: **51.5 ft²/lb (11.1 m²/kg)**. Refer also to "Theoretic Powder Coating Coverage Chart" version 00-1001 (imperial) version 00-1000 (metric)

Storage stability — 12 months at no more than 77 °F (25 °C) avoid direct and extended exposure to heat

Finish

finish	gloss
smooth *glossy*	80-95+*
smooth *semi-gloss*	55-65*
smooth *matte*	15-25*
rough texture *glossy*	visual
rough texture *matte*	visual
fine texture	visual
fluorescent	visual
clear, glitter, candy tones	visual
dormant transparent	visual
holographic	visual
metallic and other special effects	visual

* *Gloss level according to ASTM 523 at 60° angle (doesn't apply to metallic effect powder coatings). The measured gloss level of effect powder coatings can diverge from the details given in this Product Data Sheet. The creation of tolerance samples is recommended.*

Available as stock product in a selection of colors and finishes (see color charts). It can be made to order in non-stock colors (minimum order quantity applies).

Features

- good weather resistance
- good mechanical properties
- good flow
- good coverage
- good storage stability
- available in Out Gassing Forgiving (OGF) formulation
- Underwriter Laboratories recognized component (UL approved)

Underwriters Laboratories Inc., (UL) Recognition.

Pretreatment

The following table reflects the common methods of pre-treatment with regards to various substrates and applications. In selecting the proper type of pretreatment, the suitability of the type of powder coating for a desired application according to the guidelines on this page should be observed.

	Aluminum			Galvanized Steel				Steel		
Degreasing	○			○				○		
1) Chromating	○	○	○	○	○	○	○			
2) Pre-Anodizing	○	○	○							
2) Chrome free	○	○	○	○	○					
Iron Phosphating								○	○	
Zinc Phosphating				○	○	○	○	○	○	○
Blasting								○	○	○
3) Sweeping				○	○	○	○			
	I	E	A	I	E	A	S	I	E	S[4]

Application: I = interior; E = exterior; A = architectural; S = steel

1) according to ASTM B 449
2) according to GSB quality and test regulations. The suitability of this type of pretreatment needs to be established through a boiling water test and subsequent cross-hatch adhesion and adhesive tape removal test
3) only for zinc coated parts >1.8 mils (>45 µm)
4) for a two-coat process/TIGER Shield

Processing

Corona and Tribostatic*

** For Tribostatic powder coatings, confirm before ordering. Suitability of metallic effects for Tribostatic processing must be verified prior to actual application. Please refer to the latest edition of the relevant application guidelines for metallic effect powder coatings.*

Since not all powder coatings are suitable for recycling/reclaim, please verify before ordering.

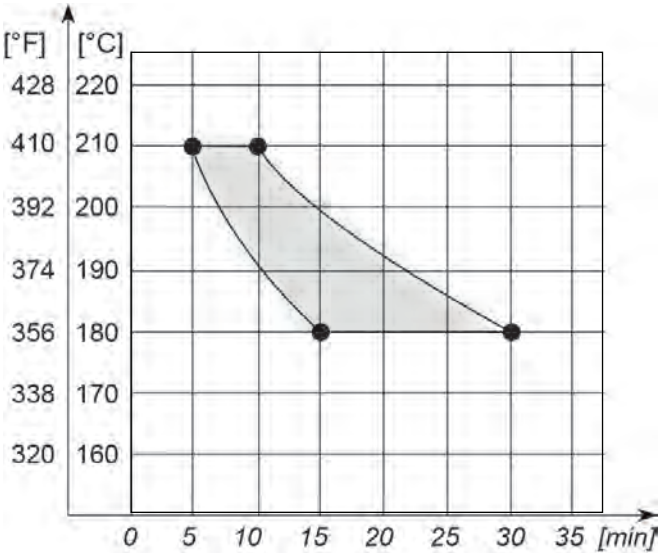
Product data sheet

TIGER Drylac® Powder Coatings

Cure parameters

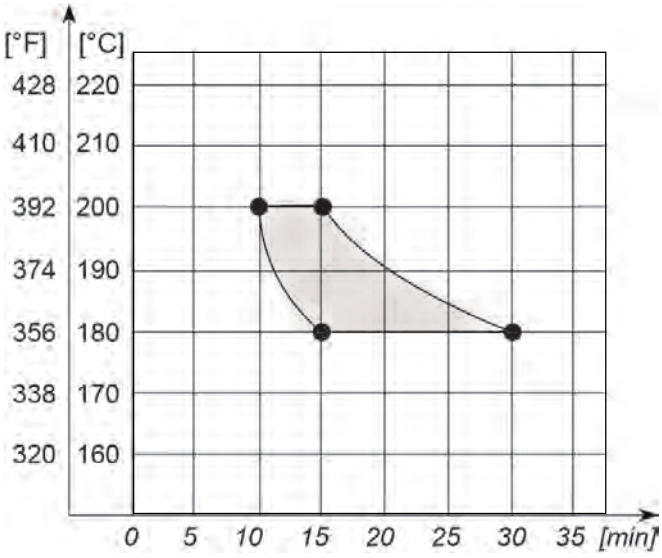
(substrate temperature versus curing time)

smooth *glossy*



substrate temp.	min. curing time	max. curing time
356 °F (180 °C)	15 minutes	30 minutes
410 °F (210 °C)	5 minutes	10 minutes

smooth *matte*



substrate temp.	min. curing time	max. curing time
356 °F (180 °C)	15 minutes	30 minutes
392 °F (200 °C)	10 minutes	15 minutes

Cure parameters must be closely observed since mechanical properties will develop before full cross-linking.

Test results

Checked under laboratory conditions on iron phosphated steel test panels Bonderite B-1000 or equivalent. Cure conditions are according to the cure curves. Actual product performance may vary due to product-specific properties such as gloss, color, effect and finish as well as application-related and environmental influences. When used as a two-coat system, the increase in film thickness will result in a decrease of mechanical properties.

test method	test	**Series 49** smooth *glossy*	**Series 49** smooth *semi-gloss*	**Series 49** smooth *matte*
ISO 2360	**recommended film thickness**	2.5-3.5 mils (60-80 µm)	2.5-3.5 mils (60-80 µm)	2.5-3.5 mils (60-80 µm)
ASTM D523	**gloss - 60°**	80-95+	55-65	15-25
ASTM D3359 method B	**cross cut tape test** 1mm cutting distance	5B	5B	5B
ASTM D522	**mandrel bending test** cracking of coating	≤1/8 inch (≤3 mm)	≤5/32 inch (≤4 mm)	≤3/16 inch (≤5 mm)
ASTM D2794	**ball impact test** cracking of coating	80 in/lb no appearance of cracks down to the substrate	80 in/lb no appearance of cracks down to the substrate	80 in/lb no appearance of cracks down to the substrate
ASTM D3363	**pencil hardness**	2H minimum	2H minimum	2H minimum
ASTM D2247	**determination of resistance to humidity** 1,000 hours	maximum undercutting 1/8 inch (3 mm), no blistering	maximum undercutting 1/8 inch (3 mm), no blistering	maximum undercutting 1/8 inch (3 mm), no blistering
ASTM B117	**salt spray resistance** 1,000 hours	maximum undercutting 1/8 inch (3 mm), no blistering	maximum undercutting 1/8 inch (3 mm), no blistering	maximum undercutting 1/8 inch (3 mm), no blistering

Cleaning recommendations: refer to the latest edition of TIGER “Cleaning Recommendations” information sheet, Version 00-1005.

Series 49

TIGER Drylac® Powder Coatings

Please note

For metallic finishes, it is recommended to observe the guidelines published in the latest edition of TIGER Drylac® "Application guidelines for metallic effect powder coatings".

Please consult the manufacturer before applying any 2-coat systems that feature (i) a primer or e-coat as base coat and (ii) a metallic effect powder coating as a top coat.

Top coating with a clear exterior grade powder coating over an interior grade powder coating does not result into a weather resistant coating system.

Post-bending properties of any part must be verified prior to application. Minor cracks in the coated surface may lead to corrosion.

Joint sealants and any other auxiliary products, such as glazing aids, gliding waxes, drilling and cutting lubricants, which come in contact with the coated surface, must be pH-neutral and free of substances that may damage the finish. Therefore, a suitability test at the applicator's end, prior to coating, is highly recommended.

In general, colors in the red, orange and yellow range may require an increased film thickness to achieve full hiding.

Please read and understand the Safety Data Sheet (SDS) before use.

Chemical resistance

The required chemical resistance of a powder coating depends, among other things, on its formulation. Chemical resistance requirements must be considered according to processing conditions and final use of the finished product. This is best established during the product specification process. Agreement between all parties involved must be reached about the requirements for such chemical resistance as well as the test method, which may be performed in accordance with PCI test method #8 "Solvent Cure Test". Furthermore, the test duration and concentration of the test media need to be agreed upon.

Disclaimer

TIGER's verbal and written recommendations for the use of its products are based upon experience and in accordance with current technological standards. These are provided in order to support the buyer or user. They are non-committal and do not create any additional commitments to the purchase agreement. They do not release the buyer from verifying the suitability of TIGER products for the intended application. TIGER warrants that its products are free of flaws and defects to the extent stipulated in the Terms of Delivery and Payment.

As part of TIGER product information program, each Product Data Sheet is updated periodically. The latest version shall prevail. It is recommended to always check for the latest editions on TIGER's website download area www.tiger-coatings.com to make sure you have the most current version of this Product Data Sheet. The information on TIGER's Product Data Sheets are subject to change without notification.

This Product Data Sheet supersedes and replaces all previous Product Data Sheet versions and notes to customers published in relation to this product and is only intended to provide a general overview on the product.

Latest versions of Technical Information Sheets and Terms of Delivery and Payment are downloadable from www.tiger-coatings.com and form an integral part of this Product Data Sheet.

Series 49

Certified according to ISO 9001 | 14001

TIGER Drylac U.S.A., Inc.
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Mirror

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

MR-001

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Mirror
Item Type	Frameless Mirror
Description	Polished Glass Mirror, frame less
Manufacturer	Acceptable Glazing Manufacturer
Model	Per Specified Manufacturer
Dimensions	Thickness: 1/4"; Refer to Design Guideline Drawings for mirror size.
Finish	Clear
CSI #	088300 - Mirrors
Omniclass #	22 - 088300 - Mirrors
Accessibility Compliance	At a minimum, comply with accessibility regulations and standards of the country where the project is located. If governing accessibility regulations and standards do not exist, comply with the criteria as outlined by the U.S. ADA Standards for persons with disabilities.
Thickness	1/4"
Lead Time	Verify with manufacturer at time of purchase.
Warranty	To Be Verified with Manufacturer

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS
Edge: Ground Smooth with satin chrome continuous bottom and top channel.

MANUFACTURER	AREAS
ALTERNATE MANUFACTURER 2	Lobby Fitness Center
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Paint - Ceiling

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PTC-001-SW

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Paint - Ceiling
Item Type	Interior Water-based Acrylic Latex Paint
Description	Interior Ceiling & Soffit Paint
Manufacturer	Sherwin Williams
Model	ProMar 200 ZeroVOC Interior Latex (B30 Series)
Dimensions	N/A
Color	SW7005 Pure White
Finish	Flat
CSI #	09 90 00 - Painting
Omniclass #	22 - 09 90 00
Best Practices	Low-VOC, UL Greenguard Certified
Quality Standards	Interior paint: Comply with Green Seal GS-11; MPI Architectural Painting Specification Manual; 40 CFR, Part 59, Subpart D 2001, National Volatile Organic Compound Emission Standards for Architectural Coatings
Eco-Feature(s) *as per manufacturer	Formulated without lead, mercury or chromates. 0 g/L VOC (US EPA)| GREENGUARD Gold Certified| LEED v4 VOC & Emissions Compliant, Materials Ingredient Declaration available.
Product Type	ProMar 200 ZeroVOC Interior Latex (B30W12651)
Finish	Flat
Lead Time	Standard lead times are 3-5 days from receipt of purchase order. Lead time should be confirmed by the manufacturer.
Warranty	Limited Lifetime

SPECIAL INSTRUCTIONS

Primer, undercoat, block filler, finish coat(s) are to be compatible and of the same manufacturer. All primers and undercoats are to be tinted to 50% lighter than the selected and approved finish coat color. All finish coats are to be tinted 25% darker than the primer coat until approved finish coat color is achieved. When the color schedule calls for the use of DEEP TONES (interior and/or exterior), it is the responsibility of the painting contractor to utilize the appropriate Deep Base Primers as manufactured by the painting company for use on the substrate for which they are intended.

Required Wall Finish Levels:
All walls to receive VWC are to have a Level 3 (minimum) Gypsum Board Finish.
All walls to receive Paint (or light to med weight wall covering) are to have a level 4 Gypsum Board Finish.
All walls to receive Gloss, enamel paint, or Murals to have a Level 5 Gypsum Board Finish.

MANUFACTURER

Vendor Name: Sherwin Williams
Contact Name: Matt Wessel
Phone: (216) 515-7925
Email: mwessel@sherwin.com

AREAS

Lobby
Public Restrooms
Entrance Vestibule

ALTERNATE MANUFACTURER 2	Elevator Lobby Fitness Center
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

101.81A

ProMar® 200 Zero V.O.C.
Interior Latex Flat

B30-2600 Series

CHARACTERISTICS

ProMar 200 Zero V.O.C. Interior Latex Flat is a durable, professional quality, interior vinyl acrylic finish for use on walls and ceilings of primed plaster, wallboard, wood, masonry, and primed metal.

Color: Most Colors

To optimize hide and color development, always use the recommended P-Shade primer

Coverage: 350-400 sq. ft. per gallon @ 4 mils wet; 1.4 mils dry

Drying Time, @ 77°F, 50% RH:

Touch: 1 Hour
Recoat: 4 Hours

Drying and recoat times are temperature, humidity, and film thickness dependent

Finish: 1.5-3.5 units @ 85°

Tinting with CCE only:

Base:	oz/gal:	Strength:
High Ref White	0-6	SherColor
Extra White	0-7	SherColor
Deep Base	4-12	SherColor
Ultradeep Base	10-12	SherColor
Real Red	0-12	SherColor
Bright Yellow	0-12	SherColor
Dover White		do not tint

Extra White B30W12651
(may vary by color)

V.O.C. (less exempt solvents):

less than 50 grams per litre; 0.42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids:	34 ± 2%
Weight Solids:	52 ± 2%
Weight per Gallon:	11.45 lbs
Flash Point:	N/A
Vehicle Type:	Vinyl Acrylic
Shelf Life:	36 months unopened

Anti-microbial
This product contains agents which inhibit the growth of mold and mildew on the surface of this paint film.

COMPLIANCE

As of 09/04/2019, Complies with:

OTC	Yes
OTC Phase II	Yes
SCAQMD	Yes
CARB	Yes
CARB SCM 2007	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	Yes
MIR-Product Lens Certified	Yes
MPI®	Yes

APPLICATION

Apply at temperatures above 50°F.
No reduction needed.

Brush:

Use a nylon/polyester brush.

Roller:

Use a 3/8 to 3/4 inch nap synthetic cover.

Spray—Airless

Pressure	2000 p.s.i.
Tip	.017-.021 inch

APPLICATION TIPS

Make sure product is completely agitated (mechanically or manually) before use.

Priming and application of two coats at the recommended film thickness can help where hiding of a previous coating or application to new drywall is a factor.

Using the same method of application and batch to touch up with as that originally used will help improve touch up.

When original application was by spray, preconditioning of touch up paint by running it through the spray tip will help touch up appearance.

SPECIFICATIONS

Block:
1 coat ConFlex Block Filler*
2 coats ProMar 200 Zero V.O.C. Interior Latex

Drywall:
1 coat ProMar 200 Zero V.O.C. Latex Primer
2 coats ProMar 200 Zero V.O.C. Interior Latex

Masonry:
1 coat Loxon Concrete & Masonry Primer*
2 coats ProMar 200 Zero V.O.C. Interior Latex

Plaster:
1 coat Loxon Concrete & Masonry Primer*
2 coats ProMar 200 Zero V.O.C. Interior Latex

Wood:
1 coat Premium Wall & Wood Primer*
2 coats ProMar 200 Zero V.O.C. Interior Latex

*These primers contain less than 50 grams per litre V.O.C.

Other primers may be appropriate.

When repainting involves a drastic color change, a coat of primer will improve the hiding performance of the topcoat color.

continued on back

ProMar® 200 Zero V.O.C.
Interior Latex Flat

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (**NIOSH** approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer/sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Caulking:

Gaps between walls, ceilings, crown moldings, and other interior trim can be filled with the appropriate caulk after priming the surface.

Drywall:

Fill cracks and holes with patching paste/ spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust.

Masonry, Concrete, Cement, Block:

All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces can be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer.

SURFACE PREPARATION

Mildew:

Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised. Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.

Plaster:

Bare plaster must be cured and hard. Textured, soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with clear water and allow to dry.

Wood:

Sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth.

CAUTIONS

For interior use only.
Protect from freezing.
Non-photochemically reactive.

Before using, carefully read **CAUTIONS on label**

CRYSTALLINE SILICA Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (**NIOSH** approved) or leave the area. Adequate ventilation required when sanding or abrading the dried film. If adequate ventilation cannot be provided wear an approved particulate respirator (**NIOSH** approved). Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.** Abrading or sanding of the dry film may release crystalline silica which has been shown to cause lung damage and cancer under long term exposure. WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

HOTW 09/04/2019 B30W02653 26 00
FRC,SP

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS.

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PTC-006-SW

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Paint - Ceiling
Item Type	Interior Water-based Acrylic Latex Paint
Description	Interior Ceiling & Soffit Paint
Manufacturer	Sherwin Williams
Model	ProMar 200 ZeroVOC Interior Latex (B30 Series)
Dimensions	N/A
Color	SW9170 Acier
Finish	Flat
CSI #	09 90 00 - Painting
Omniclass #	22 - 09 90 00
Best Practices	Low-VOC, UL Greenguard Certified
Quality Standards	Interior paint: Comply with Green Seal GS-11; MPI Architectural Painting Specification Manual; 40 CFR, Part 59, Subpart D 2001, National Volatile Organic Compound Emission Standards for Architectural Coatings
Eco-Feature(s) *as per manufacturer	Formulated without lead, mercury or chromates. 0 g/L VOC (US EPA)| GREENGUARD Gold Certified| LEED v4 VOC & Emissions Compliant, Materials Ingredient Declaration available.
Product Type	ProMar 200 ZeroVOC Interior Latex (B30W12651)
Finish	Flat
Lead Time	Standard lead times are 3-5 days from receipt of purchase order. Lead time should be confirmed by the manufacturer.
Warranty	Limited Lifetime

SPECIAL INSTRUCTIONS

Primer, undercoat, block filler, finish coat(s) are to be compatible and of the same manufacturer. All primers and undercoats are to be tinted to 50% lighter than the selected and approved finish coat color. All finish coats are to be tinted 25% darker than the primer coat until approved finish coat color is achieved. When the color schedule calls for the use of DEEP TONES (interior and/or exterior), it is the responsibility of the painting contractor to utilize the appropriate Deep Base Primers as manufactured by the painting company for use on the substrate for which they are intended.

Required Wall Finish Levels:
All walls to receive VWC are to have a Level 3 (minimum) Gypsum Board Finish.
All walls to receive Paint (or light to med weight wall covering) are to have a level 4 Gypsum Board Finish.
All walls to receive Gloss, enamel paint, or Murals to have a Level 5 Gypsum Board Finish.

MANUFACTURER

Vendor Name: Sherwin Williams
Contact Name: Matt Wessel
Phone: (216) 515-7925
Email: mwessel@sherwin.com

AREAS

Lobby
Elevator Lobby

ALTERNATE MANUFACTURER 2	
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

101.81A

ProMar® 200 Zero V.O.C.
Interior Latex Flat

B30-2600 Series

CHARACTERISTICS

ProMar 200 Zero V.O.C. Interior Latex Flat is a durable, professional quality, interior vinyl acrylic finish for use on walls and ceilings of primed plaster, wallboard, wood, masonry, and primed metal.

Color: Most Colors

To optimize hide and color development, always use the recommended P-Shade primer

Coverage: 350-400 sq. ft. per gallon @ 4 mils wet; 1.4 mils dry

Drying Time, @ 77°F, 50% RH:

Touch: 1 Hour
Recoat: 4 Hours

Drying and recoat times are temperature, humidity, and film thickness dependent

Finish: 1.5-3.5 units @ 85°

Tinting with CCE only:

Base:	oz/gal:	Strength:
High Ref White	0-6	SherColor
Extra White	0-7	SherColor
Deep Base	4-12	SherColor
Ultradeep Base	10-12	SherColor
Real Red	0-12	SherColor
Bright Yellow	0-12	SherColor
Dover White		do not tint

Extra White B30W12651
(may vary by color)

V.O.C. (less exempt solvents):

less than 50 grams per litre; 0.42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids:	34 ± 2%
Weight Solids:	52 ± 2%
Weight per Gallon:	11.45 lbs
Flash Point:	N/A
Vehicle Type:	Vinyl Acrylic
Shelf Life:	36 months unopened

Anti-microbial
This product contains agents which inhibit the growth of mold and mildew on the surface of this paint film.

COMPLIANCE

As of 09/04/2019, Complies with:

OTC	Yes
OTC Phase II	Yes
SCAQMD	Yes
CARB	Yes
CARB SCM 2007	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	Yes
MIR-Product Lens Certified	Yes
MPI®	Yes

APPLICATION

Apply at temperatures above 50°F.
No reduction needed.

Brush:

Use a nylon/polyester brush.

Roller:

Use a 3/8 to 3/4 inch nap synthetic cover.

Spray—Airless

Pressure	2000 p.s.i.
Tip	.017-.021 inch

APPLICATION TIPS

Make sure product is completely agitated (mechanically or manually) before use.

Priming and application of two coats at the recommended film thickness can help where hiding of a previous coating or application to new drywall is a factor.

Using the same method of application and batch to touch up with as that originally used will help improve touch up.

When original application was by spray, preconditioning of touch up paint by running it through the spray tip will help touch up appearance.

SPECIFICATIONS

Block:
1 coat ConFlex Block Filler*
2 coats ProMar 200 Zero V.O.C. Interior Latex

Drywall:
1 coat ProMar 200 Zero V.O.C. Latex Primer
2 coats ProMar 200 Zero V.O.C. Interior Latex

Masonry:
1 coat Loxon Concrete & Masonry Primer*
2 coats ProMar 200 Zero V.O.C. Interior Latex

Plaster:
1 coat Loxon Concrete & Masonry Primer*
2 coats ProMar 200 Zero V.O.C. Interior Latex

Wood:
1 coat Premium Wall & Wood Primer*
2 coats ProMar 200 Zero V.O.C. Interior Latex

*These primers contain less than 50 grams per litre V.O.C.

Other primers may be appropriate.

When repainting involves a drastic color change, a coat of primer will improve the hiding performance of the topcoat color.

continued on back

ProMar® 200 Zero V.O.C.
Interior Latex Flat

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (**NIOSH** approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer/sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Caulking:

Gaps between walls, ceilings, crown moldings, and other interior trim can be filled with the appropriate caulk after priming the surface.

Drywall:

Fill cracks and holes with patching paste/ spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust.

Masonry, Concrete, Cement, Block:

All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces can be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer.

SURFACE PREPARATION

Mildew:

Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised. Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.

Plaster:

Bare plaster must be cured and hard. Textured, soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with clear water and allow to dry.

Wood:

Sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth.

CAUTIONS

For interior use only.
Protect from freezing.
Non-photochemically reactive.

Before using, carefully read **CAUTIONS on label**

CRYSTALLINE SILICA Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (**NIOSH** approved) or leave the area. Adequate ventilation required when sanding or abrading the dried film. If adequate ventilation cannot be provided wear an approved particulate respirator (**NIOSH** approved). Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.** Abrading or sanding of the dry film may release crystalline silica which has been shown to cause lung damage and cancer under long term exposure. WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

HOTW 09/04/2019 B30W02653 26 00
FRC,SP

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS.

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PTC-007-BM

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Paint - Ceiling
Item Type	Pre-Catalyzed Water-based Acrylic Epoxy
Description	Interior Ceiling & Soffit Paint
Manufacturer	Benjamin Moore
Model	Pre-Catalyzed Waterborne Epoxy
Dimensions	N/A
Color	Super White - Interior Redy Mix
Finish	Low Luster
CSI #	09 90 00 - Painting
Omniclass #	22 - 09 90 00
Best Practices	Low-VOC, UL Greenguard Certified
Quality Standards	Comply with Green Seal GS-11; MPI Architectural Painting Specification Manual; 40 CFR, Part 59, Subpart D 2001, National Volatile Organic Compound Emission Standards for Architectural Coatings
Eco-Feature(s) *as per manufacturer	Low VOC paint meets MPI #151
Product Type	Pre-Catalyzed Waterborne Epoxy
Finish	Low Luster
Lead Time	Standard lead times are 3-5 days from receipt of purchase order. Lead time should be confirmed by the manufacturer.
Warranty	Limited Lifetime
Notes	Drywall: Primer: 1 Coat Pro Green 200 Latex Wall Primer Finish: 2 Coats Pro Industrial Water Based Epoxy Finish: Low Luster CMU: Primer: 1 Coat Heavy Duty Block Filler Finish: 2 Coats Pro Industrial Water Based Epoxy Finish: Low Luster VOC Primer: Maxium 150 g/L VOC Top Coat: Maxium 50 g/L

SPECIAL INSTRUCTIONS

Primer, undercoat, block filler, finish coat(s) are to be compatible and of the same manufacturer. All primers and undercoats are to be tinted to 50% lighter than the selected and approved finish coat color. All finish coats are to be tinted 25% darker than the primer coat until approved finish coat color is achieved. When the color schedule calls for the use of DEEP TONES (interior and/or exterior), it is the responsibility of the painting contractor to utilize the appropriate Deep Base Primers as manufactured by the painting company for use on the substrate for which they are intended.

Required Wall Finish Levels:
All walls to receive VWC are to have a Level 3 (minimum) Gypsum Board Finish.
All walls to receive Paint (or light to med weight wall covering) are to have a level 4 Gypsum Board Finish.
All walls to receive Gloss, enamel paint, or Murals to have a Level 5 Gypsum Board Finish.

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

MANUFACTURER	AREAS
Vendor Name: Benjamin Moore Contact Name: Shipta Chawla Phone: (866) 708-9181 Email: Shipta.Chawla@benjaminmoore.com	Indoor Pool
ALTERNATE MANUFACTURER 2	
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Paint - Wall

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PTW-001-TD

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Interior Paint
Item Type	Interior Water-based Acrylic Latex Paint
Description	Interior Metal Paint - Not Galvanized, Not Shop Primed, Previously Painted or Shop Primed
Manufacturer	Sherwin Williams
Model	Solo 100% Acrylic Interior-Exterior (A76W00051)
Color	To match Tiger Drylac Brown C33
Finish	Semi-Gloss
CSI #	099000 - Painting
Omniclass #	22 - 099000 - Painting
Best Practices	Low-VOC, UL Greenguard Certified
Quality Standards	Interior paint: Comply with Green Seal GS-11; MPI Architectural Painting Specification Manual; 40 CFR, Part 59, Subpart D 2001, National Volatile Organic Compound Emission Standards for Architectural Coatings
Eco-Feature(s) *as per manufacturer	Formulated without lead, mercury or chromates.
Product Type	Solo 100% Acrylic Interior-Exterior (A76W00051)
Finish	Semi-Gloss
Lead Time	Standard lead times are 3-5 days from receipt of purchase order. Lead time should be confirmed by the manufacturer.
Warranty	Limited Lifetime
Notes	Primer, undercoat, block filler, finish coat(s) are to be compatible and of the same manufacturer. All primers and undercoats are to be tinted to 50% lighter than the selected and approved finish coat color. All finish coats are to be tinted 25% darker than the primer coat until approved finish coat color is achieved. When the color schedule calls for the use of DEEP TONES (interior and/or exterior), it is the responsibility of the painting contractor to utilize the appropriate Deep Base Primers as manufactured by the painting company for use on the substrate for which they are intended.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Sherwin Williams
Contact Name: Matt Wessel
Phone: (216) 515-7925
Email: mwessel@sherwin.com

AREAS

Buffet

ALTERNATE MANUFACTURER 2	
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

101.88

Solo®

100% Acrylic Interior-Exterior Semi-Gloss

A76-Series

CHARACTERISTICS

Solo 100% Acrylic Interior-Exterior creates a scrubbable finish that is resistant to burnishing, wearing, and blocking. **Solo** is excellent choice for specifications where 100% acrylic interior finishes are required. It is designed for use on doors, trim, walls, & shutters. **Solo** can be applied to surfaces with a pH up to 13.

Color: Most Colors

To optimize hide and color development, always use the recommended P-Shade primer

Coverage: 350-400 sq. ft. per gallon @ 4 mils wet; 1.5 mils dry

Drying Time, @ 77°F (25°C), 50% RH:

Touch:	1 Hour
Recoat:	4 Hours

Drying and recoat times are temperature, humidity, and film thickness dependent

Finish: 35-45 units @ 60°

Tinting with CCE only:

Base:	oz. per gallon:	Strength:
Extra White	0-6	SherColor
Deep Base	4-12	SherColor
Ultradeep Base	10-12	SherColor

Extra White A76W00051
(may vary by color)

V.O.C. (less exempt solvents):
less than 50 grams per litre; 0.42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids: 38 ± 2%

Weight Solids: 50 ± 2%

Weight per Gallon: 10.16 lbs (4.61 kg)

Flash Point: NA

Vehicle Type: 100% Acrylic

Shelf Life: 36 months unopened

WVP Perms (US): 52.42 grains/(hr ft^2 in Hg)

Mildew Resistant
This coating contains agents which inhibit the growth of mildew on the surface of this coating film.

COMPLIANCE

As of 07/28/2020, Complies with:

OTC	Yes
OTC Phase II	Yes
SCAQMD	Yes
CARB	Yes
CARB SCM 2007	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	No
MIR-Manufacturer Inventory	No
MPI®	Yes

APPLICATION

Apply at temperatures above 50°F (10°C). No reduction needed.

Brush:

Use a nylon-polyester brush.

Roller:

Use a 1/4 to 1/2 inch nap synthetic cover.

For specific brushes and rollers, please refer to our Brush and Roller Guide.

Spray—Airless

Pressure	2000 p.s.i.
Tip	.015-.021 inch

APPLICATION TIPS

Make sure product is completely agitated (mechanically or manually) before use.

SPECIFICATIONS

Apply 2 topcoats of Solo directly over existing properly prepared, interior or exterior coatings, or new interior bare drywall, plaster (cured with a pH of less than 13), masonry (cured with a pH of less than 13) and non-bleeding wood.

Interior

Drywall: Self-prime using 2 coats of Solo
or
1 coat ProMar 200 Zero V.O.C. Primer
2 coats Solo

Plaster: Self-prime using 2 coats of Solo
or
1 coat Loxon Concrete and Masonry Primer
2 coats Solo

Wood: Self-prime using 2 coats of Solo
or
1 coat Premium Wall and Wood Primer
2 coats Solo

Interior and Exterior

Aluminum, Galvanized & Steel:(if needed)
1 coat All Surface Enamel Latex Primer
2 coats Solo

Block:
1 coat ConFlex Block Filler
2 coats Solo

Masonry, Cement, Stucco:
1 coat Loxon Concrete and Masonry Primer
2 coats Solo

Exterior

Wood, Composition Board:
1 coat Exterior Oil-Based Wood Primer
or
1 coat Exterior Latex Wood Primer
2 coats Solo

Plywood:
1 coat Exterior Latex Wood Primer
2 coats Solo

Other primers may be appropriate.

When repainting involves a drastic color change, a coat of primer will improve the hiding performance of the topcoat color.

continued on back

Solo®

100% Acrylic Interior-Exterior Semi-Gloss

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (**NIOSH** approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer/sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Aluminum and Galvanized Steel:

Wash to remove any oil, grease, or other surface contamination. All corrosion must be removed with sandpaper, wire brush, or other abrading method.

Caulking:

Gaps between walls, ceilings, crown moldings, and other interior trim can be filled with the appropriate caulk after priming the surface.

Concrete Block:

All new surfaces must be cured according to recommendations—usually about 30 days. Rough surfaces can be filled with ConFlex Block Filler to provide a smooth surface. The filler must be thoroughly dry before topcoating.

Drywall:

Fill cracks and holes with patching paste/spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust.

Masonry, Concrete, Cement:

All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces can be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer.

Stucco:

Remove any loose stucco, efflorescence, or laitance. Allow new stucco to cure at least 30 days before painting. If painting cannot wait 30 days, allow the surface to dry 7 days and prime with Loxon Concrete & Masonry Primer. Repair cracks, voids, and other holes with an elastomeric patch or sealant.

SURFACE PREPARATION

Mildew:

Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.

Steel:

Rust and mill scale must be removed using sandpaper, wire brush, or other abrading method. Bare steel must be primed the same day as cleaned.

Plaster:

Must be cured, usually 30 days, and hard. If painting cannot wait, allow the surface to dry 7 days and prime with Loxon Concrete and Masonry Primer. Soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with water and allow to dry before painting.

Vinyl or other PVC Building Products :

Clean the surface thoroughly by scrubbing with warm, soapy water. Rinse thoroughly, prime with appropriate white primer. Do not paint vinyl with any color darker than the original color. Do not paint vinyl with a color having a Light Reflective Value (LRV) of less than 56. Painting with darker colors lower than an LRV of 56 may cause vinyl to warp. Follow all painting guidelines of the vinyl manufacturer when painting. Only paint properly installed vinyl siding. Deviating from the manufacturer's painting guidelines may cause the warranty to be voided.

Wood, Plywood, Composition Board:

Clean the surface thoroughly then sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth. All patched areas must be primed. Knots and some woods, such as redwood and cedar, contain a high amount of tannin, a colored wood extract. If applied to these bare woods, it may show some staining.

Exterior: If staining persists, spot prime severe areas with 1 coat of Exterior Oil-Based Wood Primer prior to using.

Interior: If staining persists, spot prime severe areas with 1 coat of Multi-Purpose Oil-Based Primer.

CAUTIONS

Protect from freezing.
Non-photochemically reactive.

Before using, carefully read **CAUTIONS on label**

Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (**NIOSH** approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

HOTW 07/28/2020 A76W00051 25 03 FRC,SP

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

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Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PTW-002-SW

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Paint - Wall
Item Type	Interior Water-based Acrylic Latex Paint
Description	Interior Gypsum Board Wall Paint
Manufacturer	Sherwin Williams
Model	ProMar 200 ZeroVOC Interior Latex (B30 Series)
Dimensions	N/A
Color	SW7649 Silverplate
Finish	Eg-Shell
CSI #	099000 - Painting
Omniclass #	22-099000
Best Practices	Low-VOC, UL Greenguard Certified
Quality Standards	Interior paint: Comply with Green Seal GS-11; MPI Architectural Painting Specification Manual; 40 CFR, Part 59, Subpart D 2001, National Volatile Organic Compound Emission Standards for Architectural Coatings
Eco-Feature(s) *as per manufacturer	Zero VOCs meets the most stringent VOC requirements. GREENGUARD Environmental Institute (GEI) and other green guidelines and regulations. ProMar 200 Zero VOC Flat meets MPI 53 and 143.
Product Type	ProMar 200 ZeroVOC Interior Latex (B30W12651)
Finish	Eg-Shel
Lead Time	Standard lead times are 3-5 days from receipt of purchase order. Lead time should be confirmed by the manufacturer.
Warranty	Limited Lifetime

SPECIAL INSTRUCTIONS

Primer, undercoat, block filler, finish coat(s) are to be compatible and of the same manufacturer. All primers and undercoats are to be tinted to 50% lighter than the selected and approved finish coat color. All finish coats are to be tinted 25% darker than the primer coat until approved finish coat color is achieved. When the color schedule calls for the use of DEEP TONES (interior and/or exterior), it is the responsibility of the painting contractor to utilize the appropriate Deep Base Primers as manufactured by the painting company for use on the substrate for which they are intended.

Required Wall Finish Levels:
All walls to receive VWC are to have a Level 3 (minimum) Gypsum Board Finish.
All walls to receive Paint (or light to medium weight wall covering) are to have a Level 4 Gypsum Board Finish. All walls to receive Gloss, Enamel Paint, or Murals
to have a Level 5 Gypsum Board Finish.

MANUFACTURER

Vendor Name: Sherwin Williams
Contact Name: Matt Wessel
Phone: (216) 515-7925

AREAS

Public Restrooms
Entrance Vestibule
Employee Areas

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PTW-002-SW

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Email: mwessel@sherwin.com	Administration Stairs Guest Laundry Corridors Elevator Lobby Breakfast Fitness Center
ALTERNATE MANUFACTURER 2	
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

101.83A

ProMar® 200 Zero V.O.C.
Interior Latex Eg-Shel

B20-2600 Series

CHARACTERISTICS

ProMar 200 Zero V.O.C. Interior Latex Eg-Shel is a durable, professional quality, interior vinyl acrylic finish for use on walls, ceilings, and trim of primed plaster, wallboard, wood, masonry, and primed metal.

Color: Most Colors

To optimize hide and color development, always use the recommended P-Shade primer

Coverage: 350 - 400 sq. ft. per gallon @ 4 mils wet; 1.7 mils dry

Drying Time, @ 77°F, 50% RH:

Touch:	1 Hour
Recoat:	4 Hours

Drying and recoat times are temperature, humidity, and film thickness dependent

Finish: 15-20 units @ 85°
5+ units @60°

Tinting with CCE only:

Base:	oz. per gallon	Strength:
High Ref White	0-6	SherColor
Extra White	0-7	SherColor
Deep Base	4-12	SherColor
Ultradeep Base	10-12	SherColor
Real Red	0-12	SherColor
Bright Yellow	0-12	SherColor
Dover White		do not tint

Extra White B20W12651
(may vary by color)

V.O.C. (less exempt solvents):
less than 50 grams per litre; 0.42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids: 42 ± 2%

Weight Solids: 54 ± 2%

Weight per Gallon: 10.82 lbs

Flash Point: N/A

Vehicle Type: Vinyl Acrylic

Shelf Life: 36 months unopened

WVP Perms (US): 54.19 grains/(hr ft2 in Hg)

Anti-microbial
This product contains agents which inhibit the growth of mold and mildew on the surface of this paint film.

COMPLIANCE

As of 08/10/2020, Complies with:

OTC	Yes
OTC Phase II	Yes
SCAQMD	Yes
CARB	Yes
CARB SCM 2007	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	Yes
MIR-Product Lens Certified	Yes
MPI®	Yes

APPLICATION

Apply at temperatures above 50°F.
No reduction needed.

Brush:

Use a nylon-polyester brush.

Roller:

Use a 3/8 to 3/4 inch nap synthetic cover.

For specific brushes and rollers, please refer to our Brush and Roller Guide on sherwin-williams.com

Spray—Airless

Pressure	2000 p.s.i.
Tip	.017-.021 inch

APPLICATION TIPS

Make sure product is completely agitated (mechanically or manually) before use.

Priming and application of two coats at the recommended film thickness can help where hiding of a previous coating or application to new drywall is a factor.

Using the same method of application and batch to touch up with as that originally used will help improve touch up.

When original application was by spray, preconditioning of touch up paint by running it through the spray tip will help touch up appearance.

SPECIFICATIONS

Block:
1 coat ConFlex Block Filler*
2 coats ProMar 200 Zero V.O.C. Interior Latex

Drywall:
1 coat ProMar 200 Zero V.O.C. Latex Primer
2 coats ProMar 200 Zero V.O.C. Interior Latex

Masonry:
1 coat Loxon Concrete & Masonry Primer*
2 coats ProMar 200 Zero V.O.C. Interior Latex

Plaster:
1 coat Loxon Concrete & Masonry Primer*
2 coats ProMar 200 Zero V.O.C. Interior Latex

Wood:
1 coat Premium Wall & Wood Primer*
2 coats ProMar 200 Zero V.O.C. Interior Latex

*These primers contain less than 50 grams per litre V.O.C.

Other primers may be appropriate.

When repainting involves a drastic color change, a coat of primer will improve the hiding performance of the topcoat color.

continued on back

ProMar® 200 Zero V.O.C.
Interior Latex Eg-Shel

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (**NIOSH** approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer-sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Caulking:

Gaps between walls, ceilings, crown moldings, and other interior trim can be filled with the appropriate caulk after priming the surface.

Drywall:

Fill cracks and holes with patching paste/ spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust.

Masonry, Concrete, Cement, Block:

All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces can be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer.

SURFACE PREPARATION

Mildew:

Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

Plaster:

Bare plaster must be cured and hard. Textured, soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with clear water and allow to dry.

Wood:

Sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth.

CAUTIONS

For interior use only.
Protect from freezing.
Non-photochemically reactive.

Before using, carefully read **CAUTIONS on label**

CRYSTALLINE SILICA Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (**NIOSH** approved) or leave the area. Adequate ventilation required when sanding or abrading the dried film. If adequate ventilation cannot be provided wear an approved particulate respirator (**NIOSH** approved). Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.** Abrading or sanding of the dry film may release crystalline silica which has been shown to cause lung damage and cancer under long term exposure. WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

HOTW 08/10/2020 B20T02654 31 00
FRC,SP

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

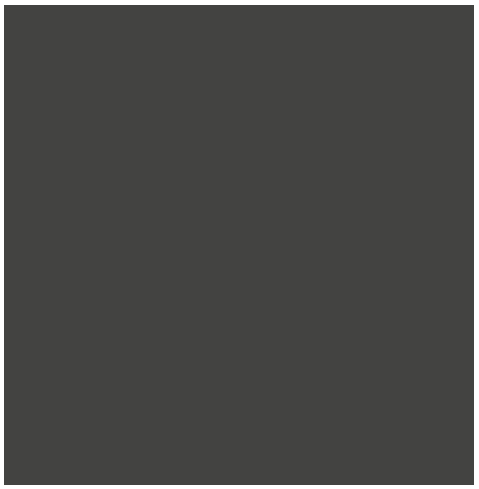
The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS.

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PTW-006-SW

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:



Item Name	Paint - Wall
Item Type	Interior Water-based Acrylic Latex Paint
Description	Interior Gypsum Board Wall Paint
Manufacturer	Sherwin Williams
Model	ProMar 200 ZeroVOC Interior Latex (B20 Series)
Color	SW7069 Iron Ore
Finish	Eg-Shel
CSI #	099000 - Painting
Omniclass #	22-099000
Best Practices	Low-VOC, UL Greenguard Certified
Quality Standards	Interior paint: Comply with Green Seal GS-11; MPI Architectural Painting Specification Manual; 40 CFR, Part 59, Subpart D 2001, National Volatile Organic Compound Emission Standards for Architectural Coatings
Eco-Feature(s) *as per manufacturer	Formulated without lead, mercury or chromates.
Product Type	ProMar 200 ZeroVOC Interior Latex (B20W12651)
Finish	Eg-Shel
Lead Time	Standard lead times are 3-5 days from receipt of purchase order. Lead time should be confirmed by the manufacturer.
Warranty	Limited Lifetime

SPECIAL INSTRUCTIONS

Primer, undercoat, block filler, finish coat(s) are to be compatible and of the same manufacturer. All primers and undercoats are to be tinted to 50% lighter than the selected and approved finish coat color. All finish coats are to be tinted 25% darker than the primer coat until approved finish coat color is achieved. When the color schedule calls for the use of DEEP TONES (interior and/or exterior), it is the responsibility of the painting contractor to utilize the appropriate Deep Base Primers as manufactured by the painting company for use on the substrate for which they are intended.
Required Wall Finish Levels:
All walls to receive VWC are to have a Level 3 (minimum) Gypsum Board Finish.
All walls to receive Paint (or light to medium weight wall covering) are to have a Level 4 Gypsum Board Finish. All walls to receive Gloss, Enamel Paint, or Murals
to have a Level 5 Gypsum Board Finish.

MANUFACTURER

Vendor Name: Sherwin Williams
Contact Name: Matt Wessel
Phone: (216) 515-7925
Email: mwessel@sherwin.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

AREAS

Fitness Center
Reception
Corridors
Elevator Lobby

ALTERNATE MANUFACTURER 4	

101.83A

ProMar® 200 Zero V.O.C.
Interior Latex Eg-Shel

B20-2600 Series

CHARACTERISTICS

ProMar 200 Zero V.O.C. Interior Latex Eg-Shel is a durable, professional quality, interior vinyl acrylic finish for use on walls, ceilings, and trim of primed plaster, wallboard, wood, masonry, and primed metal.

Color: Most Colors

To optimize hide and color development, always use the recommended P-Shade primer

Coverage: 350 - 400 sq. ft. per gallon @ 4 mils wet; 1.7 mils dry

Drying Time, @ 77°F, 50% RH:

Touch:	1 Hour
Recoat:	4 Hours

Drying and recoat times are temperature, humidity, and film thickness dependent

Finish: 15-20 units @ 85°
5+ units @60°

Tinting with CCE only:

Base:	oz. per gallon	Strength:
High Ref White	0-6	SherColor
Extra White	0-7	SherColor
Deep Base	4-12	SherColor
Ultradeep Base	10-12	SherColor
Real Red	0-12	SherColor
Bright Yellow	0-12	SherColor
Dover White		do not tint

Extra White B20W12651
(may vary by color)

V.O.C. (less exempt solvents):
less than 50 grams per litre; 0.42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids: 42 ± 2%

Weight Solids: 54 ± 2%

Weight per Gallon: 10.82 lbs

Flash Point: N/A

Vehicle Type: Vinyl Acrylic

Shelf Life: 36 months unopened

WVP Perms (US): 54.19 grains/(hr ft2 in Hg)

Anti-microbial
This product contains agents which inhibit the growth of mold and mildew on the surface of this paint film.

COMPLIANCE

As of 08/10/2020, Complies with:

OTC	Yes
OTC Phase II	Yes
SCAQMD	Yes
CARB	Yes
CARB SCM 2007	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	Yes
MIR-Product Lens Certified	Yes
MPI®	Yes

APPLICATION

Apply at temperatures above 50°F.
No reduction needed.

Brush:

Use a nylon-polyester brush.

Roller:

Use a 3/8 to 3/4 inch nap synthetic cover.

For specific brushes and rollers, please refer to our Brush and Roller Guide on sherwin-williams.com

Spray—Airless

Pressure	2000 p.s.i.
Tip	.017-.021 inch

APPLICATION TIPS

Make sure product is completely agitated (mechanically or manually) before use.

Priming and application of two coats at the recommended film thickness can help where hiding of a previous coating or application to new drywall is a factor.

Using the same method of application and batch to touch up with as that originally used will help improve touch up.

When original application was by spray, preconditioning of touch up paint by running it through the spray tip will help touch up appearance.

SPECIFICATIONS

Block:
1 coat ConFlex Block Filler*
2 coats ProMar 200 Zero V.O.C. Interior Latex

Drywall:
1 coat ProMar 200 Zero V.O.C. Latex Primer
2 coats ProMar 200 Zero V.O.C. Interior Latex

Masonry:
1 coat Loxon Concrete & Masonry Primer*
2 coats ProMar 200 Zero V.O.C. Interior Latex

Plaster:
1 coat Loxon Concrete & Masonry Primer*
2 coats ProMar 200 Zero V.O.C. Interior Latex

Wood:
1 coat Premium Wall & Wood Primer*
2 coats ProMar 200 Zero V.O.C. Interior Latex

*These primers contain less than 50 grams per litre V.O.C.

Other primers may be appropriate.

When repainting involves a drastic color change, a coat of primer will improve the hiding performance of the topcoat color.

continued on back

ProMar® 200 Zero V.O.C.
Interior Latex Eg-Shel

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (**NIOSH** approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer-sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Caulking:

Gaps between walls, ceilings, crown moldings, and other interior trim can be filled with the appropriate caulk after priming the surface.

Drywall:

Fill cracks and holes with patching paste/ spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust.

Masonry, Concrete, Cement, Block:

All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces can be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer.

SURFACE PREPARATION

Mildew:

Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

Plaster:

Bare plaster must be cured and hard. Textured, soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with clear water and allow to dry.

Wood:

Sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth.

CAUTIONS

For interior use only.
Protect from freezing.
Non-photochemically reactive.

Before using, carefully read **CAUTIONS on label**

CRYSTALLINE SILICA Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (**NIOSH** approved) or leave the area. Adequate ventilation required when sanding or abrading the dried film. If adequate ventilation cannot be provided wear an approved particulate respirator (**NIOSH** approved). Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.** Abrading or sanding of the dry film may release crystalline silica which has been shown to cause lung damage and cancer under long term exposure. WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

HOTW 08/10/2020 B20T02654 31 00
FRC,SP

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS.

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PTW-011-SW

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Paint - Wall
Item Type	Interior Water-based Acrylic Latex Paint
Description	Interior Gypsum Board Wall Paint
Manufacturer	Sherwin Williams
Model	ProMar 200 ZeroVOC Interior Latex (B20 Series)
Color	SW6258 Tricorn Black
Finish	Eg-Shel
CSI #	099000 - Painting
Omniclass #	22-099000
Best Practices	Low-VOC, UL Greenguard Certified
Quality Standards	Interior paint: Comply with Green Seal GS-11; MPI Architectural Painting Specification Manual; 40 CFR, Part 59, Subpart D 2001, National Volatile Organic Compound Emission Standards for Architectural Coatings
Eco-Feature(s) *as per manufacturer	Formulated without lead, mercury or chromates.
Product Type	ProMar 200 ZeroVOC Interior Latex (B20W12651)
Finish	Eg-Shel
Lead Time	Standard lead times are 3-5 days from receipt of purchase order. Lead time should be confirmed by the manufacturer.
Warranty	Limited Lifetime

SPECIAL INSTRUCTIONS

Primer, undercoat, block filler, finish coat(s) are to be compatible and of the same manufacturer. All primers and undercoats are to be tinted to 50% lighter than the selected and approved finish coat color. All finish coats are to be tinted 25% darker than the primer coat until approved finish coat color is achieved. When the color schedule calls for the use of DEEP TONES (interior and/or exterior), it is the responsibility of the painting contractor to utilize the appropriate Deep Base Primers as manufactured by the painting company for use on the substrate for which they are intended.

Required Wall Finish Levels:
All walls to receive VWC are to have a Level 3 (minimum) Gypsum Board Finish.
All walls to receive Paint (or light to medium weight wall covering) are to have a Level 4 Gypsum Board Finish. All walls to receive Gloss, Enamel Paint, or Murals
to have a Level 5 Gypsum Board Finish.

MANUFACTURER

Vendor Name: Sherwin Williams
Contact Name: Matt Wessel
Phone: (216) 515-7925
Email: mwessel@sherwin.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

AREAS

Lobby

ALTERNATE MANUFACTURER 4	

101.83A

ProMar® 200 Zero V.O.C.
Interior Latex Eg-Shel

B20-2600 Series

CHARACTERISTICS

ProMar 200 Zero V.O.C. Interior Latex Eg-Shel is a durable, professional quality, interior vinyl acrylic finish for use on walls, ceilings, and trim of primed plaster, wallboard, wood, masonry, and primed metal.

Color: Most Colors

To optimize hide and color development, always use the recommended P-Shade primer

Coverage: 350 - 400 sq. ft. per gallon @ 4 mils wet; 1.7 mils dry

Drying Time, @ 77°F, 50% RH:

Touch:	1 Hour
Recoat:	4 Hours

Drying and recoat times are temperature, humidity, and film thickness dependent

Finish: 15-20 units @ 85°
5+ units @60°

Tinting with CCE only:

Base:	oz. per gallon	Strength:
High Ref White	0-6	SherColor
Extra White	0-7	SherColor
Deep Base	4-12	SherColor
Ultradeep Base	10-12	SherColor
Real Red	0-12	SherColor
Bright Yellow	0-12	SherColor
Dover White		do not tint

Extra White B20W12651
(may vary by color)

V.O.C. (less exempt solvents):
less than 50 grams per litre; 0.42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids: 42 ± 2%

Weight Solids: 54 ± 2%

Weight per Gallon: 10.82 lbs

Flash Point: N/A

Vehicle Type: Vinyl Acrylic

Shelf Life: 36 months unopened

WVP Perms (US): 54.19 grains/(hr ft2 in Hg)

Anti-microbial
This product contains agents which inhibit the growth of mold and mildew on the surface of this paint film.

COMPLIANCE

As of 08/10/2020, Complies with:

OTC	Yes
OTC Phase II	Yes
SCAQMD	Yes
CARB	Yes
CARB SCM 2007	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	Yes
MIR-Product Lens Certified	Yes
MPI®	Yes

APPLICATION

Apply at temperatures above 50°F.
No reduction needed.

Brush:

Use a nylon-polyester brush.

Roller:

Use a 3/8 to 3/4 inch nap synthetic cover.

For specific brushes and rollers, please refer to our Brush and Roller Guide on sherwin-williams.com

Spray—Airless

Pressure	2000 p.s.i.
Tip	.017-.021 inch

APPLICATION TIPS

Make sure product is completely agitated (mechanically or manually) before use.

Priming and application of two coats at the recommended film thickness can help where hiding of a previous coating or application to new drywall is a factor.

Using the same method of application and batch to touch up with as that originally used will help improve touch up.

When original application was by spray, preconditioning of touch up paint by running it through the spray tip will help touch up appearance.

SPECIFICATIONS

Block:
1 coat ConFlex Block Filler*
2 coats ProMar 200 Zero V.O.C. Interior Latex

Drywall:
1 coat ProMar 200 Zero V.O.C. Latex Primer
2 coats ProMar 200 Zero V.O.C. Interior Latex

Masonry:
1 coat Loxon Concrete & Masonry Primer*
2 coats ProMar 200 Zero V.O.C. Interior Latex

Plaster:
1 coat Loxon Concrete & Masonry Primer*
2 coats ProMar 200 Zero V.O.C. Interior Latex

Wood:
1 coat Premium Wall & Wood Primer*
2 coats ProMar 200 Zero V.O.C. Interior Latex

*These primers contain less than 50 grams per litre V.O.C.

Other primers may be appropriate.

When repainting involves a drastic color change, a coat of primer will improve the hiding performance of the topcoat color.

continued on back

ProMar® 200 Zero V.O.C.
Interior Latex Eg-Shel

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (**NIOSH** approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer-sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Caulking:

Gaps between walls, ceilings, crown moldings, and other interior trim can be filled with the appropriate caulk after priming the surface.

Drywall:

Fill cracks and holes with patching paste/ spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust.

Masonry, Concrete, Cement, Block:

All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces can be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer.

SURFACE PREPARATION

Mildew:

Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

Plaster:

Bare plaster must be cured and hard. Textured, soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with clear water and allow to dry.

Wood:

Sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth.

CAUTIONS

For interior use only.
Protect from freezing.
Non-photochemically reactive.

Before using, carefully read **CAUTIONS on label**

CRYSTALLINE SILICA Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (**NIOSH** approved) or leave the area. Adequate ventilation required when sanding or abrading the dried film. If adequate ventilation cannot be provided wear an approved particulate respirator (**NIOSH** approved). Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.** Abrading or sanding of the dry film may release crystalline silica which has been shown to cause lung damage and cancer under long term exposure. WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

HOTW 08/10/2020 B20T02654 31 00
FRC,SP

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS.

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PTW-012-BM

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Paint - Wall
Item Type	Pre-Catalyzed Water-based Acrylic Epoxy
Description	Interior Wall Paint at Indoor Pool
Manufacturer	Benjamin Moore
Model	Pre-Catalyzed Waterborne Epoxy (V341)
Color	Moonshine OC-56
Finish	Semi-Gloss
CSI #	099000 - Painting
Omniclass #	22-099000
Best Practices	Low-VOC, UL Greenguard Certified
Quality Standards	Comply with Green Seal GS-11 and MPI Architectural Painting Specification Manual
Eco-Feature(s) *as per manufacturer	Low VOC paint meets MPI #151
Product Type	Pre-Catalyzed Waterborne Epoxy (V341)
Finish	Semi-Gloss
Lead Time	Standard lead times are 3-5 days from receipt of purchase order. Lead time should be confirmed by the manufacturer.
Warranty	Limited Lifetime

SPECIAL INSTRUCTIONS

Primer, undercoat, block filler, finish coat(s) are to be compatible and of the same manufacturer. All primers and undercoats are to be tinted to 50% lighter than the selected and approved finish coat color. All finish coats are to be tinted 25% darker than the primer coat until approved finish coat color is achieved. When the color schedule calls for the use of DEEP TONES (interior and/or exterior), it is the responsibility of the painting contractor to utilize the appropriate Deep Base Primers as manufactured by the painting company for use on the substrate for which they are intended.

Required Wall Finish Levels:
All walls to receive VWC are to have a Level 3 (minimum) Gypsum Board Finish. All walls to receive Paint (or light to med weight wall covering) are to have a level 4 Gypsum Board Finish. All walls to receive Gloss, enamel paint, or Murals to have a Level 5 Gypsum Board Finish.

MANUFACTURER

Vendor Name: Benjamin Moore
Contact Name: Shipta Chawla
Phone: (866) 708-9181
Email: Shipta.Chawla@benjaminmoore.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Indoor Pool

Benjamin Moore

COROTECH HIGH PERFORMANCE

PRE-CATALYZED
WATERBORNE EPOXY SEMI-GLOSS
V341

Features

- Pre-catalyzed, waterborne acrylic epoxy
- Single pack – no catalyst
- Tints to all colors
- Excellent for retail, commercial, healthcare, schools and more
- Low VOC and water cleanup

General Description

This unique product provides epoxy toughness in a ready-to-use waterborne formula for walls, ceilings and trim. Low VOC and water cleanup make this product ideal for use in occupied areas. The cured film is scrubbable, resists water and common cleaning chemicals, and stands up to abrasion and marring. Excellent adhesion to many surfaces, including existing paint, drywall, primed masonry and primed metal.

Recommended For

Properly Prepared and/or Primed Steel, Iron, Concrete, Non-Ferrous Metals, Wood & Drywall. Corotech® V341 Pre-Catalyzed Waterborne Epoxy is designed for interior use in food and beverage processing, chemical processing, transportation, warehouses, industrial refurbishment, healthcare, schools, large commercial structures and other areas where a high performance epoxy is needed, which concerns that accompany conventional solvent thinned epoxies.

Limitations

- Do not apply if material, substrate or ambient temperature is below 50 °F (10 °C). The relative humidity should be below 90%.
- Not recommended for floors or for use in immersion service.
- Interior Use Only

Product Information

Colors — Standard:

White (01)

— Tint Bases:

Pastel Base (85), Tint Base (86), Deep Base (87), Clear Base (88)

Tint with Universal Colorants Only

— Special Colors:

Contact your retailer.

Certifications & Qualifications:

The products supported by this data sheet contain a maximum of 100 grams per liter VOC / VOS (0.83 lbs. /gal.) excluding water & exempt solvents.

Suitable for use in USDA inspected facilities

CDPH v1 Emission Certified

Qualifies for CHPS low emitting credit (Collaborative for High Performance Schools)

VOC REGION	COMPLIANT
FEDERAL	YES
OTC	YES
OTCII	YES
CARB	YES
CARB07	YES
UTAH	YES
AZMC	YES
SCAQMD	NO

Technical Assistance

Available through your local authorized independent Benjamin Moore retailer. For the location of the retailer nearest you, call 1-866-708-9180 or visit www.benjaminmoore.com

Technical Data◊		White
Vehicle Type		Pre-Catalyzed WB Acrylic Epoxy
Pigment Type		Titanium Dioxide
Volume Solids		41.5 ± 1.0%
Coverage per Gallon at Recommended Film Thickness		350 – 450 Sq. Ft.
Recommended Film Thickness	– Wet	3.6 - 4.6 mils
	– Dry	1.5 – 1.9 mils
Depending on surface texture and porosity.		
Dry Time @77 °F (25 °C) @ 50% RH	– Tack Free	1 Hour
	– To Recoat	2 Hours
	– Full Cure	72 Hours
High humidity and cool temperatures will result in longer dry, recoat and service times.		
Dries By		Evaporation/Oxidation
Viscosity		95 – 100 KU
Flash Point		Greater than 200°F (TT-P-141, Method 4293)
Gloss/Sheen		Semi-Gloss (55 - 65 @ 60°)
Surface Temperature at Application	– Min.	50 °F
	– Max.	90 °F
Thin With		Water
Clean Up Thinner		Warm, Soapy Water
Weight Per Gallon		10.3 lbs.
Storage Temperature	– Min.	45 °F
	– Max.	95 °F

Volatile Organic Compounds (VOC)

71 Grams/Liter 0.59 Lbs./Gallon

◊ Reported values are for White. Contact retailer for values of other bases or colors.

Pre-Catalyzed Waterborne Epoxy Semi-Gloss V341

Surface Preparation

All surfaces must be sound, dry, clean and free of oil, grease, dirt, mildew, mill scale, form release agents, curing compounds, loose and flaking paint and other surface contaminants. Clean with Corotech® V600 Oil & Grease Emulsifier or V610 Citrus Based Cleaner. Remove all loose and peeling paint by wire brushing, scraping or sanding. Fill holes and cracks and sand smooth. Dull glossy surfaces by sanding. Moderate to heavily rusted surfaces must be thoroughly cleaned and properly primed.

NEW SURFACES: Concrete and Masonry: All vertical masonry surfaces must be allowed to cure a minimum of 30 days before painting. Acid etch or abrasive blast all slick, glazed concrete or concrete with laitance. For acid etching, follow all manufacturer's directions and safety instructions. We recommend Corotech® V620 Concrete Etch. Rinse thoroughly and allow to dry. Prime with one coat of Insl-x® Aqua Lock® Plus Primer Sealer.

Steel and Ferrous Metals: The use of Corotech® V110 Acrylic Metal Primer or V175 Waterborne Bonding Primer is recommended. All primers provide maximum performance over near white metal blasted surfaces (SSPCSP 10). There are however, situations and cost considerations that may prevent this type of surface preparation from being done. Corotech® Industrial Coatings have been designed to provide protection over less than ideal surfaces. The recommended standard is a commercial blast (SSPC-SP 6). The steel profile after the blast should be 1-2 mils and be jagged in nature. Surfaces must be free of grit dust. The coating should be applied as soon as possible after the blast in order to prevent flash rusting or surface contamination. Hand tool cleaning (SSPC-SP 2) or power tool cleaning (SSPC-SP 3) can be used if blasting is not possible. In areas where adequate surface preparation is not possible the use of V155 100% Solid Epoxy Pre-Primer is recommended. In highly corrosive areas where additional rust inhibitive qualities are required, prime with one coat of V170 Organic Zinc-Rich Primer prior to applying epoxy coatings.

Galvanized and Non-Ferrous Metals: Remove all oils from surface with Corotech® V600 Oil & Grease emulsifier. Solvent clean all surfaces [SSPC-SP 1]. Apply one coat of Corotech® V110 Acrylic Metal Primer or V175 Waterborne Bonding Primer.

Wood: Sand surfaces. Primer with Insl-x® Prime Lock Plus Alkyd Primer or Aqua Lock® Plus Acrylic Primer Sealer.

Drywall: Insure drywall is dust & chalk free. Prime with an acrylic drywall primer.

Previously Painted Surfaces: Can be applied over most existing industrial finishes in good condition.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Informational Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead .

Application

Airless Spray (Preferred Method): Tip range between .015 and .019. Total fluid output pressure at tip should not be less than 2400 psi.

Air Spray (Pressure Pot): DeVilbis MBC or JGA gun, with 704 or 765 air cap and Fluid Tip E.

Brush: Synthetic Bristle only. / **Roller:** Synthetic Cover. 3/8" – 3/4" nap.

NOTE: Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with warm water. No reduction is necessary. Do not apply if material, substrate or ambient temperature is below 50 °F (10 °C). Relative humidity should be below 90%.

CHEMICAL RESISTANCE GUIDE (NON-IMMERSION) *	
Hot Water	Excellent
Fresh Water	Excellent
Alcohol	Excellent
Vinegar	Excellent
Strong Alkalis (NaOH)	Excellent
Solvent (Xylene / M.S.)	Excellent
Industrial Cleaners	Excellent
*** Ratings as compared to traditional high performance architectural coatings**	

TEST DATA	
Flexibility (ASTM D1737)	Pass 1/8" Mandrel
Sag Resistance	6+ mils
Scrub Resistance	600+ cycles
Dry Heat Resistance	200°F
Wet Heat Resistance	150°F
Adhesion (ASTM D3359)	Passes 5B
Pencil Hardness (2 week cure)	<6B
Block Resistance	Passes
Accelerated Weathering (ASTM G53) 500 Hrs	90% Gloss Retention < 0.25 DE Color Change
Abrasion Resistance (ASTM D4060) CS-10 Wheel, 1000g load	100 mg Loss
Salt Spray (ASTM B117) 2 coats over V110 primer (1000 Hours)	Rust Breakthrough: 10 Rust Area: 0.01%

SYSTEMS RECOMMENDATIONS	
PRIMERS	
Ferrous Metal (Blasted)	V110 Line, V150 Line, V155-00 or V160 Line
Ferrous Metal (Marginally Prepared)	V155-00 or V160 Line
Non-Ferrous Metal	V110 Line or V175-00
Concrete	V110 Line, V114-01, V155-00, V160 Line, V163-01, V400-00 Clear or Aqua Lock™ Primer Sealer
Drywall	Use Aqua Lock™ Primer Sealer or a good quality acrylic drywall primer
Wood	Use Prime Lock™ Alkyd Primer or Aqua Lock Acrylic Primer Sealer
Aged coatings	Use Direct (Check Compatibility) or use V110 Line as a barrier Coat
COMPATIBLE INTERMEDIATES	
V160 Line, V163-01	
For substrates other than listed above, or for usage in severe environmental conditions, please consult with Corotech® Technical Service.	

Clean Up

Clean with warm, soapy water.

Environmental Health & Safety Information

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Keep container closed when not in use. In case of spillage, absorb with inert material and dispose of in accordance with local regulations. Wash thoroughly after handling. Refer to Safety Data Sheet for additional health and safety information.

WARNING Cancer and Reproductive Harm– www.P65warnings.ca.gov

This document represents hazards of the product referenced above. Refer to the individual Safety Data Sheet for hazards of the specific product you will be using.

KEEP OUT OF REACH OF CHILDREN
KEEP FROM FREEZING

Refer to Safety Data Sheet for additional health and safety information.

Benjamin Moore & Co., 101 Paragon Drive, Montvale, NJ 07645 Tel: 866-708-9180 Fax: 888-248-2143 www.benjaminmoore.com M72 V341 EN 080318
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Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PTW-013-SW

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Paint - Wood
Item Type	Interior Water-based Acrylic Latex Paint
Description	Interior Wood Millwork Paint
Manufacturer	Sherwin Williams
Model	Solo 100% Acrylic Interior-Exterior (A76 Series)
Color	SW7068 Grizzle Gray
Finish	Semi-gloss
CSI #	099000 - Painting
Omniclass #	22-099000
Best Practices	Low-VOC, UL Greenguard Certified
Quality Standards	Interior paint: Comply with Green Seal GS-11; MPI Architectural Painting Specification Manual; 40 CFR, Part 59, Subpart D 2001, National Volatile Organic Compound Emission Standards for Architectural Coatings
Eco-Feature(s) *as per manufacturer	Formulated without lead, mercury or chromates.
Product Type	Solo 100% Acrylic Interior-Exterior (A76W00051)
Finish	Semi-gloss
Lead Time	Standard lead times are 3-5 days from receipt of purchase order. Lead time should be confirmed by the manufacturer.
Warranty	Limited Lifetime

SPECIAL INSTRUCTIONS

Primer, undercoat, block filler, finish coat(s) are to be compatible and of the same manufacturer. All primers and undercoats are to be tinted to 50% lighter than the selected and approved finish coat color. All finish coats are to be tinted 25% darker than the primer coat until approved finish coat color is achieved. When the color schedule calls for the use of DEEP TONES (interior and/or exterior), it is the responsibility of the painting contractor to utilize the appropriate Deep Base Primers as manufactured by the painting company for use on the substrate for which they are intended.

Required Wall Finish Levels:
All walls to receive VWC are to have a Level 3 (minimum) Gypsum Board Finish.
All walls to receive Paint (or light to medium weight wall covering) are to have a Level 4 Gypsum Board Finish.
All walls to receive Gloss, Enamel Paint, or Murals to have a Level 5 Gypsum Board Finish.

MANUFACTURER

Vendor Name: Sherwin Williams
Contact Name: Matt Wessel
Phone: (216) 515-7925
Email: mwessel@sherwin.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

AREAS

Hub
Lobby

ALTERNATE MANUFACTURER 4	

101.88

Solo®

100% Acrylic Interior-Exterior Semi-Gloss

A76-Series

CHARACTERISTICS

Solo 100% Acrylic Interior-Exterior creates a scrubbable finish that is resistant to burnishing, wearing, and blocking. **Solo** is excellent choice for specifications where 100% acrylic interior finishes are required. It is designed for use on doors, trim, walls, & shutters. **Solo** can be applied to surfaces with a pH up to 13.

Color: Most Colors

To optimize hide and color development, always use the recommended P-Shade primer

Coverage: 350-400 sq. ft. per gallon @ 4 mils wet; 1.5 mils dry

Drying Time, @ 77°F (25°C), 50% RH:

Touch:	1 Hour
Recoat:	4 Hours

Drying and recoat times are temperature, humidity, and film thickness dependent

Finish: 35-45 units @ 60°

Tinting with CCE only:

Base:	oz. per gallon:	Strength:
Extra White	0-6	SherColor
Deep Base	4-12	SherColor
Ultradeep Base	10-12	SherColor

Extra White A76W00051
(may vary by color)

V.O.C. (less exempt solvents):
less than 50 grams per litre; 0.42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids: 38 ± 2%

Weight Solids: 50 ± 2%

Weight per Gallon: 10.16 lbs (4.61 kg)

Flash Point: NA

Vehicle Type: 100% Acrylic

Shelf Life: 36 months unopened

WVP Perms (US): 52.42 grains/(hr ft^2 in Hg)

Mildew Resistant
This coating contains agents which inhibit the growth of mildew on the surface of this coating film.

COMPLIANCE

As of 07/28/2020, Complies with:

OTC	Yes
OTC Phase II	Yes
SCAQMD	Yes
CARB	Yes
CARB SCM 2007	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	No
MIR-Manufacturer Inventory	No
MPI®	Yes

APPLICATION

Apply at temperatures above 50°F (10°C). No reduction needed.

Brush:

Use a nylon-polyester brush.

Roller:

Use a 1/4 to 1/2 inch nap synthetic cover.

For specific brushes and rollers, please refer to our Brush and Roller Guide.

Spray—Airless

Pressure	2000 p.s.i.
Tip	.015-.021 inch

APPLICATION TIPS

Make sure product is completely agitated (mechanically or manually) before use.

SPECIFICATIONS

Apply 2 topcoats of Solo directly over existing properly prepared, interior or exterior coatings, or new interior bare drywall, plaster (cured with a pH of less than 13), masonry (cured with a pH of less than 13) and non-bleeding wood.

Interior

Drywall: Self-prime using 2 coats of Solo
or
1 coat ProMar 200 Zero V.O.C. Primer
2 coats Solo

Plaster: Self-prime using 2 coats of Solo
or
1 coat Loxon Concrete and Masonry Primer
2 coats Solo

Wood: Self-prime using 2 coats of Solo
or
1 coat Premium Wall and Wood Primer
2 coats Solo

Interior and Exterior

Aluminum, Galvanized & Steel:(if needed)
1 coat All Surface Enamel Latex Primer
2 coats Solo

Block:
1 coat ConFlex Block Filler
2 coats Solo

Masonry, Cement, Stucco:
1 coat Loxon Concrete and Masonry Primer
2 coats Solo

Exterior

Wood, Composition Board:
1 coat Exterior Oil-Based Wood Primer
or
1 coat Exterior Latex Wood Primer
2 coats Solo

Plywood:
1 coat Exterior Latex Wood Primer
2 coats Solo

Other primers may be appropriate.

When repainting involves a drastic color change, a coat of primer will improve the hiding performance of the topcoat color.

continued on back

Solo®

100% Acrylic Interior-Exterior Semi-Gloss

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (**NIOSH** approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer/sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Aluminum and Galvanized Steel:

Wash to remove any oil, grease, or other surface contamination. All corrosion must be removed with sandpaper, wire brush, or other abrading method.

Caulking:

Gaps between walls, ceilings, crown moldings, and other interior trim can be filled with the appropriate caulk after priming the surface.

Concrete Block:

All new surfaces must be cured according to recommendations—usually about 30 days. Rough surfaces can be filled with ConFlex Block Filler to provide a smooth surface. The filler must be thoroughly dry before topcoating.

Drywall:

Fill cracks and holes with patching paste/spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust.

Masonry, Concrete, Cement:

All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces can be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer.

Stucco:

Remove any loose stucco, efflorescence, or laitance. Allow new stucco to cure at least 30 days before painting. If painting cannot wait 30 days, allow the surface to dry 7 days and prime with Loxon Concrete & Masonry Primer. Repair cracks, voids, and other holes with an elastomeric patch or sealant.

SURFACE PREPARATION

Mildew:

Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.

Steel:

Rust and mill scale must be removed using sandpaper, wire brush, or other abrading method. Bare steel must be primed the same day as cleaned.

Plaster:

Must be cured, usually 30 days, and hard. If painting cannot wait, allow the surface to dry 7 days and prime with Loxon Concrete and Masonry Primer. Soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with water and allow to dry before painting.

Vinyl or other PVC Building Products :

Clean the surface thoroughly by scrubbing with warm, soapy water. Rinse thoroughly, prime with appropriate white primer. Do not paint vinyl with any color darker than the original color. Do not paint vinyl with a color having a Light Reflective Value (LRV) of less than 56. Painting with darker colors lower than an LRV of 56 may cause vinyl to warp. Follow all painting guidelines of the vinyl manufacturer when painting. Only paint properly installed vinyl siding. Deviating from the manufacturer's painting guidelines may cause the warranty to be voided.

Wood, Plywood, Composition Board:

Clean the surface thoroughly then sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth. All patched areas must be primed. Knots and some woods, such as redwood and cedar, contain a high amount of tannin, a colored wood extract. If applied to these bare woods, it may show some staining.

Exterior: If staining persists, spot prime severe areas with 1 coat of Exterior Oil-Based Wood Primer prior to using.

Interior: If staining persists, spot prime severe areas with 1 coat of Multi-Purpose Oil-Based Primer.

CAUTIONS

Protect from freezing.
Non-photochemically reactive.

Before using, carefully read **CAUTIONS on label**

Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (**NIOSH** approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

HOTW 07/28/2020 A76W00051 25 03 FRC,SP

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS.

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PTW-014-SW

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Paint - Wood
Item Type	Interior Water-based Acrylic Latex Paint
Description	Interior Wood Millwork Paint
Manufacturer	Sherwin Williams
Model	Solo 100% Acrylic Interior-Exterior (A76 Series)
Color	SW9170 Acier
Finish	Semi-gloss
CSI #	099000 - Painting
Omniclass #	22-099000
Best Practices	Low-VOC, UL Greenguard Certified
Quality Standards	Interior paint: Comply with Green Seal GS-11; MPI Architectural Painting Specification Manual; 40 CFR, Part 59, Subpart D 2001, National Volatile Organic Compound Emission Standards for Architectural Coatings
Eco-Feature(s) *as per manufacturer	Formulated without lead, mercury or chromates.
Product Type	Solo 100% Acrylic Interior-Exterior (A76W00051)
Finish	Semi-gloss
Lead Time	Standard lead times are 3-5 days from receipt of purchase order. Lead time should be confirmed by the manufacturer.
Warranty	Limited Lifetime

SPECIAL INSTRUCTIONS

Primer, undercoat, block filler, finish coat(s) are to be compatible and of the same manufacturer. All primers and undercoats are to be tinted to 50% lighter than the selected and approved finish coat color. All finish coats are to be tinted 25% darker than the primer coat until approved finish coat color is achieved. When the color schedule calls for the use of DEEP TONES (interior and/or exterior), it is the responsibility of the painting contractor to utilize the appropriate Deep Base Primers as manufactured by the painting company for use on the substrate for which they are intended.

Required Wall Finish Levels:
All walls to receive VWC are to have a Level 3 (minimum) Gypsum Board Finish.
All walls to receive Paint (or light to medium weight wall covering) are to have a Level 4 Gypsum Board Finish.
All walls to receive Gloss, Enamel Paint, or Murals to have a Level 5 Gypsum Board Finish.

MANUFACTURER

Vendor Name: Sherwin Williams
Contact Name: Matt Wessel
Phone: (216) 515-7925
Email: mwessel@sherwin.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

AREAS

Hub
Lobby
Food & Beverage Back-of-House

ALTERNATE MANUFACTURER 4	

101.88

Solo®

100% Acrylic Interior-Exterior Semi-Gloss

A76-Series

CHARACTERISTICS

Solo 100% Acrylic Interior-Exterior creates a scrubbable finish that is resistant to burnishing, wearing, and blocking. **Solo** is excellent choice for specifications where 100% acrylic interior finishes are required. It is designed for use on doors, trim, walls, & shutters. **Solo** can be applied to surfaces with a pH up to 13.

Color: Most Colors

To optimize hide and color development, always use the recommended P-Shade primer

Coverage: 350-400 sq. ft. per gallon @ 4 mils wet; 1.5 mils dry

Drying Time, @ 77°F (25°C), 50% RH:

Touch:	1 Hour
Recoat:	4 Hours

Drying and recoat times are temperature, humidity, and film thickness dependent

Finish: 35-45 units @ 60°

Tinting with CCE only:

Base:	oz. per gallon:	Strength:
Extra White	0-6	SherColor
Deep Base	4-12	SherColor
Ultradeep Base	10-12	SherColor

Extra White A76W00051
(may vary by color)

V.O.C. (less exempt solvents):
less than 50 grams per litre; 0.42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids: 38 ± 2%

Weight Solids: 50 ± 2%

Weight per Gallon: 10.16 lbs (4.61 kg)

Flash Point: NA

Vehicle Type: 100% Acrylic

Shelf Life: 36 months unopened

WVP Perms (US): 52.42 grains/(hr ft^2 in Hg)

Mildew Resistant
This coating contains agents which inhibit the growth of mildew on the surface of this coating film.

COMPLIANCE

As of 07/28/2020, Complies with:

OTC	Yes
OTC Phase II	Yes
SCAQMD	Yes
CARB	Yes
CARB SCM 2007	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	No
MIR-Manufacturer Inventory	No
MPI®	Yes

APPLICATION

Apply at temperatures above 50°F (10°C). No reduction needed.

Brush:

Use a nylon-polyester brush.

Roller:

Use a 1/4 to 1/2 inch nap synthetic cover.

For specific brushes and rollers, please refer to our Brush and Roller Guide.

Spray—Airless

Pressure	2000 p.s.i.
Tip	.015-.021 inch

APPLICATION TIPS

Make sure product is completely agitated (mechanically or manually) before use.

SPECIFICATIONS

Apply 2 topcoats of Solo directly over existing properly prepared, interior or exterior coatings, or new interior bare drywall, plaster (cured with a pH of less than 13), masonry (cured with a pH of less than 13) and non-bleeding wood.

Interior

Drywall: Self-prime using 2 coats of Solo
or
1 coat ProMar 200 Zero V.O.C. Primer
2 coats Solo

Plaster: Self-prime using 2 coats of Solo
or
1 coat Loxon Concrete and Masonry Primer
2 coats Solo

Wood: Self-prime using 2 coats of Solo
or
1 coat Premium Wall and Wood Primer
2 coats Solo

Interior and Exterior

Aluminum, Galvanized & Steel:(if needed)
1 coat All Surface Enamel Latex Primer
2 coats Solo

Block:
1 coat ConFlex Block Filler
2 coats Solo

Masonry, Cement, Stucco:
1 coat Loxon Concrete and Masonry Primer
2 coats Solo

Exterior

Wood, Composition Board:
1 coat Exterior Oil-Based Wood Primer
or
1 coat Exterior Latex Wood Primer
2 coats Solo

Plywood:
1 coat Exterior Latex Wood Primer
2 coats Solo

Other primers may be appropriate.

When repainting involves a drastic color change, a coat of primer will improve the hiding performance of the topcoat color.

continued on back

Solo®

100% Acrylic Interior-Exterior Semi-Gloss

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (**NIOSH** approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer/sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Aluminum and Galvanized Steel:

Wash to remove any oil, grease, or other surface contamination. All corrosion must be removed with sandpaper, wire brush, or other abrading method.

Caulking:

Gaps between walls, ceilings, crown moldings, and other interior trim can be filled with the appropriate caulk after priming the surface.

Concrete Block:

All new surfaces must be cured according to recommendations—usually about 30 days. Rough surfaces can be filled with ConFlex Block Filler to provide a smooth surface. The filler must be thoroughly dry before topcoating.

Drywall:

Fill cracks and holes with patching paste/spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust.

Masonry, Concrete, Cement:

All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces can be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer.

Stucco:

Remove any loose stucco, efflorescence, or laitance. Allow new stucco to cure at least 30 days before painting. If painting cannot wait 30 days, allow the surface to dry 7 days and prime with Loxon Concrete & Masonry Primer. Repair cracks, voids, and other holes with an elastomeric patch or sealant.

SURFACE PREPARATION

Mildew:

Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.

Steel:

Rust and mill scale must be removed using sandpaper, wire brush, or other abrading method. Bare steel must be primed the same day as cleaned.

Plaster:

Must be cured, usually 30 days, and hard. If painting cannot wait, allow the surface to dry 7 days and prime with Loxon Concrete and Masonry Primer. Soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with water and allow to dry before painting.

Vinyl or other PVC Building Products :

Clean the surface thoroughly by scrubbing with warm, soapy water. Rinse thoroughly, prime with appropriate white primer. Do not paint vinyl with any color darker than the original color. Do not paint vinyl with a color having a Light Reflective Value (LRV) of less than 56. Painting with darker colors lower than an LRV of 56 may cause vinyl to warp. Follow all painting guidelines of the vinyl manufacturer when painting. Only paint properly installed vinyl siding. Deviating from the manufacturer's painting guidelines may cause the warranty to be voided.

Wood, Plywood, Composition Board:

Clean the surface thoroughly then sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth. All patched areas must be primed. Knots and some woods, such as redwood and cedar, contain a high amount of tannin, a colored wood extract. If applied to these bare woods, it may show some staining.

Exterior: If staining persists, spot prime severe areas with 1 coat of Exterior Oil-Based Wood Primer prior to using.

Interior: If staining persists, spot prime severe areas with 1 coat of Multi-Purpose Oil-Based Primer.

CAUTIONS

Protect from freezing.
Non-photochemically reactive.

Before using, carefully read **CAUTIONS on label**

Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (**NIOSH** approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

HOTW 07/28/2020 A76W00051 25 03 FRC,SP

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS.

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PTW-015-SW

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Paint - Wood
Item Type	Interior Water-based Acrylic Latex Paint
Description	Interior Wood Millwork Paint
Manufacturer	Sherwin Williams
Model	Solo 100% Acrylic Interior-Exterior (A76 Series)
Color	SW6381 Anjou Pear
Finish	Semi-gloss
CSI #	099000 - Painting
Omniclass #	22-099000
Best Practices	Low-VOC, UL Greenguard Certified
Quality Standards	Interior paint: Comply with Green Seal GS-11; MPI Architectural Painting Specification Manual; 40 CFR, Part 59, Subpart D 2001, National Volatile Organic Compound Emission Standards for Architectural Coatings
Eco-Feature(s) *as per manufacturer	Formulated without lead, mercury or chromates.
Product Type	Solo 100% Acrylic Interior-Exterior (A76W00051)
Finish	Semi-gloss
Lead Time	Standard lead times are 3-5 days from receipt of purchase order. Lead time should be confirmed by the manufacturer.
Warranty	Limited Lifetime

SPECIAL INSTRUCTIONS

Primer, undercoat, block filler, finish coat(s) are to be compatible and of the same manufacturer. All primers and undercoats are to be tinted to 50% lighter than the selected and approved finish coat color. All finish coats are to be tinted 25% darker than the primer coat until approved finish coat color is achieved. When the color schedule calls for the use of DEEP TONES (interior and/or exterior), it is the responsibility of the painting contractor to utilize the appropriate Deep Base Primers as manufactured by the painting company for use on the substrate for which they are intended.

Required Wall Finish Levels:
All walls to receive VWC are to have a Level 3 (minimum) Gypsum Board Finish.
All walls to receive Paint (or light to medium weight wall covering) are to have a Level 4 Gypsum Board Finish.
All walls to receive Gloss, Enamel Paint, or Murals to have a Level 5 Gypsum Board Finish.

MANUFACTURER

Vendor Name: Sherwin Williams
Contact Name: Matt Wessel
Phone: (216) 515-7925
Email: mwessel@sherwin.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

AREAS

Hub
Lobby

ALTERNATE MANUFACTURER 4	

101.88

Solo®

100% Acrylic Interior-Exterior Semi-Gloss

A76-Series

CHARACTERISTICS

Solo 100% Acrylic Interior-Exterior creates a scrubbable finish that is resistant to burnishing, wearing, and blocking. **Solo** is excellent choice for specifications where 100% acrylic interior finishes are required. It is designed for use on doors, trim, walls, & shutters. **Solo** can be applied to surfaces with a pH up to 13.

Color: Most Colors

To optimize hide and color development, always use the recommended P-Shade primer

Coverage: 350-400 sq. ft. per gallon @ 4 mils wet; 1.5 mils dry

Drying Time, @ 77°F (25°C), 50% RH:

Touch:	1 Hour
Recoat:	4 Hours

Drying and recoat times are temperature, humidity, and film thickness dependent

Finish: 35-45 units @ 60°

Tinting with CCE only:

Base:	oz. per gallon:	Strength:
Extra White	0-6	SherColor
Deep Base	4-12	SherColor
Ultradeep Base	10-12	SherColor

Extra White A76W00051
(may vary by color)

V.O.C. (less exempt solvents):
less than 50 grams per litre; 0.42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids: 38 ± 2%

Weight Solids: 50 ± 2%

Weight per Gallon: 10.16 lbs (4.61 kg)

Flash Point: NA

Vehicle Type: 100% Acrylic

Shelf Life: 36 months unopened

WVP Perms (US): 52.42 grains/(hr ft^2 in Hg)

Mildew Resistant
This coating contains agents which inhibit the growth of mildew on the surface of this coating film.

COMPLIANCE

As of 07/28/2020, Complies with:

OTC	Yes
OTC Phase II	Yes
SCAQMD	Yes
CARB	Yes
CARB SCM 2007	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	No
MIR-Manufacturer Inventory	No
MPI®	Yes

APPLICATION

Apply at temperatures above 50°F (10°C). No reduction needed.

Brush:

Use a nylon-polyester brush.

Roller:

Use a 1/4 to 1/2 inch nap synthetic cover.

For specific brushes and rollers, please refer to our Brush and Roller Guide.

Spray—Airless

Pressure	2000 p.s.i.
Tip	.015-.021 inch

APPLICATION TIPS

Make sure product is completely agitated (mechanically or manually) before use.

SPECIFICATIONS

Apply 2 topcoats of Solo directly over existing properly prepared, interior or exterior coatings, or new interior bare drywall, plaster (cured with a pH of less than 13), masonry (cured with a pH of less than 13) and non-bleeding wood.

Interior

Drywall: Self-prime using 2 coats of Solo
or
1 coat ProMar 200 Zero V.O.C. Primer
2 coats Solo

Plaster: Self-prime using 2 coats of Solo
or
1 coat Loxon Concrete and Masonry Primer
2 coats Solo

Wood: Self-prime using 2 coats of Solo
or
1 coat Premium Wall and Wood Primer
2 coats Solo

Interior and Exterior

Aluminum, Galvanized & Steel:(if needed)
1 coat All Surface Enamel Latex Primer
2 coats Solo

Block:
1 coat ConFlex Block Filler
2 coats Solo

Masonry, Cement, Stucco:
1 coat Loxon Concrete and Masonry Primer
2 coats Solo

Exterior

Wood, Composition Board:
1 coat Exterior Oil-Based Wood Primer
or
1 coat Exterior Latex Wood Primer
2 coats Solo

Plywood:
1 coat Exterior Latex Wood Primer
2 coats Solo

Other primers may be appropriate.

When repainting involves a drastic color change, a coat of primer will improve the hiding performance of the topcoat color.

continued on back

Solo®

100% Acrylic Interior-Exterior Semi-Gloss

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (**NIOSH** approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer/sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Aluminum and Galvanized Steel:

Wash to remove any oil, grease, or other surface contamination. All corrosion must be removed with sandpaper, wire brush, or other abrading method.

Caulking:

Gaps between walls, ceilings, crown moldings, and other interior trim can be filled with the appropriate caulk after priming the surface.

Concrete Block:

All new surfaces must be cured according to recommendations—usually about 30 days. Rough surfaces can be filled with ConFlex Block Filler to provide a smooth surface. The filler must be thoroughly dry before topcoating.

Drywall:

Fill cracks and holes with patching paste/spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust.

Masonry, Concrete, Cement:

All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces can be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer.

Stucco:

Remove any loose stucco, efflorescence, or laitance. Allow new stucco to cure at least 30 days before painting. If painting cannot wait 30 days, allow the surface to dry 7 days and prime with Loxon Concrete & Masonry Primer. Repair cracks, voids, and other holes with an elastomeric patch or sealant.

SURFACE PREPARATION

Mildew:

Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.

Steel:

Rust and mill scale must be removed using sandpaper, wire brush, or other abrading method. Bare steel must be primed the same day as cleaned.

Plaster:

Must be cured, usually 30 days, and hard. If painting cannot wait, allow the surface to dry 7 days and prime with Loxon Concrete and Masonry Primer. Soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with water and allow to dry before painting.

Vinyl or other PVC Building Products :

Clean the surface thoroughly by scrubbing with warm, soapy water. Rinse thoroughly, prime with appropriate white primer. Do not paint vinyl with any color darker than the original color. Do not paint vinyl with a color having a Light Reflective Value (LRV) of less than 56. Painting with darker colors lower than an LRV of 56 may cause vinyl to warp. Follow all painting guidelines of the vinyl manufacturer when painting. Only paint properly installed vinyl siding. Deviating from the manufacturer's painting guidelines may cause the warranty to be voided.

Wood, Plywood, Composition Board:

Clean the surface thoroughly then sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth. All patched areas must be primed. Knots and some woods, such as redwood and cedar, contain a high amount of tannin, a colored wood extract. If applied to these bare woods, it may show some staining.

Exterior: If staining persists, spot prime severe areas with 1 coat of Exterior Oil-Based Wood Primer prior to using.

Interior: If staining persists, spot prime severe areas with 1 coat of Multi-Purpose Oil-Based Primer.

CAUTIONS

Protect from freezing.
Non-photochemically reactive.

Before using, carefully read **CAUTIONS on label**

Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (**NIOSH** approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

HOTW 07/28/2020 A76W00051 25 03 FRC,SP

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS.

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PTW-016-SW

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Interior Paint
Item Type	N/A
Description	Waterborne Interior Paint
Manufacturer	Sherwin Williams
Model	N/A
Color	SW7649 Silverplate
Finish	Semi-gloss
CSI #	099000 - Painting
Eco-Feature(s) *as per manufacturer	Formulated without lead, mercury or chromates.
Finish	Semi-gloss
Lead Time	Standard lead times are 3-5 days from receipt of purchase order. Lead time should be confirmed by the manufacturer.
Warranty	N/A

SPECIAL INSTRUCTIONS

Primer, undercoat, block filler, finish coat(s) are to be compatible and of the same manufacturer. All primers and undercoats are to be tinted to 50% lighter than the selected and approved finish coat color. All finish coats are to be tinted 25% darker than the primer coat until approved finish coat color is achieved. When the color schedule calls for the use of DEEP TONES (interior and/or exterior), it is the responsibility of the painting contractor to utilize the appropriate Deep Base Primers as manufactured by the painting company for use on the substrate for which they are intended.

MANUFACTURER

Vendor Name: Sherwin Williams
Contact Name: Matt Wessel
Phone: (216) 515-7925
Email: mwessel@sherwin.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Reception

101.84

ProMar® 200 Zero V.O.C.
Interior Latex Semi-Gloss

B31-2600 Series

CHARACTERISTICS

ProMar 200 Zero V.O.C. Interior Latex Semi-Gloss is a durable, professional quality, interior vinyl acrylic finish for use on walls, ceilings, and trim of primed plaster, wallboard, wood, masonry, and primed metal.

Color: Most Colors

To optimize hide and color development, always use the recommended P-Shade primer

Coverage: 350 - 400 sq.ft. per gallon @ 4 mils wet; 1.5 mils dry

Drying Time, @ 77°F, 50% RH:

Touch:	1 Hour
Recoat:	4 Hours

Drying and recoat times are temperature, humidity, and film thickness dependent

Finish: 25-35 units @ 60°

Tinting with CCE only:

Base:	oz. per gallon	Strength:
High Ref White	0-7	SherColor
Extra White	0-6	SherColor
Deep Base	4-12	SherColor
Ultradeep Base	10-12	SherColor
Real Red	0-12	SherColor
Bright Yellow	0-12	SherColor
Dover White		do not tint

Extra White B31W02651
(may vary by color)

V.O.C. (less exempt solvents):
less than 50 grams per litre; 0.42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids: 38 ± 2%

Weight Solids: 50 ± 2%

Weight per Gallon: 10.30 lbs

Flash Point: N/A

Vehicle Type: Vinyl Acrylic

Shelf Life: 36 months unopened

WVP Perms (US): 85.75 grains/(hr ft2 in Hg)

Anti-microbial
This product contains agents which inhibit the growth of mold and mildew on the surface of this paint film.

COMPLIANCE

As of 08/10/2020, Complies with:

OTC	Yes
OTC Phase II	Yes
SCAQMD	Yes
CARB	Yes
CARB SCM 2007	Yes
Canada	Yes
LEED® v4 &v 4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	Yes
MIR-Product Lens Certified	Yes
MPI®	Yes

APPLICATION

Apply at temperatures above 50°F.
No reduction needed.

Brush:

Use a nylon-polyester brush.

Roller:

Use a 3/8 to 3/4 inch nap synthetic cover.

For specific brushes and rollers, please refer to our Brush and Roller Guide on sherwin-williams.com

Spray—Airless

Pressure	2000 p.s.i.
Tip	.017-.021 inch

APPLICATION TIPS

Make sure product is completely agitated (mechanically or manually) before use.

Priming and application of two coats at the recommended film thickness can help where hiding of a previous coating or application to new drywall is a factor.

Using the same method of application and batch to touch up with as that originally used will help improve touch up.

When original application was by spray, preconditioning of touch up paint by running it through the spray tip will help touch up appearance.

SPECIFICATIONS

Block:
1 coat ConFlex Block Filler*
2 coats ProMar 200 Zero V.O.C. Interior Latex

Drywall:
1 coat ProMar 200 Zero V.O.C. Latex Primer
2 coats ProMar 200 Zero V.O.C. Interior Latex

Masonry:
1 coat Loxon Concrete & Masonry Primer*
2 coats ProMar 200 Zero V.O.C. Interior Latex

Plaster:
1 coat Loxon Concrete & Masonry Primer*
2 coats ProMar 200 Zero V.O.C. Interior Latex

Wood:
1 coat Premium Wall & Wood Primer*
2 coats ProMar 200 Zero V.O.C. Interior Latex

*These primers contain less than 50 grams per litre V.O.C.

Other primers may be appropriate.

When repainting involves a drastic color change, a coat of primer will improve the hiding performance of the topcoat color.

continued on back

ProMar® 200 Zero V.O.C.
Interior Latex Semi-Gloss

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (**NIOSH** approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer-sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Caulking:

Gaps between walls, ceilings, crown moldings, and other interior trim can be filled with the appropriate caulk after priming the surface.

Drywall:

Fill cracks and holes with patching paste/ spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust.

Masonry, Concrete, Cement, Block:

All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces can be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer.

SURFACE PREPARATION

Mildew:

Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

Plaster:

Bare plaster must be cured and hard. Textured, soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with clear water and allow to dry.

Wood:

Sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth.

CAUTIONS

For interior use only.
Protect from freezing.
Non-photochemically reactive.

Before using, carefully read **CAUTIONS on label**

Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (**NIOSH** approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

HOTW 08/10/2020 B31W02651 32 00
FRC,SP

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS.

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PTW-017-SW

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Primer - Wall
Item Type	Interior Water-based Acrylic Latex Primer
Description	Interior Gypsum Board Wall Primer
Manufacturer	Sherwin Williams
Model	ProMar 200 ZeroVOC Interior Latex Wall Primer (B28W02600)
Dimensions	N/A
Color	White
Finish	Flat
CSI #	09 90 00 - Painting
Omniclass #	22 - 09 90 00
Best Practices	Low-VOC, UL Greenguard Certified
Quality Standards	Interior paint: Comply with Green Seal GS-11; MPI Architectural Painting Specification Manual; 40 CFR, Part 59, Subpart D 2001, National Volatile Organic Compound Emission Standards for Architectural Coatings;
Part of an Assembly	N
Eco-Feature(s) *as per manufacturer	Zero VOCs meets the most stringent VOC requirements. GREENGUARD Environmental Institute (GEI) and other green guidelines and regulations. ProMar 200 Zero VOC Flat meets MPI 53 and 143.
Product Type	ProMar 200 ZeroVOC Interior Latex Wall Primer (B28W02600)
Finish	Flat
Lead Time	Standard lead times are 3-5 days from receipt of purchase order. Lead time should be confirmed by the manufacturer.
Warranty	Limited Lifetime

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS

Primer, undercoat, block filler, finish coat(s) are to be compatible and of the same manufacturer. All primers and undercoats are to be tinted to 50% lighter than the selected and approved finish coat color. All finish coats are to be tinted 25% darker than the primer coat until approved finish coat color is achieved. When the color schedule calls for the use of DEEP TONES (interior and/or exterior), it is the responsibility of the painting contractor to utilize the appropriate Deep Base Primers as manufactured by the painting company for use on the substrate for which they are intended.

Required Wall Finish Levels:
All walls to receive VWC are to have a Level 3 minimum) Gypsum Board Finish. All walls to receive Paint (or light to med weight wall covering) are to have a level 4 Gypsum Board Finish. All walls to receive Gloss, enamel paint, or Murals to have a Level 5 Gypsum Board Finish.

MANUFACTURER	AREAS
Vendor Name: Sherwin Williams	Public Restrooms

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PTW-017-SW

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Contact Name: Matt Wessel Phone: (216) 515-7925 Email: mwessel@sherwin.com	Entrance Vestibule Employee Areas Administration Stairs Guest Laundry Corridors Elevator Lobby Breakfast Fitness Center
ALTERNATE MANUFACTURER 2	
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

108.24

ProMar® 200
Zero V.O.C. Interior Latex Primer

B28W02600 White

CHARACTERISTICS

ProMar 200 Zero V.O.C. Interior Latex Primer is a professional quality, interior vinyl acrylic primer.

This primer has been designed for use with the **ProMar Series Interior Latex topcoats** providing a complete system.

For use on these interior surfaces:

- Wood
- Drywall
- Plaster
- Masonry
- Primed Metal
- Previously painted surfaces

Color: White

For best topcoat color development, use the recommended "P"-shade primer. Check color before use.

Coverage: 400 sq.ft.per gallon @ 4.0 mils wet; 1.0 mils dry

Drying and recoat times are temperature, humidity, and film thickness dependent

Drying Time, @ 77°F, 50% RH:

Touch: 1 hour
Recoat: 4 hour

Finish: 0-5 units @85°

Tinting: Requires ColorCast Ecotoner for tinting.

For best topcoat color development, use the recommended "P"-shade primer. If desired, up to 4 oz per gallon of ColorCast Ecotoner can be used to approximate the topcoat color. Check color before use.

White B28W02600

V.O.C. (less exempt solvents):
less than 50 grams per litre; .42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids: 26 ± 2%
Weight Solids: 43 ± 2%
Weight per Gallon: 10.77 lbs
Flash Point: N.A.
Vehicle Type: Vinyl acrylic
Shelf Life: 36 months unopened

WVP Perms (US):
135.65 ± 5.07 perm grains/(hr ft2 in Hg)

COMPLIANCE

As of 07/13/2020, Complies with:

OTC	Yes
OTC Phase II	Yes
SCAQMD	Yes
CARB	Yes
CARB SCM 2007	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	Yes
MIR-Product Lens Certified	Yes
MPI®	Yes

APPLICATION

No reduction necessary.

Apply at temperatures above 50°F.

Brush:
Use a nylon-polyester brush

Roller:
Use a nap synthetic cover,

For specific brushes and rollers, please refer to our Brush and Roller Guide on sherwin-williams.com

Spray—Airless:

Pressure	2000 p.s.i.
Tip	.017-.021 inch

APPLICATION TIPS

When spot priming on some surfaces, a non-uniform appearance of the final coat may result, due to differences in holdout between primed and unprimed areas. To avoid this, prime the entire surface rather than spot priming.

For optimal performance, this primer must be topcoated with a latex, alkyd-oil, water based epoxy, or solvent based epoxy coating on architectural applications.

SPECIFICATIONS

Drywall:

1 coat ProMar 200 Zero V.O.C. Latex Primer
2 coats Of appropriate finishes

Previously Painted:

1 coat ProMar 200 Zero V.O.C. Latex Primer
1-2 coats Of appropriate finishes

continued on back

ProMar® 200
Zero V.O.C. Interior Latex Primer

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (**NIOSH** approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer-sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Caulking - Gaps between walls, ceilings, crown moldings, and other interior trim can be filled with the appropriate caulk after priming the surface.

Drywall - Fill cracks and nail holes with patching paste-spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust.

Masonry, Concrete, Cement, Block - All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces can be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer.

Plaster - Bare plaster must be cured and hard. Textured, soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with clear water and allow to dry.

SURFACE PREPARATION

Mildew - Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.

CAUTIONS

For interior use only.

Protect from freezing.

Non-photochemically reactive.

Not for use under wallpaper.

Before using, carefully read **CAUTIONS on label**

CRYSTALLINE SILICA: Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (**NIOSH** approved) or leave the area. Adequate ventilation required when sanding or abrading the dried film. If adequate ventilation cannot be provided wear an approved particulate respirator (**NIOSH** approved). Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.** Abrading or sanding of the dry film may release crystalline silica which has been shown to cause lung damage and cancer under long term exposure. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

HOTW 07/13/2020 B28W02600 28 00
FRC, SP

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS.

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PTW-018-SW

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Paint - Metal
Item Type	Interior Water-based Acrylic Latex Paint
Description	Interior Metal Paint - Not Galvanized, Not Shop Primed, Previously Painted or Shop Primed; Door Frames
Manufacturer	Sherwin Williams
Model	Solo 100% Acrylic Interior-Exterior (A76 Series)
Dimensions	N/A
Color	SW7005 Pure White
Finish	Semi-Gloss
CSI #	09 90 00 - Painting
Omniclass #	22 - 09 90 00 - Painting
Best Practices	Low-VOC, UL Greenguard Certified
Quality Standards	Interior paint: Comply with Green Seal GS-11; MPI Architectural Painting Specification Manual; 40 CFR, Part 59, Subpart D 2001, National Volatile Organic Compound Emission Standards for Architectural Coatings
Eco-Feature(s) *as per manufacturer	Formulated without lead, mercury or chromates.
Product Type	Solo 100% Acrylic Interior-Exterior (A76W00051)
Finish	Semi-Gloss
Lead Time	Standard lead times are 3-5 days from receipt of purchase order. Lead time should be confirmed by the manufacturer.
Warranty	Limited Lifetime

SPECIAL INSTRUCTIONS

Primer, undercoat, block filler, finish coat(s) are to be compatible and of the same manufacturer. All primers and undercoats are to be tinted to 50% lighter than the selected and approved finish coat color. All finish coats are to be tinted 25% darker than the primer coat until approved finish coat color is achieved. When the color schedule calls for the use of DEEP TONES (interior and/or exterior), it is the responsibility of the painting contractor to utilize the appropriate Deep Base Primers as manufactured by the painting company for use on the substrate for which they are intended.

Required Wall Finish Levels:
All walls to receive VWC are to have a Level 3 (minimum) Gypsum Board Finish.
All walls to receive Paint (or light to medium weight wall covering) are to have a Level 4 Gypsum Board Finish.
All walls to receive Gloss, Enamel Paint, or Murals to have a Level 5 Gypsum Board Finish.

MANUFACTURER	AREAS
Vendor Name: Sherwin Williams Contact Name: Matt Wessel Phone: (216) 515-7925 Email: mwessel@sherwin.com	

ALTERNATE MANUFACTURER 2	
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

101.88

Solo®

100% Acrylic Interior-Exterior Semi-Gloss

A76-Series

CHARACTERISTICS

Solo 100% Acrylic Interior-Exterior creates a scrubbable finish that is resistant to burnishing, wearing, and blocking. **Solo** is excellent choice for specifications where 100% acrylic interior finishes are required. It is designed for use on doors, trim, walls, & shutters. **Solo** can be applied to surfaces with a pH up to 13.

Color: Most Colors

To optimize hide and color development, always use the recommended P-Shade primer

Coverage: 350-400 sq. ft. per gallon @ 4 mils wet; 1.5 mils dry

Drying Time, @ 77°F (25°C), 50% RH:

Touch:	1 Hour
Recoat:	4 Hours

Drying and recoat times are temperature, humidity, and film thickness dependent

Finish: 35-45 units @ 60°

Tinting with CCE only:

Base:	oz. per gallon:	Strength:
Extra White	0-6	SherColor
Deep Base	4-12	SherColor
Ultradeep Base	10-12	SherColor

Extra White A76W00051
(may vary by color)

V.O.C. (less exempt solvents):
less than 50 grams per litre; 0.42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids: 38 ± 2%

Weight Solids: 50 ± 2%

Weight per Gallon: 10.16 lbs (4.61 kg)

Flash Point: NA

Vehicle Type: 100% Acrylic

Shelf Life: 36 months unopened

WVP Perms (US): 52.42 grains/(hr ft^2 in Hg)

Mildew Resistant
This coating contains agents which inhibit the growth of mildew on the surface of this coating film.

COMPLIANCE

As of 07/28/2020, Complies with:

OTC	Yes
OTC Phase II	Yes
SCAQMD	Yes
CARB	Yes
CARB SCM 2007	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	No
MIR-Manufacturer Inventory	No
MPI®	Yes

APPLICATION

Apply at temperatures above 50°F (10°C). No reduction needed.

Brush:

Use a nylon-polyester brush.

Roller:

Use a 1/4 to 1/2 inch nap synthetic cover.

For specific brushes and rollers, please refer to our Brush and Roller Guide.

Spray—Airless

Pressure	2000 p.s.i.
Tip	.015-.021 inch

APPLICATION TIPS

Make sure product is completely agitated (mechanically or manually) before use.

SPECIFICATIONS

Apply 2 topcoats of Solo directly over existing properly prepared, interior or exterior coatings, or new interior bare drywall, plaster (cured with a pH of less than 13), masonry (cured with a pH of less than 13) and non-bleeding wood.

Interior

Drywall: Self-prime using 2 coats of Solo
or
1 coat ProMar 200 Zero V.O.C. Primer
2 coats Solo

Plaster: Self-prime using 2 coats of Solo
or
1 coat Loxon Concrete and Masonry Primer
2 coats Solo

Wood: Self-prime using 2 coats of Solo
or
1 coat Premium Wall and Wood Primer
2 coats Solo

Interior and Exterior

Aluminum, Galvanized & Steel:(if needed)
1 coat All Surface Enamel Latex Primer
2 coats Solo

Block:
1 coat ConFlex Block Filler
2 coats Solo

Masonry, Cement, Stucco:
1 coat Loxon Concrete and Masonry Primer
2 coats Solo

Exterior

Wood, Composition Board:
1 coat Exterior Oil-Based Wood Primer
or
1 coat Exterior Latex Wood Primer
2 coats Solo

Plywood:
1 coat Exterior Latex Wood Primer
2 coats Solo

Other primers may be appropriate.

When repainting involves a drastic color change, a coat of primer will improve the hiding performance of the topcoat color.

continued on back

Solo®

100% Acrylic Interior-Exterior Semi-Gloss

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (**NIOSH** approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer/sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Aluminum and Galvanized Steel:

Wash to remove any oil, grease, or other surface contamination. All corrosion must be removed with sandpaper, wire brush, or other abrading method.

Caulking:

Gaps between walls, ceilings, crown moldings, and other interior trim can be filled with the appropriate caulk after priming the surface.

Concrete Block:

All new surfaces must be cured according to recommendations—usually about 30 days. Rough surfaces can be filled with ConFlex Block Filler to provide a smooth surface. The filler must be thoroughly dry before topcoating.

Drywall:

Fill cracks and holes with patching paste/spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust.

Masonry, Concrete, Cement:

All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces can be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer.

Stucco:

Remove any loose stucco, efflorescence, or laitance. Allow new stucco to cure at least 30 days before painting. If painting cannot wait 30 days, allow the surface to dry 7 days and prime with Loxon Concrete & Masonry Primer. Repair cracks, voids, and other holes with an elastomeric patch or sealant.

SURFACE PREPARATION

Mildew:

Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.

Steel:

Rust and mill scale must be removed using sandpaper, wire brush, or other abrading method. Bare steel must be primed the same day as cleaned.

Plaster:

Must be cured, usually 30 days, and hard. If painting cannot wait, allow the surface to dry 7 days and prime with Loxon Concrete and Masonry Primer. Soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with water and allow to dry before painting.

Vinyl or other PVC Building Products :

Clean the surface thoroughly by scrubbing with warm, soapy water. Rinse thoroughly, prime with appropriate white primer. Do not paint vinyl with any color darker than the original color. Do not paint vinyl with a color having a Light Reflective Value (LRV) of less than 56. Painting with darker colors lower than an LRV of 56 may cause vinyl to warp. Follow all painting guidelines of the vinyl manufacturer when painting. Only paint properly installed vinyl siding. Deviating from the manufacturer's painting guidelines may cause the warranty to be voided.

Wood, Plywood, Composition Board:

Clean the surface thoroughly then sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth. All patched areas must be primed. Knots and some woods, such as redwood and cedar, contain a high amount of tannin, a colored wood extract. If applied to these bare woods, it may show some staining.

Exterior: If staining persists, spot prime severe areas with 1 coat of Exterior Oil-Based Wood Primer prior to using.

Interior: If staining persists, spot prime severe areas with 1 coat of Multi-Purpose Oil-Based Primer.

CAUTIONS

Protect from freezing.
Non-photochemically reactive.

Before using, carefully read **CAUTIONS on label**

Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (**NIOSH** approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

HOTW 07/28/2020 A76W00051 25 03 FRC,SP

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS.

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PTW-019-SW

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Primer - Metal
Item Type	Interior Water-based Acrylic Latex Primer
Description	Interior Metal Primer - Not Galvanized, Not Shop Primed, Previously Painted or Shop Primed
Manufacturer	Sherwin Williams
Model	All Surface Enamel Interior-Exterior Latex Primer (A41W01210)
Dimensions	N/A
Color	White
Finish	N/A
CSI #	09 90 00 - Painting
Omniclass #	22 - 09 90 00
Best Practices	Low-VOC, UL Greenguard Certified
Quality Standards	Interior paint: Comply with Green Seal GS-11; MPI Architectural Painting Specification Manual; 40 CFR, Part 59, Subpart D 2001, National Volatile Organic Compound Emission Standards for Architectural Coatings;
Part of an Assembly	N
Eco-Feature(s) *as per manufacturer	Formulated without lead, mercury or chromates.
Product Type	All Surface Enamel Interior-Exterior Latex Primer (A41W01210)
Finish	N/A
Lead Time	Standard lead times are 3-5 days from receipt of purchase order. Lead time should be confirmed by the manufacturer.
Warranty	Limited Lifetime

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS

Primer, undercoat, block filler, finish coat(s) are to be compatible and of the same manufacturer. All primers and undercoats are to be tinted to 50% lighter than the selected and approved finish coat color. All finish coats are to be tinted 25% darker than the primer coat until approved finish coat color is achieved. When the color schedule calls for the use of DEEP TONES (interior and/or exterior), it is the responsibility of the painting contractor to utilize the appropriate Deep Base Primers as manufactured by the painting company for use on the substrate for which they are intended.

Required Wall Finish Levels:
All walls to receive VWC are to have a Level 3 minimum) Gypsum Board Finish. All walls to receive Paint (or light to med weight wall covering) are to have a level 4 Gypsum Board Finish. All walls to receive Gloss, enamel paint, or Murals to have a Level 5 Gypsum Board Finish.

MANUFACTURER	AREAS
Vendor Name: Sherwin Williams Contact Name: Matt Wessel Phone: (216) 515-7925	

Email: mwessel@sherwin.com	
ALTERNATE MANUFACTURER 2	
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

PTW-019-SW

107.05PR

All Surface Enamel

Interior-Exterior Latex Primer

A41W01210 White

CHARACTERISTICS

All Surface Enamel Primer is designed for use on interior and exterior, Iron and Steel, Aluminum, Galvanizing. This high quality primer provides corrosion resistant, flash rust resistance and is fast drying.

This quality coating system provides excellent resistance to weather and sunlight. The exceptional durability allows it to be used on doors, trim, and windows.

Color: White

Coverage: 350-400 sq .ft. per gallon @ 4 mils wet; 1.5 mils dry

Drying Time, @ 77°F, 50% RH:

Touch: 1 Hour
Recoat: 4 Hours
Drying and recoat times are temperature, humidity, and film thickness dependent

Finish: Flat

Tinting with CCE:

Base	oz. per gallon	Strength
White	0-2	SherColor

Primer White A41W01210
(may vary by color)

V.O.C. (less exempt solvents):
less than 50 grams per litre; 0.42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids: 38 ± 2%
Weight Solids: 51 ± 2%
Weight per Gallon: 10.35 lbs
Flash Point: N.A.
Vehicle Type: Acrylic
Shelf Life: 36 months unopened

COMPLIANCE

As of 03/09/2020, Complies with:

OTC	Yes
OTC Phase II	Yes
SCAQMD	Yes
CARB	Yes
CARB SCM 2007	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	No
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	No
MIR-Product Lens Certified	No
MPI®	No

APPLICATION

Apply at temperatures above 50°F, No reduction needed.

Brush:

Use a nylon-polyester

Roller:

Use a 3/8 inch woven cover.

For specific brushes and rollers, please refer to our Brush and Roller Guide.

Spray—Airless

Pressure 2000 p.s.i.
Tip (fine finish) .015-.019 inch

APPLICATION TIPS

Make sure product is completely agitated (mechanically or manually) before use.

SPECIFICATIONS

Aluminum

1 coat All Surface Enamel Latex Primer
2 coats All Surface Latex Enamel

Galvanized Steel

1 coat All Surface Enamel Latex Primer
2 coats All Surface Latex Enamel

Iron and Steel

1 coat All Surface Enamel Latex Primer
2 coats All Surface Latex Enamel

Other acceptable topcoats include architectural water based acrylic coatings

continued on back

All Surface Enamel

Interior-Exterior Latex Primer

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (**NIOSH** approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer/sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Aluminum & Galvanizing: Wash to remove any oil, grease, or other surface contamination using a water based cleaner-degreaser. Remove all corrosion with sandpaper, wire brush or other abrading method. Prime the area the same day as cleaned. Self priming.

Caulking: Exterior gaps between windows, doors, trim, and other through-wall openings; and interior gaps between walls, ceilings, crown moldings, and other trim can be filled with the appropriate caulk after priming the surface.

Iron, Steel: Rust and mill scale must be removed using sandpaper, wire brush or other abrading method. Bare steel must be primed the same day as cleaned.

SURFACE PREPARATION

Mildew: Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

Previously Painted Surfaces: If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above.

CAUTIONS

Protect from freezing.

Not for use on roofs, floors, or decks.

Do not use colorants formulated for interior use only on exterior surfaces.

Before using, carefully read CAUTIONS on label.

Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (**NIOSH** approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

HOTW 03/09/2020 A41W01210 04 38

CLEANUP INFORMATION

Clean spills and spatters immediately with soap and warm water. Clean hands and tools immediately after use with soap and warm water. Flush spray equipment after cleaning with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS.

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

PTW-020-SW

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Paint - Wood
Item Type	Interior Water-based Acrylic Latex Paint
Description	Interior Wood Millwork Paint
Manufacturer	Sherwin Williams
Model	Solo 100% Acrylic Interior-Exterior (A76 Series)
Color	SW7005 Pure White
Finish	Semi-gloss
CSI #	099000 - Painting
Omniclass #	22-099000
Best Practices	Low-VOC, UL Greenguard Certified
Quality Standards	Interior paint: Comply with Green Seal GS-11; MPI Architectural Painting Specification Manual; 40 CFR, Part 59, Subpart D 2001, National Volatile Organic Compound Emission Standards for Architectural Coatings
Eco-Feature(s) *as per manufacturer	Formulated without lead, mercury or chromates.
Product Type	Solo 100% Acrylic Interior-Exterior (A76W00051)
Finish	Semi-gloss
Lead Time	Standard lead times are 3-5 days from receipt of purchase order. Lead time should be confirmed by the manufacturer.
Warranty	Limited Lifetime

SPECIAL INSTRUCTIONS

Primer, undercoat, block filler, finish coat(s) are to be compatible and of the same manufacturer. All primers and undercoats are to be tinted to 50% lighter than the selected and approved finish coat color. All finish coats are to be tinted 25% darker than the primer coat until approved finish coat color is achieved. When the color schedule calls for the use of DEEP TONES (interior and/or exterior), it is the responsibility of the painting contractor to utilize the appropriate Deep Base Primers as manufactured by the painting company for use on the substrate for which they are intended.

Required Wall Finish Levels:
All walls to receive VWC are to have a Level 3 (minimum) Gypsum Board Finish.
All walls to receive Paint (or light to medium weight wall covering) are to have a Level 4 Gypsum Board Finish.
All walls to receive Gloss, Enamel Paint, or Murals to have a Level 5 Gypsum Board Finish.

MANUFACTURER

Vendor Name: Sherwin Williams
Contact Name: Matt Wessel
Phone: (216) 515-7925
Email: mwessel@sherwin.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

AREAS

Lobby

ALTERNATE MANUFACTURER 4	

101.88

Solo®

100% Acrylic Interior-Exterior Semi-Gloss

A76-Series

CHARACTERISTICS

Solo 100% Acrylic Interior-Exterior creates a scrubbable finish that is resistant to burnishing, wearing, and blocking. **Solo** is excellent choice for specifications where 100% acrylic interior finishes are required. It is designed for use on doors, trim, walls, & shutters. **Solo** can be applied to surfaces with a pH up to 13.

Color: Most Colors

To optimize hide and color development, always use the recommended P-Shade primer

Coverage: 350-400 sq. ft. per gallon @ 4 mils wet; 1.5 mils dry

Drying Time, @ 77°F (25°C), 50% RH:

Touch:	1 Hour
Recoat:	4 Hours

Drying and recoat times are temperature, humidity, and film thickness dependent

Finish: 35-45 units @ 60°

Tinting with CCE only:

Base:	oz. per gallon:	Strength:
Extra White	0-6	SherColor
Deep Base	4-12	SherColor
Ultradeep Base	10-12	SherColor

Extra White A76W00051
(may vary by color)

V.O.C. (less exempt solvents):
less than 50 grams per litre; 0.42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids: 38 ± 2%

Weight Solids: 50 ± 2%

Weight per Gallon: 10.16 lbs (4.61 kg)

Flash Point: NA

Vehicle Type: 100% Acrylic

Shelf Life: 36 months unopened

WVP Perms (US): 52.42 grains/(hr ft^2 in Hg)

Mildew Resistant
This coating contains agents which inhibit the growth of mildew on the surface of this coating film.

COMPLIANCE

As of 07/28/2020, Complies with:

OTC	Yes
OTC Phase II	Yes
SCAQMD	Yes
CARB	Yes
CARB SCM 2007	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	No
MIR-Manufacturer Inventory	No
MPI®	Yes

APPLICATION

Apply at temperatures above 50°F (10°C). No reduction needed.

Brush:

Use a nylon-polyester brush.

Roller:

Use a 1/4 to 1/2 inch nap synthetic cover.

For specific brushes and rollers, please refer to our Brush and Roller Guide.

Spray—Airless

Pressure	2000 p.s.i.
Tip	.015-.021 inch

APPLICATION TIPS

Make sure product is completely agitated (mechanically or manually) before use.

SPECIFICATIONS

Apply 2 topcoats of Solo directly over existing properly prepared, interior or exterior coatings, or new interior bare drywall, plaster (cured with a pH of less than 13), masonry (cured with a pH of less than 13) and non-bleeding wood.

Interior

Drywall: Self-prime using 2 coats of Solo
or
1 coat ProMar 200 Zero V.O.C. Primer
2 coats Solo

Plaster: Self-prime using 2 coats of Solo
or
1 coat Loxon Concrete and Masonry Primer
2 coats Solo

Wood: Self-prime using 2 coats of Solo
or
1 coat Premium Wall and Wood Primer
2 coats Solo

Interior and Exterior

Aluminum, Galvanized & Steel:(if needed)
1 coat All Surface Enamel Latex Primer
2 coats Solo

Block:
1 coat ConFlex Block Filler
2 coats Solo

Masonry, Cement, Stucco:
1 coat Loxon Concrete and Masonry Primer
2 coats Solo

Exterior

Wood, Composition Board:
1 coat Exterior Oil-Based Wood Primer
or
1 coat Exterior Latex Wood Primer
2 coats Solo

Plywood:
1 coat Exterior Latex Wood Primer
2 coats Solo

Other primers may be appropriate.

When repainting involves a drastic color change, a coat of primer will improve the hiding performance of the topcoat color.

continued on back

Solo®

100% Acrylic Interior-Exterior Semi-Gloss

SURFACE PREPARATION

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Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer/sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Aluminum and Galvanized Steel:

Wash to remove any oil, grease, or other surface contamination. All corrosion must be removed with sandpaper, wire brush, or other abrading method.

Caulking:

Gaps between walls, ceilings, crown moldings, and other interior trim can be filled with the appropriate caulk after priming the surface.

Concrete Block:

All new surfaces must be cured according to recommendations—usually about 30 days. Rough surfaces can be filled with ConFlex Block Filler to provide a smooth surface. The filler must be thoroughly dry before topcoating.

Drywall:

Fill cracks and holes with patching paste/spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust.

Masonry, Concrete, Cement:

All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces can be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer.

Stucco:

Remove any loose stucco, efflorescence, or laitance. Allow new stucco to cure at least 30 days before painting. If painting cannot wait 30 days, allow the surface to dry 7 days and prime with Loxon Concrete & Masonry Primer. Repair cracks, voids, and other holes with an elastomeric patch or sealant.

SURFACE PREPARATION

Mildew:

Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.

Steel:

Rust and mill scale must be removed using sandpaper, wire brush, or other abrading method. Bare steel must be primed the same day as cleaned.

Plaster:

Must be cured, usually 30 days, and hard. If painting cannot wait, allow the surface to dry 7 days and prime with Loxon Concrete and Masonry Primer. Soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with water and allow to dry before painting.

Vinyl or other PVC Building Products :

Clean the surface thoroughly by scrubbing with warm, soapy water. Rinse thoroughly, prime with appropriate white primer. Do not paint vinyl with any color darker than the original color. Do not paint vinyl with a color having a Light Reflective Value (LRV) of less than 56. Painting with darker colors lower than an LRV of 56 may cause vinyl to warp. Follow all painting guidelines of the vinyl manufacturer when painting. Only paint properly installed vinyl siding. Deviating from the manufacturer's painting guidelines may cause the warranty to be voided.

Wood, Plywood, Composition Board:

Clean the surface thoroughly then sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth. All patched areas must be primed. Knots and some woods, such as redwood and cedar, contain a high amount of tannin, a colored wood extract. If applied to these bare woods, it may show some staining.

Exterior: If staining persists, spot prime severe areas with 1 coat of Exterior Oil-Based Wood Primer prior to using.

Interior: If staining persists, spot prime severe areas with 1 coat of Multi-Purpose Oil-Based Primer.

CAUTIONS

Protect from freezing.
Non-photochemically reactive.

Before using, carefully read **CAUTIONS on label**

Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (**NIOSH** approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

HOTW 07/28/2020 A76W00051 25 03 FRC,SP

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS.

Resilient Base

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

RB-001-JO

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Resilient Base
Item Type	Coved vinyl wall base
Description	4" high coved vinyl base, ASTM F1861, Type TV (vinyl, thermoplastic)
Manufacturer	Tarkett/Johnsonite
Model	Vinyl Cove
Dimensions	4"
Color	55 Silver Grey
CSI #	095600 - Resilient Flooring
Omniclass #	22-096500
Fire/Smoke Rating	Critical radiant flux: Class 1 (0.45 watts per square centimeter) per ASTM E648; Smoke Density: Maximum specific optical density of 450 or less when tested per ASTM E662
Best Practices	Floor Score Certified
Quality Standards	ASTM E648 Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source; ASTM F1861 Standard Specification for Resilient Wall Base
Accessories	Manufacturer's recommended adhesive
Part of an Assembly	N
Product Number	Vinyl Cove
Lengths	4' Coils
Warranty	2 year limited

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Johnsonite
Contact Name: Amber Osiecki
Phone: 919-418-2224
Email: Amber.Osiecki@tarkett.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Employee Areas
Elevators
Engineering & Maintenance
Food & Beverage Back-of-House
Back-of-House Laundry
Housekeeping
Mechanical, Plumbing & Electrical
Storage

RB-001-JO

Traditional Wall Base and TightLock® Wall Base Systems

A part of **ReStart®** program

FloorScore® certified and meets CA 01350*

TVOC ≤ 100 µg/m3

Phthalate free, except for recycled materials

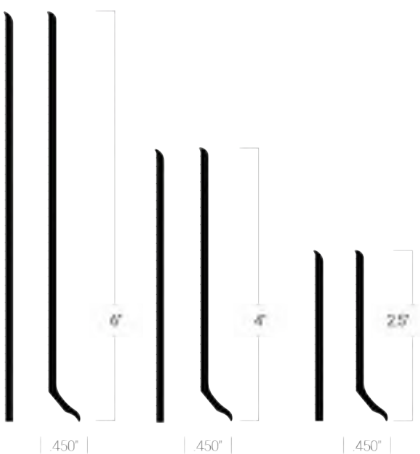
Recycled Content
Pre-consumer 14%

adhesives pg. 196

Traditional Vinyl + Rubber Wall Base. Keep it simple.

We know there's a time and a place for straightforward, no-nonsense options. That's why our Traditional Wall Base is basic, but better. With durable construction and multiple options for height and color, our Traditional Wall Base has everything you need. And nothing you don't.

TRADITIONAL



3 standard heights: 2.5" (64 mm), 4" (102 mm), 6" (153 mm)or 4.5" (114 mm) inDC only

Available in Duracove Rubber (type TP)
1/8" (3.175 mm) and vinyl (type TV)
.080" (2 mm) or 1/8" (3.175 mm)

Standard heights available in toe or toeless

4' sections and coils available

Manufactured inside and outside corners available

4.5", 8", 9" and 10" heights are special order; call for details

4.5" in Duracove only

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

RB-002-SHI

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Resilient Base
Item Type	Resilient Base
Description	Straight vinyl wall base
Manufacturer	Shaw Industries, Inc.
Model	Accessories 149VS Angle Profile
Dimensions	4.5" H. x 1/4" Gauge
Color	White 00100
Finish	UV-Cured High Performance Urethane
Material Composition	TPR Thermoplastic Rubber
CSI #	095600 - Resilient Flooring
Omniclass #	22-096500
Accessories	Manufacturer's recommended adhesive
Part of an Assembly	N
Product Number	149VS Angle Profile White 00100
Lengths	4.5" x 96", in 8' Lengths
Warranty	1 Year Commercial Limited Warranty
Notes	Installation: Direct Glue

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: SHAW INDUSTRIES INC
Contact Name: David Burn
Phone: 301.520.9360
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Stairs

RB-002-SHI

wall base sculpted base

grain LVT, color mercury with **4" cove base** in white

WALL BASE

haze tile, color smoke with **4" cove base** in cement

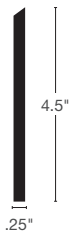
shaw contract group®

RB-002-SHI

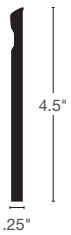
Shaw Contract Group rubber base products epitomize superior flexibility, exceptional durability and remarkable reliability. Four profile options meet strict specifications and stringent environmental demands and have the ability to withstand anything installers and designers throw its way. Backed by the industry's longest warranty, our wall bases are scuff and scratch resistant, color fade free and hold strong. If only walls could talk, they would enthusiastically thank you.

4" cove base 148VS

sculpted base



4.5" angle profile 149VS



4.5" detail profile 150VS

quarter round profile 151VS

product specifications				
Style:	148VS 4" cove base	149VS angle profile	150VS detail profile	151VS quarter round profile
Construction:	thermoplastic rubber	thermoplastic rubber	thermoplastic rubber	thermoplastic rubber
Gague:	1/8"	1/4"	1/4"	3/4"
Roll Size:	4" x 120'	4.5" x 96"	4.5" x 96"	.75" x 96"
Adhesive:	141VS wall base tube 166VS wall base 1 gallon 136VS wall base 4 gallon	141VS wall base tube 166VS wall base 1 gallon 136VS wall base 4 gallon	141VS wall base tube 166VS wall base 1 gallon 136VS wall base 4 gallon	141VS wall base tube 166VS wall base 1 gallon 136VS wall base 4 gallon
Warranty:	2 year	2 year	2 year	2 year

shaw contract group®

For more information on **Wall Base**, contact your local Shaw Contract Group representative, visit us at shawcontractgroup.com or call 877-502-SHAW.

© 2015 Shaw, a Berkshire Hathaway Company

Resilient Flooring

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

RF-002-BN

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Fitness Flooring
Item Type	Woven Vinyl Flooring
Description	Woven Vinyl - Rolled Goods with PVC underlayment for sound absorption
Manufacturer	Bolon
Model	Bolon By You, Geometric; Quiet Cushion Underlayment
Dimensions	Woven Vinyl: 2000mm Wide x 25m Long; Underlayment: 4mm thick x 6'-7" x 34´-5 (half roll) or 6´-7 x 68´-10 (full roll)
Color	Warp: Black , Weft: Peacock Green
Finish	Not Applicable
Material Composition	Woven vinyl flooring, product standard EN 1307
CSI #	096500 - Resilient Flooring
Omniclass #	22-09 65 00 - Resilient Flooring
Fire/Smoke Rating	Critical Radiant Flux, ASTM E648 Class 1; Smoke Density ASTM E662 <450
Accessibility Compliance	Anti slip property, DIN 51130 R9. Friction, EN 13893 >0.3
Part of an Assembly	N

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Bolon
Contact Name: Jim Cave
Phone: (781) 964-5456
Email: jcave@mi-studios.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Fitness Center

BOLON BY YOU

TECHNICAL INFORMATION

Construction: Woven vinyl flooring, product standard EN 1307. Bolon.com for updated information

Included in EN 1307

Use classification		ISO 10874	33 Heavy commercial
Weight	Rolls Tiles	ISO 8543	2,9 kg/m² 3,9 kg/m²
Thickness	Rolls Tiles	ISO 1765	2,5 mm 3,0 mm
Roll dimension	Width Length	EN 426	2000 mm 25 m
Tile dimension		EN 994	500 x 500 mm. 20 pcs/box, 5 sqm
Castor Chair		EN 985	Continous use
Body Voltage		EN 1815**	Fulfilled
Thermal resistance		ISO 8302	Suitable for underfloor heating
Impact sound insulation*	Rolls Tiles	EN ISO 10140	12 dB 14 dB
Airborne sound absorption*		EN ISO 354	0,05
Colour fastness to light*		EN ISO 105-B02	8
Dimension stability	Rolls Tiles	ISO 2551 EN 986	Fulfilled Fulfilled

Additional tests

Anti slip property	DIN 51130	R9
Friction	EN 13893	> 0,3
Pendulum	EN 13036-4	94-95
Reaction to fire	EN 13501-1	B_{fl}-s1
Critical radiant flux	ASTM E 648	Class 1
Smoke density	ASTM E 662	< 450

Certifications

CSTB	U3P2 E1/2 C1 12_14-1692_V1

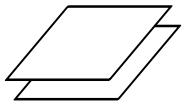
Bolon Flooring is recyclable

* Typical value
** EN 1815 replaces ISO 6356
Some of the collections are design protected.

RF-002-BN

PRODUCT SHEET - UNDERLAYMENT

QUIET CUSHION

QUIET CUSHION 4MM	size (roll)
	6´-7˝ x 34´-5˝ 6´-7˝ x 68´-10˝

Product Description: PVC underlayment for sound absorption. Sold in half roll or full roll sizes.

Product Features: Provides sound absorption and added cushion for various applications, including:

- Rooms and Corridors in Multi-Level Buildings
- Sport and Fitness Areas
- Spas
- Workstations
- Restaurants and Lounges

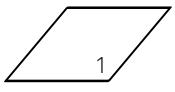
Product Specifications:

- Weight: 0.45 lbs./sq. ft.
- Thickness: 4 mm
- Roll Width: 6´-7˝
- Half Roll Length: 34´-5˝
- Full Roll Length: 68´-10˝
- Sound Reduction: approximately 16dB

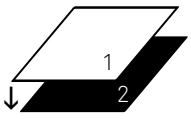
For roll or tile orders exceeding 4,000 sq. ft., Acoustic Backing is available at an additional material cost of $1.50 per sq. ft.

Acoustic Backing is incorporated during the manufacturing process and adhered to the top weave layer of Bolon materials. Quiet Cushion is an additional layer placed underneath Bolon material with standard backing, typically resulting in higher installation costs.

Acoustic Backing vs. Quiet Cushion



1 - Bolon with Acoustic Backing



1 - Bolon with standard backing
2 - Quiet Cushion underlayment

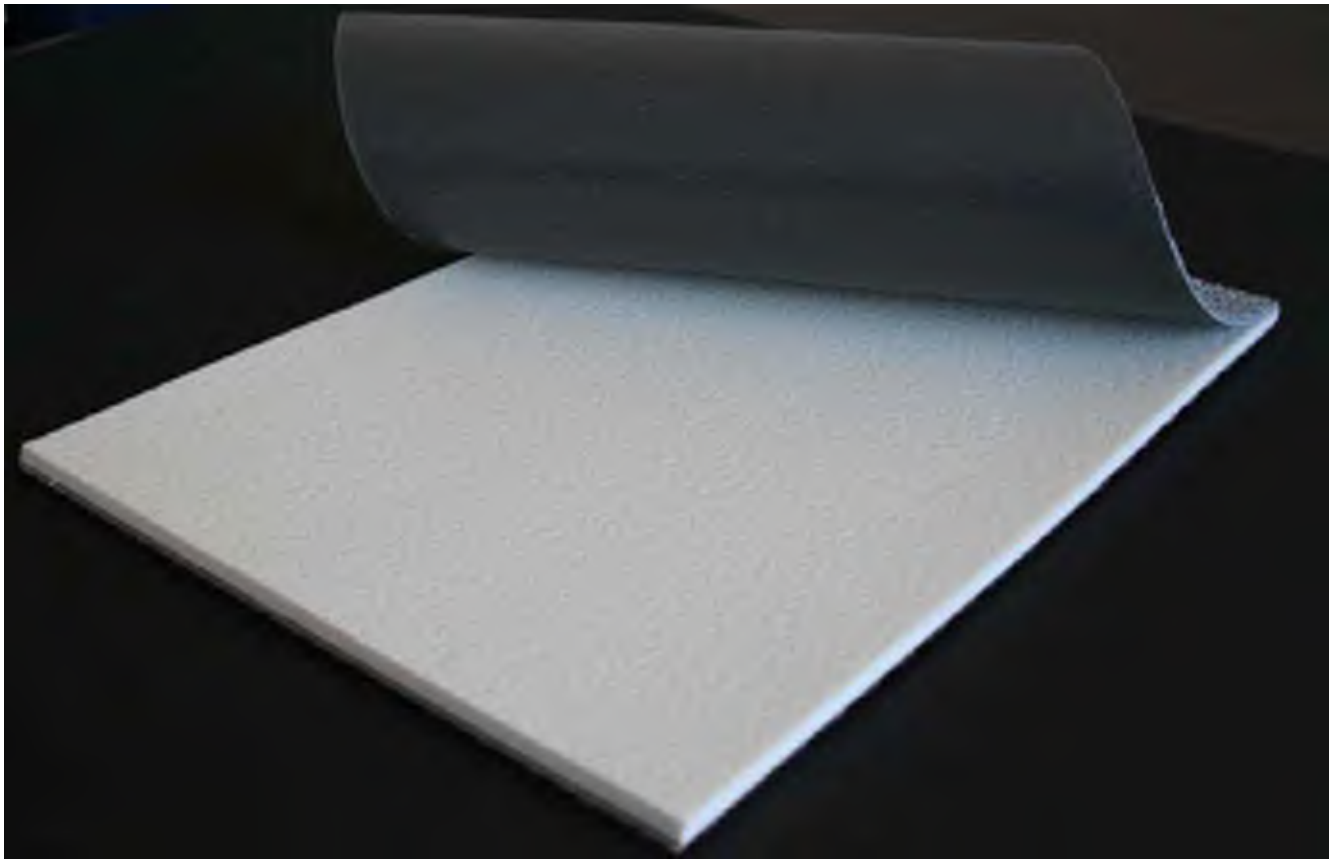
BOLON

MI Studios | North American Partner
27 West 24th St, Suite 601, New York, NY 10010 | +1 212 252 2049 | info@mi-studios.com | mi-studios.com

RF-002-BN

PRODUCT SHEET - UNDERLAYMENT

QUIET CUSHION



BOLON

MI Studios | North American Partner
27 West 24th St, Suite 601, New York, NY 10010 | +1 212 252 2049 | info@mi-studios.com | mi-studios.com

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

RF-004-BU

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Stair Nosing
Item Type	Stair Nosing
Description	Stair nosing for use with LVT floor
Manufacturer	Schluter Systems
Model	TREP-SE-S-B
Dimensions	2 1/8" Wide
Color	Black
CSI #	096500 - Resilient Flooring
Omniclass #	22-096500
Quality Standards	ASTM E648 Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source; ASTM F2169 Standard Specification for Resilient Stair Treads
Accessibility Compliance	Complies with ASNI A117.1 for visually-contrasting nosing color
Part of an Assembly	N

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Schluter Systems
Contact Name: Customer Service
Phone: (888) 472-4588
Email: anielfen@schluter.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Stairs

RF-004-BU

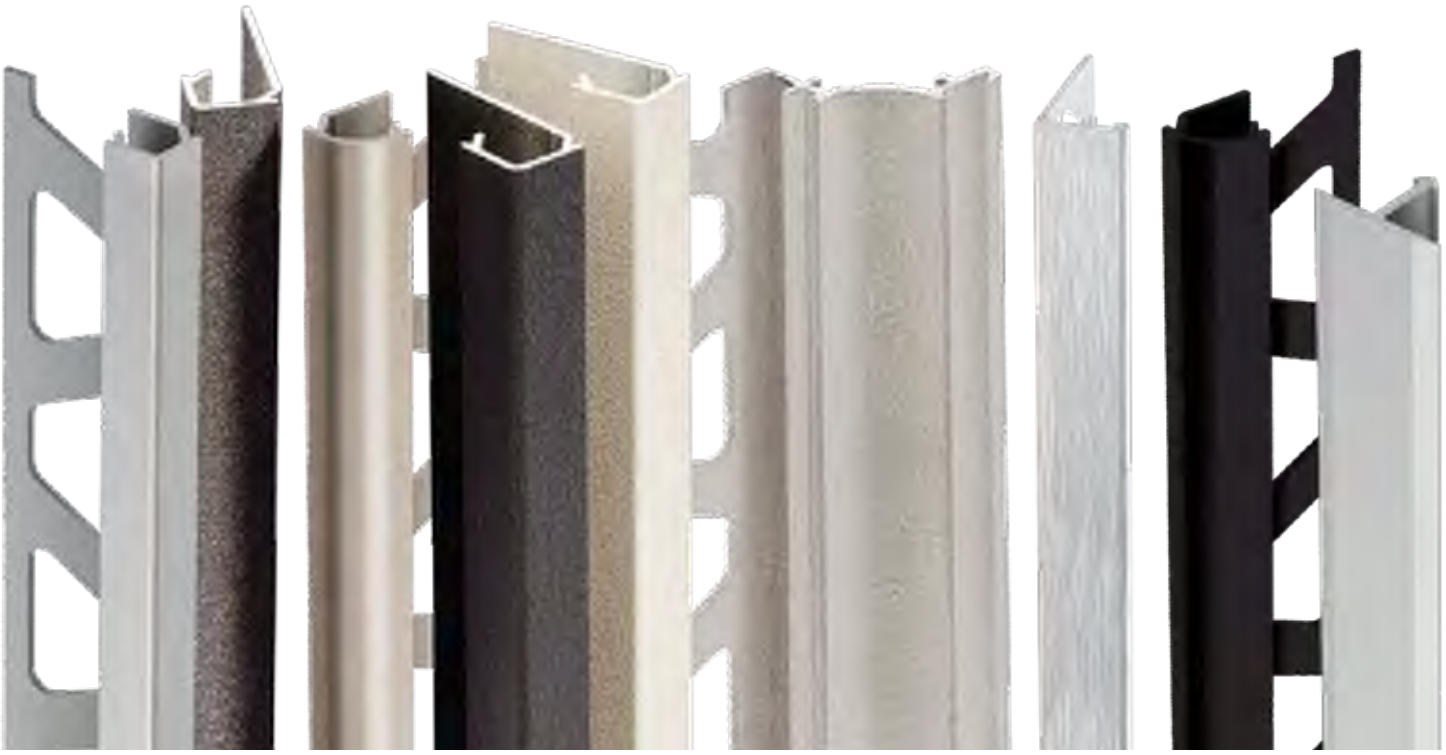
Schluter®-Profiles

Details make the difference

Schluter Systems®

PROFILE OF INNOVATION

Protect.
Define.
Design.



Ensure the integrity of your tile installation and embrace your design options with Schluter finishing and edge-protection profiles.

Protect Tile Edges

Tile edges can be quite brittle, and if left unprotected, the exposed edges will likely crack and chip. Schluter offers a variety of finishing and edge-protection profiles to protect tile edges at outside and inside corners, on walls and floors.

Shapes & Sizes & Colors & Finishes

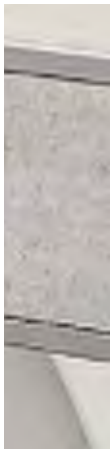
A large selection of finishing and edge-protection profiles available in a vast assortment of materials, finishes, and colors offers you increased flexibility in design. Trim and protect your tile with a finishing profile in classic metals, color-coated or textured color-coated aluminum, or PVC. From sleek to square to round to fine, you're sure to find a shape that suits your style.

No More Caulking

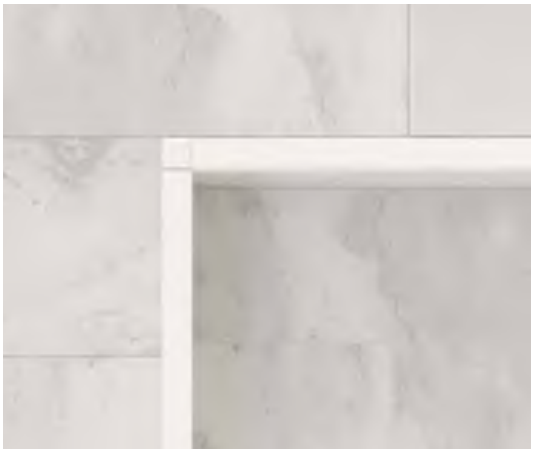
Cove-shaped profiles provide an attractive, clean, and maintenance-free alternative for inside wall corners and floor/wall (including countertop/backsplash) transitions. They're practical, easy to clean, and eliminate the need for caulk!

RF-004-BU

Crisp whites and subtle metallics come together to create a tranquil, modern his and hers space.



RF-004-BU



QUADEC square-shaped profiles taper off the tile edges of the vanity and niche while DILEX-BWA eliminates the need for caulking between the vanity and pony wall.

RF-004-BU

TRENDLINE textured color-coated aluminum finishes, allow you to craft cohesive designs with your tile. Whether you choose to create a complementary or contrasting look, the design possibilities are endless.

RF-004-BU

The QUADEC profile in Cream subtly accentuates the niche, while the DILEX-EKE blends in with the grout and the DECO-SG renders itself nearly invisible as it holds the glass shower wall.

RF-004-BU

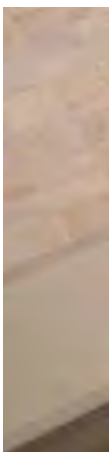
What is more striking than black on white? In this bathroom, the black shower drain blends in with the shower floor while crisp white profiles contour the niche and nestle between the floor and wall.

RF-004-BU

JOLLY offers a discreet and minimalist reveal to elegantly frame the elongated niche. DILEX-EKE eliminates the need for grout and separates the individual tile fields at the floor/wall transition. DECO-SG acts as a support channel for the glass wall.

RF-004-BU

Details make the difference in this quaint bathroom. Tiled walls with matching profiles give the allure of a larger space, while the tileable grate virtually disappears into the shower floor.



QUADEC square-shaped profile and corners used to finish the tile edges on the wall, shower curb and niche. DILEX-EKE PVC corner movement joint profile used to create a seamless transition between the shower walls and floor.

RF-004-BU

Modern and warm greys are complemented by polished chrome accents in this stately bathroom featuring a tiled countertop and curbless shower.

The shower niche and tiled countertop are framed using the QUADEC profile in polished chrome anodized aluminum. DILEX-EKE seals abutting walls in the shower.

RF-004-BU

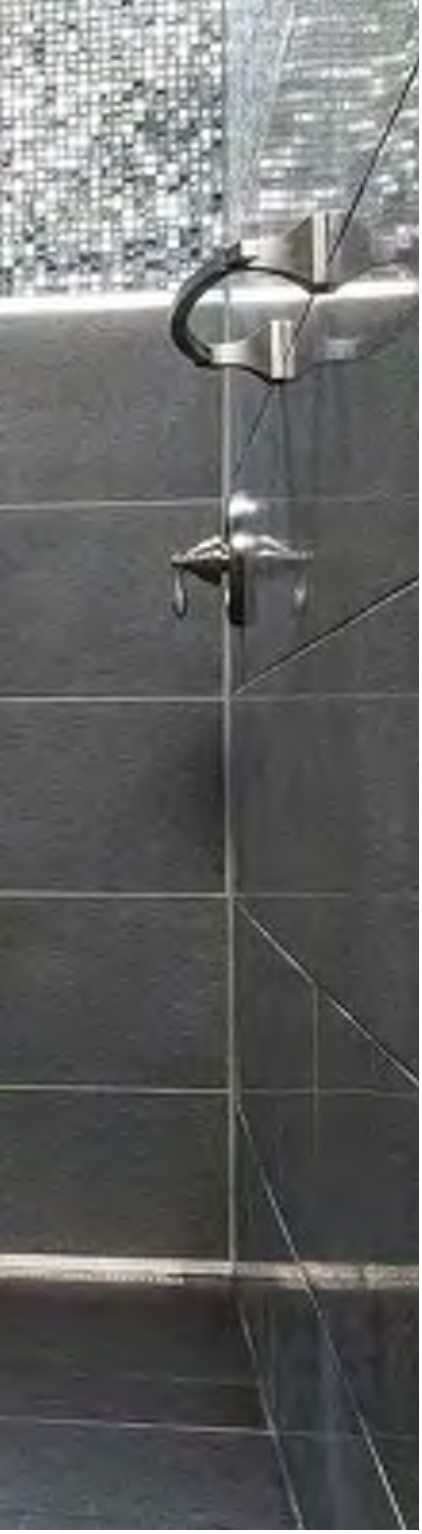
This rustic chic bathroom features a curbless shower with large-format floor tile and matte black fixtures.

RF-004-BU

The clean and modern look of QUADEC profiles in matte white frame the vanity countertop, pony wall, and shower niche. JOLLY protects the outside edges of the shower wall, while DILEX-EKE acts as a transition from floor to wall in the shower.

RF-004-BU

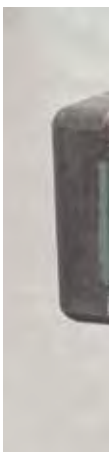
Stainless steel profiles and a sleek linear drain accent the stunning mosaic tile in this contemporary curbless bathroom.



RONDEC bullnose profile and corner piece accessories used to finish the tile edges on the partition wall and shower bench. DESIGNLINE decorative profile applied to the wall. DILEX-EKE PVC corner movement joint profile inserted in the shower corners and along the bench to create a seamless transition. SHOWERPROFILE-S system profile eliminates cutting the wall tile to match the slope of the shower base, and allows for an easy installation of the first course of tile along the top edge of the profile.

RF-004-BU

White and pewter profiles blend with the floor and wall tiles, while a beautiful glass mosaic wall and elegant linear drain complement this modern bathroom.



RF-004-BU

RONDEC bullnose profile and matching corners used to finish the tile edges on the walls, tub surround, shower bench, and to trim the shower niche. RONDEC-CT double-rail edging profile applied to the sink rail. DILEX-AHK cove-shaped profile used to create a smooth transition between the walls and floor. SHOWERPROFILE-S system profile eliminates the need to cut the wall tile to match the slope of the shower base, and allows for an easy installation of the first course of tile along the top edge of the profile.

RF-004-BU

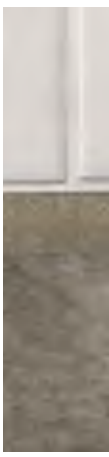
Matte white profiles blend seamlessly into the tile around the window area and between the countertop and backsplash.

RF-004-BU

RONDEC-STEP edges out the tiled countertop while QUADEC frames out the tiled window ledge. DILEX-BWA replaces the need for grout between the countertop and wall tile.

RF-004-BU

Beige profiles blend perfectly with the large-format tiles on the countertop, as well as frame the mosaic insert in the backsplash.

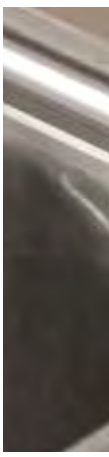


RF-004-BU

RONDEC-CT double-rail edging profile applied to the sink rail. RONDEC bullnose profile used to finish the tile edges of the backsplash, and produce the tiled-under sink. DILEX-AHK cove-shaped profile used to create a smooth transition between the countertop and backsplash. QUADEC-FS double-rail edging profile used to frame the mosaic insert in the backsplash. DILEX-EKE PVC movement joint profile inserted in the backsplash corners for a seamless transition. Matching corners used throughout.

RF-004-BU

The satin anodized aluminum profile on the sink rail creates a bold, sleek finish in this kitchen design.



RONDEC-STEP edging profile applied to the sink rail. RONDEC bullnose profile and large radius sink corners used to produce the tiled-under sink. DILEX-AHK cove-shaped profile used to create a smooth transition between the countertop and backsplash.

RF-004-BU

Subway tiles on the backsplash, porcelain tiles with granite look, and brushed aluminum profiles that match the appliances create this contemporary kitchen.

RF-004-BU

RONDEC bullnose profile and corners used to finish the countertop trim and tile edges of the backsplash. RONDEC was also used to produce the tiled-under sink. RONDEC-CT double-rail edging profile applied to the sink rail. DILEX-AHK cove-shaped profile used to create a smooth transition between the countertop and backsplash.

RF-004-BU

Transitioning from the tile floor to carpet is done effortlessly in this adjoining dining room and living room space, while adding a clean, finishing touch that blends in perfectly with the decor.

RF-004-BU

RENO-TK floor profile used to create a smooth transition between the tile and carpet. RONDEC bullnose profile and matching corners used to finish the edges of the tile base. DILEX-EKE PVC corner movement joint profile used to create a seamless transition between the floor and wall.

RF-004-BU

RENO-V floor profile used to create a smooth transition between the tile and wood.

RF-004-BU

RENO-TK floor profile used to create a smooth transition between the tile and carpet. RONDEC bullnose profile and matching corners used to finish the edges of the tile base. DILEX-EKE PVC corner movement joint profile used to create a seamless transition between the floor and wall.

RF-004-BU

Schluter®
Profiles

Leaving tile edges unfinished not only leads to damage, it also drastically diminishes the aesthetic appeal of the design. Schluter® profiles finish and protect tile edges, helping to ensure your installation will stand the test of time.

10-Foot *(3.05 m)* Profile Options Also Available!

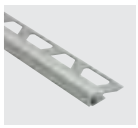
All profiles come in a standard length of 8' 2-1/2" *(2.5 m)*. In addition, many profiles are available in 10' *(3.05 m)* lengths to accommodate elevated ceiling heights and longer spans.

Look for the 3 symbol in our product tables on pages 38-39 to find available models and colors.

✓ **Longer spans** ✓ **Fewer joints** ✓ **Less waste**

Tile Edges and Outside Wall Corners

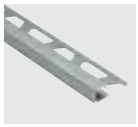
Profiles for tiled edges and outside wall corners finish and protect exposed edges of tiled surfaces such as walls and countertops.



Schluter®-RONDEC

Bullnose profile creating a soft finish to a tiled edge or outside corner installation.

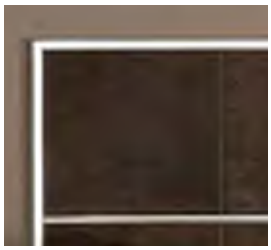
Accessories include: inside and outside corner pieces, sink corner pieces, end caps, and connectors.



Schluter®-QUADEC

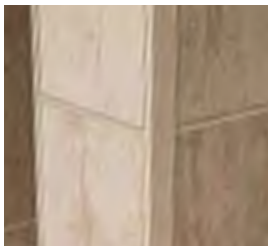
Square-shaped profile creating a sleek look.

Accessories include: inside and outside corner pieces, end caps, and connectors.



Schluter®-JOLLY

Straight-edge profile for the outside corners of tiled surfaces on walls. Ideal for creating decorative transitions on walls.

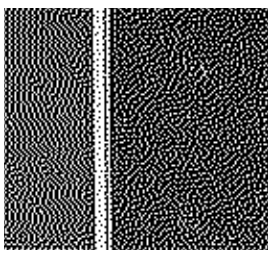


Schluter®-FINEC

Slim reveal profile to finish external tile edges with a discreet, minimalist design. Ideal for protecting mitered edges.

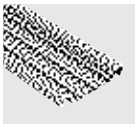
Schluter®-DECO-DE

Stainless steel profile for 135° outside corners of tiled surfaces.



Decorative Profiles

Decorative strip profiles are used to create design accents and interesting contrasts in the tile field. They can be used to frame a mosaic insert, create a break between two different tiles, or as a decorative accent to break up a large tile field.



Schluter®-QUADEC-FS

Double-rail feature strip profile with square edges matching QUADEC. Features a recessed section for field or accent tile inserts.

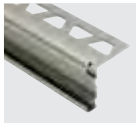
Accessories include: inside and outside corner pieces.

Schluter®-DESIGNLINE

Border profile used to create decorative designs in tile fields on walls or floors.

Countertops

Profiles for countertops finish and protect exposed edges of tiled surfaces. The various finishes available offer endless design possibilities.



Schluter®-RONDEC-CT

Double-rail profile with symmetrically rounded edges matching RONDEC. Features a recessed section for field or accent tile inserts.

Accessories include: inside and outside corner pieces.

Schluter®-RONDEC-STEP

RONDEC-STEP features a symmetrically rounded edge and is available in various finishes of anodized aluminum.

Accessories include: 90° and 135° inside and outside corners.

Schluter®-SCHIENE-STEP

Designed to cover the sub-assembly. SCHIENE-STEP is offered in brushed stainless steel and features a thin, straight edge.

Accessories include: inside and outside corner pieces and connectors.

For a complete list of Schluter® profiles please visit www.schluter.com

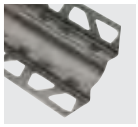
Inside Wall Corners

Cove-shaped profiles eliminate the need for caulking, are easy-to-clean and do not trap debris or moisture, making them suitable for use in areas with strict hygienic requirements such as showers and kitchen countertops.

Schluter®-DILEX-AHK

Anodized aluminum profile for applications where limited movement is expected.

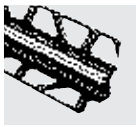
Accessories include: inside and outside corner pieces, end caps, and connectors.



Schluter®-DILEX-EHK

Stainless steel profile for for applications where limited movement is expected.

Accessories include: inside and outside corner pieces, end caps, and connectors.



Schluter®-DILEX-EKE

PVC movement joint profile forming a discreet, uniform joint. Available in various colors to match grout.

Perimeter Joints

A perimeter joint is designed to allow movement and reduce stress in large, tiled areas. These types of profiles also eliminate the need for caulking to create a sleek, permanent movement zone that isolates the tile covering from fixed building elements, such as bathtubs and shower trays. Profiles are available in an assortment of colors and finishes to match the grout.

Schluter®-DILEX-BWA

PVC perimeter joint profile that isolates the tile covering from fixed building elements. Available in various colors to match grout.

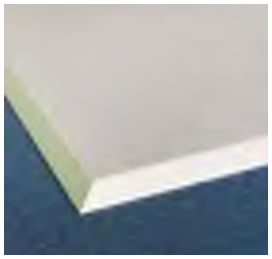
For a complete list of Schluter® profiles please visit www.schluter.com

Floor Transitions

Transitions from a tiled floor to other surfaces need to be protected, and floor profiles are designed to ensure a smooth transition, while preventing tile edges from chipping and cracking.

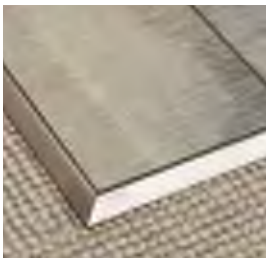
Schluter®-RENO-U

Designed to protect tile edges and provide a smooth transition between tile coverings and floor coverings at lower elevations by abutting both surfaces.



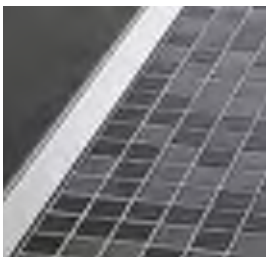
Schluter®-RENO-TK

Designed to protect tile edges and provide a smooth transition from tile coverings to floor coverings at lower elevations, typically carpet.



Schluter®-RENO-V

Designed to protect tile edges and provide a smooth transition between tile coverings and floor coverings at lower elevations.



Schluter®-RENO-T

Designed to provide transitions between existing, same-height, hard surface floor coverings.

Schluter®-SCHIENE

Designed to protect tile edges that are typically bordered by carpet, at expansion joints, or as decorative edging for stairs.

For a complete list of Schluter® profiles please visit www.schluter.com

FINISHES and COLORS

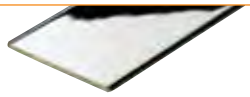
Products \ Finishes	Anodized Aluminum																				Stainless Steel	
	A	ABGB	ACB	ACG	ACGB	AE	AGR	AGRB	AGSB	AGSG	AK	AKG	AKGB	AM	AMB	AMG	AMGB	AT	ATG	ATGB	E	EB
Edge-protection and transition profiles for floors																						
SCHIENE also JOLLY	■	■ 3		■ 3	■	■ 3					■	■	■	■		■	■	■ 3	■	■	■ 3	■
DECO						■															■	
RENO-T						■					■			■				■			■	■
RENO-TK		■	■			■					■		■		■			■		■	■	■
RENO-U		■	■			■					■		■	■	■			■		■	■	■
RENO-RAMP/-K						■																
RENO-V						■								■								
Finishing and edge-protection for walls and countertops																						
JOLLY also SCHIENE		■ 3		■ 3	■	■ 3		■		■	■	■	■	■		■	■	■ 3	■	■	■ 3	■
QUADEC		■		■ 3		■												■		■	■	■
QUADEC-FS		■		■		■												■				
RONDEC		■		■ 3	■	■ 3	■		■	■	■	■	■	■		■	■	■ 3	■	■	■	■
RONDEC-DB						■ 3					■			■								
RONDEC-STEP		■			■	■					■		■	■			■	■		■		
RONDEC-CT					■	■					■		■	■			■	■		■		
INDEC				■		■																
DESIGNLINE				■	■	■					■	■	■	■		■	■	■	■	■	■	■
DECO-DE																					■	■
Movement joint and cove-shaped profiles																						
DILEX-AHK				■	■	■		■			■	■	■	■		■	■	■	■	■		
DILEX-AHKA					■	■												■		■		
DILEX-EHK/-HKU																					■	■

■ 3 Available in 10' *(3.05 m)* length. Standard length is 8' 2-1/2" *(2.5 m).*

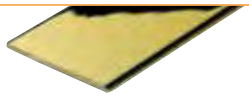
Stainless Steel, Chrome-plated Brass, and Solid Brass

E Stainless steel 304
High-grade
stainless steel 316 L

EB Brushed stainless steel



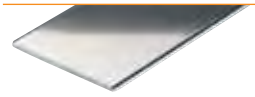
MC Chrome-plated
solid brass



M Solid brass

Anodized Aluminum

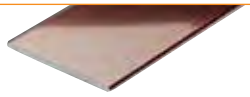
Polished and bright anodized aluminum



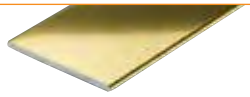
ACG Polished chrome
anodized aluminum

ACB Bright chrome
anodized aluminum

ATG Polished nickel
anodized aluminum



AKG Polished copper
anodized aluminum



AMG Polished brass
anodized aluminum

AMB Bright brass
anodized aluminum

AGSG Bright black
anodized aluminum

Satin anodized aluminum

AE Satin anodized aluminum

AT Satin nickel
anodized aluminum

AK Satin copper
anodized aluminum

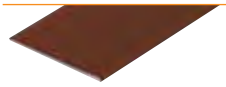
AM Satin brass anodized
aluminum

AGR Graphite anodized
aluminum

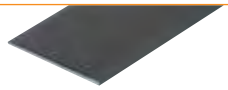
Brass		Textured Color-coated Aluminum											
M	MC	MBW	MGS	TSB	TSBG	TSC	TSDA	TSG	TSI	TSLA	TSOB	TSR	TSSG
■													
■	■												
■													
■													
■													
■	■	■	■	■	■	■	■	■	■	■	■	■	■
		3	3	3	3	3	3	3	3	3	3	3	3
	■	3	3	3	3	3	3	3	3	3	3	3	3
				■				■			■		
	■												
				■	■	■	■	■	■	■	■	■	■
				■	■	■	■	■	■	■	■	■	■

Schluter®-TRENDLINE

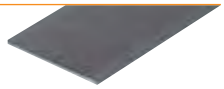
Textured Color-coated Aluminum



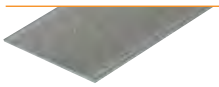
TSR Rustic brown textured color-coated aluminum



TSDA Dark anthracite textured color-coated aluminum



TSLA Light anthracite textured color-coated aluminum

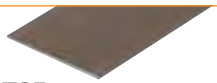


TSSG Stone grey textured color-coated aluminum

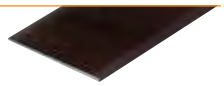
TSC Cream textured color-coated aluminum

TSBG Greige textured color-coated aluminum

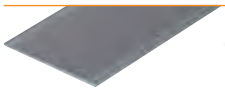
TSI Ivory textured color-coated aluminum



TSB Beige textured color-coated aluminum



TSOB Bronze textured color-coated aluminum



TSG Pewter textured color-coated aluminum

MBW Matte white textured color-coated aluminum

MGS Matte black textured color-coated aluminum

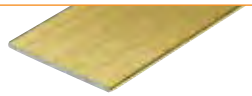
Anodized Aluminum

Brushed anodized aluminum

ACGB Brushed chrome anodized aluminum

ATGB Brushed nickel anodized aluminum

AKGB Brushed copper anodized aluminum



AMGB Brushed brass anodized aluminum

ABGB Brushed antique bronze anodized aluminum

AGRB Brushed graphite anodized aluminum

AGSB Brushed black anodized aluminum

PVC & Color-coated Aluminum

BW Bright white

BH Bahama

RB Red brown

HG Light grey

GM Metallic grey

W White

HB Light beige

SB Black brown

PG Classic grey

QG Quartz grey

SP Sand pebble

NB Nut brown

GS Black

G Grey

VG Traffic grey

Note: Due to variations in raw materials and manufacturing, the exact color, shade, and/or texture of individual profiles and related components (e.g., corners, end caps, connectors, etc.) may vary. The customer must inspect the products upon delivery and notify Schluter in writing of any physical damage to the products or nonconformity with the purchase order or invoice.

Schluter Systems L.P. • 194 Pleasant Ridge Road, Plattsburgh, NY 12901-5841 • Tel.: 800-472-4588 • Fax: 800-477-9783
Schluter Systems (Canada) Inc. • 21100 chemin Ste-Marie, Ste-Anne-de-Bellevue, QC H9X 3Y8 • Tel.: 800-667-8746 • Fax: 877-667-2410

www.schluter.com

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02/2021
553427

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

RF-005-CW

Revision 1

Real Living Decor Package

Issue Date: Nov 23, 2022
Revision Date:

Item Name	Resilient Flooring
Item Type	Loose Indoor/Outdoor Floor Mat
Description	Slip Resistant latex backed woven floor mat
Manufacturer	Chilewich Contract
Model	Self Bound Loose Rug, Style: Boucle
Dimensions	96"x 120", 0.14" thick
Color	Ink
Material Composition	Terrastrand yarns with 25% renewable vegetable content. 100% phthalate free
CSI #	096500 - Resilient Flooring
Omniclass #	22-09 65 00 - Resilient Flooring
Fire/Smoke Rating	Critical Radiant Flux, ASTM E648 Class 1; Smoke Density ASTM E662-03 <400
Accessibility Compliance	Slip Resistance: ASTM C 1028 greater than 0.70
Part of an Assembly	N

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Chilewich Contract
Contact Name: Al Minite
Phone: 202.333.8184
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Community

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

RF-006-IF

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Resilient Vinyl Flooring
Item Type	Resilient Vinyl Plank Flooring
Description	Luxury Vinyl Tile Wood Grain Planks
Manufacturer	Interface Americas, Inc.
Model	Textured Woodgrains A004
Dimensions	25CM X 1M X 4.5mm
Color	A00406 Antique Light Oak
Finish	Ceramor
Material Composition	Heavy Performance Luxury Vinyl Tile
CSI #	096500 - Resilient Flooring
Omniclass #	22096500 - Resilient Flooring
Classification	ASTM F1700: Class III printed firm vinyl plank Type B Embossed
Best Practices	Floor Score Certified
Quality Standards	Minimum wear layer thickness of 20 mils (0.020”), having vinyl content of not less than 34 percent, and having uniform disbursement of color throughout the thickness of the tile.
Accessibility Compliance	Coefficient of Friction (ASTM D2047, Slip Resistance)
Accessories	Underlayment: Selitbloc 999162 1.5 mm thick
Warranty	15-year Limited Commercial Wear Warranty
Notes	LVT specified for Stairwell must match the LVT procured for Guestrooms.

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

SPECIAL INSTRUCTIONS

Random Ashlar installation, glue down application. Glue underlayment to the slab then glue the LVT to the underlayment. Seam seal between LVT planks in wet areas for added protection. Follow the manufacturer's instructions for more detail for both installation and maintenance. Do not drill through the LVT as this will void the warranty and create a pinch point in the room which will be of concern. interface will provide seaming diagrams and take-offs upon request.

Install underlayment with moisture barrier facing up. Align underlayment to ensure there are no gaps or overlapping seams.

MANUFACTURER	AREAS
Vendor Name: INTERFACE AMERICAS INC Contact Name: Phone: Email:	Stairs
ALTERNATE MANUFACTURER 2	
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

RF-006-SHI

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Resilient Vinyl Flooring
Item Type	Resilient Vinyl Plank Flooring
Description	Luxury Vinyl Tile Wood Grain Planks with Attached Underlayment
Manufacturer	Shaw Industries, Inc.
Model	LV 176-00700 SP
Dimensions	6"W X 48"L X 5mm
Color	00700
Finish	Distressed Oak Plank, Exogard Quartz-Enhanced Urethane
Material Composition	Heavy Commercial Luxury Vinyl Tile With Fiberglass
CSI #	096500 - Resilient Flooring
Omniclass #	22096500 - Resilient Flooring
Classification	ASTM F1700: Class III printed firm vinyl plank Type B Embossed
Best Practices	Floor Score Certified; 3rd Party Certified in Accordance with ISO 14025, EN 15804, & ISO 21930:2017
Quality Standards	Minimum wear layer thickness of 20 mils (0.020”), having vinyl content of not less than 34 percent, and having uniform disbursement of color throughout the thickness of the tile.
Accessibility Compliance	Coefficient of Friction (ASTM D2047, Slip Resistance)
Accessories	Commercial Limited Underbed Bond Shaw 4100, S150 Or Shaw 4151
Warranty	20-year Limited Commercial Wear Warranty
Notes	LVT specified for Stairwell must match the LVT procured for Guestrooms.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: SHAW INDUSTRIES INC
Contact Name: David Burn
Phone: 301.520.9360
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Stairs

Stone

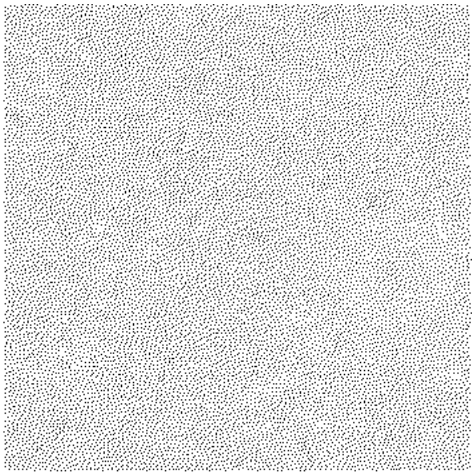
Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

CT-001-BS

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022



Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Belstone
Model	Dodi
Dimensions	Refer to Design Guideline Drawings
Color	Demitasse
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Notes	Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 2

Vendor Name: MGroup
Contact Name: Drew Murray

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Public Restrooms

Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 3

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

ALTERNATE MANUFACTURER 4

Vendor Name: Daltile
Contact Name: Morgan Stephenson
Phone: (214) 309-4531
Email: morgan.stephenson@daltile.com

Elevator Lobby
Hydration Station

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

CT-001-DA

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Daltile
Model	One-Quartz
Dimensions	Refer to Design Guideline Drawings
Color	QQ20-Aspen Gray
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Thickness	2cm Unless Otherwise Noted. Refer to Details Eased Edge.
Notes	Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: Daltile
Contact Name: Morgan Stephenson
Phone: (214) 309-4531
Email: morgan.stephenson@daltile.com

AREAS

Hub
On Us
Buffet

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

ALTERNATE MANUFACTURER 2

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 3

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 4

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

Flex
Fitness Center
Employee Areas
Public Restrooms
Hydration Station
Lobby

CT-001-DA

WALL | COUNTERTOPS

ONE QUARTZ SURFACES®

daltile®

ONE QUARTZ SURFACES®

TABLE OF CONTENTS

5	MARBLE LOOK
11	STONE LOOK
17	CONCRETE LOOK
21	MONOCHROMATIC LOOK
27	PRODUCT INFORMATION

SLAB

USAGE

FLOOR

WALL

COUNTERTOP

SHOWER FLOOR

EXTERIOR FLOOR

SPECIAL FEATURES

STEPWISE

TRU-EDGE

MADE IN THE U.S.A.

LARGE FORMAT

MOSAIC/ DECO

ENCAUSTIC

TERRAZZO

PAVER

CUSTOMIZE

FLEXFIT™

Q

LOW HIGH

SEE CHARTS FOR FULL PRODUCT DETAILS

*MADE IN THE USA WITH IMPORTED MATERIAL.

FROM NATURE CHIC – TO CITY SLEEK

With the ONE Quartz Surfaces® assortment, we've brought together the beauty of quartz and modern technology to create new and exciting possibilities. ONE Quartz Surfaces® gives you more design choices for your next project. The low maintenance and durability of ONE Quartz Surfaces® countertops make it perfect for any application, commercial or residential. Functional yet chic, that's what ONE Quartz Surfaces® is all about.

AVAILABLE IN:

Within these unique series, you'll have more selection than ever before.

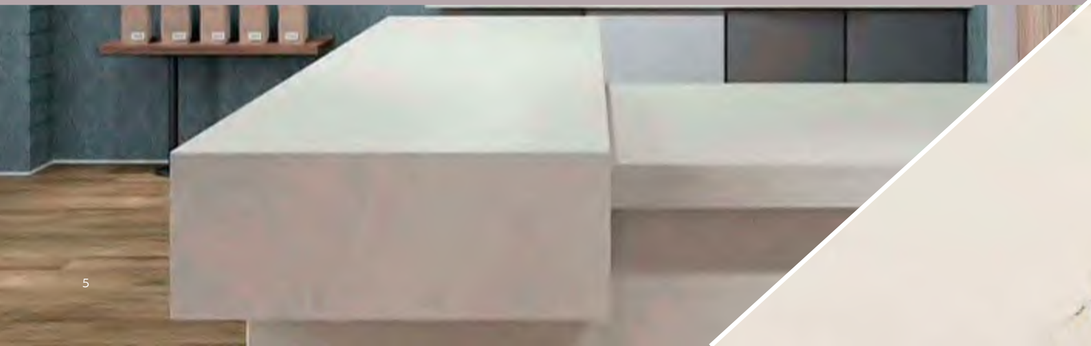
- Marble Look
- Stone Look
- Concrete Look
- Monochromatic Look

CT-001-DA

MARBLE LOOK

Dazzle in design with charming details which embody the luxury of the finest marble. Create drama with striking vein patterns, or infuse tranquility with subtle marbling. This look allows you to create elegant styles with outstanding durability.

Made in the USA with imported material.



CT.001.DA

RUSHMORE OQ41

FREEDOM CALACATTA OQ42

WASHINGTON OQ43

LIBERTY CALACATTA OQ44

LIBERTY GOLD OQ45

PATRIOCTIC CALACATTA OQ47

CT-001-DA

INDEPENDENCE CALACATTA OQ48

STATUARY UNITY OQ53

STATUARY GLORY OQ52

WHITE STATUARY NQ12

CALACATTA NQ06

CARRARA VEIL OQ12

CARRARA AURA OQ09

BROADWAY BLACK OQ03
Also stocked in Leather finish

CT.001.DA

STONE LOOK

Enjoy the opulent beauty of stone with the benefits of extraordinary endurance. From travertine and limestone visuals, the many color choices are versatile for any design. Increase the style in your space with a majestic stone look.

Made in the USA with imported material.

VALOR WHITE OQ55

CAPITOL BEIGE OQ57

NOBLE GREY OQ56

ARCHES OQ33

NIAGARA OQ32

ROCKY MOUNTAIN OQ34

GOLDEN GATE OQ37

JASMINE WHITE OQ27

KODIAK OQ21

ASPEN GREY OQ20

WHITE SAND NQ97

ALMONDINE NQ36

EQUINOX OQ23

AVENUE WHITE OQ01
Also stocked in Leather finish

ALPINE WINTER OQ19

RIVERBANK NQ93

CONCRETE LOOK

Concrete features organic natural looks, bustling with city style and sophistication. Add an urban chic feel with looks that closely mimic the essence of poured concrete, while the smooth matte finish adds a touch of refinement.

Made in the USA with imported material.

CT 001-DA

LINCOLN WHITE NQ59

ASH GREY NQ69
Also stocked in Honed finish

CABRINI GREY NQ51

MERCER GREY NQ52

LUDLOW TAN NQ55

COLUMBUS BROWN NQ56

CONCRETE GREY NQ87

MONOCHROMATIC LOOK

Infuse your space with the raw beauty of a monochromatic look. Choose from a speckled look with flecks of character or subdued solids for a more contemporary space. From the purest white to the blackest black, the opportunities are endless.

Made in the USA with imported material.

CT.000.DA

CHIPPED ICE NQ91

MORNING FROST NQ30

WOVEN WOOL NQ09

SIMPLY WHITE NQ76
ONE Quartz Basics

SIMPLY GREY OQ30
ONE Quartz Basics

SIMPLY BEIGE OQ29
ONE Quartz Basics

WHITE ICE NQ90

FRESH LINENS NQ66

EVENING GREY NQ43

BRUSHED FLANNEL NQ60

MESA DUNE NQ89

METEOR SHOWER NQ25

PRODUCT **INFORMATION**

PRODUCT INFORMATION

Finishes	Actual Size		Thickness
	DOMESTIC COLORS	IMPORTED COLORS	
Polished	135-7/8" x 78-3/4" (345 cm x 200 cm)	Please reach out to local stone center for size details on all sourced products. Slab sizes vary.	1-1/4" (3 cm) & 3/4" (2 cm)

Custom slab finishes in semi-polished, honed and leather are available by special order.

Not all colors available in alternative finishes. Please contact your local slab center for availability.

			RESISTANCE						
	PRICE	STYLE	CHIPS	HEAT	STAIN	SCRATCHES	SEALING REQUIRED	MAINTENANCE	PROS
ONE QUARTZ SURFACES®	$$$	•••	•••	•••	•••	•••	NO	NO	Highly stain resistant Excellent for undermount sinks Engineered, so has consistent look Tons of colors to choose from

••• EXCELLENT
•• GOOD
• FAIR

Fifteen Year Limited Warranty, visit daltile.com for complete warranty details.♦

♦Sourced SKUS

Twenty Five Year Commercial Limited Warranty, visit daltile.com for complete warranty details.

Lifetime Residential Limited Warranty, visit daltile.com for complete warranty details.*

*Made in the U.S.A. with imported material.

MADE IN THE USA WITH IMPORTED MATERIAL.

To See Approved Colors, Please Check The Below Link:
info.nsf.org/Certified/Food/Listings.asp?Company=C0536133&Standard=051

PRODUCT **INFORMATION**

INSTALLATION

Grout Joint Recommendation	Shade Variation
Tile : 1/16"	Medium (V2)

APPLICATIONS

	Target DCOF wet	Suitable
Dry & Level – Interior Floor	N/A	
Wet & Level – Interior Floor	≥ 0.42	
Shower Floors (Residential or Light Commercial)	≥ 0.42	
Exterior Floor Applications (including pool decking & other wet areas with minimal footwear)	≥ 0.60	
Ramps & Inclines	≥ 0.65	
Walls/Backsplashes	N/A	✓
Countertops	N/A	✓
Pool Linings	N/A	

ONE Quartz Surfaces do not meet minimum coefficient of friction thresholds recommended by safety standard-setting organizations. Water, oil, grease, etc., create slippery conditions. Floor applications with exposure to these conditions require extra caution in product selection.

Quartz not suitable for exterior applications due to small resin content. The sun will etch the material.

SLAB PERFORMANCE CHARACTERISTICS

	Test Method	Average Result*
Abrasion Wear Index	ASTM C501	≥ 135
Bulk Specific Gravity	ASTM C97	≤ 2500 kg / cubic meter
Chemical Resistance	ASTM C650	Resistant to typical household cleaners
Coefficient of Thermal Expansion	ASTM C531	≤ 4.0 • 10^{-5} °C^{-1}
Flexural Strength	ASTM C880	≥ 35 MPa
Water Absorption	ASTM C97	≤ 0.10%
Scratch Resistance (Mohs Hardness)	ASTM C1895	≥ 5
Stain Resistance	ANSI Z124.6	Pass
Thermal Shock Resistance	ASTM C484	Pass – No Effect

* Custom testing results by color are available upon request.

NOTES

ONE Quartz Surfaces products are nonporous, reducing the potential for bacteria growth, resist common food stains and are stronger than natural granite.

ONE Quartz Surfaces products are virtually maintenance free.

ONE Quartz Surfaces products contain natural quartz stone providing consistent color and visual movement. A wide range of color options allow for more design freedom.

ONE Quartz Surfaces products have a durable, scratch-resistant surface.

ONE Quartz Surfaces products are heat and scorch-resistant under normal cooking conditions (use of a trivet is recommended for longer or extreme heat exposure).

Visit daltile.com/countertops-product-category/one-quartz for additional polished, semi-polished, honed and leather finish details.

Twenty-Five year limited warranty. Visit daltile.com/countertops-product-category/one-quartz or details.

Fifteen-year limited warranty on imported materials.
Visit daltile.com/countertops-product-category/one-quartz for details.

White thin-set or mortar is recommended for the lighter colors of ONE Quartz Surfaces tiles.

WARNING: This product can expose you to chemicals known to the State of California to cause cancer, including crystalline Silica (airborne particles of respirable size) in dust created if the product is dry cut/ground/polished or pulverized during fabrication/installation/removal. For more information, go to www.P65Warnings.ca.gov.

For information refer to "Factors to Consider" at daltile.com/Factors.

DIMENSIONAL **STONE**

QUARTZ TAKES ON A WHOLE NEW DIMENSION

Our Dimensional team offers complete cut to size projects imported directly to the jobsite. Brought to you by the experts at Daltile®.

FORGET ONE-SIZE-FITS-ALL.

Or shape, for that matter. Our Dimensional program offers procurement, fabrication, and delivery for any project-all executed to your specifications.

Our team will help you identify exactly what you need to bring your vision to reality. Acting as a dedicated project manager, they'll walk you through every step, from inception to completion. Ask about our quantity survey, shop drawing and cutting ticket services!

LEAVE YOUR LIMITS BEHIND.

In addition to our standard product offering, we can also match most any color pallet. The experts at Daltile won't hesitate to make sure your project takes shape with complete coordination and precision.

STEP-BY-STEP

CUSTOM CUT TO YOUR SPECS. ON YOUR TERMS.

- We provide a digital take-off to identify the project scope, which includes materials, size, quantity, and edge treatment.
- You'll receive samples and pricing - we'll also provide support during the bid process to help determine the right material for the right location.
- Then you'll review CAD-generated shop tickets for confirmation that your goals are achieved.
- Now, your stone can be fabricated, delivered on time, within sequence, and ready to install.
- Each project is reviewed by an independent Daltile inspector. They ensure that color, size, calibration, and packaging meets your requirements prior to shipment.

LET US HANDLE ALL THE DETAILS

Contact your local Daltile Architectural Representative, Sales Representative or visit daltile.com to get started.

TECHNICAL **DATA**

QUALITY QUARTZ SURFACE

Test Items	Test Methods	Result
Absorption by Weight	ASTM C97/C97M-09	0.06%
Density	ASTM C97/C97M-09	148 lbs/ft^3
Abrasion Resistance	ASTM C241/C241M-13	47
Flexural Strength	ASTM C880/C880M-09	"dry" 34.9 Mpa "wet" 37.5 Mpa
Compressive Strength	ASTM C170/C170M-14	"dry" 192 Mpa "wet" 185 Mpa
Breaking Strength	ASTM C 648-09	5100 N
Thermal Expansion	ASTM C531-00(2012)	30.9 × 10^{-6}/°C
Chemical Resistance	ASTM C650-04(2009)	Not Affected
Abrasion Wear Index	ASTM C501-84(2009)	Wear Index: 136

TECHNICAL SPECIFICATION

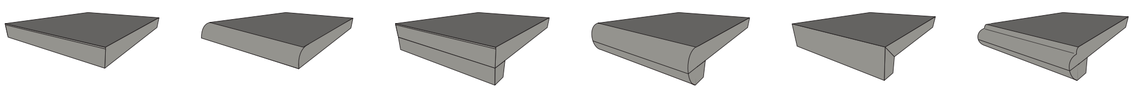
Quartz is one of nature's hardest minerals. Our surfaces are composed of 93% quartz, and are therefore designed to last.

In a unique Daltile process, we take the innate strength of quartz and combine it with numerous polymers and dashes of pigments. The result: A range of durable and beautiful quartz surfaces in a wide variety of colors and finishes.

100% Engineered Stone | **Non Porous** | **Easy to Clean** | **Low Maintenance** | **Shock Resistant** | **Stain Resistant** * | **Scratch Resistant** | **Everlasting Sheen** | **Modern Collection of Colors**

* Only West Village Series

EDGES FOR QUARTZ



EASED
Traditional Edge

DEMI BULLNOSE
Added Movement

LAMINATED
Economically Bold

BULLNOSE LAMINATED
Safe and Modern

MITERED
Seamless Depth

OGEE LAMINATED
Elegance in Curves

ONE **QUARTZ®** FAQ

QUARTZ IS A VERSATILE, DURABLE MATERIAL THAT'S AVAILABLE IN A WIDE RANGE OF COLORS AND STYLES. Also known as engineered stone, quartz is made from a combination of resin and natural quartz crystals. The natural crystals in quartz countertops make each surface unique, while resin gives the material its durability and resistance to everyday wear and tear. Because quartz is a man-made product, this material can be tinted and shaped in a wide variety of ways. Unique colors, edge treatments, inlays and other style accents add to the aesthetic appeal of this product.

In general, engineered stone is less expensive than naturally sourced materials after installation, sealing and maintenance are considered. The exceptional strength, durability and aesthetic appeal of quartz make this product a popular alternative to granite, a stone known for its lasting beauty. In addition, quartz is remarkably easy to maintain.

IS QUARTZ A SAFE COUNTERTOP MATERIAL?

Quartz, or engineered stone, is highly resistant to the routine wear and tear of daily life. Because quartz is made from a tough combination of natural crystals and resin, this product is very durable and long lasting. Quartz is a safe material for bathroom, kitchen or office countertops, but standard precautions must be taken to protect this man-made material from damage and prevent fading of your quartz countertop colors.

Although quartz countertops are resistant to scratches, dents, scuffs, burns and stains, these surfaces can be damaged when exposed to heat or to certain chemicals or tools. Gentle cleaning with a mild detergent and water is all that's required to maintain these surfaces. To keep your quartz countertops safe from damage, take care not to expose them to harsh chemicals, permanent dyes or inks, abrasive cleansers, direct heat or knives and other metal tools.

WHAT COLORS DO QUARTZ COUNTERTOPS COME IN?

Quartz countertops come in a broad spectrum of colors and patterns, from cool pastels to rich, dark tones. Quartz is a man-made material that combines the strength and durability of resin with distinctive of natural quartz crystals. This material can be tinted in a nearly unlimited range of shades to match any interior color scheme. Whether you're decorating a kitchen in warm earth tones or remodeling a bathroom with pink and white surfaces, you can find a shade that complements your decor and any living space.

QUARTZ COLORS AND TREATMENTS

Quartz is an extremely versatile material, which can be tinted, treated or shaped to accommodate almost any homeowner's tastes. When you're shopping for quartz countertops, choosing the perfect color may be challenging. With so many different shades to choose from, it can be difficult to make a decision with confidence. A knowledgeable provider should be able to help you with this stage of the process by giving you a comprehensive overview of your choices and making suggestions for shades that will complement your design.

When it comes to designing a quartz countertop, you aren't limited to traditional, squared edge treatments. There are a number of different edge treatments to choose from, with beveled or rounded styles. Inlays add a touch of elegance to a countertop surface by accenting the contours of the counter. These unique treatments take a countertop a step beyond the ordinary and give your kitchen or bathroom an extra touch of style.

CHOOSING COLORS FOR YOUR COUNTERTOPS

The color of your quartz countertops can make a big difference in the visual dimensions of your kitchen or bathroom. Light colors will create a sense of space, enlarging the room visually. If you have a small kitchen or bath, quartz countertops in white, cream, beige or gray may be preferable to darker, richer tones. In a larger kitchen or a game room, a dark gray, brown or dramatic black surface can add style and elegance to your interior.

The colors you select will affect a room's atmosphere and character. If you're decorating a professional office, a black or charcoal quartz countertop can give your decor a sense of dignity and stability. In a master bathroom, a rich gold or beige creates a look of luxury. The colors of quartz countertops may be variegated with flecks or swirls of various colors that give your countertops the natural appearance of stone.

Most manufacturers come out with new color series on a regular basis. Although the latest trends may be appealing, choose a color that will stand the test of time to get the most value.

QUARTZ IN KITCHENS AND BATHROOMS

Quartz is a non-porous material that does not require a sealant to protect the surface against dirt, moisture or germs. The polymers used to manufacture quartz make the surfaces extremely sturdy and durable. In the kitchen, quartz countertops are resistant to ordinary contact with metal, ceramic, glass or other materials commonly used in cookware. However, quartz countertops should not be scraped with metal tools. When you're cutting food, use a cutting board rather than cutting or slicing directly onto a quartz surface.

In the kitchen, protecting food from exposure to bacteria is a big concern. Quartz countertops are non-porous, meaning that these surfaces are continuous and smooth and do not have any tiny openings in the surface. Unlike wood and some forms of stone, quartz will not absorb water or other liquids. Bacteria have no place to grow on a quartz surface, as long as it's wiped clean after preparing food. Use a cutting board made of marble or another non porous material to avoid scratching your countertops.

Germs tend to collect in bathrooms as well as kitchens. The moisture and warmth that gather in the bathroom make it a breeding ground for bacteria, mold and mildew. A sink or vanity topped with quartz offers protection against bacterial growth as well as longevity and beauty. With regular cleaning, quartz countertops keep bathrooms sanitary by discouraging the growth of bacteria, mold and mildew. When cleaning quartz countertops, do not use bleach or other harsh or abrasive cleansers. Bleach may discolor or damage a quartz counter.

ONE **QUARTZ®** FAQ

FINAL CONSIDERATIONS

When you're shopping for quartz countertops, you'll soon find that you have many choices in style and color. Because quartz countertops are man-made, this material can be manufactured in nearly any color. You can choose from a wide range of countertop edge treatments, from traditional rounded or cornered styles to more dramatic looks.

The cost and performance of quartz countertops increases their appeal to homeowners who are looking for resilience and aesthetic value at a competitive price to other alternatives. As you search for quartz countertops, look for a reliable provider with a reputation for quality craftsmanship. Because the supplier you choose may also install the product, it's important to review the quality of the company's labor as well as the quality of its products before you make this important investment.

WHAT MAINTENANCE IS REQUIRED FOR QUARTZ COUNTERTOPS?

Low maintenance requirements make quartz countertops appealing to many homeowners. Quartz countertops are manufactured with a combination of hard quartz crystals and durable resin polymers that make them extremely resilient. In addition, the leading manufacturers provide a 10 to 15 year limited warranty that covers manufacturer's defects. Routine care and cleaning is very simple, and with basic precautions to prevent stains, dents or scratches, safe quartz countertops can lend beauty and a sense of permanence to a home for decades.

Manufacturer's warranties will not cover damages caused by the owner's use of the product unless damage is linked to an error made by the company. Your quartz countertops must be installed by a professional contractor in order to be covered by the warranty, in most cases. Follow the manufacturer's specific recommendations for maintaining your new countertops to get the maximum value from this investment.

ROUTINE CARE AND CLEANING

With the right care, quartz countertops can lend aesthetic appeal to your kitchen, bathroom or office for years. Quartz can be cleaned easily with a mild detergent, water and a soft cloth or paper towel. Abrasive cleansers or harsh scouring pads and cleansers that contain bleach should not be used with quartz. Engineered stone surfaces do not require polishing to keep them shiny and smooth, but they should be cleaned gently to maintain their distinctive shine.

A rounded plastic knife should be used to remove dried foods or liquids on a quartz surface. Dried paint or grease can be gently scraped away with a plastic knife. Avoid using metal knives and utensils directly on the countertop, as metal may scratch the quartz.

Grease from cooking is a concern in many kitchens. To remove grease from your quartz countertops, use a product recommended by your manufacturer. Harsh cleansers should not be used to remove grease or other cooking stains. Gently scrape away hardened grease with a plastic knife before applying cleanser.

PREVENTING STAINS AND SCRATCHES

While quartz countertops are resistant to scratches, scuffs, dents, stains and burns, these surfaces are not damage-proof. Homeowners must take care to avoid exposing quartz countertops to permanent inks, markers or dyes, as these substances may not be removable. If a countertop is marked by a permanent marker or dye, rinse the area with water as soon as possible, then apply a cleansing product approved by the manufacturer if the stain is still visible. Clean the area again with water after applying the cleanser.

Turpentine and other paint stripping products may damage or discolor a quartz surface. To be on the safe side, avoid exposing quartz to any strong chemicals or solvents unless your manufacturer recommends them for use in removing stubborn stains or hardened grease. If exposure to a potentially harmful chemical solvent occurs, clean the area with water immediately.

Quartz countertops can be damaged by direct exposure to heat. When cooking, use trivets or heating pads to guard the countertop surface against direct exposure to hot cookware or coffee pots. Although quartz is resistant to stains from juice, wine, coffee and other food substances, it is best to wipe up spills immediately to prevent possible stains. When chopping vegetables, slicing bread or preparing other foods with sharp utensils, use a cutting board to prevent scratches.

Very little maintenance is required for quartz countertops. This engineered product does not require sealants, and its non-porous surface makes it a durable, sanitary option for kitchens or bathrooms. To ensure that you get the most life from your countertops and that your warranty covers any unexpected damages, follow the manufacturer's instructions for care and quartz countertop maintenance.

PROTECTING QUARTZ SURFACES

Quartz countertops can stand up to a lot of wear and tear, but they shouldn't be exposed to excessive impact or harsh chemicals. In the kitchen, use hot pads or trivets on your countertops to prevent hot skillets or pots from making contact with quartz surfaces. In the bathroom, curling irons and other heated appliances shouldn't be left sitting on sinks or vanities.

Although quartz is non porous and resists stains, liquid spills should be wiped up promptly. Coffee, wine, vinegar, lemon juice and other liquids should not be allowed to sit on a quartz countertop for long periods of time. If permanent dye or ink is spilled on the counter, rinse the area promptly with water, then use a cleanser approved by the manufacturer for removing permanent stains. If you need to scrape dried food or paint or hardened grease off a quartz countertop, use a rounded plastic utensil, like a putty knife.

To get the maximum use from this investment, choose quartz countertops that are covered by a warranty. A manufacturer's warranty will replace or repair a countertop if it shows evidence of a manufacturer's defect. With a reliable warranty and proper care, quartz is a safe countertop material.

PHOTOGRAPHY INDEX

COVER PHOTO

Independence Calacatta on the countertop.

PAGES 3-4 (LEFT TO RIGHT)

West Village Series Broadway Black on the countertop.

West Village Series Astor Grey on the countertop & backsplash.

West Village Series Barclay Tan on the countertop.

PAGE 5-6 (LEFT TO RIGHT)

Noble Grey on the countertop.

Patriotic Calacatta on the countertop.

PAGE 11-12 (LEFT TO RIGHT)

Avenue White on the countertop.

Valor White on the counter and backsplash.

PAGE 17-18 (LEFT TO RIGHT)

Carrara Aura on the bottom counter block.

Broadway Black on the top counter block.

PAGES 21-22 (LEFT TO RIGHT)

White Ice on the countertop.

Chipped Ice on the countertop.

daltile®

Daltile | 7834 C.F. Hawn Freeway | Dallas, Texas 75217 | 214.398.1411 | 800.933.TILE
To view the complete collection of Daltile® products and information, visit our website at **daltile.com.**
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Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

CT-001-JG

Revision 1

Real Living Decor Package

Issue Date: Nov 23, 2022
Revision Date:

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	JG Edelen
Model	EHS-836
Dimensions	Refer to Design Guideline Drawings
Color	Goldfield
Finish	Polished Straight Edge
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Finish	Polished Straight Edge
Notes	Refer to drawings for edge profile Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

Label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

AREAS

Hub
On Us
Buffet

Real Living Decor Package

Issue Date: Nov 23, 2022
Revision Date:

ALTERNATE MANUFACTURER 2

Vendor Name: MGroup
Contact Name: Drew Murray
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Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 3

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 4

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

Flex
Fitness Center
Employee Areas
Public Restrooms
Hydration Station

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

CT-001-MG

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Mgroup
Model	UltraCera
Dimensions	2cm
Color	Kachine Peak - 3007
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Notes	Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-1981; timi@designertilestone.com; www.designertilestone.com

SPECIAL INSTRUCTIONS

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MANUFACTURER

Vendor Name: MGroup
Contact Name: Drew Murray
Phone: (706) 302-5590
Email: drew.murray@mgroupcorp.com

ALTERNATE MANUFACTURER 2

Vendor Name: Belstone

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date: **Nov 23, 2022**

Contact Name: Jared Holdridge
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Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 3

Vendor Name: Designer Tile & Stone
Contact Name: Timi Mustapha
Phone: 301.325.1981
Email: timi@designertilestone.com

ALTERNATE MANUFACTURER 4

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

Public Restrooms
Elevator Lobby
Hydration Station

CT-001-MG

KACHINA PEAK- 30(

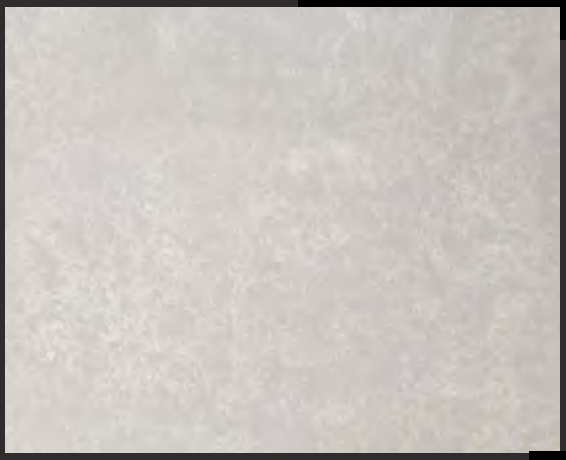
GROUP

ULTRACERA®
NextGeneration Composite Ecosurface

TECHNICAL SPECIFICATIOI

COMPRESSIVE STRENGTH (DRY): (ASTM C17(17) 256 Mp
DENSITY: (ASTM C9 18 2400) kg/m
WATER ABSORPTION: (ASTM C9 18) 0.03
THICKNESS: Standard 2cm or 3cm. Custom Availab
ABRASION RESISTANCE: (ASTM C241-15) 4
MOHS HARDNESS: (EN 15771) Averages
STAIN RESISTANCE: (ANSI Z124.6-07) Pa
CHEMICAL RESISTANCE: (ASTM C650) Not Affecte
FLEXURAL STRENGTH (DRY): (ASTM C88(14) 48.5Mp
THERMAL SHOCK RESISTANCE: (ASTM C484) No Defe
MODULUS OF RUPTURE: (ASTM C99) 3
FINISH: Polished Standard (level 6000 availabl
EDGE: Eased Standard—Fully Customizable Fabricatic
FIRE RATING: (ASTM E84) Class

KACHINA PEA



*SAMPLE IMAGE FOR REFERENCE ONL

APPLICATIO

Vanity Top
Kitchen Top
Window S
Desk Top
Dresser Top
Threshol
Wall Claddir

NOTI

Patent Pendir
0% Acrylic Solid Surfac
Non-Silica Based Produ
For More Information On What UltraCera® Is, And What It Is Not: Please Visit UltraCeraTops.co
Herein Are Subject To Change Without Notice Due To Constant Product And Engineering Improvement

MGROUP
MSHOWER MSTONE MTERIORS Gainwell International QUIETLOK ULTRACERA

MERIDIEN HOUSE | 203 NORTH LEWIS STREET| LAGRANGE, GA 30240 US

ULTRACERA®
NextGeneration Composite Ecosurface

REV. DATE 03-06-202

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

CT-001-WIL

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Wilsonart International, Inc.
Model	Q4007
Dimensions	3/4" Thick
Color	Duomo
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Fire/Smoke Rating	ASTM E84 Class 1 (NFPA Class A) FS-25 or less.
Structural Performance	Mohs Hardness Scale: 6 to 6.5. Density: Not less than 2 g/cm3 when tested per ASTM C97.
Thermal Performance	Thermal shock: Pass 5 cycles, tested per ASTM C484.
Best Practices	UL Greenguard certified
Quality Standards	NSF/ANSI 51 Certified. Stain resistance: Passes ANSI Z124.6. Water absorption: Maximum 0.04 percent, tested per ASTM C97. Chemical resistance: Not Affected when tested per ASTM C650.
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	N
Thickness	3/4"
Finish	Polished
Warranty	One (1) year minimum warranty against defects in materials and workmanship. Commercial Lifetime warranty
Notes	Refer to drawings for edge profile. Acceptable Manufacturers: Belstone; Alex McGuinness; alex@belstoneproducts.com; (818) 373-4900; www.projectstone.com MGroup; Drew Murray; drew.murray@mgroupcorp.com; (706) 302-5590; www.mgroupcorp.com Daltile; Morgan Stephenson; (214) 309-4531; morgan.stephenson@daltile.com; www.daltile.com JG Edelen; Kelly Smith; (410) 918-1200; ksmith@jgedelen.com; www.jgedelen.com Wilsonart; Richelle Sigafoos; (215) 219-1133; sigafor@wilsonart.com; www.wilsonart.com/ Designer Tile and Stone; Timi Mustapha; (301) 325-

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date: **Nov 23, 2022**

1981; timi@designertilestone.com;
www.designertilestone.com

SPECIAL INSTRUCTIONS

Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2'-0" apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
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ALTERNATE MANUFACTURER 3

Vendor Name: Designer Tile & Stone
Contact Name: Timi Mustapha
Phone: 301.325.1981
Email: timi@designertilestone.com

ALTERNATE MANUFACTURER 4

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

AREAS

Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Public Restrooms
Elevator Lobby
Hydration Station

TECHNICAL DATA
Wilsonart® Quartz

Wilsonart
2501 Wilsonart Drive
P.O. Box 6110
Temple, TX 76503-6110

1. Distributor

Wilsonart LLC
2501 Wilsonart Drive
P.O. Box 6110
Temple, Texas 76503-6110
Toll-Free: 800-433-3222
Website: www.wilsonart.com

2. Product Descriptions

Product Composition

Wilsonart® Quartz is manufactured with up to 93 percent high quality natural quartz crystals, high quality polyester binders, and proprietary coloring agents that are homogeneous, with uniform color throughout their thickness.

Basic Limitations

Wilsonart® Quartz is designed for interior use only, ideal for residential and commercial applications. Wilsonart Quartz is a solid, non-porous, highly durable surface and resistant to scratching, staining, and water absorption and is virtually maintenance free.

Fabrication

Refer to the Wilsonart Quartz Fabrication Manual or contact a Wilsonart® Quartz Fabricator or Distributor for details.

Colors and Finishes

Wilsonart® Quartz has created a wide array of colors. Wilsonart Quartz is available in a polished finish.
Glossometer reading: >45

Sheet Dimensions:

	Wilsonart® Quartz Standard Size
Available Sizes	120” (306 cm) x 55” (140 cm), 120” (306 cm) x 63” (160 cm), 126” (320 cm) x 63” (160 cm), 130” (330 cm) x 65” (166 cm)
Thickness	Product Type 062 = 0.79" (2 cm) ± 0.060"(0.15 cm)
Thickness	Product Type 063 = 1.18" (3 cm) ± 0.060"(0.15 cm)
Approximate Weight	Product Type 062 = 10 lbs./ft^2 (2 cm)
Approximate Weight	Product Type 063 = 15 lbs./ft^2 (3 cm)

* Please consult Wilsonart® Quartz Design Library on www.wilsonart.com for available slab sizes by pattern

Physical Properties

Test Description	**Typical Results**	**Test**
Flexural Strength (psi)	>6,000	ASTM D 790
	31 - 75	EN14617-2
Thermal Expansion Coefficient	16 x 10^{-6} - 20.8 x 10^{-6*}	EN14617-11
Impact Resistance	3.4 – 7.35	EN14617-9
Stain Resistance	No Effect	EN14617-10
High Temperature Heat Resistance	No Effect to Slight Effect	ISO 4586
Chemical Resistance (acids and bases)	C4	EN14617-10
Abrasion Resistance	>100	ASTM C501
	23.6 – 27.5	EN14617-4

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Density (g/cm^3)	>2.1	ASTM C97
Compressive Strength (One Axis – Dry) (psi)	>20,000	ASTM C170
Moisture Absorption	<0.03	ASTM C97
	<0.03	EN14617-1
Freeze and Thaw Resistance	0.999	EN14617-5
Fire Behavior	Class 1/A Rating	ASTM E 84

**Test results vary slightly depending on pattern.*
The information contained in this section is based on technical data which Wilsonart LLC believes to be reliable, and is intended for use by persons having knowledge of this technical area at their own discretion.

Certifications
Wilsonart® Quartz is UL GREENGUARD Standard and Gold Standard Certified for low chemical emissions.
NSF 51 Food Zone and FDA food contact compliant.
Wilsonart Quartz is Kosher certified under the Kashruth Division of the Orthodox Union.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Quartz per ISO 4586-2 Method 31 (B)
No effect was exhibited except as noted (* or **) on the following:

1. Beckart Environmental (Stabilized Chlorine Dioxide Mixed with Water at 3000ppm)
2. Benefect® *
3. Claire® Germicidal Cleaner (Country Fresh Scent) **
4. Claire® Disinfectant Spray Q (Country Fresh Scent) **
5. Clean Republic – All Purpose Everyday Cleaner (Hypochlorous Acid – 0.003% Solution)
6. Clorox® Anywhere® Hard Surface Sanitizing Spray *
7. Clorox® Clean-Up (Cleaner & Bleach)
8. Clorox® Disinfecting Bleach w/6% Sodium Hypochlorite (24:1/Water:Bleach)
9. Clorox® Disinfecting Spray
10. Clorox® Disinfecting Wipes
11. Clorox Healthcare® Bleach Germicidal Cleaner *
12. Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant *
13. Clorox Healthcare® Fuzion® Cleaner Disinfectant *
14. Clorox Healthcare® VersaSure® Cleaner Disinfectant Wipes
15. Clorox® Total 360 Disinfectant Cleaner
16. Diversey™ Expose® II 256 *
17. Diversey™ Oxivir 1 *
18. Diversey™ Oxivir Tb Wipes *
19. Diversey™ Stride® Floral Neutral Cleaner
20. Diversey™ Virex® II 256 *
21. Fabuloso® Complete (Multi-Purpose Cleaner)
22. Lysol® Professional Disinfectant Spray
23. Microban® 24 Hour (Multi-Purpose Cleaner)
24. PDI Sani-Prime® Germicidal Spray
25. PDI Super Sani-Cloth® Germicidal Disposable Wipes
26. PURELL® Advanced Hand Sanitizer Gel *
27. Purell® Food Service Surface Sanitizer *
28. Purell® Professional Surface Disinfectant *
29. Purell® Healthcare Surface Disinfectant *
30. Simple Green® Concentrated (All-Purpose Cleaner)
31. Spic and Span® Everyday (Antibacterial Cleaner)

Test procedure: Listed materials were placed in contact with Wilsonart® Quartz surface under 1" (25.4mm) diameter watch cover glass for 16 hours duration prior to evaluation for effect. The branded cleaners and sanitizers listed above were cleaned with water only.

Copyright 2020, Wilsonart LLC

* Causes slight change of gloss or color.
** Causes slight damage, with degree of damage proportionate to length of exposure and concentration.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Quartz per BIFMA HCF 8.1-2014 (Section 6 / Modified)
No effect was exhibited except as noted (* or **) on the following:

1. Beckart Environmental, Inc. (Stabilized Chlorine Dioxide Mixed with Water at 3000ppm)
2. Benefect®
3. Claire® Germicidal Cleaner (Country Fresh Scent)
4. Claire® Disinfectant Spray Q (Country Fresh Scent)
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31. Spic and Span® Everyday (Antibacterial Cleaner)

Test procedure: Listed reagent materials were placed in contact with Wilsonart® Quartz surface with a one-inch square 100% cotton cloth completely saturated and covered with a 2” (50.8mm) diameter watch cover glass for 15 minute duration. The reagents listed above were removed with clean cloth and the area was then cleaned with clean cloth and distilled water only. The surface area was allowed to dry for 1-hour prior to evaluation for effect.
* Causes slight change of gloss or color.
** Causes slight damage, with degree of damage proportionate to length of exposure and concentration.

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3. Care and Maintenance

4. Warranty

5. Customer Service
   For samples, literature, questions, technical assistance, or warranty information, please contact our toll-free Hotline at (800) 433-3222, Monday through Friday, 8 am – 5 pm CST, or visit our website at www.wilsonart.com.

Quartz Tech Data
Revised: July 9, 2020
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Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

CT-002-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop
Manufacturer	Wilsonart International, Inc.
Model	Q1017
Dimensions	3/4" Thick
Color	Vesuvius
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661
Fire/Smoke Rating	ASTM E84 Class 1 (NFPA Class A) FS-25 or less.
Structural Performance	Mohs Hardness Scale: 6 to 6.5. Density: Not less than 2 g/cm3 when tested per ASTM C97.
Thermal Performance	Thermal shock: Pass 5 cycles, tested per ASTM C484.
Best Practices	UL Greenguard certified
Quality Standards	NSF/ANSI 51 Certified. Stain resistance: Passes ANSI Z124.6. Water absorption: Maximum 0.04 percent, tested per ASTM C97. Chemical resistance: Not Affected when tested per ASTM C650.
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	N
Thickness	3/4"
Finish	Polished
Warranty	One (1) year minimum warranty against defects in materials and workmanship. Commercial Lifetime warranty
Notes	Refer to drawings for edge profile

SPECIAL INSTRUCTIONS

Label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2'-0" apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524

AREAS

Welcome Desk
Connection Center
Reception

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Email: morgena@wilsonart.com	
ALTERNATE MANUFACTURER 2	
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

TECHNICAL DATA
Wilsonart® Quartz

Wilsonart
2501 Wilsonart Drive
P.O. Box 6110
Temple, TX 76503-6110

1. Distributor

Wilsonart LLC
2501 Wilsonart Drive
P.O. Box 6110
Temple, Texas 76503-6110
Toll-Free: 800-433-3222
Website: www.wilsonart.com

2. Product Descriptions

Product Composition

Wilsonart® Quartz is manufactured with up to 93 percent high quality natural quartz crystals, high quality polyester binders, and proprietary coloring agents that are homogeneous, with uniform color throughout their thickness.

Basic Limitations

Wilsonart® Quartz is designed for interior use only, ideal for residential and commercial applications. Wilsonart Quartz is a solid, non-porous, highly durable surface and resistant to scratching, staining, and water absorption and is virtually maintenance free.

Fabrication

Refer to the Wilsonart Quartz Fabrication Manual or contact a Wilsonart® Quartz Fabricator or Distributor for details.

Colors and Finishes

Wilsonart® Quartz has created a wide array of colors. Wilsonart Quartz is available in a polished finish.
Glossometer reading: >45

Sheet Dimensions:

	Wilsonart® Quartz Standard Size
Available Sizes	120” (306 cm) x 55” (140 cm), 120” (306 cm) x 63” (160 cm), 126” (320 cm) x 63” (160 cm), 130” (330 cm) x 65” (166 cm)
Thickness	Product Type 062 = 0.79" (2 cm) ± 0.060"(0.15 cm)
Thickness	Product Type 063 = 1.18" (3 cm) ± 0.060"(0.15 cm)
Approximate Weight	Product Type 062 = 10 lbs./ft^2 (2 cm)
Approximate Weight	Product Type 063 = 15 lbs./ft^2 (3 cm)

* Please consult Wilsonart® Quartz Design Library on www.wilsonart.com for available slab sizes by pattern

Physical Properties

Test Description	**Typical Results**	**Test**
Flexural Strength (psi)	>6,000	ASTM D 790
	31 - 75	EN14617-2
Thermal Expansion Coefficient	16 x 10^{-6} - 20.8 x 10^{-6*}	EN14617-11
Impact Resistance	3.4 – 7.35	EN14617-9
Stain Resistance	No Effect	EN14617-10
High Temperature Heat Resistance	No Effect to Slight Effect	ISO 4586
Chemical Resistance (acids and bases)	C4	EN14617-10
Abrasion Resistance	>100	ASTM C501
	23.6 – 27.5	EN14617-4

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Density (g/cm^3)	>2.1	ASTM C97
Compressive Strength (One Axis – Dry) (psi)	>20,000	ASTM C170
Moisture Absorption	<0.03	ASTM C97
	<0.03	EN14617-1
Freeze and Thaw Resistance	0.999	EN14617-5
Fire Behavior	Class 1/A Rating	ASTM E 84

**Test results vary slightly depending on pattern.*
The information contained in this section is based on technical data which Wilsonart LLC believes to be reliable, and is intended for use by persons having knowledge of this technical area at their own discretion.

Certifications
Wilsonart® Quartz is UL GREENGUARD Standard and Gold Standard Certified for low chemical emissions.
NSF 51 Food Zone and FDA food contact compliant.
Wilsonart Quartz is Kosher certified under the Kashruth Division of the Orthodox Union.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Quartz per ISO 4586-2 Method 31 (B)
No effect was exhibited except as noted (* or **) on the following:

1. Beckart Environmental (Stabilized Chlorine Dioxide Mixed with Water at 3000ppm)
2. Benefect® *
3. Claire® Germicidal Cleaner (Country Fresh Scent) **
4. Claire® Disinfectant Spray Q (Country Fresh Scent) **
5. Clean Republic – All Purpose Everyday Cleaner (Hypochlorous Acid – 0.003% Solution)
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7. Clorox® Clean-Up (Cleaner & Bleach)
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9. Clorox® Disinfecting Spray
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3. Care and Maintenance

4. Warranty

5. **Customer Service**
   For samples, literature, questions, technical assistance, or warranty information, please contact our toll-free Hotline at (800) 433-3222, Monday through Friday, 8 am – 5 pm CST, or visit our website at www.wilsonart.com.

Quartz Tech Data
Revised: July 9, 2020
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Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

CT-003-DA

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Daltile
Model	One-Quartz
Dimensions	Refer to Design Guideline Drawings
Color	NQ30 Morning Frost
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	Y
Thickness	2 cm

SPECIAL INSTRUCTIONS

Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER

Vendor Name: Daltile
Contact Name: Morgan Stephenson
Phone: (214) 309-4531
Email: morgan.stephenson@daltile.com

ALTERNATE MANUFACTURER 2

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Buffet

SLAB

CT-003-DA

ONE QUARTZ SURFACES®

MARBLE LOOK | STONE LOOK | CONCRETE LOOK | MONOCHROMATIC LOOK

daltile®

FROM NATURE CHIC – TO CITY SLEEK

With the ONE Quartz Surfaces® assortment, we've brought together the beauty of quartz and modern technology to create new and exciting possibilities. ONE Quartz Surfaces® gives you more design choices for your next project. The low maintenance and durability of ONE Quartz Surfaces® countertops make it perfect for any application, commercial or residential. Functional yet chic, that's what ONE Quartz Surfaces® is all about.

AVAILABLE IN:

Within these categories, you'll have more selection than ever before.

- Marble Look
- Stone Look
- Concrete Look
- Monochromatic Look

SLAB

USAGE

- FLOOR
- WALL
- COUNTERTOP
- SHOWER FLOOR
- EXTERIOR

SPECIAL FEATURES

- STEPWISE™
- TRU-EDGE™
- MADE IN THE USA WITH IMPORTED MATERIAL
- LARGE FORMAT
- MOSAIC/ DECO
- ENCAUSTIC
- TERRAZZO
- PAVER
- CUSTOMIZE
- FLEXFIT™

Q QUARTZ

$ LOW HIGH

SEE CHARTS FOR FULL PRODUCT DETAILS

Cover photo features ONE Quartz Surfaces® Valor White on the countertop and backsplash, Mesmerist™ Charm 3 x 12 glossy on the wall and Season Wood™ Snow Pine 6 x 48 matte on the floor. Above photo features Independence Calacatta on the countertop.

Photo features ONE Quartz Surfaces® National Marble Series Statuary Unity on the sink and backsplash.

			RESISTANCE						
	PRICE	STYLE	CHIPS	HEAT	STAIN	SCRATCHES	SEALING REQUIRED	MAINTENANCE	PROS
ONE QUARTZ SURFACES®	$$$	•••	•••	•••	•••	•••	NO	NO	Highly stain resistant Excellent for undermount sinks Engineered, so has consistent look Tons of colors to choose from

••• EXCELLENT
•• GOOD
• FAIR

Photo features ONE Quartz Surfaces® Patriotic Calacatta on the countertop.

CT-003-DA

MARBLE LOOK

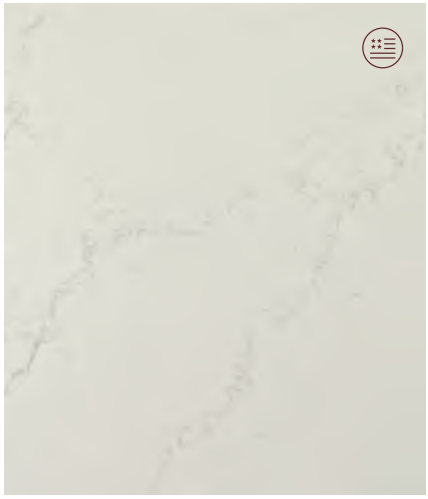
ONE QUARTZ SURFACES®

MARBLE LOOK

RUSHMORE OQ41

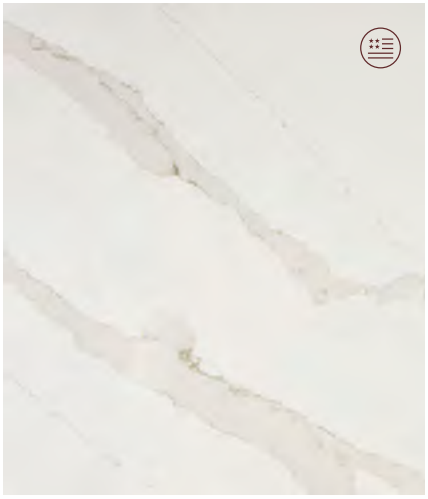
FREEDOM CALACATTA OQ42

WASHINGTON OQ43

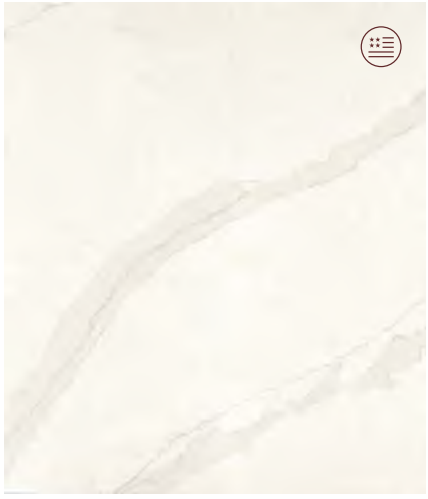


LIBERTY CALACATTA OQ44

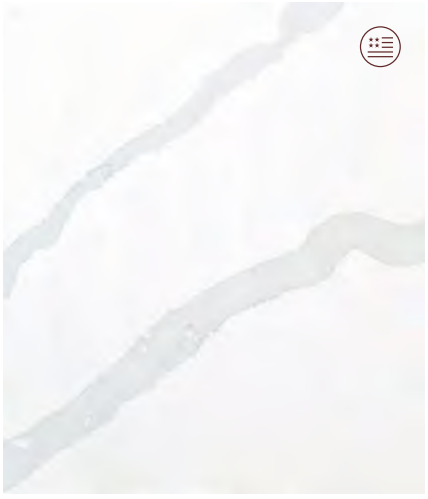
LIBERTY GOLD OQ45



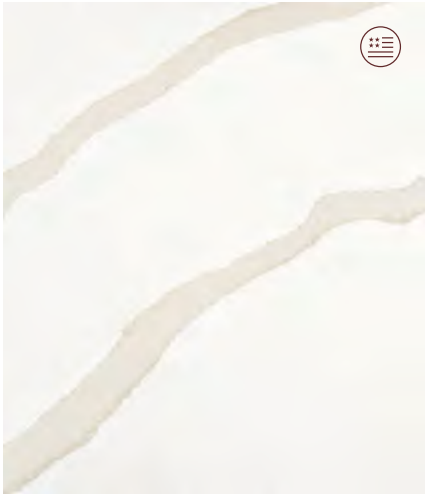
PATRIOTIC CALACATTA OQ47



INDEPENDENCE CALACATTA OQ48



STATUARY UNITY OQ53



STATUARY GLORY OQ52

Made in U.S.A. with imported material

ONE QUARTZ SURFACES®

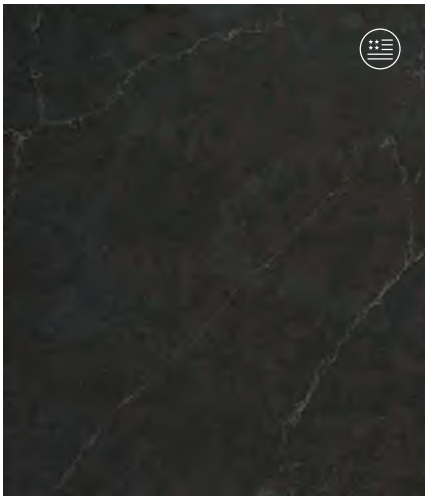
MARBLE LOOK

WHITE STATUARY NQ12

CALACATTA NQ06

CARRARA VEIL OQ12

CARRARA AURA OQ09



BROADWAY BLACK OQ03*

Made in U.S.A. with imported material

*Material also stocked in Leather finish.

Photo features ONE Quartz Surfaces® Capitol Beige on the wall and countertop.

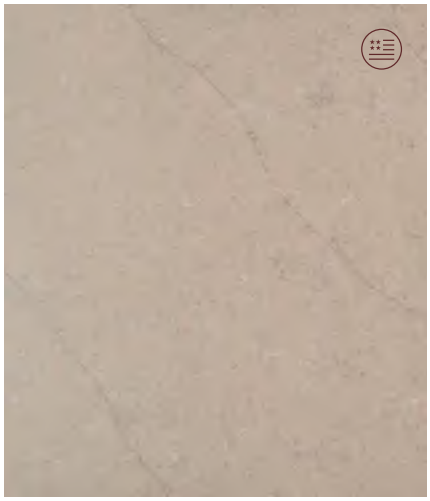
CT-003-DA

STONE LOOK

ONE QUARTZ SURFACES®

STONE LOOK

VALOR WHITE OQ55



CAPITOL BEIGE OQ57

NOBLE GREY OQ56

ARCHES OQ33

NIAGARA OQ32

ROCKY MOUNTAIN OQ34

GOLDEN GATE OQ37

JASMINE WHITE OQ27

KODIAK OQ21

Made in U.S.A. with imported material

ONE QUARTZ SURFACES®

STONE LOOK

ASPEN GREY OQ20

WHITE SAND NQ97

ALMONDINE NQ36

EQUINOX OQ23

AVENUE WHITE OQ01*

ALPINE WINTER OQ19

RIVERBANK NQ93

Made in U.S.A. with imported material

*Material also stocked in Leather finish.

Photo features ONE Quartz Surfaces® Mercer Grey on the countertop and wall.

CT-003-DA

CONCRETE LOOK

Photo features ONE Quartz Surfaces® Concrete Gray on the countertop.

ONE QUARTZ SURFACES®

CONCRETE LOOK

LINCOLN WHITE NQ59

ASH GREY NQ69*

CABRINI GREY NQ51

MERCER GREY NQ52

LUDLOW TAN NQ55

COLUMBUS BROWN NQ56

CONCRETE GREY NQ87

*Material also stocked in Honed finish

CT-003-DA

Photo features ONE Quartz Surfaces® White Ice on the countertop.

CT-003-DA

MONOCHROMATIC LOOK

ONE QUARTZ SURFACES®

MONOCHROMATIC LOOK

CHIPPED ICE NQ91

MORNING FROST NQ30

WOVEN WOOL NQ09

SIMPLY WHITE NQ76*

SIMPLY GREY OQ30*

SIMPLY BEIGE OQ29*

Made in U.S.A. with imported material

ONE QUARTZ SURFACES®

MONOCHROMATIC LOOK

WHITE ICE NQ90

FRESH LINENS NQ66

EVENING GREY NQ43

BRUSHED FLANNEL NQ60

MESA DUNE NQ89

METEOR SHOWER NQ25

Made in U.S.A. with imported material

*ONE Quartz Basics

CT-003-DA

ONE QUARTZ SURFACES®

PRODUCT INFORMATION

Finishes	Actual Size	Thickness
Polished	**DOMESTIC COLORS** 135-7/8" x 78-3/4" (345 cm x 200 cm) **IMPORTED COLORS** Please reach out to local stone center for size details on all sourced products. Slab sizes vary.	1-1/4" (3 cm) & 3/4" (2 cm)

Custom slab finishes in semi-polished, honed and leather are available by special order.

Not all colors available in alternative finishes. Please contact your local slab center for availability.

INSTALLATION

Shade Variation
Medium (V2)

NOTES

ONE Quartz Surfaces products are nonporous, reducing the potential for bacteria growth, resist common food stains and are stronger than natural granite.

ONE Quartz Surfaces products are virtually maintenance free.

ONE Quartz Surfaces products contain natural quartz stone providing consistent color and visual movement. A wide range of color options allow for more design freedom.

ONE Quartz Surfaces products have a durable, scratch-resistant surface.

ONE Quartz Surfaces products are heat and scorch-resistant under normal cooking conditions (use of a trivet is recommended for longer or extreme heat exposure).

Visit daltile.com/countertops-product-category/one-quartz for additional polished, semi-polished, honed and leather finish details.

Twenty-Five year limited warranty.
Visit daltile.com/countertops-product-category/one-quartz or details.

Fifteen-year limited warranty on imported materials.
Visit daltile.com/countertops-product-category/one-quartz for details.

White thin-set or mortar is recommended for the lighter colors of ONE Quartz Surfaces tiles.

WARNING: This product can expose you to chemicals known to the State of California to cause cancer, including crystalline Silica (airborne particles of respirable size) in dust created if the product is dry cut/ground/polished or pulverized during fabrication/installation/removal. For more information, go to www.P65Warnings.ca.gov.

For information refer to "Factors to Consider" at daltile.com/Factors.

APPLICATIONS

	Target DCOF wet	Suitable
Dry & Level – Interior Floor	N/A	
Wet & Level – Interior Floor	≥ 0.42	
Shower Floors (Residential or Light Commercial)	≥ 0.42	
Exterior Floor Applications (including pool decking & other wet areas with minimal footwear)	≥ 0.60	
Ramps & Inclines	≥ 0.65	
Walls/Backsplashes	N/A	✓
Countertops	N/A	✓
Pool Linings	N/A	

ONE Quartz Surfaces do not meet minimum coefficient of friction thresholds recommended by safety standard-setting organizations. Water, oil, grease, etc., create slippery conditions. Floor applications with exposure to these conditions require extra caution in product selection.

APPLICATION NOTES:

Quartz not suitable for exterior applications due to small resin content. The sun will etch the material.

SLAB PERFORMANCE CHARACTERISTICS

	Test Method	Average Result*
Abrasion Wear Index	ASTM C501	≥ 135
Bulk Specific Gravity	ASTM C97	≤ 2500 kg / cubic meter
Chemical Resistance	ASTM C650	Resistant to typical household cleaners
Coefficient of Thermal Expansion	ASTM C531	≤ 4.0 • 10^{-5} °C^{-1}
Flexural Strength	ASTM C880	≥ 35 MPa
Water Absorption	ASTM C97	≤ 0.10%
Scratch Resistance (Mohs Hardness)	ASTM C1895	≥ 5
Stain Resistance	ANSI Z124.6	Pass
Thermal Shock Resistance	ASTM C484	Pass – No Effect

* Custom testing results by color are available upon request.

Fifteen Year Limited Warranty, visit daltile.com for complete warranty details.♦

Twenty Five Year Commercial Limited Warranty, visit daltile.com for complete warranty details.

Lifetime Residential Limited Warranty, visit daltile.com for complete warranty details.*

MADE IN THE USA WITH IMPORTED MATERIAL.

To See Approved Colors, Please Check The Below Link:
info.nsf.org/Certified/Food/Listings.asp?Company=C0536133&Standard=051

♦Sourced SKUS

*Made in the USA with imported material.

7834 C.F. Hawn Freeway,
Dallas, Texas 75217 | 1.800.933.TILE

To view the complete collection of Daltile® products and information, visit our website at **daltile.com.**

daltile®
IMAGINE WHAT'S POSSIBLE™

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Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

CT-003-WIL

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Simulated Stone
Item Type	Engineered Quartz
Description	Engineered Quartz Countertop with eased edge
Manufacturer	Wilsonart International, Inc.
Model	Q1001
Dimensions	3/4" Thick
Color	Serene
Finish	Polished
Material Composition	Quartz aggregate, resin, and color pigments formed into flat slabs. Slabs shall contain a minimum of 88% quartz.
CSI #	123661 - Simulated Stone Countertops
Omniclass #	22-123661 - Simulated Stone Countertops
Fire/Smoke Rating	ASTM E84 Class 1 (NFPA Class A) FS-25 or less.
Structural Performance	Mohs Hardness Scale: 6 to 6.5. Density: Not less than 2 g/cm3 when tested per ASTM C97.
Thermal Performance	Thermal shock: Pass 5 cycles, tested per ASTM C484.
Best Practices	UL Greenguard certified
Quality Standards	NSF/ANSI 51 Certified. Stain resistance: Passes ANSI Z124.6. Water absorption: Maximum 0.04 percent, tested per ASTM C97. Chemical resistance: Not Affected when tested per ASTM C650.
Accessibility Compliance	Not Applicable
Water Sense	Not Applicable
Accessories	Adhesive per Manufacturer's Recommendation
Part of an Assembly	N
Thickness	3/4"
Finish	Polished
Warranty	One (1) year minimum warranty against defects in materials and workmanship. Commercial Lifetime warranty
Notes	Refer to drawings for edge profile

SPECIAL INSTRUCTIONS

Provide label of the manufacturers name shall be permanently stamped on the underside of all countertops (engineered quartz, granite, milk glass, etc.) at least approximately every foot or so in run (or one direction) an at least every 2’-0” apart in the opposite direction. The intent is to guarantee that the label will appear on every top no matter how large or small in an accessible/readable location. As long as that is accomplished the guideline for measurements above is flexible. Label to include percentage of quartz on engineered quartz tops.

MANUFACTURER	AREAS

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Vendor Name: Wilsonart International Contact Name: Amy Morgenweck Phone: 917-951-6524 Email: morgena@wilsonart.com	Buffet
ALTERNATE MANUFACTURER 2	
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

TECHNICAL DATA
Wilsonart® Quartz

Wilsonart
2501 Wilsonart Drive
P.O. Box 6110
Temple, TX 76503-6110

1. Distributor

Wilsonart LLC
2501 Wilsonart Drive
P.O. Box 6110
Temple, Texas 76503-6110
Toll-Free: 800-433-3222
Website: www.wilsonart.com

2. Product Descriptions

Product Composition

Wilsonart® Quartz is manufactured with up to 93 percent high quality natural quartz crystals, high quality polyester binders, and proprietary coloring agents that are homogeneous, with uniform color throughout their thickness.

Basic Limitations

Wilsonart® Quartz is designed for interior use only, ideal for residential and commercial applications. Wilsonart Quartz is a solid, non-porous, highly durable surface and resistant to scratching, staining, and water absorption and is virtually maintenance free.

Fabrication

Refer to the Wilsonart Quartz Fabrication Manual or contact a Wilsonart® Quartz Fabricator or Distributor for details.

Colors and Finishes

Wilsonart® Quartz has created a wide array of colors. Wilsonart Quartz is available in a polished finish.
Glossometer reading: >45

Sheet Dimensions:

	Wilsonart® Quartz Standard Size
Available Sizes	120” (306 cm) x 55” (140 cm), 120” (306 cm) x 63” (160 cm), 126” (320 cm) x 63” (160 cm), 130” (330 cm) x 65” (166 cm)
Thickness	Product Type 062 = 0.79" (2 cm) ± 0.060"(0.15 cm)
Thickness	Product Type 063 = 1.18" (3 cm) ± 0.060"(0.15 cm)
Approximate Weight	Product Type 062 = 10 lbs./ft^2 (2 cm)
Approximate Weight	Product Type 063 = 15 lbs./ft^2 (3 cm)

* Please consult Wilsonart® Quartz Design Library on www.wilsonart.com for available slab sizes by pattern

Physical Properties

Test Description	**Typical Results**	**Test**
Flexural Strength (psi)	>6,000	ASTM D 790
	31 - 75	EN14617-2
Thermal Expansion Coefficient	16 x 10^{-6} - 20.8 x 10^{-6*}	EN14617-11
Impact Resistance	3.4 – 7.35	EN14617-9
Stain Resistance	No Effect	EN14617-10
High Temperature Heat Resistance	No Effect to Slight Effect	ISO 4586
Chemical Resistance (acids and bases)	C4	EN14617-10
Abrasion Resistance	>100	ASTM C501
	23.6 – 27.5	EN14617-4

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Density (g/cm^3)	>2.1	ASTM C97
Compressive Strength (One Axis – Dry) (psi)	>20,000	ASTM C170
Moisture Absorption	<0.03	ASTM C97
	<0.03	EN14617-1
Freeze and Thaw Resistance	0.999	EN14617-5
Fire Behavior	Class 1/A Rating	ASTM E 84

**Test results vary slightly depending on pattern.*
The information contained in this section is based on technical data which Wilsonart LLC believes to be reliable, and is intended for use by persons having knowledge of this technical area at their own discretion.

Certifications
Wilsonart® Quartz is UL GREENGUARD Standard and Gold Standard Certified for low chemical emissions.
NSF 51 Food Zone and FDA food contact compliant.
Wilsonart Quartz is Kosher certified under the Kashruth Division of the Orthodox Union.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Quartz per ISO 4586-2 Method 31 (B)
No effect was exhibited except as noted (* or **) on the following:

1. Beckart Environmental (Stabilized Chlorine Dioxide Mixed with Water at 3000ppm)
2. Benefect® *
3. Claire® Germicidal Cleaner (Country Fresh Scent) **
4. Claire® Disinfectant Spray Q (Country Fresh Scent) **
5. Clean Republic – All Purpose Everyday Cleaner (Hypochlorous Acid – 0.003% Solution)
6. Clorox® Anywhere® Hard Surface Sanitizing Spray *
7. Clorox® Clean-Up (Cleaner & Bleach)
8. Clorox® Disinfecting Bleach w/6% Sodium Hypochlorite (24:1/Water:Bleach)
9. Clorox® Disinfecting Spray
10. Clorox® Disinfecting Wipes
11. Clorox Healthcare® Bleach Germicidal Cleaner *
12. Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant *
13. Clorox Healthcare® Fuzion® Cleaner Disinfectant *
14. Clorox Healthcare® VersaSure® Cleaner Disinfectant Wipes
15. Clorox® Total 360 Disinfectant Cleaner
16. Diversey™ Expose® II 256 *
17. Diversey™ Oxivir 1 *
18. Diversey™ Oxivir Tb Wipes *
19. Diversey™ Stride® Floral Neutral Cleaner
20. Diversey™ Virex® II 256 *
21. Fabuloso® Complete (Multi-Purpose Cleaner)
22. Lysol® Professional Disinfectant Spray
23. Microban® 24 Hour (Multi-Purpose Cleaner)
24. PDI Sani-Prime® Germicidal Spray
25. PDI Super Sani-Cloth® Germicidal Disposable Wipes
26. PURELL® Advanced Hand Sanitizer Gel *
27. Purell® Food Service Surface Sanitizer *
28. Purell® Professional Surface Disinfectant *
29. Purell® Healthcare Surface Disinfectant *
30. Simple Green® Concentrated (All-Purpose Cleaner)
31. Spic and Span® Everyday (Antibacterial Cleaner)

Test procedure: Listed materials were placed in contact with Wilsonart® Quartz surface under 1" (25.4mm) diameter watch cover glass for 16 hours duration prior to evaluation for effect. The branded cleaners and sanitizers listed above were cleaned with water only.

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* Causes slight change of gloss or color.
** Causes slight damage, with degree of damage proportionate to length of exposure and concentration.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Quartz per BIFMA HCF 8.1-2014 (Section 6 / Modified)
No effect was exhibited except as noted (* or **) on the following:

1. Beckart Environmental, Inc. (Stabilized Chlorine Dioxide Mixed with Water at 3000ppm)
2. Benefect®
3. Claire® Germicidal Cleaner (Country Fresh Scent)
4. Claire® Disinfectant Spray Q (Country Fresh Scent)
5. Clean Republic – All Purpose Everyday Cleaner (Hypochlorous Acid – 0.003% Solution)
6. Clorox® Anywhere® Hard Surface Sanitizing Spray
7. Clorox® Clean-Up (Cleaner & Bleach)
8. Clorox® Disinfecting Bleach w/6% Sodium Hypochlorite (24:1/Water:Bleach)
9. Clorox® Disinfecting Spray
10. Clorox® Disinfecting Wipes
11. Clorox Healthcare® Bleach Germicidal Cleaner
12. Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant *
13. Clorox Healthcare® Fuzion® Cleaner Disinfectant
14. Clorox Healthcare® VersaSure® Cleaner Disinfectant Wipes
15. Clorox® Total 360 Disinfectant Cleaner
16. Diversey™ Expose II 256
17. Diversey™ Oxivir 1 *
18. Diversey™ Stride® Floral Neutral Cleaner
19. Diversey™ Tb Wipes *
20. Diversey™ Virex II 256
21. Fabuloso® Complete (Multi-Purpose Cleaner)
22. Lysol® Professional Disinfectant Spray
23. Microban® 24 Hour (Multi-Purpose Cleaner)
24. PDI Sani-Prime® Germicidal Spray
25. PDI Super Sani-Cloth® Germicidal Disposable Wipes
26. PURELL® Advanced Hand Sanitizer Gel
27. Purell® Food Service Surface Sanitizer
28. Purell® Professional Surface Disinfectant
29. Purell® Healthcare Surface Disinfectant
30. Simple Green® Concentrated (All-Purpose Cleaner)
31. Spic and Span® Everyday (Antibacterial Cleaner)

Test procedure: Listed reagent materials were placed in contact with Wilsonart® Quartz surface with a one-inch square 100% cotton cloth completely saturated and covered with a 2” (50.8mm) diameter watch cover glass for 15 minute duration. The reagents listed above were removed with clean cloth and the area was then cleaned with clean cloth and distilled water only. The surface area was allowed to dry for 1-hour prior to evaluation for effect.
* Causes slight change of gloss or color.
** Causes slight damage, with degree of damage proportionate to length of exposure and concentration.

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3. Care and Maintenance

4. Warranty

5. Customer Service
   For samples, literature, questions, technical assistance, or warranty information, please contact our toll-free Hotline at (800) 433-3222, Monday through Friday, 8 am – 5 pm CST, or visit our website at www.wilsonart.com.

Quartz Tech Data
Revised: July 9, 2020
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Thresholds

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TH-001-A1-BS

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Threshold
Item Type	Marble Threshold
Description	Marble Threshold
Manufacturer	Belstone
Model	Marble threshold
Dimensions	2" x 36" x 5/8" with 1/2" bevel
Color	Chiaro Beige
CSI #	123640 - Stone Countertops
Omniclass #	22-123640
Part of an Assembly	N

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Belstone
Contact Name: Jared Holdridge
Phone: 818-373-4900
Email: jared@belstoneproducts.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Employee Areas

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TH-001-JG

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Threshold
Item Type	Marble Threshold
Description	Marble Threshold
Manufacturer	J.G. Edelen Company, Inc.
Model	Marble threshold
Dimensions	2" x 36" x 5/8" with 1/2" bevel
Color	Chiaro Beige
CSI #	123640 - Stone Countertops
Omniclass #	22-123640
Part of an Assembly	N

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: JG EDELEN CO INC
Contact Name: Kelly Smith
Phone: (410) 918-1200
Email: ksmith@jgedelen.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Employee Areas

Tile - Ceiling

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TC-001-USG

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Ceiling Tile
Item Type	N/A
Description	Acoustical Ceiling Tile
Manufacturer	USG
Model	Clean Room Class 100 (ISO C5) Acoustical Panels with Climaplus Performance, Item No. #3260
Dimensions	2'-0" x 2'-0" x 5/8" Panels, Unperforated
Color	White
Finish	Smooth-textured panel with an embossed, vinyl-laminated face.
Material Composition	Wet formed mineral fiber.
CSI #	095123 - Acoustical Ceilings
Fire/Smoke Rating	ASTM E-1264 Classification (Class 100: Type X, Pattern GI), ASTM E-84, Class A
Acoustical Performance	0-0.55 NRC, 35 CAC
Thermal Performance	Resistance: R-1.6
Best Practices	USDA Certified Biobased Product, 55% Recycled Content
Content	Wet formed mineral fiber.
Suspension	USG Donn Brand Suspension System
Product	Clean Room Class 100 (ISO C5) Acoustical Panels with Climaplus Performance, Item No. #56099.
Edge	Square
Finish	Smooth-textured panel with an emboossed, vinyl-laminated face.
Warranty	30 Year Limited Warranty. USG Donn Brand Suspension System and USG panels and tile with Climaplus performance, when used together, to be free from defects in materials and workmanship at time of manufacture.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: USG Building Products
Contact Name: Ado Ade
Phone: (845) 786-2820
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Administration
Back-of-House Laundry
Storage
Corridors
Fitness Center

USG Ceiling Solutions

USG CLEAN ROOM™ ACOUSTICAL PANELS

CLIMAPLUS™ PERFORMANCE

USG Clean Room™ Class 10M–100M Acoustical Panels with ClimaPlus™ Performance/ USG Donn® Brand DXLA™ Acoustical Suspension System

TO ORDER SAMPLES, GO TO USG.COM OR CGCINC.COM

Flat White
050

FEATURES AND BENEFITS

- USG Clean Room™ Class 100 and Class 10M–100M panels have an embossed, vinyl-laminated face with sealed back and edges for use in Class 100 (ISO 5) or 10M–100M (ISO 7) Clean Rooms.
- USDA Certified Biobased Product.[8]
- Firecode® product designed to meet life-safety codes.
- ClimaPlus™ 30-year limited system warranty against visible sag.

APPLICATIONS

- Clean Rooms
- Laboratories
- Surgical areas/emergency rooms
- Kitchens/food prep areas (Class 100 only)

SUBSTRATE

- Wet-formed mineral fiber

Smooth-Textured Panel, Class 100

Smooth-Textured Perforated Panel, Class 10M–100M

USG CGC

IT'S YOUR WORLD. BUILD IT.™

USG CLEAN ROOM™ ACOUSTICAL PANELS

CLIMAPLUS™ PERFORMANCE

ORDER SAMPLES/LITERATURE
USG: samplit@usg.com
fax: 888 874-2348 | usg.com
CGC: contact Sales Representative

TECHNICAL SERVICES
800 USG.4YOU (874-4968)

FOR MOST UP-TO-DATE TECHNICAL INFORMATION AND LEED REPORT TOOL
usgdesignstudio.com
cgcdesignstudio.com

30 YEAR LIMITED SYSTEM WARRANTY
- No Visible Sag
- Mold/Mildew Protection

HRC HIGH RECYCLED CONTENT

USDA CERTIFIED BIOBASED PRODUCT

UL Classified

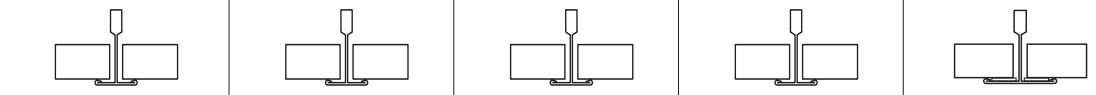
	Edge[5]	Panel Size	Fire Rating[2]	Item No.	NRC[4]	CAC Min.	LR[3]	Color	Grid Options	Recycled Content[1]	Panel Cost
USG CLEAN ROOM™ CLASS 100 (ISO 5) PANELS	SQ	**2′x2′x5/8″** Unperforated		**56099**	—	35	0.79	White	A,B,C,D,E	55%	**$$$**
		2′x4′x5/8″ Unperforated		**56091**	—	35	0.79	White	A,B,C,D,E	55%	**$$$**
USG CLEAN ROOM™ CLASS 10M-100M (ISO 7) PANELS[7]	SQ	**2′x2′x5/8″** Perforated		**56060**	0.55	35	0.79	White	A,B,C,D, E	55%	**$$$**
		2′x4′x5/8″ Perforated		**56090**	0.55	35	0.79	White	A,B,C,D,E	55%	**$$$**

HRC **High Recycled Content**
Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of postconsumer and preconsumer (postindustrial) recycled content per FTC guidelines.

Firecode®

GRID PROFILE OPTIONS

A	B	C	D	E[6]
USG DX®/DXL™	USG DXLA™	USG ZXLA™	USG AX™	USG CE™



PHYSICAL DATA/ FOOTNOTES

Product literature
Data sheet: SC1811

ASTM E1264 classification
Class 100: Type X, Pattern GI
Class 10M-100M: Type X, Pattern CGI

ASTM E84 and CAN/ULC S102 surface-burning characteristics
Class A
Flame spread: 25 or less
Smoke developed: 50 or less

UL Type
M

Weight
1.1 lb./sq. ft. (Class 100 panels)
1.2 lb./sq. ft. (Class 10M-100M panels)

Online tools
usgdesignstudio.com or cgcdesignstudio.com

Thermal resistance
R-1.6

Maximum backloading
See *USG 30-Year Limited System Warranty Commercial Applications* (SC2102).

Maintenance
Can be cleaned easily with a damp sponge, mild detergent and water. Do not use acetate, ammonia, or highly concentrated chlorine, bromide or other harsh chemicals.

Metric sizes available
Contact sales for minimum quantities and lead times.

Notes
1. For details, see LEED report tool at usgdesignstudio.com or cgcdesignstudio.com.
2. Fire-rated items: see UL design details.
3. LR values are shown as averages.
4. NRC rating for USG Clean Room™ ClimaPlus™ Class 100 panels is 0.10. USG does not consider a ceiling panel to be acoustically rated if NRC is less than 0.50.
5. Field-cut edges of USG Clean Room™ panels may be sealed with white latex paint.
6. Clean Room-rated applications require a suspension system with gasketed tee flanges such as USG Donn® Brand CE.™
7. Not intended for kitchen/food prep applications. Use unperforated product (Class 100)—item numbers 56099 and 56091.
8. This product has achieved both BioPreferred initiatives: Federal Procurement Preference and Certified Product Labeling. See the complete listing of all USG ceiling panels on biopreferred.gov website.

Notice
The information in this document is subject to change without notice. CGC Inc. or USG Corp. assumes no responsibility for any errors that may inadvertently appear in this document.

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USG Interiors, LLC
550 West Adams Street
Chicago, IL 60661

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Safety First! Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read SDS and literature before specification and installation.

USG CGC

Tile - Floor

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TF-002-CT

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Tile Floor
Item Type	Large Format Porcelain Tile
Description	Large Format Porcelain Tile
Manufacturer	Ceramic Technics
Model	Evolve
Dimensions	12" x 24" x 3/8" Thick
Color	Smoke
Finish	Natural
Material Composition	Porcelain
CSI #	093000 - Tiling
Omniclass #	22-09 30 13 - Tiling
Quality Standards	ANSI A108/A118/A136.1 American National Specifications for the Installation of Ceramic Tile; ANSI A326.3 American National Standard Test Method for Measuring Dynamic Coefficient of Friction of Hard Surface Flooring Materials; ASTM C373 Standard Test Methods for Determination of Water Absorption and Associated Properties...for Pressed Ceramic Tiles and Boil Method for Extruded Ceramic Tiles; TCNA Handbook for Ceramic, Glass, and Stone Tile Installation
Accessibility Compliance	All Horizontal Surfaces: DCOF 0.42 when wet (ANSI A137.1-2012 (BOT 3000))
Accessories	Crack suppression membrane
Part of an Assembly	N
Recommended Grout	Refer to Design Guideline Drawings for Grout mark number.
Coefficient of Friction	Greater than or equal to 0.42 Wet
Finish	Natural
Product/Color	Evolve
Lead Time	In Stock
Notes	Pattern: Running Bond 1/3 Offset Recommended Grout Joint Width: 1/8"

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Ceramic Technics
Contact Name: Mary Beth Tallant
Phone: (770) 891-0684
Email: mtallant@ceramictechnics.com

ALTERNATE MANUFACTURER 2

AREAS

Lobby
Public Restrooms
Entrance Vestibule
Elevators

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Vendor Name: Daltile Contact Name: Morgan Stephenson Phone: (214) 309-4531 Email: morgan.stephenson@daltile.com	
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TF-002-DA

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Tile Floor
Item Type	Floor Tile
Description	Floor TIle
Manufacturer	Daltile
Model	Portfolio
Dimensions	12" x 24" x 5/16"
Color	Ash Gray PF05
Finish	Matte
Material Composition	Porcelain
CSI #	093000 - Tiling
Omniclass #	22-09 30 13 - Tiling
Quality Standards	ANSI A108/A118/A136.1 American National Specifications for the Installation of Ceramic Tile; ANSI A326.3 American National Standard Test Method for VMeasuring Dynamic Coefficient of Friction of Hard Surface Flooring Materials; ASTM C373 Standard Test Methods for Determination of Water Absorption and Associated Properties for Pressed Ceramic Tiles and Boil Method for Extruded Ceramic Tiles; TCNA Handbook for Ceramic, Glass, and Stone Tile Installation
Accessibility Compliance	All Horizontal Surfaces: COF 0.42 when wet (ANSI A326.3)
Part of an Assembly	N
Recommended Grout	Refer to Design Guideline Drawings for Grout mark number.
Coefficient of Friction	Greater than or equal to 0.42 Wet (Natural)
Finish	Matte
Product/Color	Portfolio Ash Gray PF05
Lead Time	5-7 Days
Notes	1/8" Grout Joint Width. In Stock.

SPECIAL INSTRUCTIONS
Running Bond 1/3 Offset.

MANUFACTURER

Vendor Name: Daltile
Contact Name: Morgan Stephenson
Phone: (214) 309-4531
Email: morgan.stephenson@daltile.com

ALTERNATE MANUFACTURER 2

Vendor Name: CERAMIC TECHNICS LTD
Contact Name:

AREAS

Public Restrooms
Entrance Vestibule
Hub
Community
Elevators
Corridors
In-A-Pinch

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Phone: Email:	Flex
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

TF-002-DA

CONCRETE LOOK

FLOOR

PORTFOLIO™

COLORBODY™ PORCELAIN FLOOR & GLAZED CERAMIC MOSAIC

daltile®

IMAGINE WHAT'S POSSIBLE™

TF-002-DA

FLOOR

PORTFOLIO™

COLORBODY™ PORCELAIN FLOOR & GLAZED CERAMIC MOSAIC
with REVEAL IMAGING®

New Movement to Minimalism

As popular as the contemporary tone-on-tone look of cement may be, it's even more appealing with the added depth and richness of the Portfolio™ series. An impressive palette of neutral hues creates calm monochromatic effects. The colors and sizes easily combine for customized results. Manufactured in the USA and offered in 24 x 24, 12 x 24, and 6 x 24 – Portfolio is an incredibly resourceful choice that's bound to be a favorite in any commercial space.

- MODULAR MINIMALISM
  - Tone-on-tone concrete look supports any style, giving designers added flexibility to create lasting looks
  - Broad color offering of 11 different options across a warm and cool palette
  - Three popular sizes, including a 6 x 24 rectangle, allow for a modular approach to floor and wall designs
  - Coordinating 2 x 2 mosaics and linear decorative mosaics
- TECHNICAL SUPPORT
  - ColorBody™ tile with rectified edges for near seamless designs
  - A modern European look and feel manufactured in the USA

CONCRETE LOOK

USAGE

FLOOR

WALL

COUNTERTOP

SHOWER FLOOR

EXTERIOR FLOOR

SPECIAL FEATURES

STEPWISE™

TRU-EDGE™

MADE IN THE U.S.A.

LARGE FORMAT

MOSAIC/ DECO

ENCAUSTIC

TERRAZZO

PAVER

CUSTOMIZE

FLEXFIT™

LOW HIGH

SEE CHARTS FOR FULL PRODUCT DETAILS

Cover photo features Dove Grey 12 x 24 on the floor.
Above photo features Iron Grey 12 x 24 on the floor.

FLOOR

PORTFOLIO™

COLORBODY™ PORCELAIN FLOOR & GLAZED CERAMIC MOSAIC
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CONCRETE LOOK

SIZES:

- 24 x 24 Floor Tile
- 12 x 24 Floor Tile
- 6 x 24 Floor Tile
- Random Linear Mosaic
- 2 x 2 Mosaic

FINISHES: MATTE

FLOOR TILE

ICE PF01

WHITE PF02

DOVE GREY PF04

ASH GREY PF05

CREAM PF07

NOCE PF11

CHOCOLATE PF08

FANGO PF03

COTTO PF10

IRON GREY PF06

CHARCOAL PF09

SLIP RESISTANT

WATERPROOF

STAINPROOF

DENTPROOF

SCRATCH-RESISTANT†

FIRE-RESISTANT†
†Not Applicable to Mesh-Mounted Mosaics

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2 X 2 GLAZED CERAMIC MOSAIC

ICE PF01

WHITE PF02

DOVE GREY PF04

ASH GREY PF05

CREAM PF07

NOCE PF11

CHOCOLATE PF08

FANGO PF03

COTTO PF10

IRON GREY PF06

CHARCOAL PF09

RANDOM LINEAR PORCELAIN MOSAIC

EARTH BLEND PF14
(40% PF11 Noce, 40% PF07 Cream,
20% PF03 Fango)

SKYLINE BLEND PF12
(33% PF02 White, 33% PF05 Ash Grey,
33% PF09 Charcoal)

SEASON BLEND PF13
(40% PF11 Noce, 40% PF09 Charcoal,
20% PF08 Chocolate)

FLOOR

PORTFOLIO™

COLORBODY™ PORCELAIN FLOOR & GLAZED CERAMIC MOSAIC
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TF-002-DA

CONCRETE LOOK

SIZES

			Thickness	Sq. Ft./ Carton	Pieces/ Carton
	24 x 24 Floor Tile	(23-3/8" x 23-3/8") (59.44 cm x 59.44 cm)	5/16"	15.20	4
	12 x 24 Floor Tile	(11-5/8" x 23-3/8") (29.56 cm x 59.44 cm)	5/16"	15.12	8
	6 x 24 Floor Tile	(5-3/4" x 23-3/8") (14.63 cm x 59.44 cm)	5/16"	10.23	11
	Random Linear Mosaic+ (Mesh-mounted)	(12" x 27" Sheet) (30.48 cm x 68.58 cm Sheet)	5/16"	7.60	4
	2 x 2 Mosaic (Dot-mounted)	(12" x 24" Sheet) (30.48 cm x 60.96 cm Sheet)	1/4"	24.00	12

+Available in three unique color blends only; visit daltile.com/Portfolio for more information.

APPLICATIONS

	Target DCOF wet	Suitable
Dry & Level – Interior Floor	N/A	✓
Wet & Level – Interior Floor	≥ 0.42	✓
Shower Floors (Residential or Light Commercial)	≥ 0.42	✓*
Exterior Floor Applications (including pool decking & other wet areas with minimal footwear)	≥ 0.60	
Ramps & Inclines	≥ 0.65	
Walls/Backsplashes	N/A	✓
Countertops	N/A	✓
Pool Linings	N/A	✓*

A DCOF value of ≥0.42 is the standard for tiles specified for level interior spaces expected to be walked upon when wet, as stated in ANSI A137.1-A326.3. For more information about DCOF and the DCOF AcuTest™, visit daltile.com/DCOF.

APPLICATION NOTES:

Suitable for exterior applications in freezing and non-freezing climates, when proper installation methods are followed.

2 x 2 mosaic suitable for exterior applications in non-freezing climates, when proper installation methods are followed.

* 2 x 2 mosaic tile only

PERFORMANCE CHARACTERISTICS

	ASTM#	Floor/Linear Mosaic Result	2 x 2 Mosaic Result
Water Absorption	C373	< 0.5%	< 3.0%
Breaking Strength	C648	> 275 lbs	> 250 lbs
Scratch Hardness	MOHS	8.0	8.0
Chemical Resistance	C650	Resistant	Resistant

For additional information on test results, visit us at: daltile.com/information/TestResults.

TRIM

	Type	Number	Size	Pieces/ Carton
	Bullnose	P-43C9	3 x 12	30
	Cove Base	P-36C9TB	6 x 12	22
	Cove Base Outcorner	PC-36C9TB	1 x 6	15

Cove base trim is intended to coordinate with floor tile in the standard 90-degree installation position.

Cove base and cove corner trim are suitable for non-freezing climates only.

INSTALLATION

Grout Joint Recommendation	Shade Variation
Floor: 1/8" (3/16" when multiple sizes are installed in a modular pattern, and/or when installing tile with a length 15" or greater in a staggered brick-joint pattern; overlap should not exceed 33%.) **Mosaic:** 1/8"	Random (V2)

DURABILITY

Floor Surface Wear Resistance

1	Residential Bathrooms	3	All Residential / Light Commercial
2	All Residential Areas	4	All Residential / Commercial

NOTES

Since there are variations in all fired ceramic and natural products, tile and trim supplied for your particular installation may not match samples. Final confirmation should be made from actual tiles and trim prior to installation. Manufactured in accordance with ANSI A137.1 standards.

Not for use on ramps. Water, oil, grease, improper drainage and certain footwear can create slippery conditions. Floor applications expected to be exposed to these conditions require extra caution in product selection.

For additional information refer to "Factors to Consider" at: daltile.com/Factors.

Special consideration needs to be given when installing tiles greater than 15 inches. Please refer to daltile.com/LargeTiles for more information.

Special care should be taken when grouting with dark pigmented colors. A grout release is recommended to prevent finely powdered pigments from lodging in the pores of the surface. Use of a latex modified thin-set is recommended for installation.

POST-CONSUMER RECYCLED MATERIALS

PRE-CONSUMER RECYCLED MATERIALS

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All or select items within this series meet the requirements for these qualifications. For more information, visit daltile.com.

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Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TF-003-CT

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Tile Floor
Item Type	Large Format Porcelain Tile
Description	Large Format Porcelain Tile
Manufacturer	Ceramic Technics
Model	Evolve
Dimensions	12" x 24" x 3/8" Thick
Color	Charcoal
Finish	Natural
Material Composition	Porcelain
CSI #	093000 - Tiling
Omniclass #	22-09 30 13 - Tiling
Quality Standards	ANSI A108/A118/A136.1 American National Specifications for the Installation of Ceramic Tile; ANSI A326.3 American National Standard Test Method for Measuring Dynamic Coefficient of Friction of Hard Surface Flooring Materials; ASTM C373 Standard Test Methods for Determination of Water Absorption and Associated Properties...for Pressed Ceramic Tiles and Boil Method for Extruded Ceramic Tiles; TCNA Handbook for Ceramic, Glass, and Stone Tile Installation
Accessibility Compliance	All Horizontal Surfaces: DCOF 0.42 when wet (ANSI A137.1-2012 (BOT 3000))
Accessories	Crack suppression membrane
Part of an Assembly	N
Recommended Grout	Refer to Design Guideline Drawings for Grout mark number.
Coefficient of Friction	Greater than or equal to 0.42 Wet
Finish	Natural
Product/Color	Evolve, Charcoal
Lead Time	In Stock
Notes	Pattern: Stack Bond Recommended Grout Joint Width: 1/8"

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Ceramic Technics
Contact Name: Mary Beth Tallant
Phone: (770) 891-0684
Email: mtallant@ceramictechnics.com

ALTERNATE MANUFACTURER 2

AREAS

Lobby
Guest Laundry
Ice-Vending
Elevator Lobby
Hydration Station

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Vendor Name: Daltile Contact Name: Morgan Stephenson Phone: (214) 309-4531 Email: morgan.stephenson@daltile.com	
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TF-003-DA

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Tile Floor
Item Type	Floor Tile
Description	Floor TIle
Manufacturer	Daltile
Model	Portfolio
Dimensions	12" x 24" x 5/16"
Color	Dove Gray PF04
Finish	Matte
Material Composition	Porcelain
CSI #	093000 - Tiling
Omniclass #	22-09 30 13 - Tiling
Quality Standards	ANSI A108/A118/A136.1 American National Specifications for the Installation of Ceramic Tile; ANSI A326.3 American National Standard Test Method for VMeasuring Dynamic Coefficient of Friction of Hard Surface Flooring Materials; ASTM C373 Standard Test Methods for Determination of Water Absorption and Associated Properties for Pressed Ceramic Tiles and Boil Method for Extruded Ceramic Tiles; TCNA Handbook for Ceramic, Glass, and Stone Tile Installation
Accessibility Compliance	All Horizontal Surfaces: COF 0.42 when wet (ANSI A326.3)
Part of an Assembly	N
Recommended Grout	Refer to Design Guideline Drawings for Grout mark number.
Coefficient of Friction	Greater than or equal to 0.42 Wet (Natural)
Finish	Matte
Product/Color	Portfolio Dove Gray PF04
Lead Time	5-7 Days
Notes	1/8" Grout Joint Width. In Stock.

SPECIAL INSTRUCTIONS
Stack Bond

MANUFACTURER

Vendor Name: Daltile
Contact Name: Morgan Stephenson
Phone: (214) 309-4531
Email: morgan.stephenson@daltile.com

ALTERNATE MANUFACTURER 2

Vendor Name: CERAMIC TECHNICS LTD
Contact Name:

AREAS

Lobby
Guest Laundry
Ice-Vending
Elevator Lobby
Hydration Station

Phone: Email:	
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

TF-003-DA

CONCRETE LOOK

FLOOR

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TF-003-DA

FLOOR

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As popular as the contemporary tone-on-tone look of cement may be, it's even more appealing with the added depth and richness of the Portfolio™ series. An impressive palette of neutral hues creates calm monochromatic effects. The colors and sizes easily combine for customized results. Manufactured in the USA and offered in 24 x 24, 12 x 24, and 6 x 24 – Portfolio is an incredibly resourceful choice that's bound to be a favorite in any commercial space.

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  - Tone-on-tone concrete look supports any style, giving designers added flexibility to create lasting looks
  - Broad color offering of 11 different options across a warm and cool palette
  - Three popular sizes, including a 6 x 24 rectangle, allow for a modular approach to floor and wall designs
  - Coordinating 2 x 2 mosaics and linear decorative mosaics
- TECHNICAL SUPPORT
  - ColorBody™ tile with rectified edges for near seamless designs
  - A modern European look and feel manufactured in the USA

CONCRETE LOOK

USAGE

FLOOR
WALL
COUNTERTOP
SHOWER FLOOR
EXTERIOR FLOOR

SPECIAL FEATURES

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MOSAIC/ DECO
ENCAUSTIC
TERRAZZO
PAVER
CUSTOMIZE
FLEXFIT™

LOW HIGH

SEE CHARTS FOR FULL PRODUCT DETAILS

Cover photo features Dove Grey 12 x 24 on the floor.
Above photo features Iron Grey 12 x 24 on the floor.

CONCRETE LOOK

FLOOR

PORTFOLIO™

COLORBODY™ PORCELAIN FLOOR & GLAZED CERAMIC MOSAIC
with REVEAL IMAGING®

SIZES:

- 24 x 24 Floor Tile
- 12 x 24 Floor Tile
- 6 x 24 Floor Tile
- Random Linear Mosaic
- 2 x 2 Mosaic

FINISHES: MATTE

FLOOR TILE

ICE PF01

WHITE PF02

DOVE GREY PF04

ASH GREY PF05

CREAM PF07

NOCE PF11

CHOCOLATE PF08

FANGO PF03

COTTO PF10

IRON GREY PF06

CHARCOAL PF09

SLIP RESISTANT
WATERPROOF
STAINPROOF
DENTPROOF
SCRATCH-RESISTANT†
FIRE-RESISTANT†
†Not Applicable to Mesh-Mounted Mosaics
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2 X 2 GLAZED CERAMIC MOSAIC

ICE PF01

WHITE PF02

DOVE GREY PF04

ASH GREY PF05

CREAM PF07

NOCE PF11

CHOCOLATE PF08

FANGO PF03

COTTO PF10

IRON GREY PF06

CHARCOAL PF09

RANDOM LINEAR PORCELAIN MOSAIC

EARTH BLEND PF14
(40% PF11 Noce, 40% PF07 Cream,
20% PF03 Fango)

SKYLINE BLEND PF12
(33% PF02 White, 33% PF05 Ash Grey,
33% PF09 Charcoal)

SEASON BLEND PF13
(40% PF11 Noce, 40% PF09 Charcoal,
20% PF08 Chocolate)

FLOOR

PORTFOLIO™

COLORBODY™ PORCELAIN FLOOR & GLAZED CERAMIC MOSAIC
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TF-003-DA

CONCRETE LOOK

SIZES

			Thickness	Sq. Ft./ Carton	Pieces/ Carton
	24 x 24 Floor Tile	(23-3/8" x 23-3/8") (59.44 cm x 59.44 cm)	5/16"	15.20	4
	12 x 24 Floor Tile	(11-5/8" x 23-3/8") (29.56 cm x 59.44 cm)	5/16"	15.12	8
	6 x 24 Floor Tile	(5-3/4" x 23-3/8") (14.63 cm x 59.44 cm)	5/16"	10.23	11
	Random Linear Mosaic+ (Mesh-mounted)	(12" x 27" Sheet) (30.48 cm x 68.58 cm Sheet)	5/16"	7.60	4
	2 x 2 Mosaic (Dot-mounted)	(12" x 24" Sheet) (30.48 cm x 60.96 cm Sheet)	1/4"	24.00	12

+Available in three unique color blends only; visit daltile.com/Portfolio for more information.

APPLICATIONS

	Target DCOF wet	Suitable
Dry & Level – Interior Floor	N/A	✓
Wet & Level – Interior Floor	≥ 0.42	✓
Shower Floors (Residential or Light Commercial)	≥ 0.42	✓*
Exterior Floor Applications (including pool decking & other wet areas with minimal footwear)	≥ 0.60	
Ramps & Inclines	≥ 0.65	
Walls/Backsplashes	N/A	✓
Countertops	N/A	✓
Pool Linings	N/A	✓*

A DCOF value of ≥0.42 is the standard for tiles specified for level interior spaces expected to be walked upon when wet, as stated in ANSI A137.1-A326.3. For more information about DCOF and the DCOF AcuTest™, visit daltile.com/DCOF.

APPLICATION NOTES:

Suitable for exterior applications in freezing and non-freezing climates, when proper installation methods are followed.

2 x 2 mosaic suitable for exterior applications in non-freezing climates, when proper installation methods are followed.

* 2 x 2 mosaic tile only

PERFORMANCE CHARACTERISTICS

	ASTM#	Floor/Linear Mosaic Result	2 x 2 Mosaic Result
Water Absorption	C373	< 0.5%	< 3.0%
Breaking Strength	C648	> 275 lbs	> 250 lbs
Scratch Hardness	MOHS	8.0	8.0
Chemical Resistance	C650	Resistant	Resistant

For additional information on test results, visit us at: daltile.com/information/TestResults.

TRIM

	Type	Number	Size	Pieces/ Carton
	Bullnose	P-43C9	3 x 12	30
	Cove Base	P-36C9TB	6 x 12	22
	Cove Base Outcorner	PC-36C9TB	1 x 6	15

Cove base trim is intended to coordinate with floor tile in the standard 90-degree installation position.

Cove base and cove corner trim are suitable for non-freezing climates only.

INSTALLATION

Grout Joint Recommendation	Shade Variation
Floor: 1/8" (3/16" when multiple sizes are installed in a modular pattern, and/or when installing tile with a length 15" or greater in a staggered brick-joint pattern; overlap should not exceed 33%.) **Mosaic:** 1/8"	Random (V2)

DURABILITY

Floor Surface Wear Resistance

1	Residential Bathrooms	3	All Residential / Light Commercial
2	All Residential Areas	4	All Residential / Commercial

NOTES

Since there are variations in all fired ceramic and natural products, tile and trim supplied for your particular installation may not match samples. Final confirmation should be made from actual tiles and trim prior to installation. Manufactured in accordance with ANSI A137.1 standards.

Not for use on ramps. Water, oil, grease, improper drainage and certain footwear can create slippery conditions. Floor applications expected to be exposed to these conditions require extra caution in product selection.

For additional information refer to "Factors to Consider" at: daltile.com/Factors.

Special consideration needs to be given when installing tiles greater than 15 inches. Please refer to daltile.com/LargeTiles for more information.

Special care should be taken when grouting with dark pigmented colors. A grout release is recommended to prevent finely powdered pigments from lodging in the pores of the surface. Use of a latex modified thin-set is recommended for installation.

POST-CONSUMER RECYCLED MATERIALS

PRE-CONSUMER RECYCLED MATERIALS

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Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TF-006-CT

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Tile Floor
Item Type	Tile Floor
Description	Tile Floor
Manufacturer	Ceramic Technics
Model	Gentle Stone
Dimensions	12" x 24"
Color	White Out GST3100
Finish	Natural
CSI #	093000 - Tiling
Omniclass #	22-09 30 13
Quality Standards	ANSI A108/A118/A136.1 American National Specifications for the Installation of Ceramic Tile; ANSI A326.3 American National Standard Test Method for Measuring Dynamic Coefficient of Friction of Hard Surface Flooring Materials; ASTM C373 Standard Test Methods for Determination of Water Absorption and Associated Properties...for Pressed Ceramic Tiles and Boil Method for Extruded Ceramic Tiles; TCNA Handbook for Ceramic, Glass, and Stone Tile Installation
Accessibility Compliance	All Horizontal Surfaces: DCOF 0.42 when wet (ANSI A137.1-2012 (BOT 3000))
Accessories	Crack suppression membrane
Part of an Assembly	N
Recommended Grout	Refer to Design Guideline Drawings for Grout mark number.
Coefficient of Friction	Greater than or equal to 0.42 Wet ?
Product/Color	Gentle Stone, White Out GST3100
Notes	Installation: 1/3 Offset

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Ceramic Technics
Contact Name: Mary Beth Tallant
Phone: (770) 891-0684
Email: mtallant@ceramictechnics.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Indoor Pool

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TF-007-CT

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Tile Floor
Item Type	Porcelain Tile
Description	Porcelain Plank Floor Tile, Herringbone Pattern
Manufacturer	Ceramic Technics
Model	Canterino Natural Wood
Dimensions	6" x 36" x 3/8", Non-Rectified
Color	Noce Chiaro
Finish	Natural R9
Material Composition	Porcelain
CSI #	093000 - Tiling
Omniclass #	22-09 30 13 - Tiling
Quality Standards	ANSI A108/A118/A136.1 American National Specifications for the Installation of Ceramic Tile; ANSI A326.3 American National Standard Test Method for Measuring Dynamic Coefficient of Friction of Hard Surface Flooring Materials; ASTM C373 Standard Test Methods for Determination of Water Absorption and Associated Properties...for Pressed Ceramic Tiles and Boil Method for Extruded Ceramic Tiles; TCNA Handbook for Ceramic, Glass, and Stone Tile Installation
Accessibility Compliance	All Horizontal Surfaces: DCOF 0.42 when wet (ANSI A137.1)
Accessories	Crack suppression membrane
Part of an Assembly	N
Recommended Grout	Refer to Design Guideline Drawings for Grout mark number.
Coefficient of Friction	Greater than or equal to 0.42 Wet (Natural R9)
Finish	Natural
Product/Color	Noce Chiaro
Lead Time	In Stock
Notes	Refer to Design Guideline Drawings for Installation Method. Recommended Grout Joint Width: 1/8"

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Ceramic Technics
Contact Name: Mary Beth Tallant
Phone: (770) 891-0684
Email: mtallant@ceramictechnics.com

AREAS

Buffet

ALTERNATE MANUFACTURER 2 Vendor Name: Daltile Contact Name: Morgan Stephenson Phone: (214) 309-4531 Email: morgan.stephenson@daltile.com	
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Canterino Natural Wood

ceramictechnics.com/product/canterino-natural-wood (https://ceramictechnics.com/product/canterino-natural-wood/)

CANTERINO NATURAL WOOD is available in 5 colors: **Sbiancato, Noce Chiaro, Larice**, **Grigio**and **Noce Scuro**.
Available Sizes: **6"x36" Non-Rectified**.
Available Finish: **Natural R9** and **Grip R11**.
Available Thickness: **9mm**.
Available Special Pieces: **Bullnose**.

Canterino Natural Wood Brochure (https://ceramictechnics.sharepoint.com/_layouts/15/guestaccess.aspx?docid=07135a8b54cd442598ceaef054d881139&authkey=AVQ4dKJblnAAAOjLX_64_R8)

Categories: Porcelain Tile (https://ceramictechnics.com/tile-category/porcelain/), Wood Visual (https://ceramictechnics.com/tile-category/porcelain/wood-visual/).

Request a Sample

Colors

Tile Size

Finish

Request Sample

Color Availability.

Sbiancato

Noce Chiaro

Larice

Grigio

Noce Scuro

Product photography and samples are to be used as a general guide. Color as well as percentage, size and shape of markings will vary. Sizes are nominal, not actual.

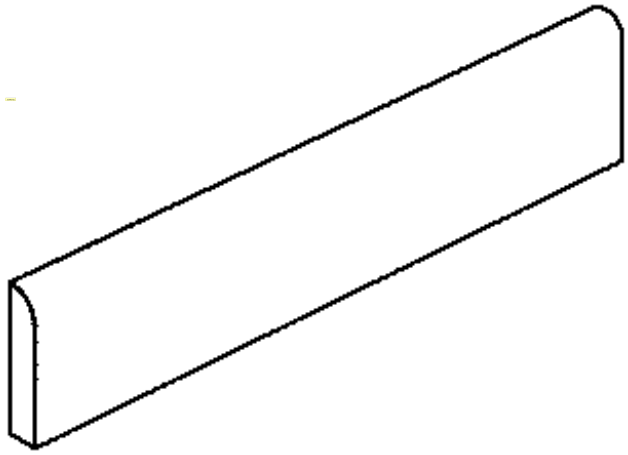
Size Availability

6”x36” Non-Rectified

SIZE	THICKNESS	FINISH	COLORS
6”x36” Non-Rectified	9mm	Natural R9/Grip R11	Sbiancato/Noce Chiaro/Larice/Grigio/Noce Scuro

Special Pieces

Bullnose 3"x36"



PIECES	SIZE	THICKNESS	FINISH	COLORS
Bullnose	3"×36"	-	Natural R9	Sbiancato/Noce Chiaro/Larice/Grigio/Noce Scuro

TECHNICAL INFORMATION

TECHNICAL FEATURES	TEST METHODS	REQUIRED VALUE	AVERAGE VALUE	
			Natural R9	Grip R11
D.C.O.F.	ANSI A137.1	≥ 250 lbf	0.42 Wet	

PACKAGING

ITEM	PCS/BOX	MQ/BOX	KG/BOX	BOX/PAL	MQ/PAL	KG/PAL
6"×36"	9	1.215	24.30	48	58.32	1166
Bullnose 3"×36"	10					

Digital Porcelain
PEI IV

Canterino Natural Wood Brochure (https://ceramictechnics.sharepoint.com/_layouts/15/guestaccess.aspx?docid=07135a8b54cd442598ceaef054d881139&authkey=AVQ4dKJblnAAAOjLX_64_R8)

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TF-007-DA

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Tile Floor
Item Type	Porcelain Floor Tile
Description	Porcelain Plank Floor Tile, Herringbone Pattern
Manufacturer	Daltile
Model	Saddle Brook
Dimensions	6" x 36" x 5/16" thick
Color	SD13 Oak Trail
Finish	Matte
Material Composition	Porcelain
CSI #	093000 - Tiling
Omniclass #	22-09 30 13 - Tiling
Quality Standards	ANSI A108/A118/A136.1 American National Specifications for the Installation of Ceramic Tile; ANSI A326.3 American National Standard Test Method for VMeasuring Dynamic Coefficient of Friction of Hard Surface Flooring Materials; ASTM C373 Standard Test Methods for Determination of Water Absorption and Associated Properties for Pressed Ceramic Tiles and Boil Method for Extruded Ceramic Tiles; TCNA Handbook for Ceramic, Glass, and Stone Tile Installation
Accessibility Compliance	All Horizontal Surfaces: COF 0.42 when wet (ANSI A326.3)
Part of an Assembly	N
Recommended Grout	Refer to Design Guideline Drawings for Grout mark number.
Coefficient of Friction	Greater than or equal to 0.42 Wet (Natural)
Finish	Matte
Product/Color	Saddle Brook SD13 Oak Trail
Lead Time	5-7 Days
Notes	Refer to Design Guideline Drawings for Installation Method.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Daltile
Contact Name: Morgan Stephenson
Phone: (214) 309-4531
Email: morgan.stephenson@daltile.com

ALTERNATE MANUFACTURER 2

Vendor Name: CERAMIC TECHNICS LTD
Contact Name:

AREAS

Buffet

Phone: Email:	
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

TF-007-DA

FLOOR

SADDLE BROOK™

GLAZED PORCELAIN with REVEAL IMAGING®

daltile®

IMAGINE WHAT'S POSSIBLE

Above and cover photos feature Saddle Brook™ Farmhouse 6 x 36 on the floor.

The Beautiful Look of Hardwood without Compromise

Let the warmth and timeless look of hardwood flow through the entire home with Saddle Brook glazed porcelain tile. An authentic hardwood visual is combined with four natural wood tones to give a realistic look on a durable, scratch-resistant surface.

- AUTHENTIC APPEAL
  - Timeless design and a warm color palette are combined for an authentic look
  - Reveal Imaging® technology creates an incredibly authentic visual by combining rich color with a wide variation of natural wood patterns
  - Popular plank size with coordinating trim
- RICHNESS OF WOOD WITHOUT THE WORRY
  - High moisture resistance, which is ideal to bring a wood look to areas such as bathrooms and kitchens
  - Ease of maintenance and high durability of glazed porcelain

PRE-CONSUMER RECYCLED MATERIALS

MADE IN THE U.S.A.

REVEAL IMAGING®

All or select items within this series meet the requirements for these qualifications. For more information visit daltile.com.

CERTIFIED PORCELAIN TILE 0.5% or less water absorption

USAGE

Floors	Walls	Countertops
F	W	C

FLOOR

SADDLE BROOK™

GLAZED PORCELAIN with REVEAL IMAGING®

FLOOR TILE*

OAK TRAIL SD13

FARMHOUSE SD14

WALNUT CREEK SD15

GRAVEL ROAD SD16

* Also available in Saddle Brook XT™ SD83-86 with StepWise™ technology for exterior floor applications.

FLOOR

SADDLE BROOK™

GLAZED PORCELAIN with REVEAL IMAGING®

SIZES

		Thickness	Sq. Ft./ Carton	Pieces/ Carton
	6 x 36 Floor Tile (5-7/8" x 35-7/16") (15.00 cm x 90.00 cm)	5/16"	13.05	9

APPLICATIONS

	Target DCOF wet	Suitable
Dry & Level – Interior Floor	N/A	✓
Wet & Level – Interior Floor	≥ 0.42	✓
Shower Floors (Residential or Light Commercial)	≥ 0.42	
Exterior Floor Applications (including pool decking & other wet areas with minimal footwear)	≥ 0.60	
Ramps & Inclines	≥ 0.65	
Walls/Backsplashes	N/A	✓
Countertops	N/A	✓
Pool Linings	N/A	

A DCOF value of ≥ 0.42 is the standard for tiles specified for level interior spaces expected to be walked upon when wet, as stated in ANSI A137.1-2012, Section 9.6. For more information about DCOF and the DCOF AcuTest™, visit daltile.com/DCOF.

APPLICATION NOTES:

Suitable for exterior applications in freezing and non-freezing climates, when proper installation methods are followed.

TRIM

	Type	Number	Size	Pieces/ Carton
	Bullnose	S-43H9	3 x 18	16

Floor bullnose trim is intended to coordinate with floor tile in the standard 90-degree installation position.

INSTALLATION

Grout Joint Recommendation	Shade Variation
3/16" (Overlap should not exceed 33% when installing tile with a length 15" or greater in a staggered brick-joint pattern.)	High (V3)

PERFORMANCE CHARACTERISTICS

	ASTM#	Result
Water Absorption	C373	< 0.5%
Breaking Strength	C648	> 275 lbs
Scratch Hardness	MOHS	8.0
Chemical Resistance	C650	Resistant
Abrasion Resistance	C1027	3

For additional information on test results, visit us at: daltile.com/information/TestResults.

NOTES

Since there are variations in all fired ceramic and natural products, tile and trim supplied for your particular installation may not match samples. Final confirmation should be made from actual tiles and trim prior to installation. Manufactured in accordance with ANSI A137.1 standards.

Not for use on ramps. Water, oil, grease, improper drainage and certain footwear can create slippery conditions. Floor applications expected to be exposed to these conditions require extra caution in product selection.

For additional information refer to "Factors to Consider" at: daltile.com/Factors.

Special consideration needs to be given when installing tiles greater than 15 inches. Please refer to daltile.com/LargeTiles for more information.

Use of a latex modified thin-set is recommended for installation. For more information, visit daltile.com.

Saddle Brook XT™ with StepWise™ technology is also available for exterior floor applications. For more information, visit daltile.com/SaddleBrookXT.

daltile greenworks™ ENVIRONMENTAL LEADERSHIP THAT WORKS

U.S. GREEN BUILDING COUNCIL MEMBER

DESIGNED TO HELP EARN LEED™ CREDITS. For more detailed information, visit **daltilegreenworks.com.**

7834 C.F. Hawn Freeway,
Dallas, Texas 75217 | 1.800.933.TILE

To view the complete collection of Daltile® products and information, visit our website at **daltile.com.**

daltile®

IMAGINE WHAT'S POSSIBLE™

©2017 Daltile (7/17)

Tile - Wall

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TW-002-CT

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Wall Tile
Item Type	Wall Tile
Description	Large Format Porcelain Tile
Manufacturer	Ceramic Technics
Model	Firenze Slimstone Urban
Dimensions	39" x 118" x 3.5 mm
Color	Charcoal
Finish	Honed
Material Composition	Porcelain
CSI #	093000 - Tiling
Omniclass #	22-093000 - Tiling
Recommended Grout	Refer to Design Guideline Drawings for Grout mark number.
Finish	Honed
Product/Color	Firenze Slimstone Urban/Charcoal
Notes	One Slab, No Seams

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Ceramic Technics
Contact Name: Mary Beth Tallant
Phone: (770) 891-0684
Email: mtallant@ceramictechnics.com

ALTERNATE MANUFACTURER 2

Vendor Name: Daltile
Contact Name: Morgan Stephenson
Phone: (214) 309-4531
Email: morgan.stephenson@daltile.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

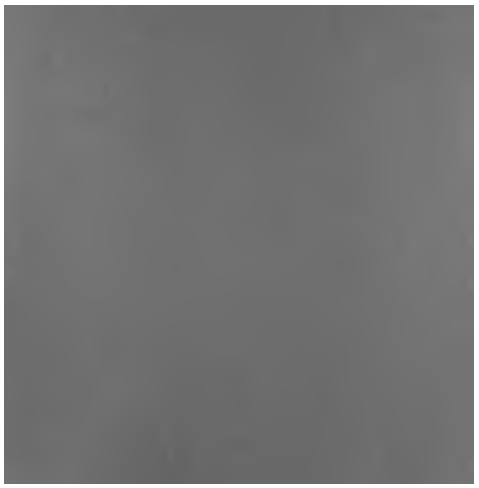
Welcome Desk
Reception

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TW-002-DA

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:



Item Name	Wall TIle
Item Type	Porcelain Wall Tile
Description	Porcelain Wall Tile
Manufacturer	Daltile
Model	Panoramic Industrial Porcelain
Dimensions	63" x 126" x 6mm thick
Color	CM08
Finish	Matte
Material Composition	Glazed Porcelain
CSI #	093000 - Tiling
Omniclass #	22 - 093000 - Tiling
Part of an Assembly	N
Recommended Grout	Refer to Design Guideline Drawings for Grout mark number.
Coefficient of Friction	N/A
Finish	Matte
Product/Color	Panoramic Industrial Porcelain CM08
Warranty	N/A

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Daltile
Contact Name: Morgan Stephenson
Phone: (214) 309-4531
Email: morgan.stephenson@daltile.com

ALTERNATE MANUFACTURER 2

Vendor Name: Ceramic Technics
Contact Name: Mary Beth Tallant
Phone: (770) 891-0684
Email: mtallant@ceramictechnics.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk

SLAB

TW-002-DA

PANORAMIC

porcelain surfaces™

ELEMENTAL SELECTION | INDUSTRIAL SELECTION | METALLIC SELECTION

daltile®

IMAGINE WHAT'S POSSIBLE™

TW-002-DA

INTRODUCING SURFACES
LIKE YOU'VE NEVER SEEN THEM BEFORE.

Panoramic Porcelain Surfaces™ features porcelain that performs and design that delivers for your walls, floors and countertops. This collection offers breathtaking views, stunning visuals and seamless design with no boundaries.

THE POSSIBILITIES: **LIMITLESS**

With Panoramic Porcelain Surfaces™, you have a unique opportunity to let your imagination run wild.

If you've ever dreamt of using limestone slab in places limestone should never be used, Panoramic can help you make those dreams come true. Or, if you've ever wished you could bathe a room in marble, now you can create that look at a fraction of the cost.

SLAB

USAGE

- FLOOR
- WALL
- COUNTERTOP
- SHOWER FLOOR
- EXTERIOR*

SPECIAL FEATURES

- STEPWISE™
- TRU-EDGE™
- MADE IN THE U.S.A.
- LARGE FORMAT
- MOSAIC/ DECO
- ENCAUSTIC
- TERRAZZO
- PAVER
- CUSTOMIZE
- FLEXFIT™

P PORCELAIN

LOW — HIGH

SEE CHARTS FOR FULL PRODUCT DETAILS

* EXCLUDES EXTERIOR FLOOR

SLIP RESISTANT | WATERPROOF | STAINPROOF | DENTPROOF | SCRATCH-RESISTANT | FIRE-RESISTANT | CLIMATEPRO™ | SIMPLICLEAN™

VISIT THE WHY TILE PAGE AT WWW.DALTILE.COM FOR A COMPLETE LIST OF QUALIFICATIONS AND EXCLUSIONS.

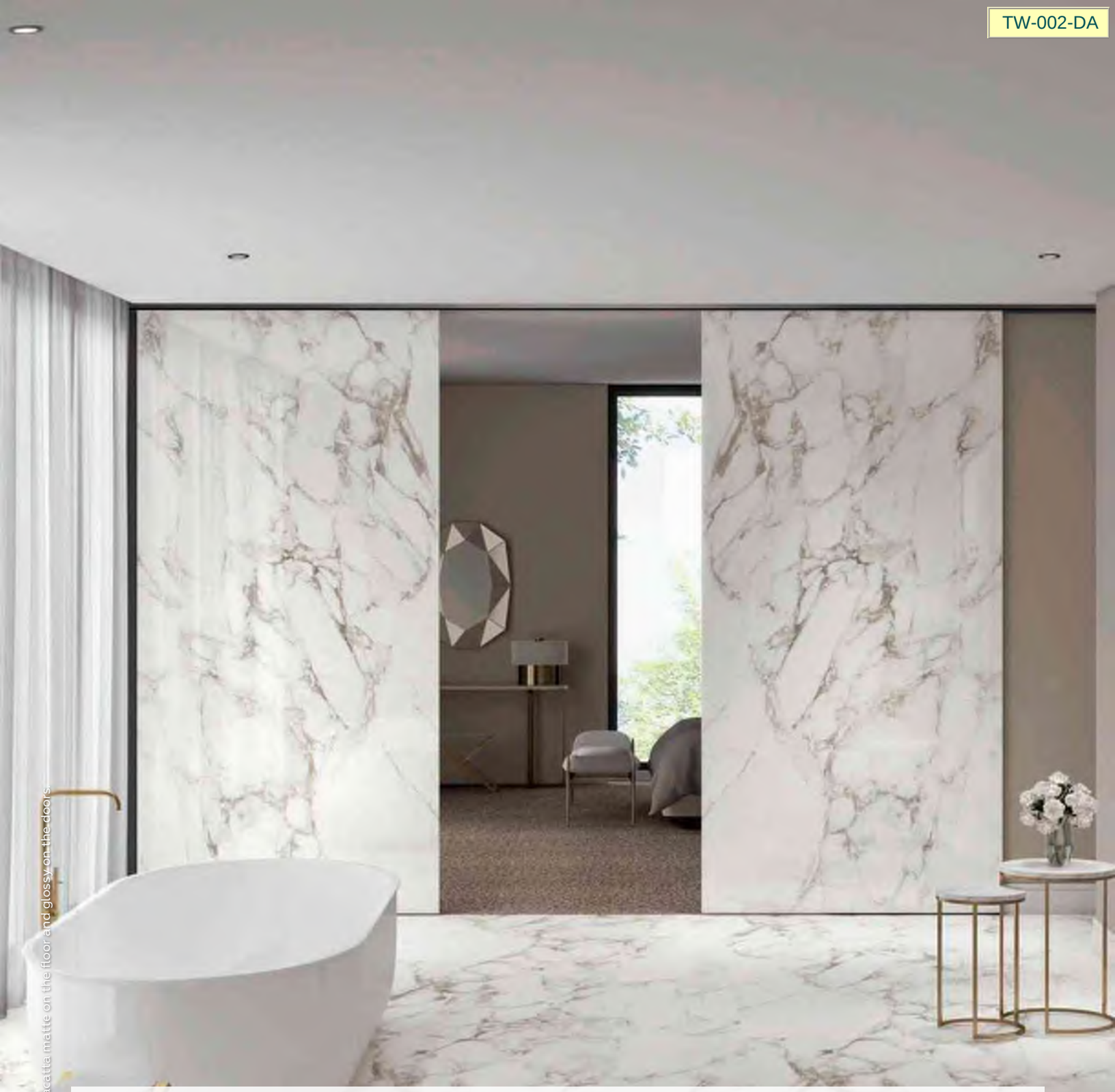


Photo features Elemental Selection Gypsum Calacatta matte on the floor and glossy on the doors

			RESISTANCE						
	PRICE	STYLE	CHIPS	HEAT	STAIN	SCRATCHES	SEALING REQUIRED	MAINTENANCE	PROS
PANORAMIC PORCELAIN SURFACES™	$$	•••	••	•••	•••	•••	NO	NO	Large size for fewer seams; lighter than other slab materials Great for indoor or outdoor installation Virtually maintenance-free Works on walls, floors & countertops – even outdoors

••• EXCELLENT
•• GOOD
• FAIR

SET THE STAGE FOR LUXURY

ELEMENTAL **SELECTION**

Elevate the ambiance of virtually any space with the sophisticated marble looks within Elemental Selection.

Create drama with striking vein patterns, or infuse tranquility with subtle marbling designs. Large format slabs create fewer grout lines for a more seamless appearance in both glossy and matte finishes. By combining the look of natural stone with the value and ease of porcelain, Elemental Selection reinvents classic décor.

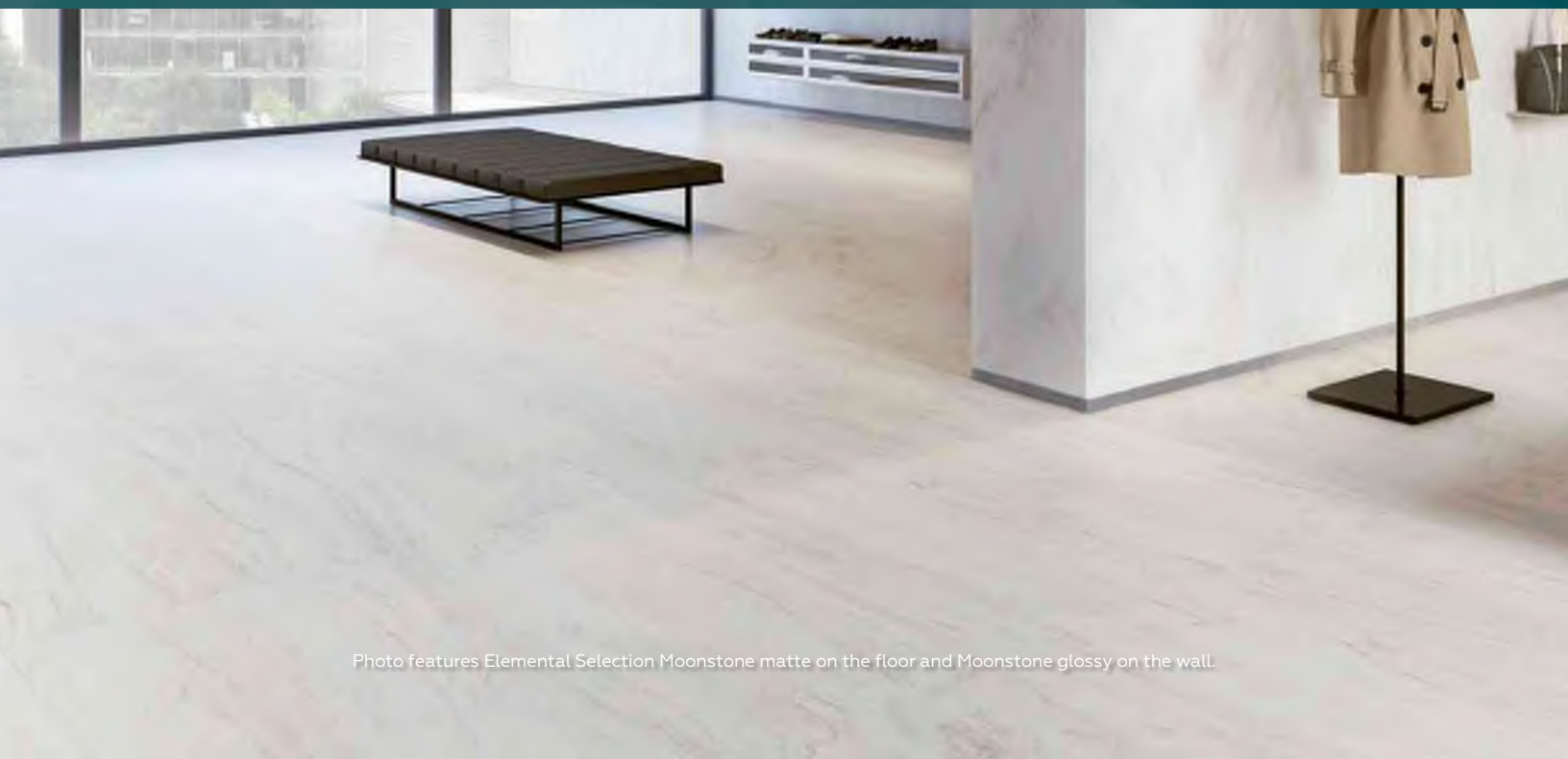


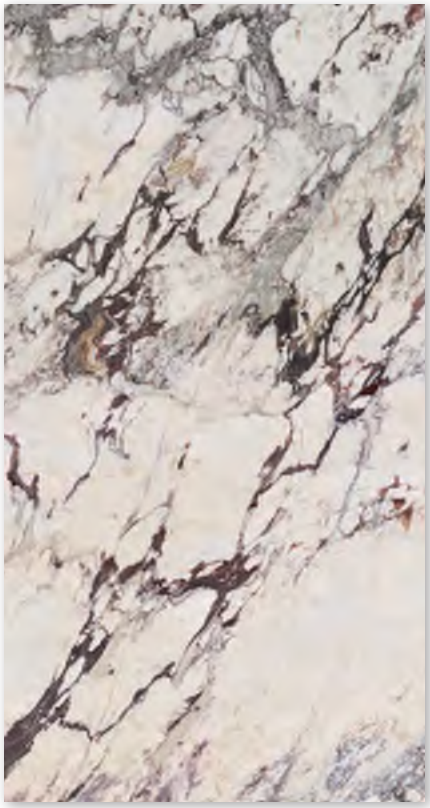
Photo features Elemental Selection Moonstone matte on the floor and Moonstone glossy on the wall.

Photo features Elemental Selection Calacatta Aries matte on the floor and Calacatta Aries glossy on the wall.

PANORAMIC
porcelain surfaces™

ELEMENTAL SELECTION
(Available in matte and glossy finishes)

NEW! GYPSUM CALACATTA CM22



NEW! CALACATTA ARIES CM21*

DIAMOND MINE CM12

MOONSTONE CM11

TITANIUM GREY CM13

ONYX GALAXY CM14

* 6 mm - Available in matte finish only

PANORAMIC
porcelain surfaces™

ELEMENTAL SELECTION
(Available in matte and glossy finishes)

STATUARIO CM03

CALACATTA CM04

MARFIL CM06

BLANC CM05*

* Available in matte finish only

INSPIRING RUGGED ELEGANCE

INDUSTRIAL **SELECTION**

Capture a sense of strength and character with Industrial Selection.

Bring the urban chic feel of a downtown gallery or loft to virtually any space with the look of sleek concrete. Large format slabs provide seamless style to more closely mimic the essence of poured concrete while the smooth, matte finish adds a touch of sophistication. Infuse your space with the robust, stoic presence of concrete while enjoying the versatility of porcelain tile with Industrial Selection.

Photo features Industrial Selection Cinder Rail matte on the floor and wall.

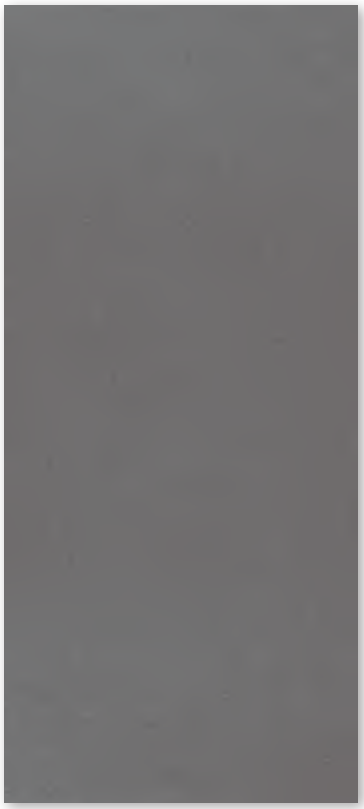
PANORAMIC
porcelain surfaces™

INDUSTRIAL SELECTION
(Available in matte finish only)

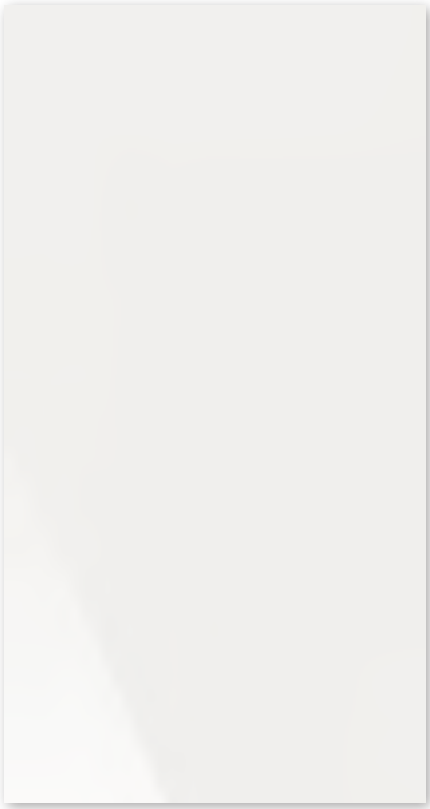
BELMONT TERRACE CM07

VICKERY TAUPE CM10

STONEWALL COAL CM09



HEARTH SMOKE CM08



MANOR WHITE CM18*

CINDER RAIL CM17

CHARRED NICKEL CM16

* Available in glossy & matte finishes

UNREFINED URBAN GLAMOUR

METALLIC SELECTION

Dazzle with the glitz and glam of the Metallic Selection.

Dripping with design and opulence, the reflective, iridescent metallic sheen encompassed on these sleek slabs takes fashion to new heights. The unrefined essence of concrete enhanced with mixed metals is provided on a scale only large format porcelain slabs can reach. Experience glimmering style with Metallic Selection.

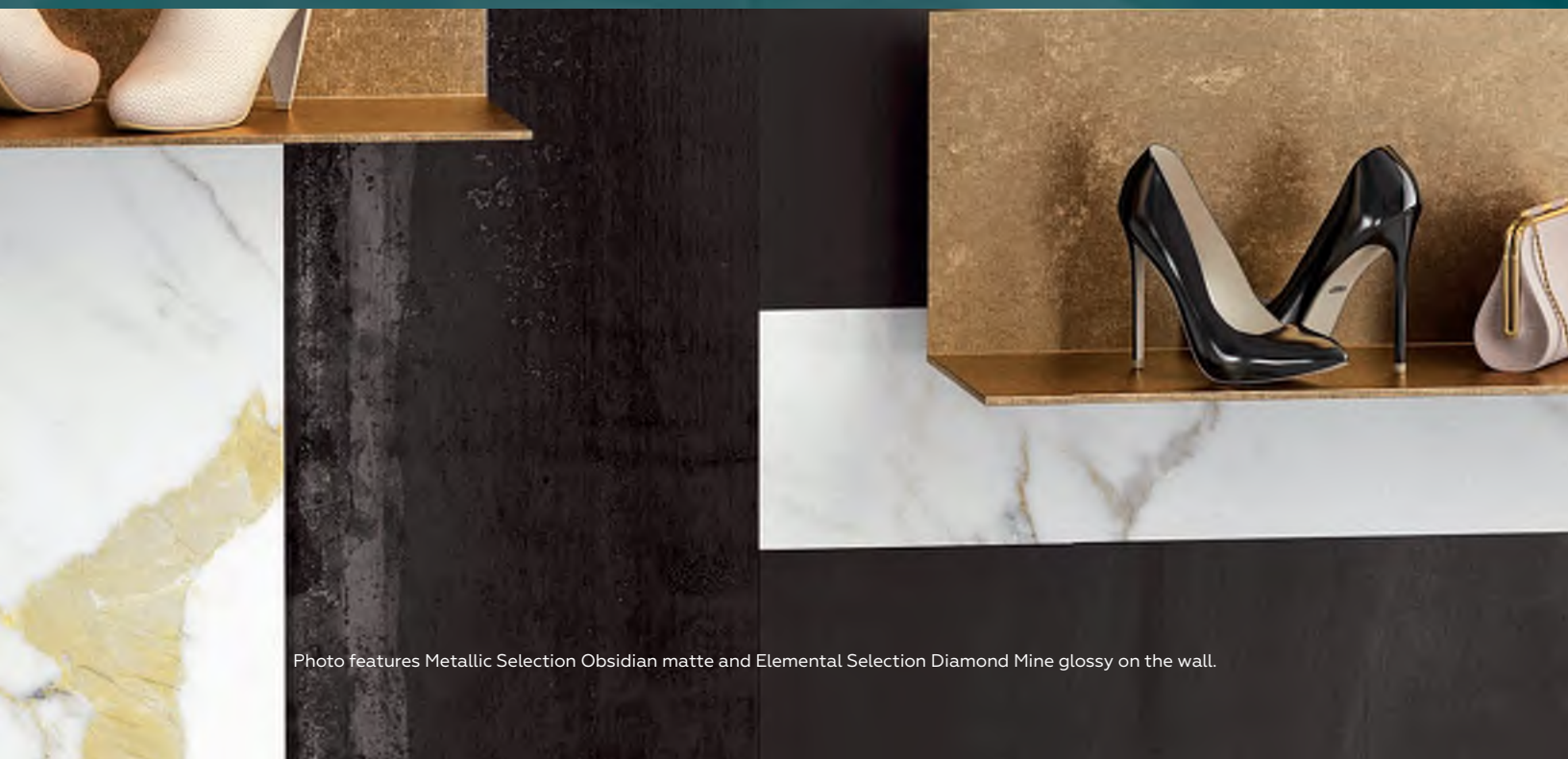


Photo features Metallic Selection Obsidian matte and Elemental Selection Diamond Mine glossy on the wall.

NEW! CHROMIUM CM19

NEW! OBSIDIAN CM20

Photo features Elemental Selection Onyx Galaxy glossy on the wall and Moonstone matte on the floor.

PANORAMIC
porcelain surfaces™

FLOOR | WALL | COUNTERTOPS

SIZES

Nominal Size	Actual Size	Thickness	Sq. Ft./ Slab
63" x 126" Slab	62-7/8" x 125-3/4"	1/4" (6 mm)	55.00
64" x 127" Slab	62-7/8" x 125-3/4"	1/2" (12 mm)*	56.00

FLEXFIT™ SIZE SOLUTIONS

Standard Stocked Sizes+	Actual Size	Thickness
63" x 63"	62" x 62"	6 mm or 12 mm*
31.50" x 126"	31" x 124"	6 mm or 12 mm*
31.50" x 63"	31" x 62"	6 mm or 12 mm*
15.75" x 63"	15-1/2" x 62"	6 mm or 12 mm*
31.50" x 31.50"	31" x 31"	6 mm or 12 mm*
15.75" x 31.50"	15-1/2" x 31"	6 mm or 12 mm*
21" x 21"	20-1/2" x 20-1/2"	6 mm or 12 mm*

PLUS – DREAM IT, DESIGN IT, WE CAN DO IT!
WITH OUR CUSTOM CUT TO SIZE PROGRAM
Request your quick quote: **customquote@daltile.com**
+ Please allow 1-2 weeks for processing & shipping FlexFit™ standard sizes.
* 12mm available for Calacatta Aries, Gypsum Calacatta, Diamond Mine, Moonstone, Statuario, Calacatta, Marfil and Manor White only

APPLICATIONS

	Target DCOF wet	Suitable
Dry & Level – Interior Floor	N/A	✓
Wet & Level – Interior Floor	≥ 0.42	✓*
Shower Floors (Residential or Light Commercial)	≥ 0.42	
Exterior Floor Applications (including pool decking & other wet areas with minimal footwear)	≥ 0.60	
Ramps & Inclines	≥ 0.65	
Walls/Backsplashes	N/A	✓
Countertops	N/A	✓
Pool Linings	N/A	

A DCOF value of ≥ 0.42 is the standard for tiles specified for level interior spaces expected to be walked upon when wet, as stated in ANSI A137.1-2012, Section 9.6. For more information about DCOF and the DCOF AcuTest™, visit daltile.com/DCOF.

APPLICATION NOTES:

Suitable for exterior applications in freezing and non-freezing climates, when proper installation methods are followed.

* Matte finish only.

INSTALLATION

Grout Joint Recommendation	Shade Variation
1/8"	**Medium (V2):** Industrial Selection, Metallic Selection **High (V3):** Elemental Selection

NOTES

Special consideration must be given when installing tiles greater than 15 inches. Please refer to ANSI A108.19 standards for Gauged Porcelain Slabs for more information.

Use of an LFT (Large Format Tile) mortar is required. Thin-set mortars are not suitable for Panoramic Porcelain Surfaces.

Since there are variations in all fired ceramic products, tile and trim supplied for your particular installation may not match these samples. Final color selection should be made from actual panels
and trim and not from product samples or color reproductions.

Water, oil, grease, etc. create slippery conditions. Floor applications with exposure to these conditions require extra caution in product selection. Not for use on ramps.

WARNING: This product can expose you to chemicals known to the State of California to cause cancer, including crystalline Silica (airborne particles of respirable size) in dust created if the product is dry cut/ground/polished or pulverized during fabrication/installation/removal. For more information, go to www.P65Warnings.ca.gov.

For additional information refer to "Factors to Consider" at daltile.com/Factors.

SLAB FACE – BOOK MATCHED APPLICATION

ELEMENTAL SELECTION SKU'S – 12 MM ONLY

STATUARIO CM03

CALACATTA CM04

DIAMOND MINE CM12

GYPSUM CALACATTA CM22*

CALACATTA ARIES CM21*

* Book matched faces also offered in 6mm Calacatta Aries and Gypsum Calacatta slabs.

Cover photo features Panoramic Porcelain Surfaces™ Elemental Selection Gypsum Calacatta matte on the floor and Gypsum Calacatta glossy on the doors.

Inside back cover photo features Industrial Selection Manor White glossy around the fireplace and on the countertop.

Dal-Tile | 7834 C.F. Hawn Freeway
Dallas, Texas 75217 | 1.800.933.TILE

To view the complete collection of Daltile® products and information, visit our website at **daltile.com.**

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Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TW-003-CT

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Wall Tile
Item Type	Wall Tile
Description	Porcelain Wall Tile
Manufacturer	Ceramic Technics
Model	Pavimenti Stone Prints
Dimensions	24" x 24" x 9.5mm
Color	Grey
Finish	Natural
Material Composition	Porcelain
CSI #	093000 - Tiling
Omniclass #	22-093000 - Tiling
Recommended Grout	Refer to Design Guideline Drawings for Grout mark number.
Finish	Natural
Product/Color	Pavimenti Stone Prints

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TW-003-CT

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

SPECIAL INSTRUCTIONS

MANUFACTURER	AREAS
Vendor Name: Ceramic Technics Contact Name: Mary Beth Tallant Phone: (770) 891-0684 Email: mtallant@ceramictechnics.com	Buffet
ALTERNATE MANUFACTURER 2	
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

PAVIMENTI STONE PRINTS

TW-003-CT

ceramic technics ltd

GREY Natural 24"x24"

TW-003-CT

BROWN Natural 24"x24"

TW-003-CT

BEIGE Natural 24"x24"

TW-003-CT

PAVIMENTI STONE PRINTS

COLOR & SIZE AVAILABILITY *Thickness: 9.5mm - Finish: Natural*

GREY 24"x24"

BROWN 24"x24"

BEIGE 24"x24"

5 different patterns, mixed randomly.

ceramic technics ltd

TECHNICAL CHARACTERISTICS

Technical Features	Regulation	Required Standards	Values
GRES FINE PORCELLANATO EN 14411 ISO 13006 Gruppo BIa Annex G			
Dimensioni Sizes Dimensions Abmessungen Afmetingen **Размер**	UNI EN ISO 10545/2	Lunghezza e larghezza Length and width Longueur et largeur Länge und Breite Lengte en breedte **Длина и ширина** **± 1.6 % max**	Spessore Thickness Épaisseur Stärke Dikte **Толщина** **± 5% max**	Rettilineità spigoli Linearity Rectitude des arêtes Kantengeradheit Rechtheid kanten **Прямолинейность граней** **± 1.5% max**	Ortogonalità Wedging Orthogonalité Rechtwinkligkeit Haaksheid hoeken **Ортогональность** **± 1.6 % max**	Planarità Warpage Planéité Ebenflächigkeit Vlakheid **Плоскостность** **± 1.5%**	Conforme According Conforme Genauso Conform **Соответствует**
Assorbimento Acqua Water absorption Absorption d'eau Wasseraufnahme Waterabsorptie **Водопоглощение**	UNI EN ISO 10545/3	≤ 0,5%					0,2%
Resistenza alla flessione Flexual strenght Résistance à la flexion Biegefestigkeit Buigsterkte **Прочность при изгибе**	UNI EN ISO 10545/4	≥ 35 N/mm²					Conforme According Conforme Entspricht Conform **Соответствует**
Resistenza all'abrasione Abrasion resistance Résistance à l'abrasion Abriebbeständigkeit Weerstand tegen afschuring **Стойкость к истираемости**	UNI EN ISO 10545/7	PEI					Grey PEI V (>12000rev) Beige PEI IV (12000rev) Brown PEI V (>12000rev)
Resistenza agli shock termici Thermal shock resistance Résistance aux écarts de température Temperaturwechselbeständigkeit Temperatuurschokbestendigheid **Стойкость к перепадам температур**	UNI EN ISO 10545/9	Nessun campione deve presentare difetti visibili No sample must show visible defects Aucun échantillon ne doit présenter des défauts visibles Kein Example darf sichtbare Schäden aufweisen Geen enkel monster mag zichtbare gebreken vertonen **Ни один образец не должен иметь видимых дефектов**					Resistenti Resistant Resistants Widerstand Weerbaarstig **Стойкий**
Resistenza al gelo Frost resistance Résistance au gel Frostwiderstandsfähigkeit Vorstbestandheid **Морозостойкость**	UNI EN ISO 10545/12	Resistenti Resistant Résistants Widerstand Weerbaarstig **Стойкий**					Non gelivi Frost proof Non gélifs Frostsicher Vorstbestandig **Морозостойкие**
Resistenza all'attacco chimico* Chemical resistance Résistance à l'attaque chimique Beständigkeit gegen chemisches Altern Chemische bestandheid **Стойкость к воздействию химических веществ**	UNI EN ISO 10545/13	Resistenza all'attacco chimico* Chemical resistance Résistance à l'attaque chimique Beständigkeit gegen chemisches Altern Chemische bestandheid **Стойкость к воздействию химических веществ**					Resistenti Resistant Résistants Widerstand Weerbaarstig **Стойкий**
Resistenza alle macchie Stain resistance Insensibilité aux taches Widerstandsfähigkeit gegen fleckenbildende agnes Weerstand tegen vlekken **Стойкость к образованию пятен**	UNI EN ISO 10545/14	GL Smaltati e 3					Conforme According Conforme Entspricht Conform **Соответствует**
Indicazione di resistenza allo scivolamento Assessment of slip resistance Indication de la résistance au glissement Bestimmung der Trittsicherheit Indicatie voor de slipvastheid **Указание сопротивления скольжению**	DIN 51130	R					R9

D.C.O.F. - B0T3000 = 0.60 Wet *(Natural finish)*

PACKAGING

Pcs/Box	03	Box/Pallet	40
m²/Box	1,0800	m²/Pallet	43,20
Kg/Box	23,40	Kg/Pallet	936,00

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TW-006-A1-CT

Revision 1

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date: **Nov 23, 2022**

Item Name	Wall Tile
Item Type	Porcelain Tile
Description	Porcelain Tile
Manufacturer	Ceramic Technics
Model	Sassuolo Aggregate Stone
Dimensions	12" x 24"
Color	White
Finish	Natural
Material Composition	Porcelain
CSI #	093000 - Tiling
Omniclass #	22-093000 - Tiling
Part of an Assembly	N
Recommended Grout	Refer to Design Guideline Drawings for Grout mark number.
Finish	Natural
Product/Color	Sassuolo Aggregate Stone White
Notes	Alternate tile specification to large format tile at public restroom wainscot. Running Bond Pattern.

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Ceramic Technics
Contact Name: Mary Beth Tallant
Phone: (770) 891-0684
Email: mtallant@ceramictechnics.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms

TW-006-A1-CT

ceramic technics ltd

SASSUOLO

AGGREGATE STONE

SASSUOLO AGGREGATE STONE

TW-006-A1-CT

TW-006-A1-CT

FLOOR
WHITE Natural 48"x48" Rectified

BACK WALL
WHITE Natural 24"x48" Rectified

RIGHT WALL
WHITE Storm 24"x48" Rectified

TW-006-A1-CT

WHITE Natural 24"x48" Rectified

TW-006-A1-CT

WALL
WHITE Storm 24"x48" Rectified

FLOOR
WHITE Natural 48"x48" Rectified

TW-006-A1-CT

FLOOR
ECRU Natural 24"x24" Rectified

WALL
ECRU Storm 24"x48" Rectified

ECRU Storm 12"x24" Rectified

TW-006-A1-CT

ECRU Natural 24"x24" Rectified

TW-006-A1-CT

FLOOR
GREY Natural 48"x48" Rectified

BACK WALL
GREY Storm 24"x48" Rectified

WALL
GREY Natural 24"x24" Rectified

TW-006-A1-CT

FLOOR
GREY Structured 36"x36" Rectified **2CM**

MIDDLE WALL
GREY Trama 24"x24" Rectified

LEFT/RIGHT WALL
GREY Natural 24"x48" Rectified

GREY Trama 24"x24" Rectified

TW-006-A1-CT

GREY Structured 36"x36" Rectified **2CM**

FLOOR
DARK Natural 48"x48" Rectified

BACK WALL
GREY Storm 24"x48" Rectified

RIGHT WALL
DARK Natural 24"x48" Rectified

DARK Natural 24"x48" Rectified

TW-006-A1-CT

WALL
GREY Storm 24"x48" Rectifed

SASSUOLO **AGGREGATE STONE**

TW-006-A1-CT

COLOR AVAILABILITY

WHITE

ECRU

GREY

DARK

Rectified Full-Body Porcelain

Shade Variation V3

TW-006-A1-CT

SASSUOLO **AGGREGATE STONE**

SIZE AVAILABILITY

48"x96" Rectified
Thickness: 9mm
Finish: Natural
*Available in: **White**, **Grey**, and **Dark**.*

48"x48" Rectified
Thickness: 9mm
Finish: Natural
*Available in: **White**, **Grey**, and **Dark**.*

24"x48" Rectified
Thickness: 9.5mm
Finish: Natural
Available in all colors

24"x24" Rectified
Thickness: 9mm
Finish: Natural/Satin
Available in all colors

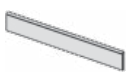
12"x24" Rectified
Thickness: 9mm
Finish: Natural/Satin
Available in all colors

2CM PAVERS

36"x36" Rectified
Thickness: 20mm
Finish: Structured
*Available in: **White**, **Grey**, and **Dark**.*

24"x24" Rectified
Thickness: 20mm
Finish: Structured
*Available in: **White**, **Grey**, and **Dark**.*

SPECIAL PIECES



Bullnose 3"x24" Rectified
Thickness: 9mm - Finish: Natural/Satin
Available in all colors

Step 1.625”x13”x48” Rectified
Thickness: 9mm - Finish: Natural
Available in all colors

Step Corner SX/DX 1.625”x13”x48” Rectified
Thickness: 9mm - Finish: Natural
Available in all colors

SASSUOLO **AGGREGATE STONE**

TW-006-A1-CT

DECORS

Storm 24"x48" Rectified

Thickness: 9.5mm - Finish: Embossed Out

WHITE

ECRU

GREY

DARK

Storm 12"x24" Rectified

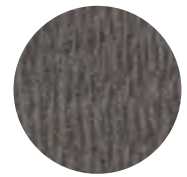
Thickness: 9mm - Finish: Embossed Out

WHITE

ECRU

GREY

DARK



Trama 24"x24" Rectified

Thickness: 9mm - Finish: Trama Out

WHITE

ECRU

GREY

DARK

Rectified Full-Body Porcelain

Shade Variation V3

SASSUOLO **AGGREGATE STONE**

DECORS

Mosaic 12"x12" Sheet (2"x2" Pcs)

Finish: Natural/Satin

WHITE

ECRU

GREY

DARK

Liner 0.5"x48"

BRONZE STICK

TECHNICAL FEATURES RECTIFIED FULL-BODY PORCELAIN

TECHNICAL FEATURES	TEST METHOD	REQUIRED VALUE	RESULT				
			NATURAL R10	SATIN R9	EMBOSSED OUT R11	TRAMA OUT R11	STRUCTURED R11 2CM
D.C.O.F.	ANSI A 137.1: 2012	≥ 0.42 Wet	0.67 Wet	0.48 Wet	> 0.42 Wet	0.79 Wet	0.77 Wet

The color of the tiles printed in this catalog may differ from actual tiles. Tile color reproductions in this brochure are representative only. Slight tone and shade variations are inherent in porcelain tiles. We recommend that you contact a CTL representative before selecting a color.

Ceramic Technics Ltd.
1298 Old Alpharetta Road | Alpharetta, GA 30005
Phone: (770) 740-0050 | Fax: (770) 740-1199 | www.ceramictechnics.com

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Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TW-006-CT

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Wall Tile
Item Type	Porcelain Tile
Description	Large Format Porcelain Tile
Manufacturer	Ceramic Technics
Model	Firenze Slimstone Cement Designs
Dimensions	39" x 118" x 5.5 mm
Color	T-Snow
Finish	Plaster
Material Composition	Porcelain
CSI #	093000 - Tiling
Omniclass #	22-093000 - Tiling
Part of an Assembly	N
Recommended Grout	Refer to Design Guideline Drawings for Grout mark number.
Finish	Plaster
Product/Color	Firenze Slimstone Cement Designs_T-Snow

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Ceramic Technics
Contact Name: Mary Beth Tallant
Phone: (770) 891-0684
Email: mtallant@ceramictechnics.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TW-007-CT

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Wall Tile
Item Type	Porcelain Tile
Description	Porcelain Wall Tile
Manufacturer	Ceramic Technics
Model	Sassuolo Urban Brick
Dimensions	3" x 12" x 8.5mm thick
Color	Bianco; Style: Sticks
Finish	Matte
Material Composition	Porcelain
CSI #	093000 - Tiling
Omniclass #	22-093000 - Tiling
Recommended Grout	Refer to Design Guideline Drawings for Grout mark number.
Notes	Installation: Horizontal Stack Bond

SPECIAL INSTRUCTIONS
https://ceramictechnics.com/product/sassuolo-urban-brick/

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AREAS

Indoor Pool

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TW-008-CT

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Wall Tile
Item Type	Wall Tile
Description	Porcelain Wall Tile
Manufacturer	Ceramic Technics
Model	Firenze Slimstone Cement Designs
Dimensions	5.5 mm Thick
Color	T-Ground
Finish	Plaster
Material Composition	Porcelain
CSI #	093000 - Tiling
Omniclass #	22 - 093000 - Tiling
Recommended Grout	Refer to Design Guideline Drawings for Grout mark number.
Finish	Plaster
Product/Color	Firenze Slimstone Cement Designs/T-Ground

IMAGE NOT AVAILABLE

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Email: morgan.stephenson@daltile.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TW-008-DA

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Wall TIle
Item Type	Porcelain Wall Tile
Description	Porcelain Wall Tile
Manufacturer	Daltile
Model	Panoramic Industrial Porcelain
Dimensions	63" x 126" x 6mm thick
Color	Charred Nickel CM16
Finish	Matte
Material Composition	Glazed Porcelain
CSI #	093000 - Tiling
Omniclass #	22 - 093000 - Tiling
Part of an Assembly	N
Recommended Grout	Refer to Design Guideline Drawings for Grout mark number.
Coefficient of Friction	N/A
Finish	Matte
Product/Color	Panoramic Industrial Porcelain CM16
Warranty	N/A

SPECIAL INSTRUCTIONS

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Vendor Name: Daltile
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ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms

SLAB

TW-008-DA

PANORAMIC

porcelain surfaces™

ELEMENTAL SELECTION | INDUSTRIAL SELECTION | METALLIC SELECTION

daltile®

IMAGINE WHAT'S POSSIBLE™

TW-008-DA

INTRODUCING SURFACES
LIKE YOU'VE NEVER SEEN THEM BEFORE.

Panoramic Porcelain Surfaces™ features porcelain that performs and design that delivers for your walls, floors and countertops. This collection offers breathtaking views, stunning visuals and seamless design with no boundaries.

THE POSSIBILITIES: **LIMITLESS**

With Panoramic Porcelain Surfaces™, you have a unique opportunity to let your imagination run wild.

If you've ever dreamt of using limestone slab in places limestone should never be used, Panoramic can help you make those dreams come true. Or, if you've ever wished you could bathe a room in marble, now you can create that look at a fraction of the cost.

SLAB

USAGE

- FLOOR
- WALL
- COUNTERTOP
- SHOWER FLOOR
- EXTERIOR*

SPECIAL FEATURES

- STEPWISE™
- TRU-EDGE™
- MADE IN THE U.S.A.
- LARGE FORMAT
- MOSAIC/ DECO
- ENCAUSTIC
- TERRAZZO
- PAVER
- CUSTOMIZE
- FLEXFIT™

P PORCELAIN

$ LOW HIGH

SEE CHARTS FOR FULL PRODUCT DETAILS

* EXCLUDES EXTERIOR FLOOR

SLIP RESISTANT | WATERPROOF | STAINPROOF | DENTPROOF | SCRATCH-RESISTANT | FIRE-RESISTANT | CLIMATEPRO™ | SIMPLICLEAN™

VISIT THE WHY TILE PAGE AT WWW.DALTILE.COM FOR A COMPLETE LIST OF QUALIFICATIONS AND EXCLUSIONS.

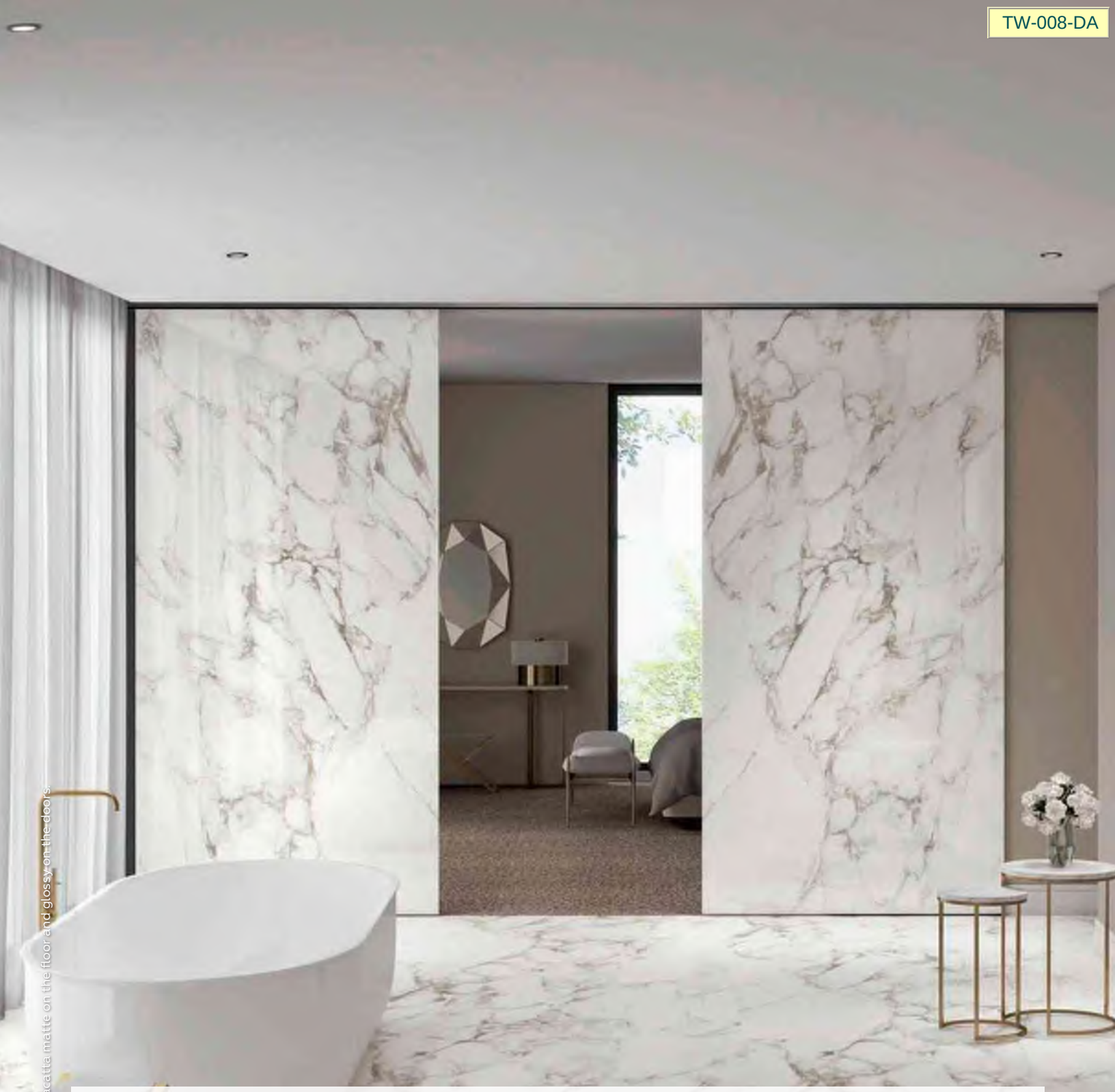


Photo features Elemental Selection Gypsum Calacatta matte on the floor and glossy on the doors.

	RESISTANCE								
	PRICE	STYLE	CHIPS	HEAT	STAIN	SCRATCHES	SEALING REQUIRED	MAINTENANCE	PROS
PANORAMIC PORCELAIN SURFACES™	$$	•••	••	•••	•••	•••	NO	NO	Large size for fewer seams; lighter than other slab materials Great for indoor or outdoor installation Virtually maintenance-free Works on walls, floors & countertops – even outdoors

••• EXCELLENT
•• GOOD
• FAIR

SET THE STAGE FOR LUXURY

ELEMENTAL **SELECTION**

Elevate the ambiance of virtually any space with the sophisticated marble looks within Elemental Selection.

Create drama with striking vein patterns, or infuse tranquility with subtle marbling designs. Large format slabs create fewer grout lines for a more seamless appearance in both glossy and matte finishes. By combining the look of natural stone with the value and ease of porcelain, Elemental Selection reinvents classic décor.

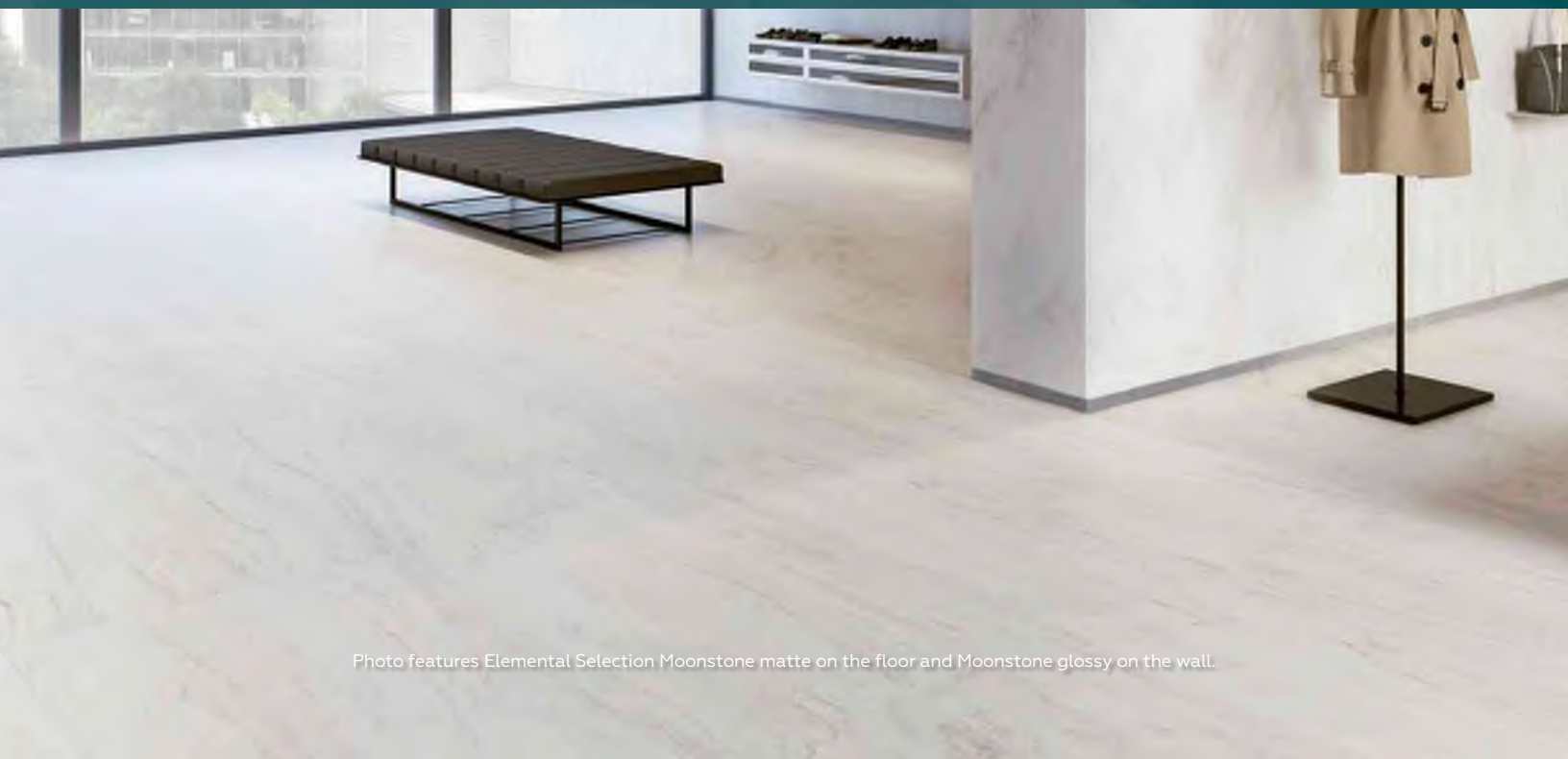


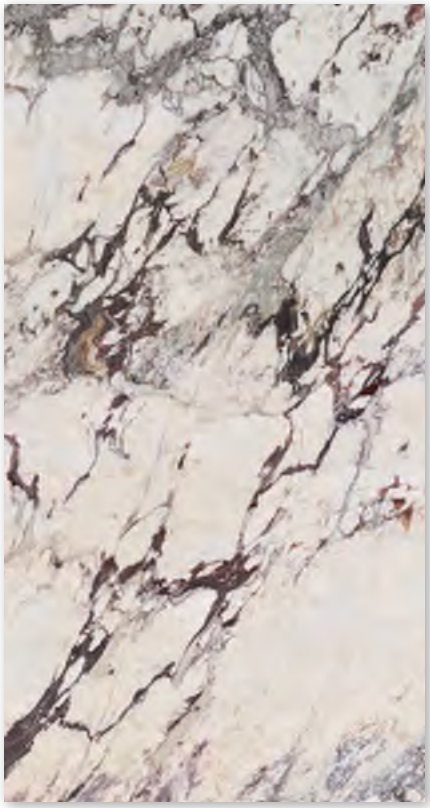
Photo features Elemental Selection Moonstone matte on the floor and Moonstone glossy on the wall.

Photo features Elemental Selection Calacatta Aries matte on the floor and Calacatta Aries glossy on the wall.

PANORAMIC
porcelain surfaces™

ELEMENTAL SELECTION
(Available in matte and glossy finishes)

NEW! GYPSUM CALACATTA CM22



NEW! CALACATTA ARIES CM21*

DIAMOND MINE CM12

MOONSTONE CM11

TITANIUM GREY CM13

ONYX GALAXY CM14

* 6 mm - Available in matte finish only

PANORAMIC
porcelain surfaces™

ELEMENTAL SELECTION
(Available in matte and glossy finishes)

STATUARIO CM03

CALACATTA CM04

MARFIL CM06

BLANC CM05*

* Available in matte finish only

INSPIRING RUGGED ELEGANCE

INDUSTRIAL **SELECTION**

Capture a sense of strength and character with Industrial Selection.

Bring the urban chic feel of a downtown gallery or loft to virtually any space with the look of sleek concrete. Large format slabs provide seamless style to more closely mimic the essence of poured concrete while the smooth, matte finish adds a touch of sophistication. Infuse your space with the robust, stoic presence of concrete while enjoying the versatility of porcelain tile with Industrial Selection.

Photo features Industrial Selection Cinder Rail matte on the floor and wall.

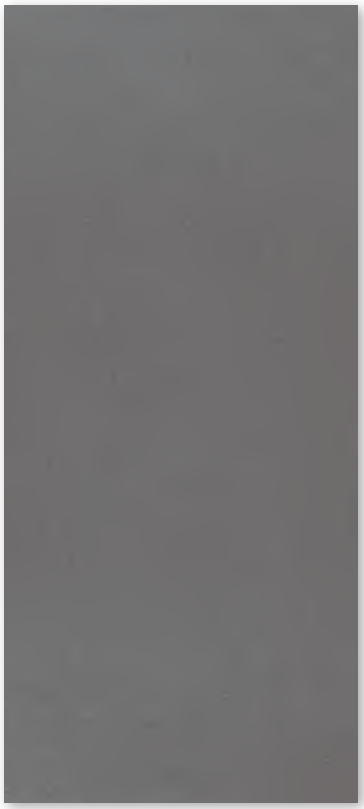
PANORAMIC
porcelain surfaces™

INDUSTRIAL SELECTION
(Available in matte finish only)

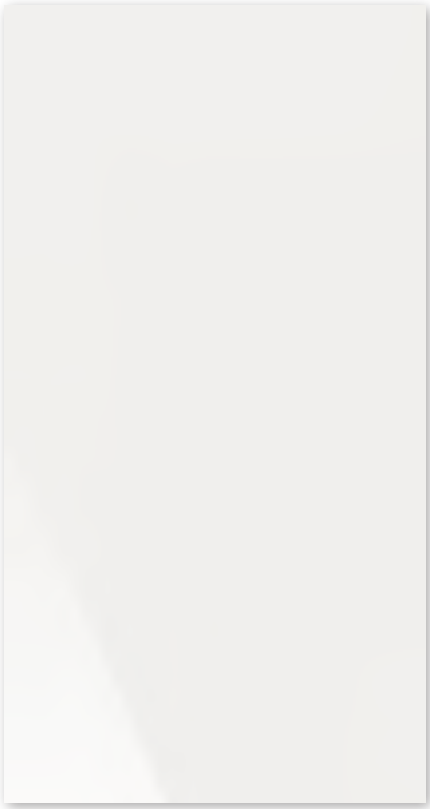
BELMONT TERRACE CM07

VICKERY TAUPE CM10

STONEWALL COAL CM09



HEARTH SMOKE CM08



MANOR WHITE CM18*

CINDER RAIL CM17

CHARRED NICKEL CM16

* Available in glossy & matte finishes

TW-008-DA

UNREFINED URBAN GLAMOUR

METALLIC SELECTION

Dazzle with the glitz and glam of the Metallic Selection.

Dripping with design and opulence, the reflective, iridescent metallic sheen encompassed on these sleek slabs takes fashion to new heights. The unrefined essence of concrete enhanced with mixed metals is provided on a scale only large format porcelain slabs can reach. Experience glimmering style with Metallic Selection.

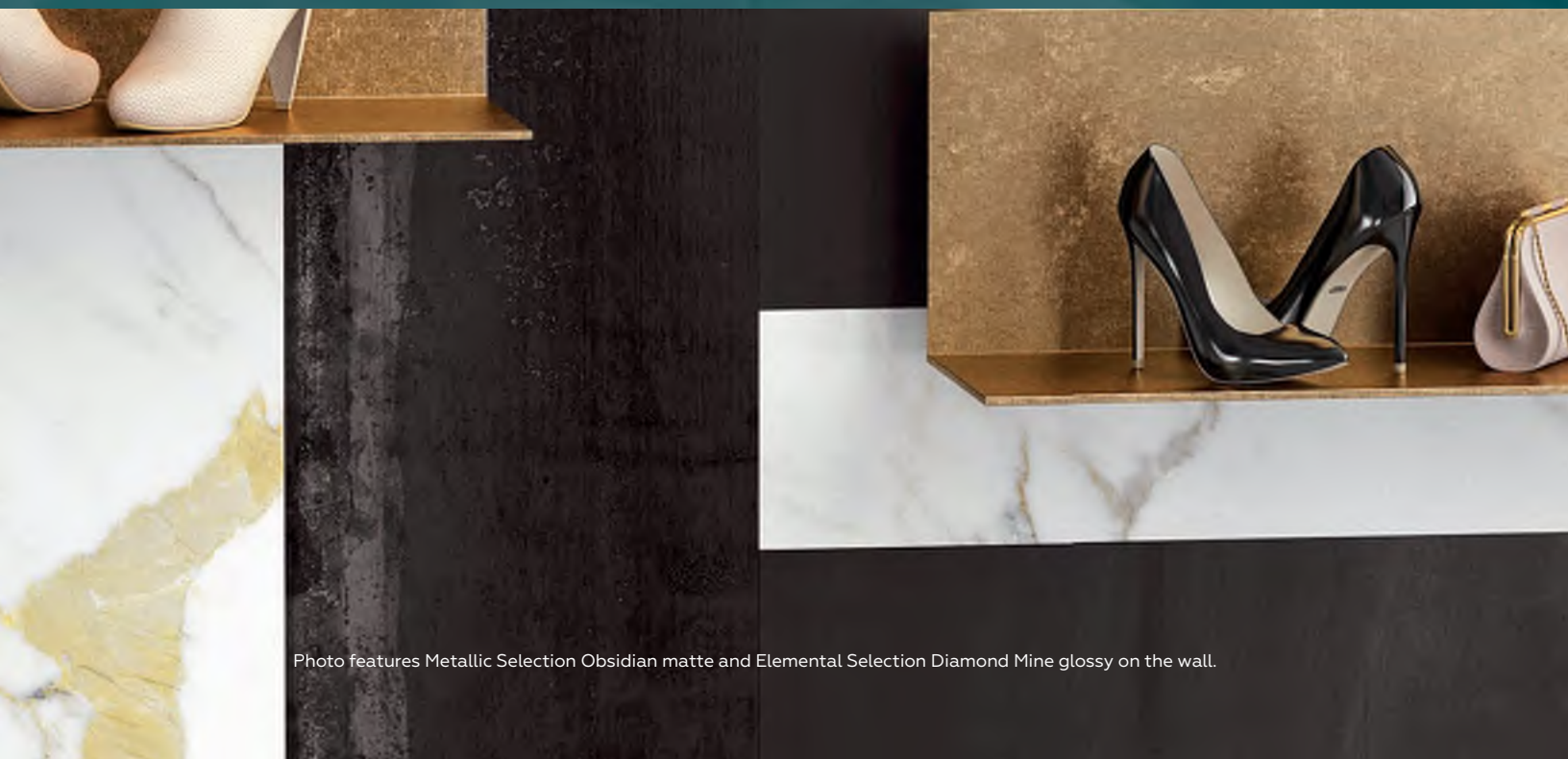


Photo features Metallic Selection Obsidian matte and Elemental Selection Diamond Mine glossy on the wall.

PANORAMIC
porcelain surfaces™

METALLIC SELECTION
(Available in matte finish only)

NEW! CHROMIUM CM19

NEW! OBSIDIAN CM20

TW-008-DA

Photo features Elemental Selection Onyx Galaxy glossy on the wall and Moonstone matte on the floor.

PANORAMIC
porcelain surfaces™

FLOOR | WALL | COUNTERTOPS

SIZES

Nominal Size	Actual Size	Thickness	Sq. Ft./ Slab
63" x 126" Slab	62-7/8" x 125-3/4"	1/4" (6 mm)	55.00
64" x 127" Slab	62-7/8" x 125-3/4"	1/2" (12 mm)*	56.00

FLEXFIT™ SIZE SOLUTIONS

Standard Stocked Sizes+	Actual Size	Thickness
63" x 63"	62" x 62"	6 mm or 12 mm*
31.50" x 126"	31" x 124"	6 mm or 12 mm*
31.50" x 63"	31" x 62"	6 mm or 12 mm*
15.75" x 63"	15-1/2" x 62"	6 mm or 12 mm*
31.50" x 31.50"	31" x 31"	6 mm or 12 mm*
15.75" x 31.50"	15-1/2" x 31"	6 mm or 12 mm*
21" x 21"	20-1/2" x 20-1/2"	6 mm or 12 mm*

PLUS – DREAM IT, DESIGN IT, WE CAN DO IT!
WITH OUR CUSTOM CUT TO SIZE PROGRAM
Request your quick quote: **customquote@daltile.com**
+ Please allow 1-2 weeks for processing & shipping FlexFit™ standard sizes.
* 12mm available for Calacatta Aries, Gypsum Calacatta, Diamond Mine, Moonstone, Statuario, Calacatta, Marfil and Manor White only

APPLICATIONS

	Target DCOF wet	Suitable
Dry & Level – Interior Floor	N/A	✓
Wet & Level – Interior Floor	≥ 0.42	✓*
Shower Floors (Residential or Light Commercial)	≥ 0.42	
Exterior Floor Applications (including pool decking & other wet areas with minimal footwear)	≥ 0.60	
Ramps & Inclines	≥ 0.65	
Walls/Backsplashes	N/A	✓
Countertops	N/A	✓
Pool Linings	N/A	

A DCOF value of ≥ 0.42 is the standard for tiles specified for level interior spaces expected to be walked upon when wet, as stated in ANSI A137.1-2012, Section 9.6. For more information about DCOF and the DCOF AcuTest™, visit daltile.com/DCOF.

APPLICATION NOTES:

Suitable for exterior applications in freezing and non-freezing climates, when proper installation methods are followed.

* Matte finish only.

INSTALLATION

Grout Joint Recommendation	Shade Variation
1/8"	**Medium (V2):** Industrial Selection, Metallic Selection **High (V3):** Elemental Selection

NOTES

Special consideration must be given when installing tiles greater than 15 inches. Please refer to ANSI A108.19 standards for Gauged Porcelain Slabs for more information.

Use of an LFT (Large Format Tile) mortar is required. Thin-set mortars are not suitable for Panoramic Porcelain Surfaces.

Since there are variations in all fired ceramic products, tile and trim supplied for your particular installation may not match these samples. Final color selection should be made from actual panels
and trim and not from product samples or color reproductions.

Water, oil, grease, etc. create slippery conditions. Floor applications with exposure to these conditions require extra caution in product selection. Not for use on ramps.

WARNING: This product can expose you to chemicals known to the State of California to cause cancer, including crystalline Silica (airborne particles of respirable size) in dust created if the product is dry cut/ground/polished or pulverized during fabrication/installation/removal. For more information, go to www.P65Warnings.ca.gov.

For additional information refer to "Factors to Consider" at daltile.com/Factors.

SLAB FACE – BOOK MATCHED APPLICATION

ELEMENTAL SELECTION SKU'S – 12 MM ONLY

STATUARIO CM03

CALACATTA CM04

DIAMOND MINE CM12

GYPSUM CALACATTA CM22*

CALACATTA ARIES CM21*

* Book matched faces also offered in 6mm Calacatta Aries and Gypsum Calacatta slabs.

Cover photo features Panoramic Porcelain Surfaces™ Elemental Selection Gypsum Calacatta matte on the floor and Gypsum Calacatta glossy on the doors.

Inside back cover photo features Industrial Selection Manor White glossy around the fireplace and on the countertop.

Dal-Tile | 7834 C.F. Hawn Freeway
Dallas, Texas 75217 | 1.800.933.TILE

To view the complete collection of Daltile® products and information, visit our website at **daltile.com.**

daltile®
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Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TW-009-CT

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Wall Tile
Item Type	Porcelain Tile
Description	Unglazed Porcelain Tile
Manufacturer	Ceramic Technics
Model	Firenze Surfaces & Forms Leaf
Dimensions	16" x 13.375", Mesh Mounted
Color	Light
Finish	Trimatrecio
Material Composition	Porcelain
CSI #	093000 - Tiling
Omniclass #	22 - 093000 - Tiling
Fire/Smoke Rating	ASTM E84, Class A
Best Practices	Recycled Content 40%
Recommended Grout	Refer to Design Guideline Drawings for Grout mark number.
Coefficient of Friction	Greater Than or Equal to 0.64 Wet (Plaster Finish), Greater Than or Equal to 0.65 Wet (Matter Finish), Greater Than or Equal to 0.56 Wet (Canvas Finish) per ANSI A 137.1-2012
Finish	Trimatrecio
Product/Color	Firenze Surfaces & Forms Leaf/Light

SPECIAL INSTRUCTIONS

MANUFACTURER

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ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms

TW-009-CT

FIRENZE

SURFACES AND FORMS

— PLASTER MATTER CANVAS —

ceramic technics ltd

LIGHT Leaf Trimatrecio 16"x13.375"

FIRENZE | SURFACES
AND | FORMS

ceramic technics ltd

TW-009-CT

An innovative project.
A new look at ceramics.

Firenze Surfaces and Forms is a rich and ambitious project that multiplies sensory impressions. Sight and touch listen to a story that is based on colors and surfaces. Elements naturally combine with one another, breaking the boundaries of conventional classifications. Shapes and materials entertain an intimate dialogue that, without much ado, define the style of every space.

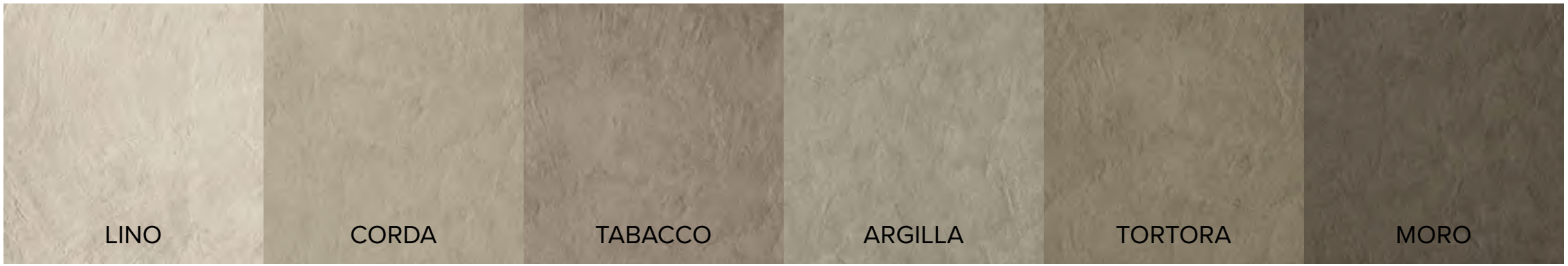
FIRENZE **SURFACES & FORMS**

TW-009-CT

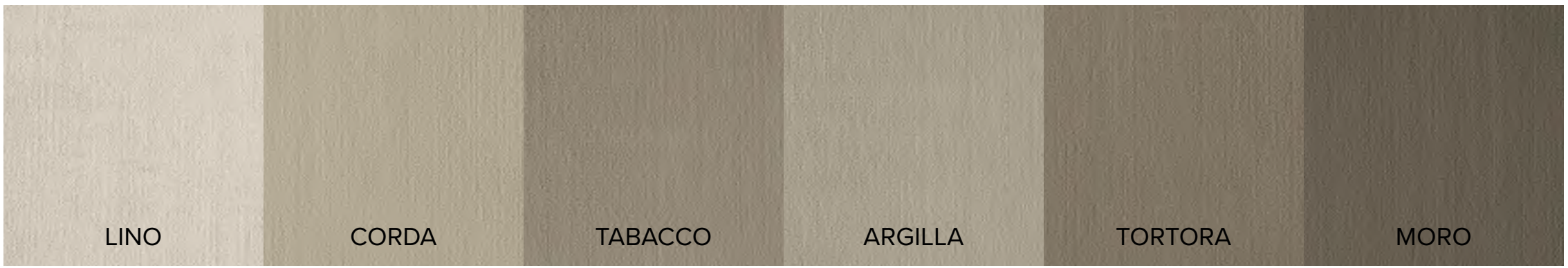
Ceramic Technics Ltd

COLORS

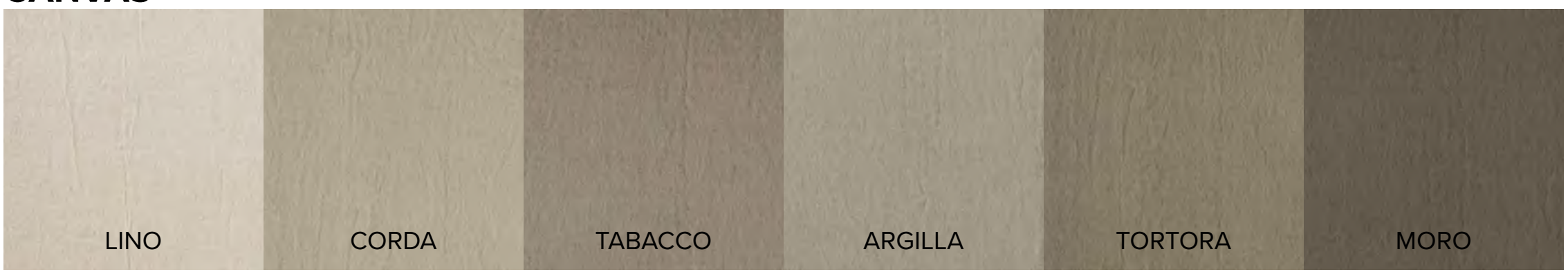
PLASTER



MATTER



CANVAS



FIRENZE **SURFACES & FORMS**

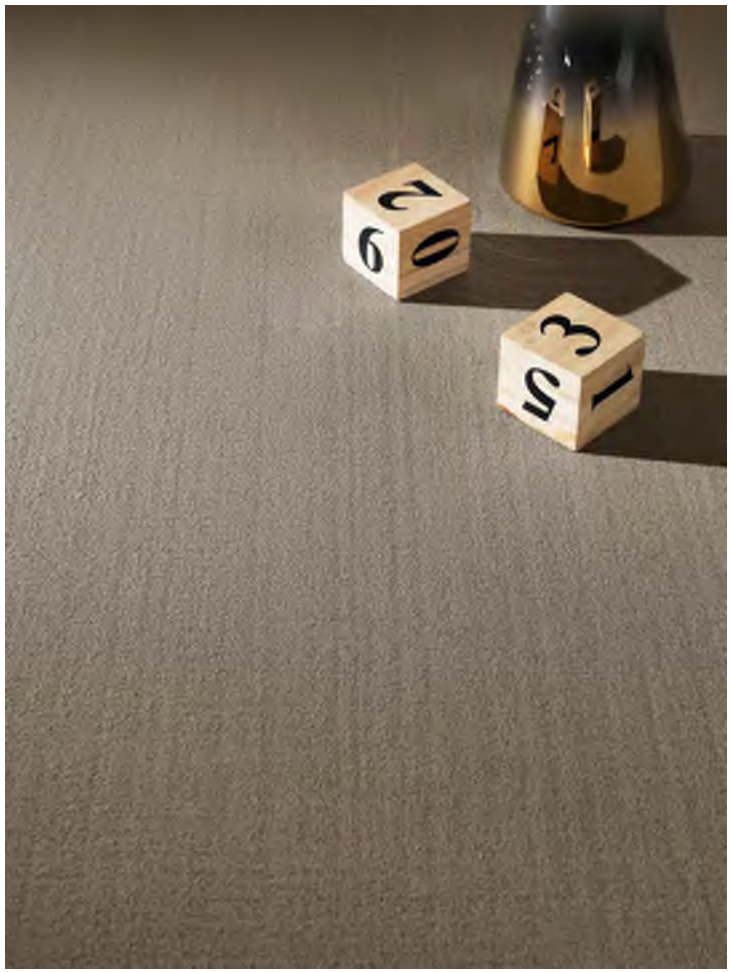
TW-009-CT

Ceramic Technics Ltd

3 SURFACES

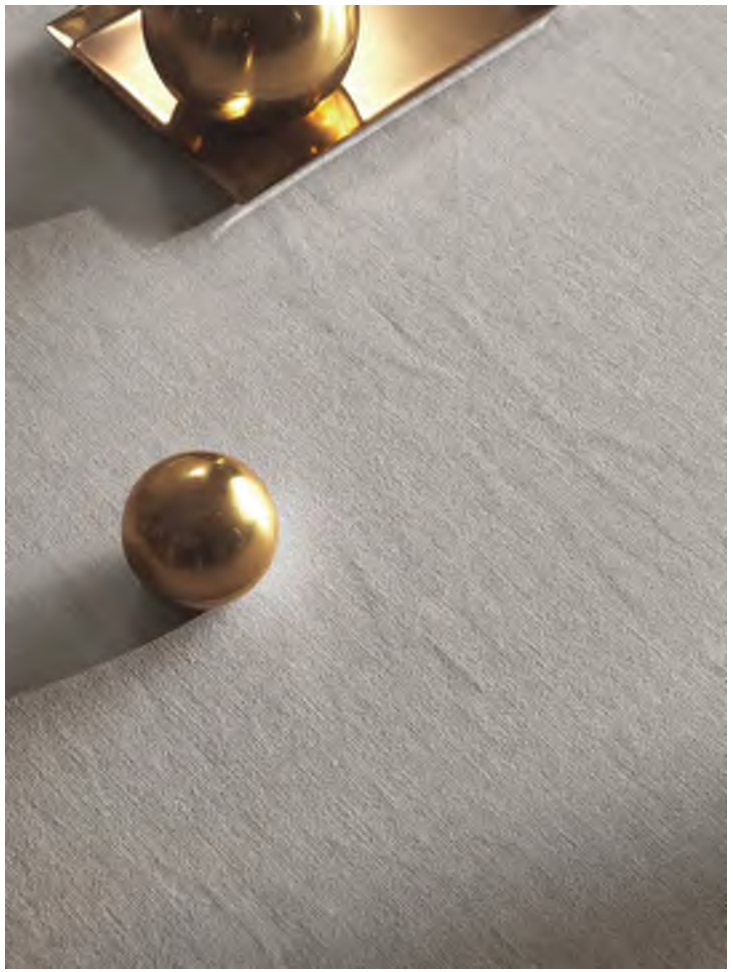
▶ PLASTER

Soft structured surface, with a spatula texture where shiny streaks follow precisely the movement of the spatula. Suitable for elegant and contemporary settings.



▶ MATTER

Provides a grainy, opaque concrete effect, which is rough but easily cleaned. Suitable for outdoor use or post-industrial environments.



▶ CANVAS

Gentle textures combined with delicate graphics. The relief of the linen texture is enhanced by the folds of the canvas in a play of shadows, enhancing its' three-dimensionality. An original effect suitable for environments with a sophisticated and post-modern flavor.

PLASTER

A soft surface that is pleasing to touch.

ARGILLA Plaster 36"x36" Rectified

TW-009-CT

ARGILLA Plaster 36"x36" Rectified

TABACCO Plaster 36"x36" Rectified

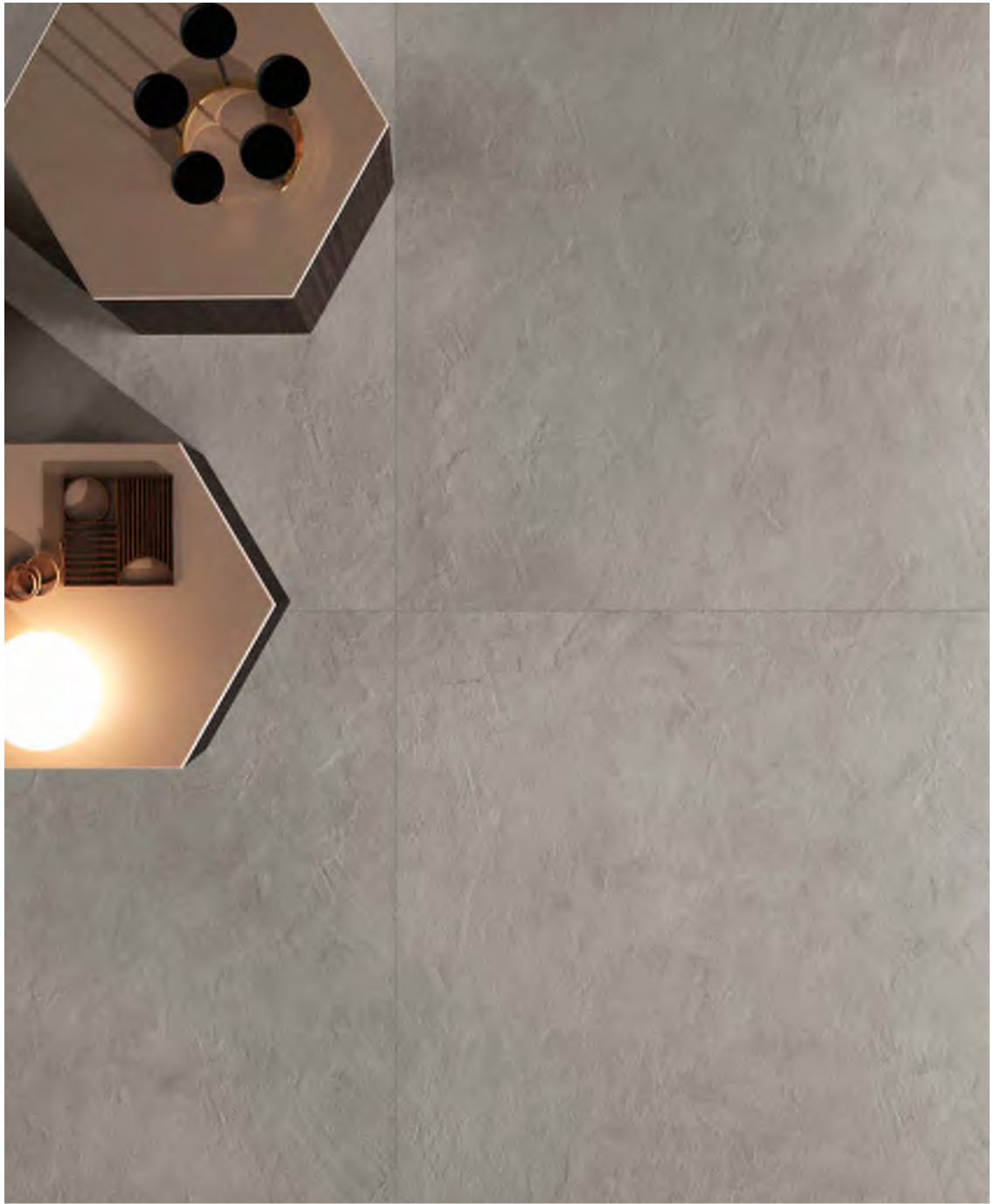
TW-009-CT

TABACCO Plaster 36"x36" Rectified

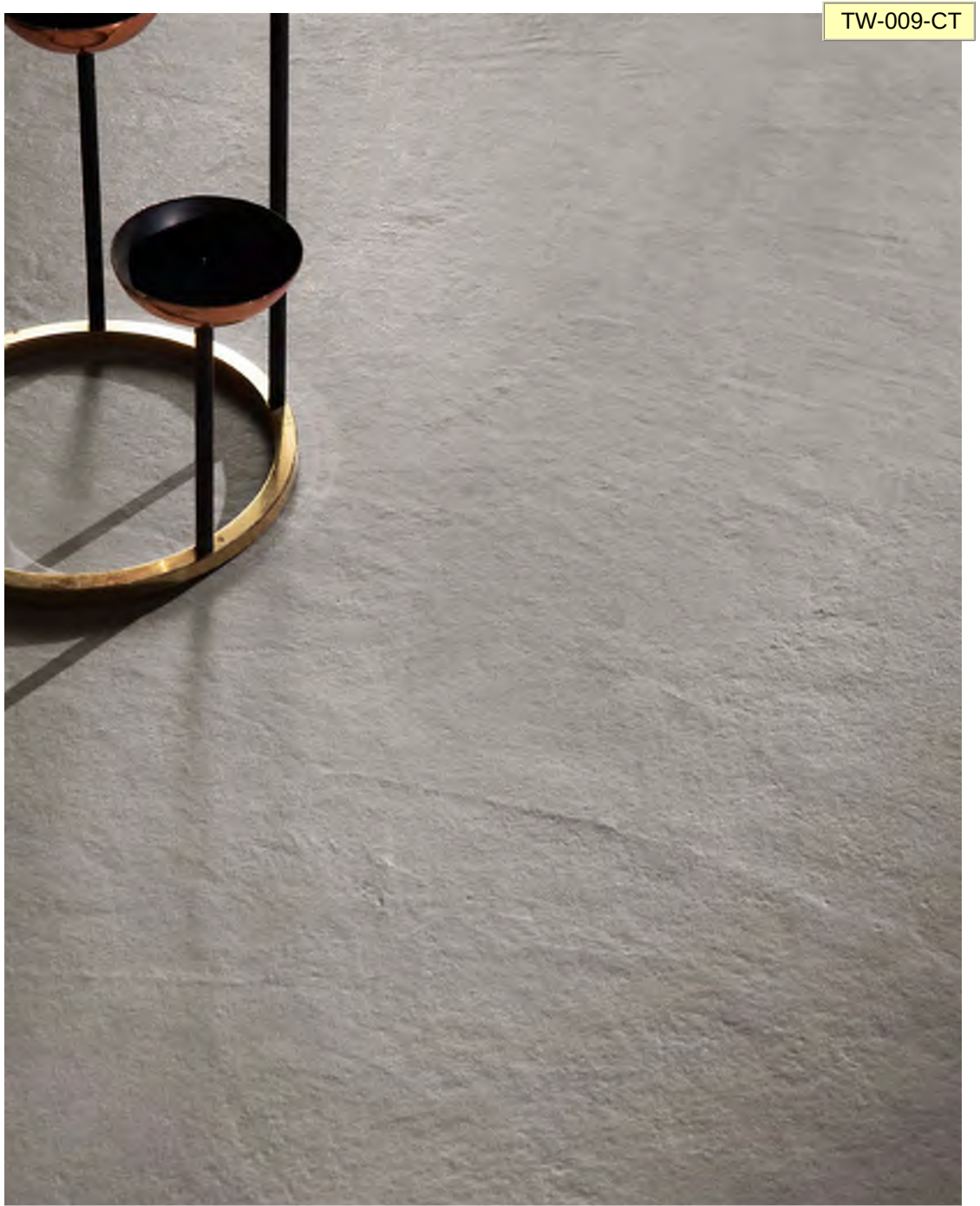
TORTORA Plaster 36"x36" Rectified

TW-009-CT
TORTORA Plaster 36"x36" Rectified

TW-009-CT



LINO Plaster 36"x36" Rectified



LINO Plaster 36"x36" Rectified

MATTER

**An intense tactile flavor,
a strong character.**

CORDA Matter 36"x36" Rectified

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CORDA Matter 36"x36" Rectified

TW-009-CT

ARGILLA Matter 36"x36" Rectified

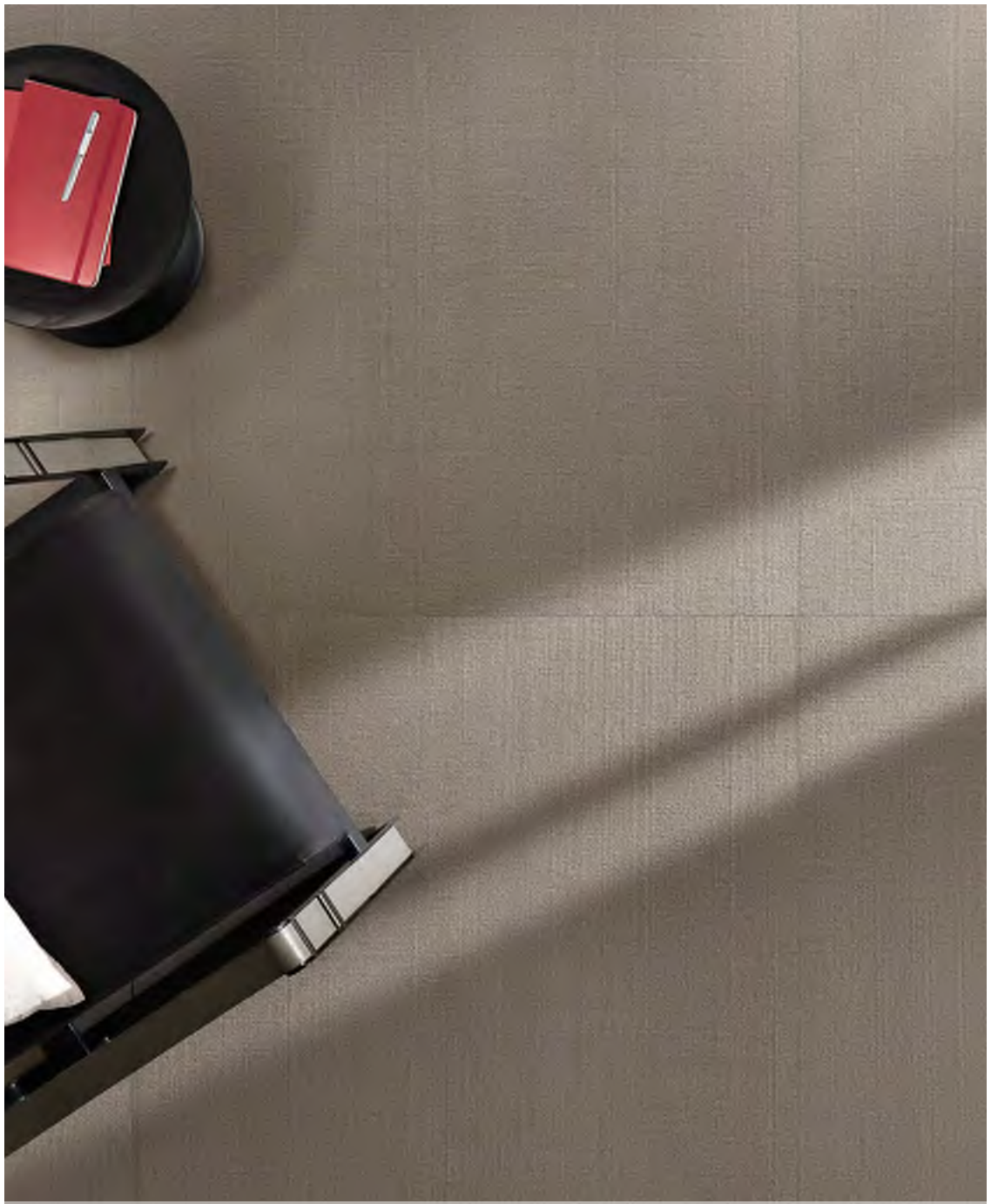
TW-009-CT

ARGILLA Matter 36"x36" Rectified

LINO Matter 36"x36" Rectified

LINO Matter 36"x36" Rectified

TW-009-CT



TORTORA Matter 36"x36" Rectified

TORTORA Matter 36"x36" Rectified

CANVAS

A refined play of shadows that coerces surfaces, that extends itself into space.

LINO Canvas 36"x36" Rectified

LINO Canvas 36"x36" Rectified

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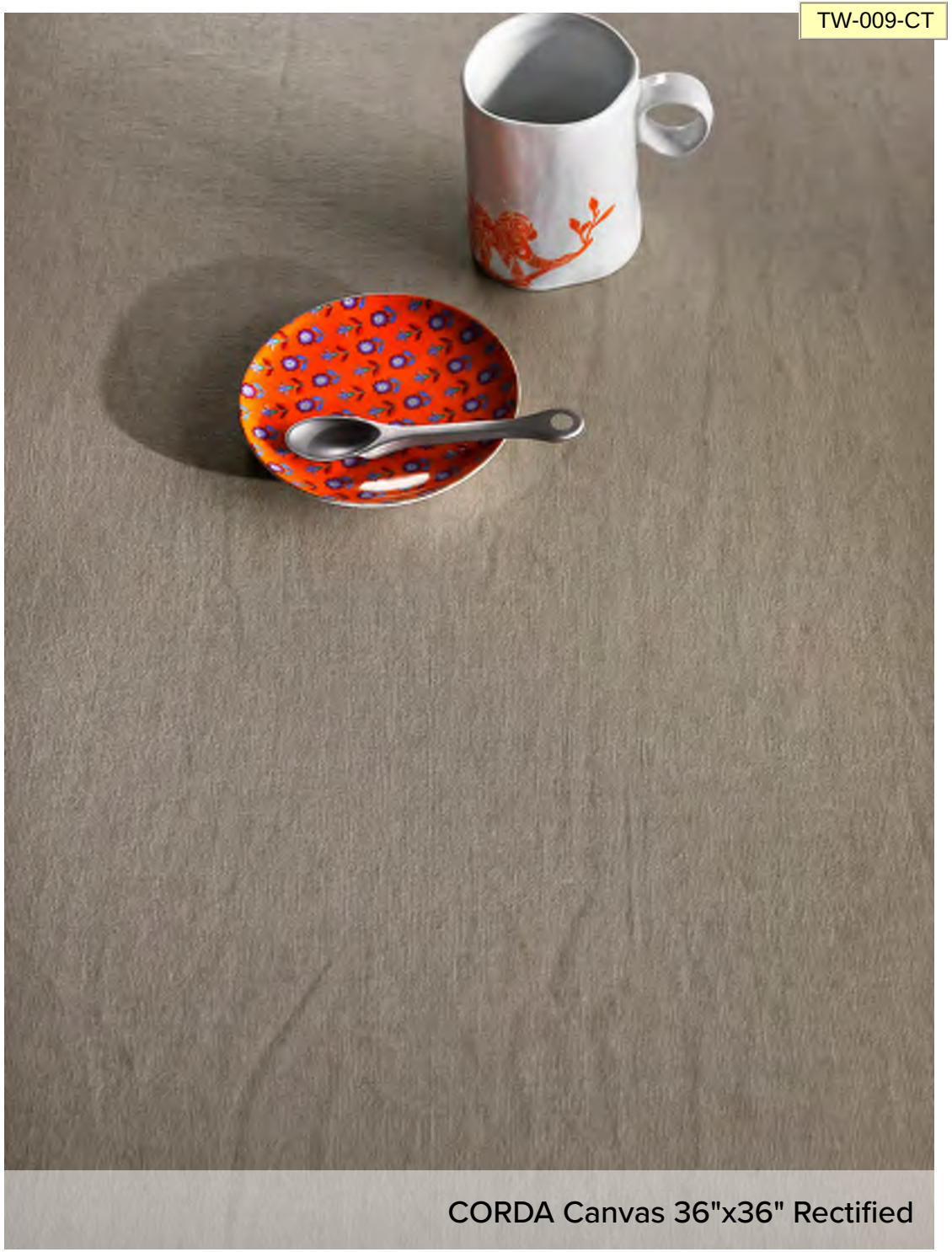
CORDA Canvas 36"x36" Rectified



CORDA Canvas 36"x36" Rectified

MORO Canvas 36"x36" Rectified

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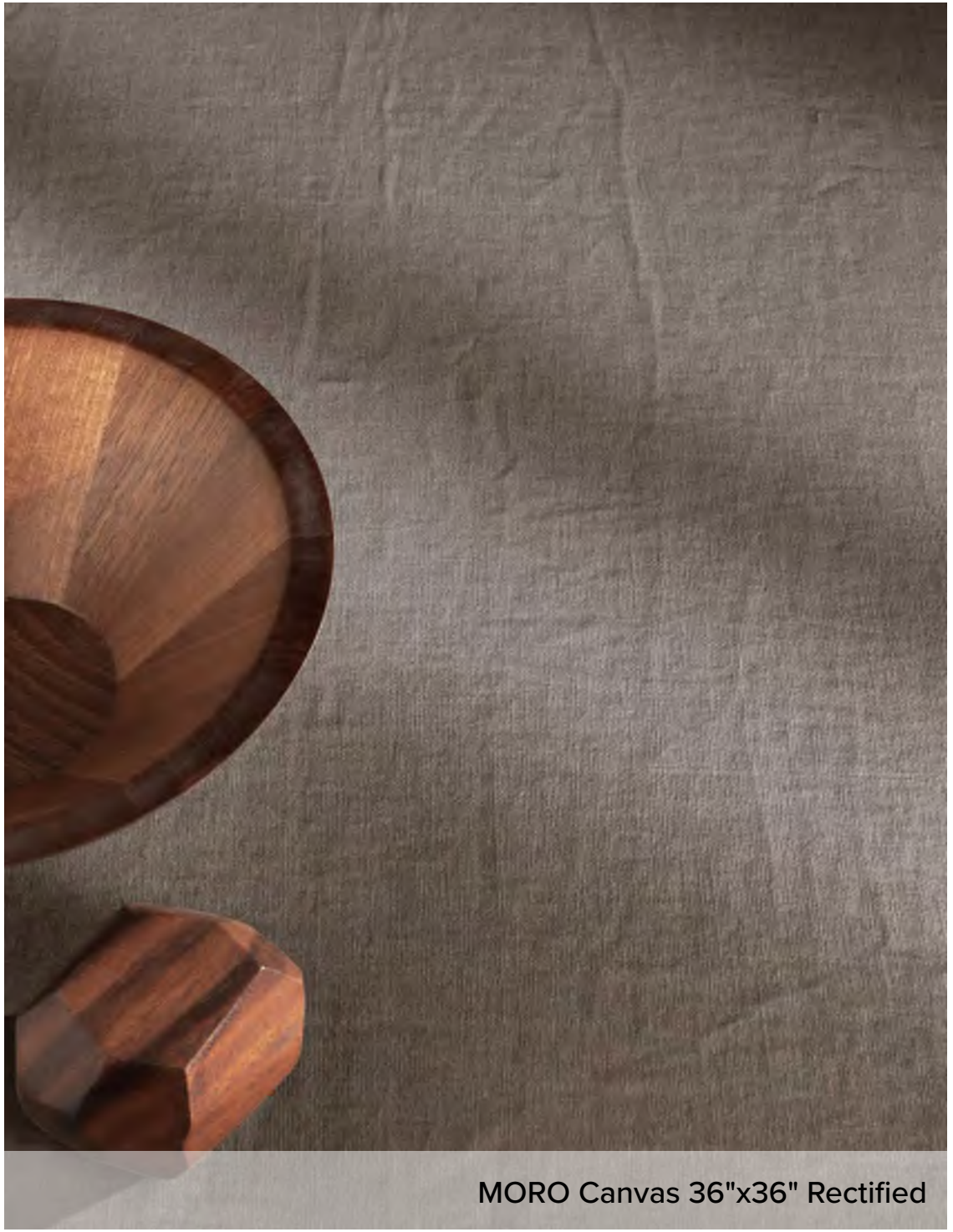
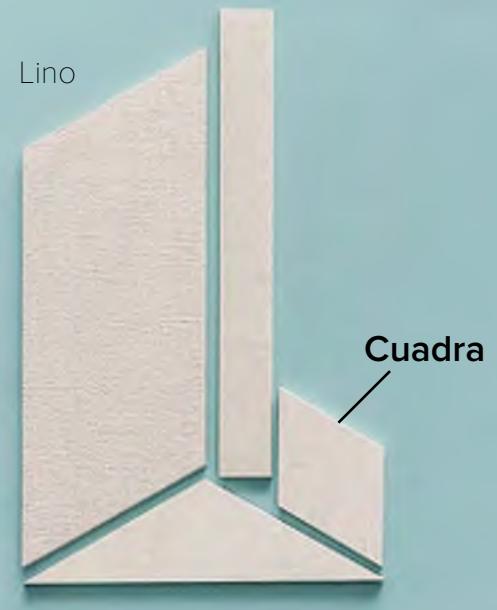


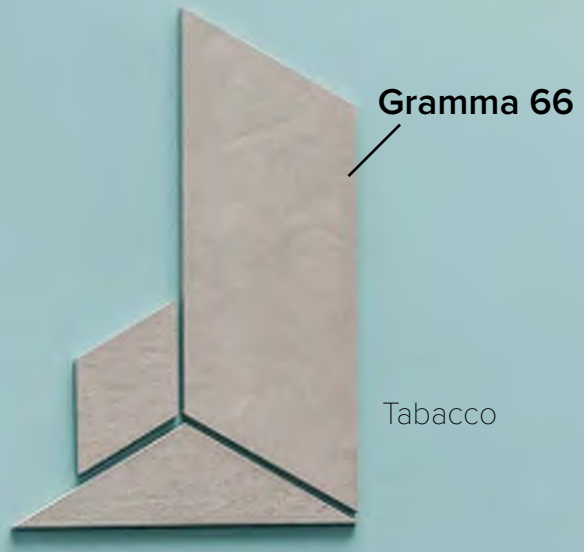
MORO Canvas 36"x36" Rectified

TABACCO Canvas 36"x36" Rectified

TABACCO Canvas 36"x36" Rectified


Lino
Cuadra

Listello
Corda


Gramma 66
Tabacco

Esa
Argilla

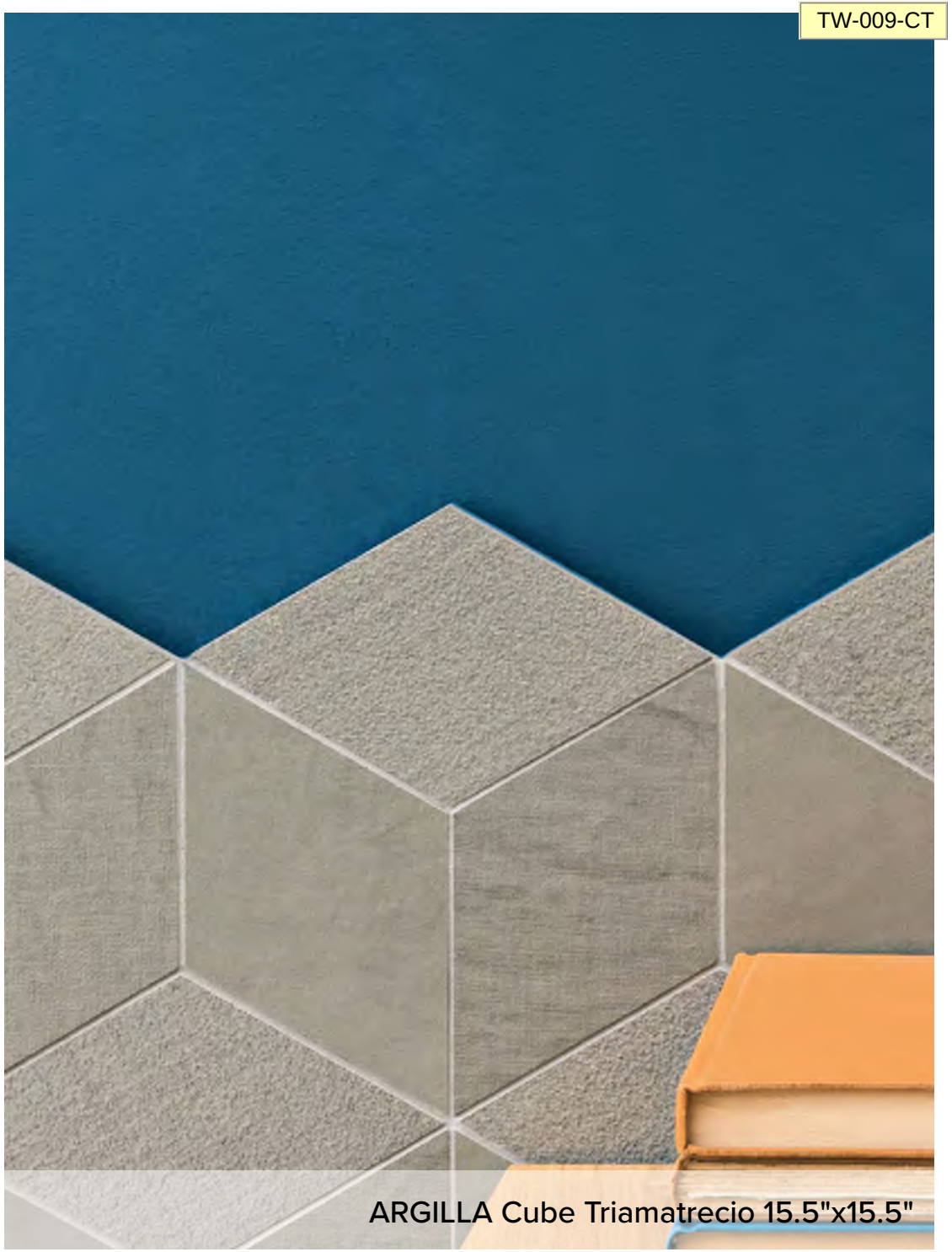
Tortora

Gramma 38
Moro

SHAPES

Floor: ARGILLA Plaster 36"x36" Rectified & 12"x36" Rectified

LINO + MORO Matter Gramma 38 3.75"x15.375" Rectified



ARGILLA Cube Triamatrecio 15.5"x15.5"

Floor: MORO Matter, TORTORA Plaster & ARGILLA Canvas Gramma 66 SX 6.625"x15.375" Rectified

MORO Matter, TORTORA Plaster & ARGILLA Canvas Gramma 66 SX 6.625"x15.375" Rectified

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MORO Matter, TORTORA Plaster & ARGILLA Canvas Gramma 66 SX 6.625"x15.375" Rectified

TORTORA Canvas Arrow 6.625"x15.5"

Floor: TORTORA Canvas 36"x36" Rectified

Wall: MORO Canvas, ARGILLA Plaster & LINO Matter Gramma 66 DX/SX 6.625"x15.375" Rect. + Esa 7.625"x13.375" Rect.

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TORTORA Canvas
Gramma 66 DX/SX 6.625"x15.375" Rect. + Esa 7.625"x13.375" Rect.

TABACCO Plaster & CORDA Canvas Gramma 38 3.75"x15.375" Rectified

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TABACCO Plaster & CORDA Canvas Gramma 38 3.75"x15.375" Rectified

Floor: LINO Matter 12"x36" Rectified - *Wall:* DARK Jewel Trimatrecio 11.75"x13.375"

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Wall: DARK Jewel Trimatrecio 11.75"x13.375"

Floor: LINO Matter 12"x36" Rectified

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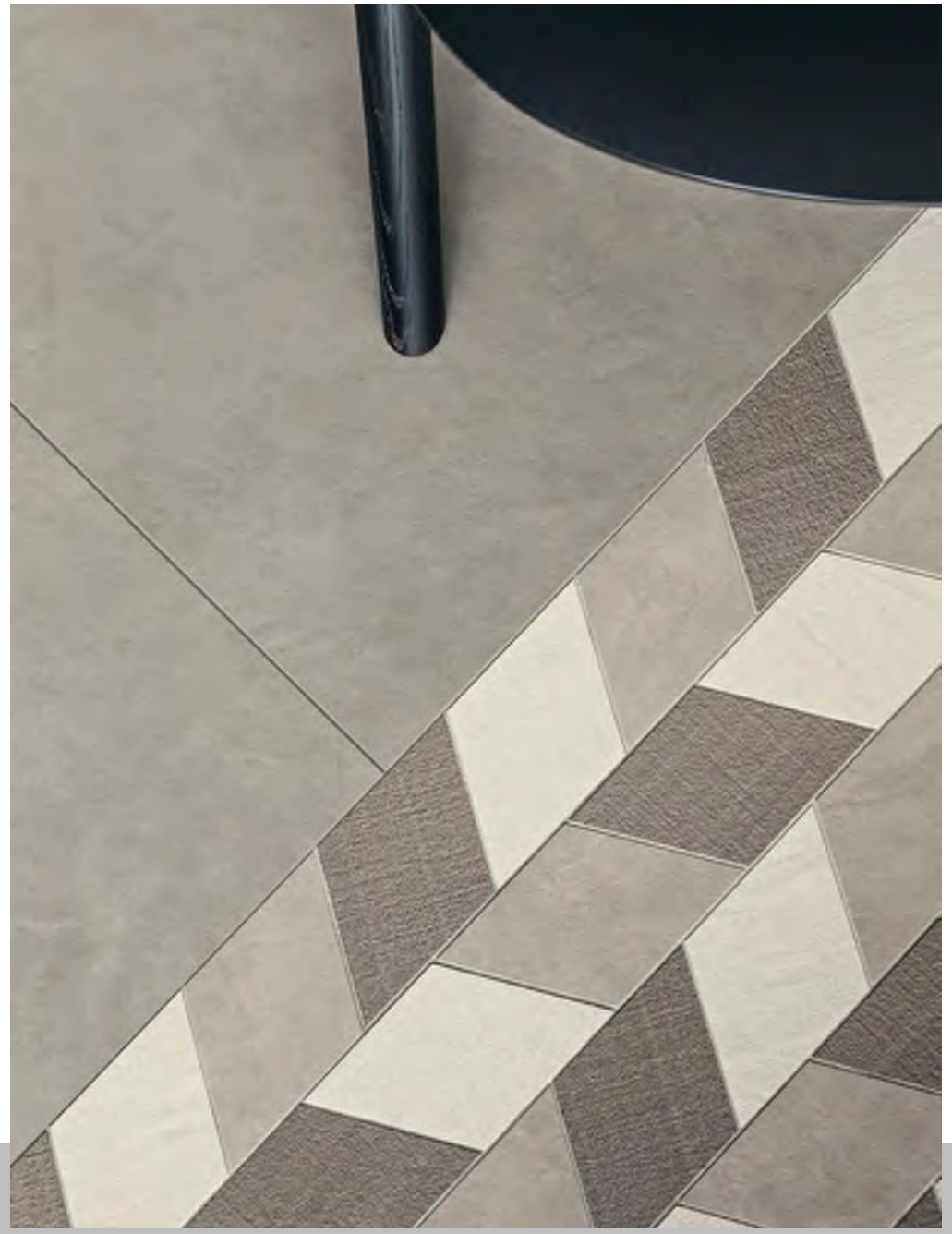
CORDA Matter, TABACCO Plaster & LINO Canvas Listello 2"x18" Rectified



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ARGILLA Plaster 36"x36" Rectified
LIGHT Leaf Trimatrecio 16"x13.375"

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TABACCO Canvas Arrow 6.625"x15.5"

FIRENZE **SURFACES & FORMS**

TW-009-CT

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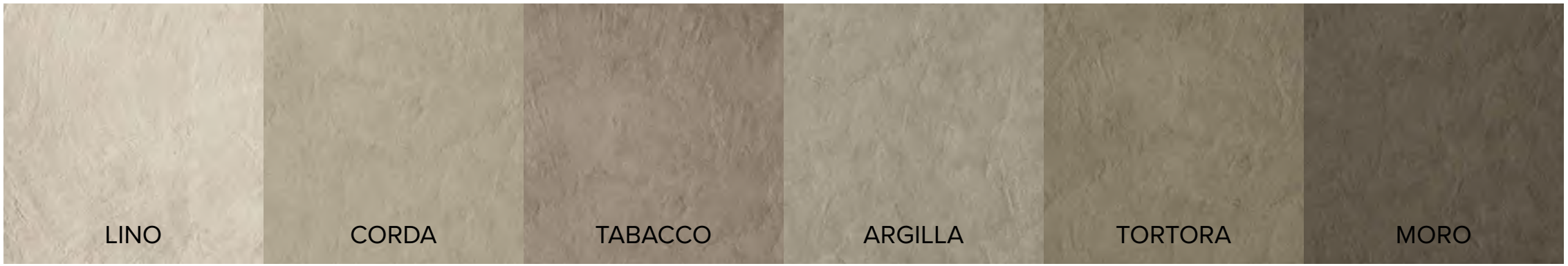
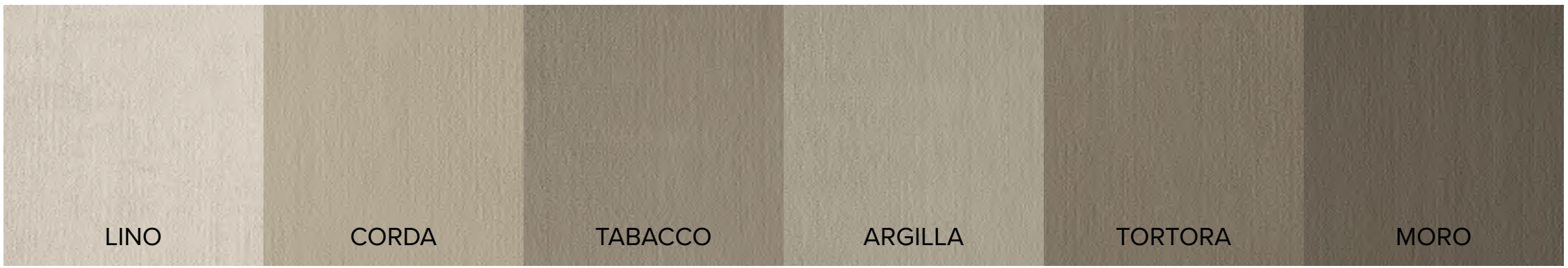
COLOR & SURFACE AVAILABILITY

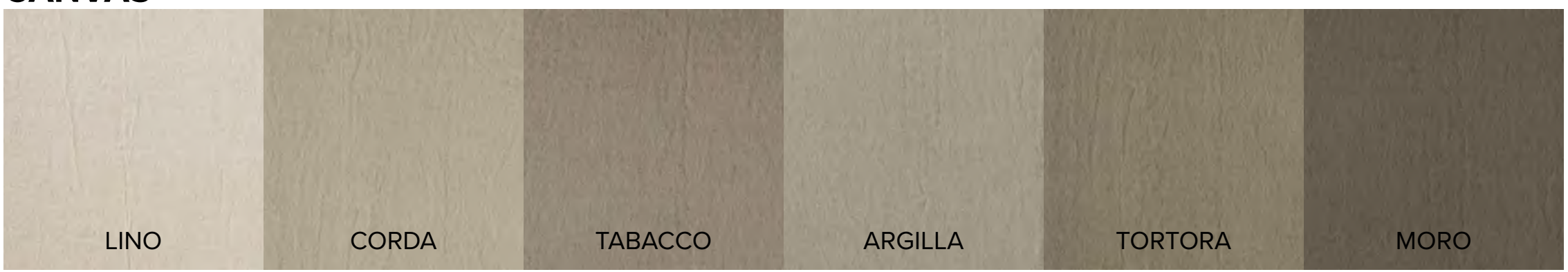
PLASTER



MATTER

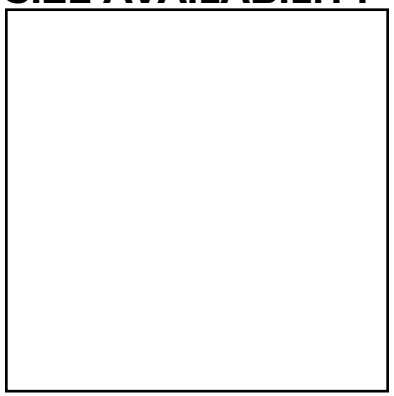


CANVAS



FIRENZE **SURFACES & FORMS**

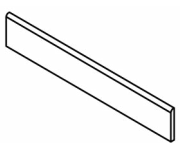
SIZE AVAILABILITY



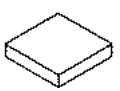
36"x36" Rectified
Thickness: 11mm
Finish: Plaster/Matter/Canvas
Available in all colors.

12"x36" Rectified
Thickness: 11mm
Finish: Plaster/Matter/Canvas
Available in all colors.

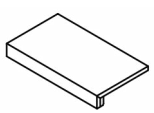
SPECIAL PIECES



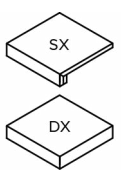
Bullnose 3.125"x36" Rectified
Finish: Plaster/Matter/Canvas
Available in all colors.



Step Corner 13.75"x13.75" Rectified
Finish: Plaster/Canvas
Available in all colors.



Step 13.75"x18" Rectified
Finish: Plaster/Matter/Canvas
Available in all colors.

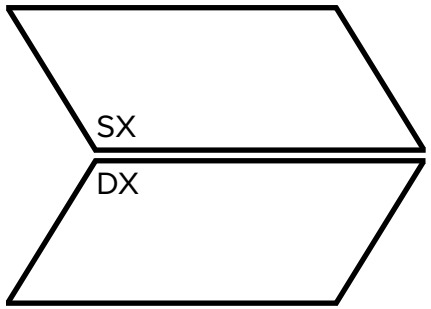


Step Corner SX/DX 13.75"x13.75" Rectified
Finish: Matter
Available in all colors.

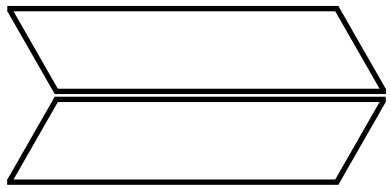
FIRENZE **SURFACES & FORMS**

TW-009-CT

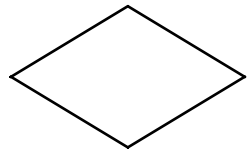
SHAPES



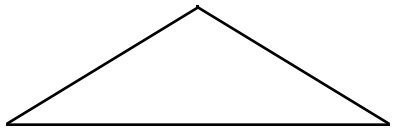
Gramma *66* 6.625"x15.375" Rectified
Thickness: 11mm
Finish: Plaster/Matter/Canvas
Available in all colors.



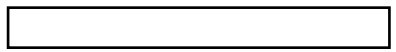
Gramma *38* 3.75"x15.375" Rectified
Thickness: 11mm
Finish: Plaster/Matter/Canvas
Available in all colors.



Cuadra 4.375"x3.75" Rectified
Thickness: 11mm
Finish: Plaster/Matter/Canvas
Available in all colors.



Esa 7.625"x13.375" Rectified
Thickness: 11mm
Finish: Plaster/Matter/Canvas
Available in all colors.



Listello 2"x18" Rectified
Thickness: 11mm
Finish: Plaster/Matter/Canvas
Available in all colors.

SHAPES

FIRENZE **SURFACES & FORMS**

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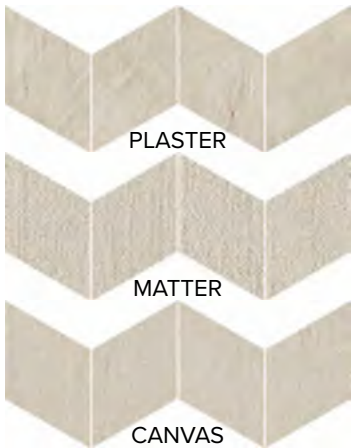
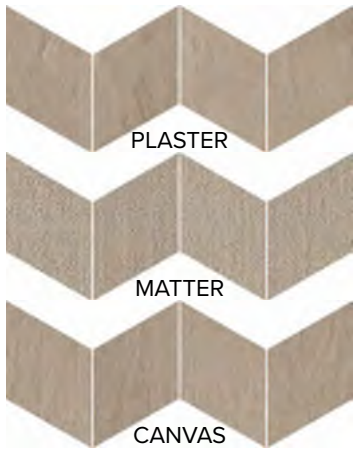
DECORS

Arrow 6.625"x15.5" *Finish: Natural/Matter/Canvas*

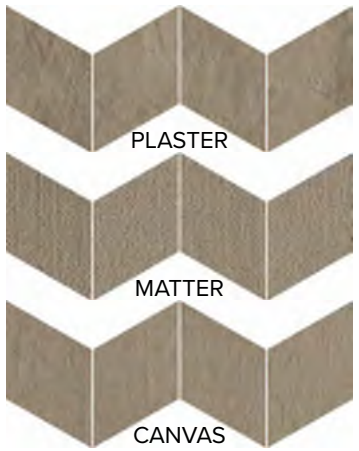
Lino



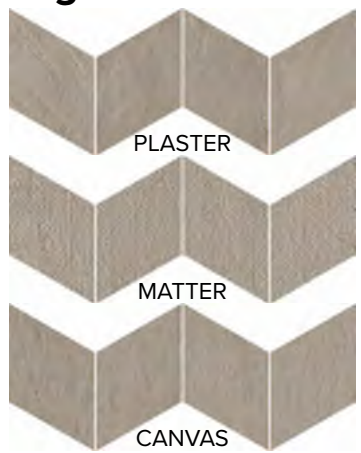
Corda



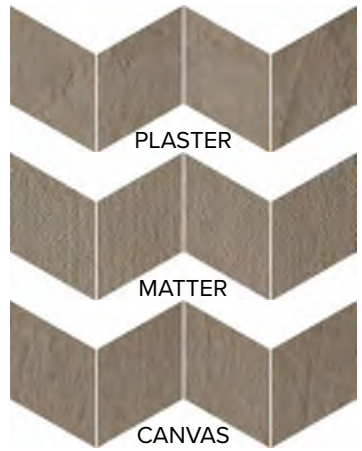
Tabacco



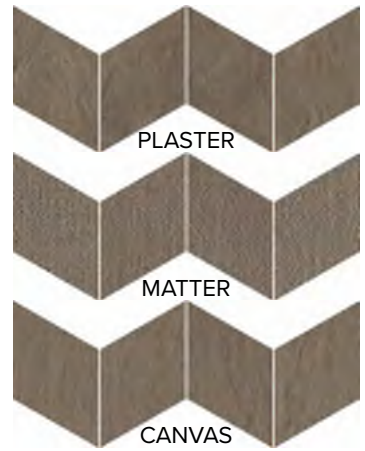
Argilla



Tortora



Moro



Cube 15.5"x15.5" *Finish: Trimatrecio**

Lino

Corda

Tabacco

Argilla

Tortora

Moro

**Trimatrecio is a mixture of all three surfaces (Plaster, Matter and Corda).*

FIRENZE **SURFACES & FORMS**

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DECORS

Leaf 16"x13.375" *Finish: Trimatrecio**

Light

Dark

Jewel 11.75"x13.375" *Finish: Trimatrecio**

Light

Dark

**Trimatrecio is a mixture of all three surfaces (Plaster, Matter and Corda).*
***Light** = LINO Canvas, TABACCO Matter and CORDA Plaster.*
***Dark** = ARGILLA Canvas, MORO Matter and TORTORA Plaster.*

PACKING

ARTICLE	SIZE (CM)	PCS/BOX	SQM/BOX	KG/BOX	BOX/PAL	SQM/PAL	KG/PAL
36"x36" Rectified	90x90	2	1.62	40	40	64.8	1600
12"x36" Rectified	30x90	3	0.81	20	27	21.9	540
Gramma 38 3.75"x15.375" Rectified	39.2x9.7	20	0.76	19	30	22.8	570
Gramma 66 SX 6.625"x15.375" Rectified	39.2x16.9	10	0.66	16.5	40	26.4	660
Gramma 66 DX 6.625"x15.375" Rectified	39.2x16.9	10	0.66	16.5	40	26.4	660
Listello 2"x18" Rectified	45x5	23	0.52	12.8	60	31.1	768
Esa 7.625"x13.375" Rectified	33.8x19.5	20	0.32	8	42	13.4	336
Cuadra 4.375"x3.75"	11.2	20	0.22	5.5	100	22	276
Jewel 11.75"x13.375"	33.8x29.7	4	0.41	10.5	36	14.8	378
Leaf 16”x13.375”	34.2x39.5	4	0.55	13.5	22	12.1	297
Cube 15.5”x15.5”	39.5x39.8	5	0.68	17	44	29.7	748
Arrow 6.625”x15.5”	16.9x39.5	10	0.46	11.5	40	18.4	460
Bullnose 3.125”x36” Rectified	8x90	9	0.65	16.5	40	25.9	660
Step 13.75”x18” Rectified	35x45	2	0.25	7.4	36	8.8	266.4
Step Corner 13.75”x13.75” Rectified	35x35	2	0.25	7.4	36	8.8	266.4
Step Corner SX 13.75"x13.75" Rectified	35x35	2	0.25	7.4	36	8.8	266.4
Step Corner DX 13.75"x13.75" Rectified	35x35	2	0.25	7.4	36	8.8	266.4

FIRENZE **SURFACES & FORMS**

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LAYING SOLUTIONS

Tile layouts in loose modules.

ROLLER (Gramma 66 DX 40% + SX 40% + Esa 20%)

CHEVRON (Gramma 38 100%)

TWIST (Gramma 66 SX 100%)

JEWEL (Esa 100%)

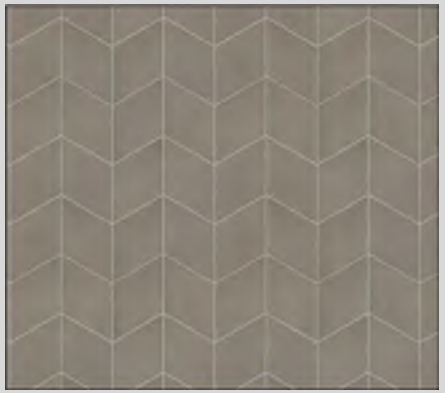
BOLT (Listello)

GRID (Listello)

WALL (Listello)

LAYING SOLUTIONS

Mesh-mounted tile layouts.



ARROW

GRID

LEAF

JEWEL

FIRENZE **SURFACES & FORMS**

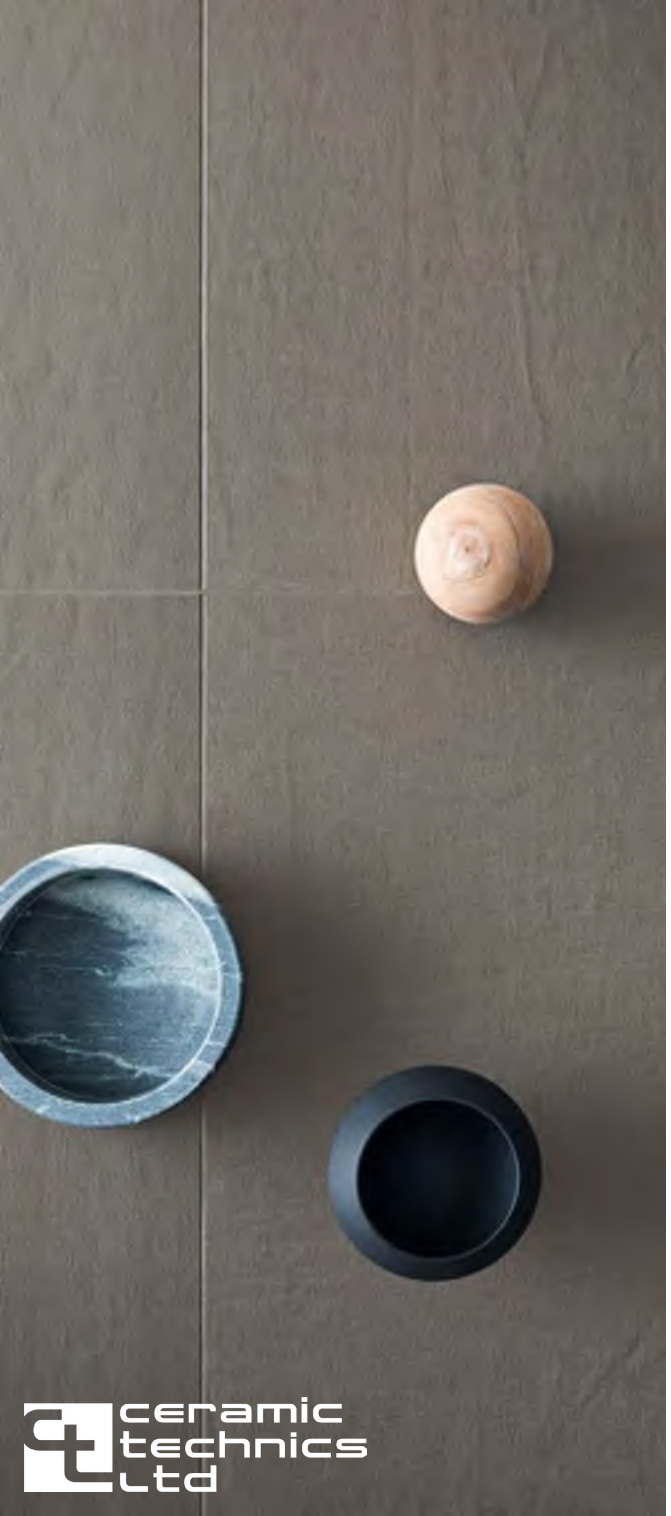
TW-009-CT

TECHNICAL CHARACTERISTICS *ANSI/ASTM Standards*

TECHNICAL FEATURES	TEST METHOD	REQUIRED VALUES	AVERAGE VALUES
D.C.O.F.	ANSI A 137.1-2012 (BOT 3000)	≥ 0.42 Wet	**Plaster**: 0.64 Wet **Matter**: 0.65 Wet **Canvas**: 0.56 Wet
Water Absorption	ASTM C373	≤ 0.5%	0.05 %
Breaking Strength	ASTM C648	≥ 250 lbf	700 lbf
Deep Abrasion Resistance	ASTM C1243	≤ 175 mm^3	145 mm^3
Linear Thermal Expansion	ASTM C372	No provision	$\alpha \leq 8 \cdot 10^{-6}\ °C^{-1}$ $\alpha \leq 4.4 \cdot 10^{-6}\ °F^{-1}$
Chemical Resistance	ASTM C650	As indicated by manufacturer	A Resistant
Stain Resistance	ASTM C1378	As indicated by manufacturer	A Resistant
Frost Resistance	ASTM C1026	As indicated by manufacturer	Resistant
Bond Strength	ASTM C482	≥ 50 PSI	Compliant
Shade Variation	ANSI A 137.1	As indicated by manufacturer	V2
Flame Spread	ASTM E84	-	Class A
Robinson Floor Tester	ASTM C627	As indicated by manufacturer	≥ 14 Cycles *Extra Heavy Commercial (Over Concrete)*

40%
Recycled Content

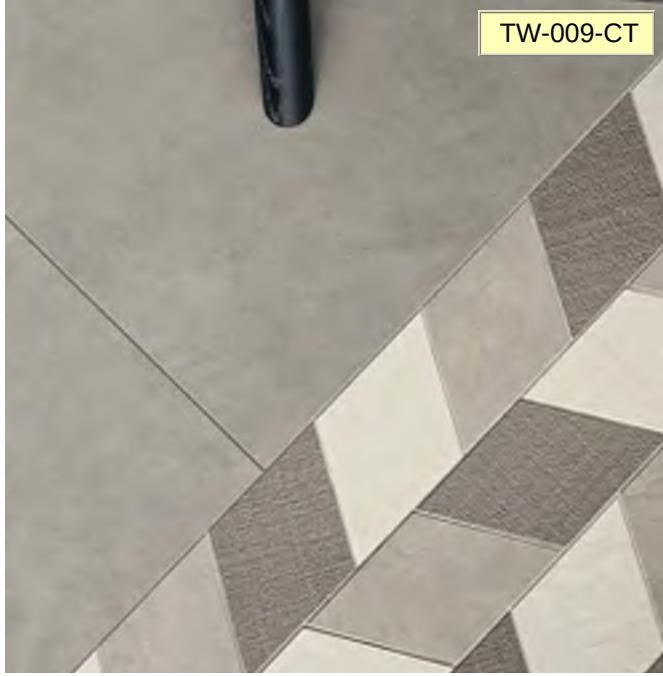
The color of the tiles printed in this catalog may differ from actual tiles. Tile color reproductions in this brochure are representative only. Slight tone and shade variations are inherent in porcelain tiles. Before selecting a color, we recommend that you contact a CTL sales representative before selecting.



FIRENZE

SURFACES AND FORMS

PLASTER • MATTER • CANVAS



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Ceramic Technics Ltd.
1298 Old Alpharetta Road | Alpharetta, GA 30005
Phone: (770) 740-0050 | Fax: (770) 740-1199 | www.ceramictechnics.com

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TW-009-DA

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Wall TIle
Item Type	Porcelain Wall Tile
Description	Porcelain Mosaic Wall Tile
Manufacturer	Daltile
Model	Archer Pattern UM21
Dimensions	12-15/16" x 12-15/16" x 3/8"
Color	Sky Blend
Finish	Matte
Material Composition	Glazed Porcelain
CSI #	093000 - Tiling
Omniclass #	22 - 093000 - Tiling
Part of an Assembly	N
Recommended Grout	Refer to Design Guideline Drawings for Grout mark number.
Coefficient of Friction	N/A
Finish	Matte
Product/Color	UM21 Archer Pattern Sky Blend
Warranty	N/A

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Daltile
Contact Name: Morgan Stephenson
Phone: (214) 309-4531
Email: morgan.stephenson@daltile.com

ALTERNATE MANUFACTURER 2

Vendor Name: Ceramic Technics
Contact Name: Mary Beth Tallant
Phone: (770) 891-0684
Email: mtallant@ceramictechnics.com

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Public Restrooms

TW-009-DA

CONCRETE LOOK

FLOOR | WALL

UNIFORM MOSAICS™

COLORBODY™ PORCELAIN

daltile®

IMAGINE WHAT'S POSSIBLE™

TW-009-DA

FLOOR | WALL

UNIFORM MOSAICS™

COLORBODY™ PORCELAIN

Shape Things Up

Create a harmonious vibe with Uniform Mosaics™. This transitional collection, inspired by the natural look of wood & concrete, offers contemporary shapes in an array of color combinations. Uniform Mosaics™ will add visual depth to your designs.

- TAKE SHAPE
  - Choose from modern mosaic shapes such as 3D Cube Mosaic and Archer Mosaic.
  - TruEdge™ rectification technology ensures precise edges and tight grout joints for a seamless and more authentic look
- UNIFORMED DESIGN
  - Mosaic pieces coordinate with linear pieces offered in our Uniform Concrete™ and Uniform Wood™ collections.
  - Suitable for floor and wall/backsplash applications.

CONCRETE LOOK

USAGE

- FLOOR
- WALL
- COUNTERTOP
- SHOWER FLOOR
- EXTERIOR FLOOR

SPECIAL FEATURES

- STEPWISE™
- TRU-EDGE™
- MADE IN THE U.S.A.
- LARGE FORMAT
- MOSAIC/ DECO
- ENCAUSTIC
- TERRAZZO
- PAVER
- CUSTOMIZE
- FLEXFIT™

PC COLORBODY PORCELAIN

LOW — HIGH

SEE CHARTS FOR FULL PRODUCT DETAILS

Cover & Above photos feature Uniform Mosaic™ White 3D Cube and Uniform Wood™ 8 x 48 Black on the floor with ONE Quartz Surfaces® Geyser on the countertop.

FLOOR | WALL

UNIFORM MOSAICS™

COLORBODY™ PORCELAIN

SIZES:

Archer Mosaic
Mesh-mounted

3D Cube
Mesh-mounted

FINISHES: MATTE

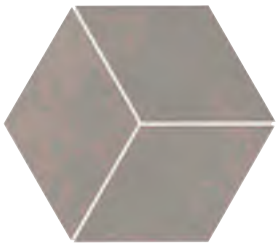
3D CUBE MOSAIC

WHITE UC10

BEIGE UC11

LIGHT GREY UC12

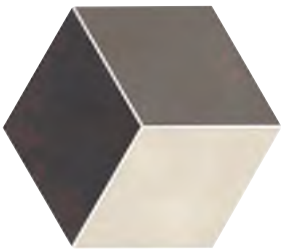
TAUPE UC13



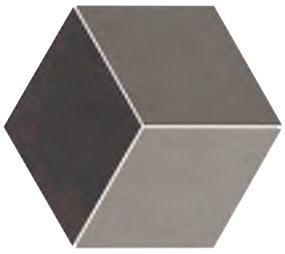
MEDIUM GREY UC14

DARK GREY UC15

BLACK UC16



MOUNTAIN BLEND UC18



CAVERN BLEND UC19

ARCHER MOSAIC

ARCTIC BLEND UM20

TERRAIN BLEND UM23

SKY BLEND UM21

VOLCANIC BLEND UM22

SLIP RESISTANT

WATERPROOF

STAINPROOF

DENTPROOF

SCRATCH-RESISTANT†
†Applicable to products with Matte and Textured Finishes

FIRE-RESISTANT†
†Not Applicable to Mesh-Mounted Mosaics

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SIMPLICLEAN™

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FLOOR | WALL

UNIFORM MOSAICS™

COLORBODY™ PORCELAIN

TW-009-DA

CONCRETE LOOK

SIZES

		Thickness	Sq. Ft./ Carton	Pieces/ Carton
	Archer Mosaic Mesh-mounted (12-15/16" x 12-15/16") (32.87cm x 32.87cm)	3/8"	8.19	7
	3D Cube Mesh-mounted (11-1/2" x 11-1/2") (29.21 cm x 29.21cm)	3/8"	6.20	10

APPLICATIONS

	Target DCOF wet	Suitable
Dry & Level – Interior Floor	N/A	✓
Wet & Level – Interior Floor	≥ 0.42	✓
Shower Floors (Residential or Light Commercial)	≥ 0.42	✓*
Exterior Floor Applications (including pool decking & other wet areas with minimal footwear)	≥ 0.60	
Ramps & Inclines	≥ 0.65	
Walls/Backsplashes	N/A	✓
Countertops	N/A	✓
Pool Linings	N/A	

A DCOF value of ≥0.42 is the standard for tiles specified for level interior spaces expected to be walked upon when wet, as stated in ANSI A137.1-A326.3. For more information about DCOF and the DCOF AcuTest™, visit daltile.com/DCOF.

APPLICATION NOTES:

Suitable for exterior applications in freezing and non-freezing climates, when proper installation methods are followed.

* Mosaic tile suitable only when a linear drain system is used and proper installation methods are followed

INSTALLATION

Grout Joint Recommendation	Shade Variation
Mosaic: 1/8"	Medium (V2) (UC10-UC16, UC18-UC19) High (V3) (UM20-UM23)

PERFORMANCE CHARACTERISTICS

	ASTM#	Result
Water Absorption	C373	<0.5%
Breaking Strength	C648	> 275 lbs
Scratch Hardness	MOHS	8.0
Chemical Resistance	C650	Resistant
Abrasion Resistance	C1027	N/A

For additional information on test results, visit us at: daltile.com/information/TestResults.

NOTES

Since there are variations in all fired ceramic and natural products, tile and trim supplied for your particular installation may not match samples. Final confirmation should be made from actual tiles and trim prior to installation. Manufactured in accordance with ANSI A137.1 standards.

Not for use on ramps. Water, oil, grease, improper drainage and certain footwear can create slippery conditions. Floor applications expected to be exposed to these conditions require extra caution in product selection.

For additional information refer to "Factors to Consider" at: daltile.com/Factors.

Special care should be taken when grouting with dark pigmented colors. A grout release is recommended to prevent finely powdered pigments from lodging in the pores of the surface. Use of a latex modified thin-set is recommended for installation.

PRE-CONSUMER RECYCLED MATERIALS

MADE IN THE U.S.A.

REVEAL IMAGING®

All or select items within this series meet the requirements for these qualifications. For more information, visit daltile.com.

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CERTIFIED PORCELAIN™ TILE 0.5% or less water absorption

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Transitions Strips

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TS-001-SCH

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Transition Strip
Item Type	Metal Edge Trim
Description	Metal Edge Trim
Manufacturer	Schluter Systems
Model	Schiene
Dimensions	Coordinate height with flooring material
Color	Brushed Stainless Steel EB
Material Composition	Stainless Steel
CSI #	093000 - Tiling
Omniclass #	22-093013
Quality Standards	ANSI A108/A118/A136.1 American National Specifications for the Installation of Ceramic Tile; TCNA Handbook for Ceramic, Glass, and Stone Tile Installation
Accessibility Compliance	All horizontal Surfaces: COF 0.42 when wet (ANSI A326.3)
Part of an Assembly	N
Lead Time	To be verified
Warranty	Warranted to be free from manufacturing defects for a period of 5 years from the date of the purchase order

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Schluter Systems
Contact Name: Customer Service
Phone: (888) 472-4588
Email: anielfen@schluter.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Reception
Back-of-House Laundry
Ice-Vending
Corridors
Elevator Lobby
Hydration Station
Breakfast
Fitness Center

Schluter® Systems

PROFILE OF INNOVATION

FLOOR PROFILES

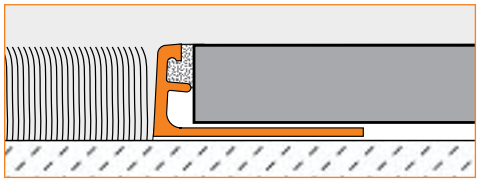
INNOVATIVE SOLUTIONS FOR CERAMIC AND STONE TILE

FINISHING, EDGE PROTECTION, AND TRANSITIONS

Because ceramic and stone tiles are inherently brittle, their exposed edges can chip and crack if left unprotected. Transitions between floor surfaces and at thresholds are particularly vulnerable to damage. Schluter-Systems offers a variety of profiles to provide edge protection and transitioning at thresholds and between adjacent surfaces, resulting in durable, maintenance-free tiled coverings. The profiles can be grouped into two categories: transitions between same-height surfaces and transitions between different-height surfaces

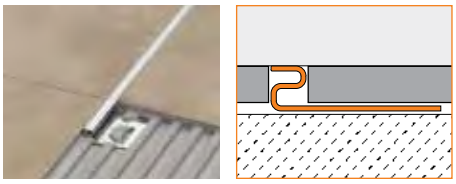
Application and Function

Same-height Transitions

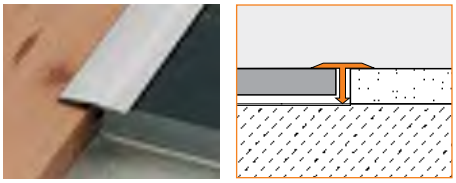


1.1 Schluter®-SCHIENE is designed to provide edging for tile coverings. Typical applications include edge protection where tile is bordered by carpet, at expansion joints, or as a decorative edging for stairs. SCHIENE is available in stainless steel, solid brass, aluminum, and anodized aluminum. The profile features a trapezoid- perforated anchoring leg, which is secured in the mortar bond coat beneath the tile, and an 87° sloped vertical wall section that transfers point loads to the substrate and surface covering while protecting tile edges from damage. SCHIENE, in solid brass, aluminum, and anodized aluminum, features a 5° sloped top flange and fillet at the anchoring leg/vertical section interface to enhance edge protection by reducing stresses on the tile, and, in sizes greater than 1/4" *(6 mm)*, features an integrated joint spacer that establishes a defined joint cavity between the tile and the profile. The anchoring leg of SCHIENE, in all materials, is available with a special radius perforation "R" so that the profile can be used to form curves.

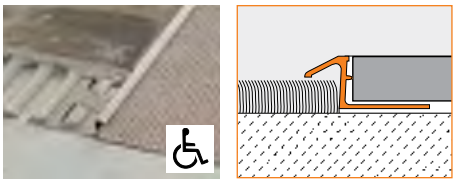
1.1 Schluter®-SCHIENE



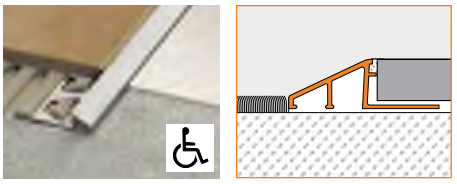
1.6 Schluter®-DECO



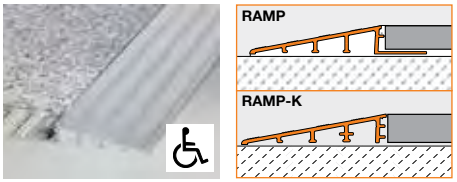
1.3 Schluter®-RENO-T



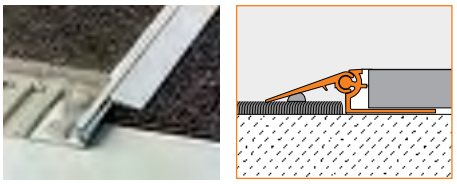
1.4 Schluter®-RENO-TK



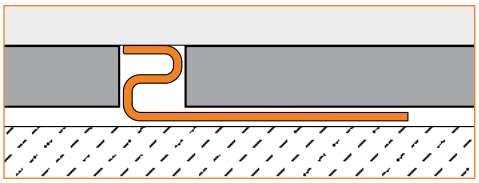
1.2 Schluter®-RENO-U



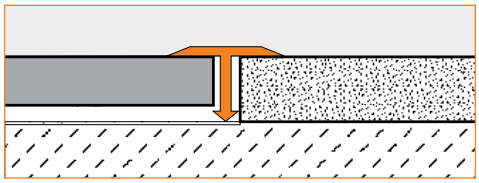
1.8 Schluter®-RENO-RAMP/-K



1.7 Schluter®-RENO-V

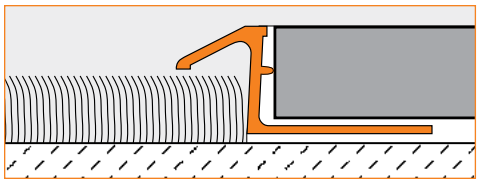


1.6 Schluter®-DECO is designed to provide decorative lines within tile coverings and edge protection at transitions from tile coverings to other same-height surface coverings, such as wood or carpet. The profile is available in stainless steel, solid brass, chrome-plated solid brass, and anodized aluminum. DECO features a trapezoid-perforated anchoring leg, which is secured in the mortar bond coat beneath the tile, and a 1/4" *(6 mm)*-wide visible surface that meets the high aesthetic requirements of showrooms, lobbies, galleries, exhibition booths, etc. The anchoring leg of DECO, in solid brass, chrome-plated solid brass, and anodized aluminum, is available with a special radius perforation "R" so that the profile can be used to form curves. DECO in chrome-plated brass requires a relatively large bending radius.

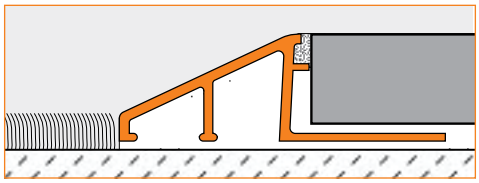


1.3 Schluter®-RENO-T is designed to provide transitions between existing same-height, hard-surface floor coverings (e.g., ceramic tile or natural stone, parquet flooring, concrete pavers, laminate, etc.), primarily in retrofit applications. The profile is available in stainless steel, solid brass, and anodized aluminum. RENO-T is installed within the existing joint cavity and overlaps adjoining surface materials, thus preventing edges from becoming damaged when subjected to mechanical stress. RENO-T, in brass and anodized aluminum size 9/14, is flexible in the lateral direction and can be used in curved applications.

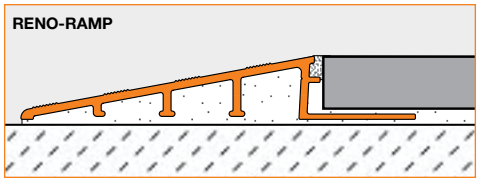
Different-height Transitions

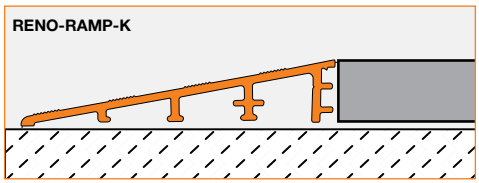


1.4 Schluter®-RENO-TK is designed to provide a smooth transition from tile coverings to floor coverings at lower elevations, typically carpet. The profile is available in stainless steel, solid brass, and anodized aluminum. RENO-TK features a trapezoid-perforated anchoring leg, which is secured in the mortar bond coat beneath the tile, and a sloped surface to eliminate trip hazards and protect tile edges. The 1/4" *(6 mm)* channel beneath the sloped flange of the profile hides and protects the cut edge of lower adjoining surface coverings. All sizes of the RENO-TK are compliant with the Americans with Disabilities Act (ADA). RENO-TK, in anodized aluminum, features an integrated joint spacer that establishes a defined joint cavity between the tile and the profile. The anchoring leg of RENO-TK, in solid brass and anodized aluminum, sizes 60 to 100, is available with a special radius perforation "R" so that the profile can be used to form curves.

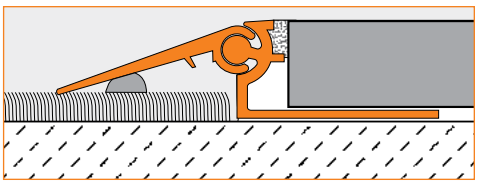


1.2 Schluter®-RENO-U is designed to provide a smooth transition between tile coverings and floor coverings at lower elevations or finished concrete. The profile is available in stainless steel, solid brass, and anodized aluminum. RENO-U features a trapezoid-perforated anchoring leg, which is secured in the mortar bond coat beneath the tile, and a sloped surface (approximately 25°) that eliminates trip hazards and protects tile edges. The leading edge of the profile abuts the lower surface covering, typically VCT. RENO-U, in aluminum, features an integrated joint spacer that establishes a defined joint cavity between the tile and the profile. In installations where the leading edge abuts a lower surface covering, all sizes of RENO-U, except the 3/4" *(20 mm)* and 11/16" *(17.5 mm)*, are compliant with the Americans with Disabilities Act (ADA). In installations where the leading edge rests on top of the lower floor covering (e.g., finished concrete), the 3/4" *(20 mm)*, 11/16" *(17.5 mm)*, and 9/16" *(15 mm)* sizes are not ADA-compliant.
Note: When using Schluter® uncoupling membranes with RENO-U profiles, factor in the thickness of the membrane over the anchoring leg when selecting the profile height.





1.8 Schluter®-RENO-RAMP is designed to provide a smooth transition between tile coverings and floor coverings at lower elevations or finished concrete, particularly in commercial applications where wheel carts are used (e.g., bakeries, hospitals, etc.). The profile is available in anodized aluminum. RENO-RAMP features a trapezoid-perforated anchoring leg, which is secured in the mortar bond coat beneath the tile, and a sloped transition surface that terminates at the height of the tile edge. The profile protects tile edges and provides a sloped surface to eliminate trip hazards and allow easy access for wheel carts. RENO-RAMP features an integrated joint spacer that establishes a defined joint cavity between the tile and the profile.
Note: When using Schluter® uncoupling membranes with RENO-RAMP profiles, factor in the thickness of the membrane over the anchoring leg when selecting the profile height.
Schluter®-RENO-RAMP-K is a variant of the profile without an anchoring leg. RENO-RAMP-K is installed adjacent to existing floor coverings, e.g., retrofitting between existing floor coverings and bare concrete without having to disturb the existing flooring. All sizes of RENO-RAMP, except sizes 9/16" *(15 mm)* and 3/4" *(20 mm)*, are compliant with the Americans with Disabilities Act (ADA).



1.7 Schluter®-RENO-V is designed to provide a smooth transition between tile coverings and floor coverings at lower elevations. The profile is available in anodized aluminum. RENO-V features a trapezoid-perforated anchoring leg, which is secured in the mortar bond coat beneath the tile, and a movable transition arm that allows the profile to adjust to the height of the adjacent floor covering via a ball-and-socket joint. The profile protects tile edges and provides a sloped surface to eliminate trip hazards. RENO-V features an integrated joint spacer that establishes a defined joint cavity between the tile and the profile. RENO-V is also suitable for heavy-duty applications (e.g., entrances to garages or loading docks). In such cases, the adjustable arm is backfilled with mortar.

Material Properties and Areas of Application

Schluter edge-protection and transition profiles are resistant to most chemicals encountered in tiled environments. In special cases, the suitability of a proposed type of profile must be verified based on the anticipated chemical, mechanical, and/or other stresses. Exceptions and special considerations are listed below:

Stainless steel profiles are roll-formed, resulting in a slightly different contour from those made of extruded brass or aluminum. Stainless steel can sustain high mechanical stresses and is particularly well suited for applications requiring resistance against chemicals and acids; for example in the food industry, breweries, dairies, commercial kitchens, and hospitals, as well as in residential applications. Typically, the profiles are formed using stainless steel 304 (1.4301 = V2A). For more severe chemical exposure, such as de-icing salts and chemicals used in swimming pools, we recommend the use of stainless steel 316 L (1.4404 = V4A), which offers even higher corrosion resistance than the 304. Even stainless steel cannot withstand all chemical exposures, such as hydrochloric acid, hydrofluoric acid or certain chlorine, chloride, and brine concentrations.

Chrome-plated solid brass is ideal for matching chrome fixtures. Surfaces must be protected against abrasion or scratching.

Solid brass can sustain high mechanical stresses, as well as most chemicals commonly encountered in tiled environments. Solid brass that is exposed to air will oxidize, resulting in a natural patina. If exposed to moisture or aggressive substances, heavy oxidation and spotting may occur.

Aluminum profiles must be tested to verify their suitability if chemical stresses are anticipated. Cementitious materials, in conjunction with moisture, become alkaline. Since aluminum is sensitive to alkaline substances, exposure to the alkali (depending on the concentration and duration of exposure) may result in corrosion (aluminum hydroxide formation). Therefore, it is important to remove mortar or grout residue from visible surfaces. In addition, ensure that the profile is solidly embedded in the setting material and that all cavities are filled to prevent the collection of alkaline water.

Anodized aluminum profiles feature an anodized layer that retains a uniform appearance during normal use, but is not color-stable in exterior applications. The surface is susceptible to scratching and wear and may be damaged by grout or setting material. Therefore, these materials must be removed immediately. Otherwise, the description regarding aluminum applies.

Cutting Profiles

Observe all safety instructions and standards as directed by the cutting tool manufacturer, including protective eyewear, hearing protection, and gloves.

Always measure carefully and dry fit the profiles, corners, and connectors to ensure proper fit and alignment prior to setting tile.

Aluminum profiles may be cut using any of the following options:

- **Hacksaw** with a bimetal blade and the highest teeth per inch (TPI) available.
- **Variable-Speed Angle Grinder** set to the lowest speed using the Schluter®-PROCUT-TSM cutting wheel.
- **Chop saw or Miter Saw** with a non-ferrous blade.

Regardless of the cutting tool used, remove any burrs from the cut end of the profile with a file or similar before installation.

Stainless steel profiles may be cut using any of the following options:

- **Variable-Speed Angle Grinder** set to the lowest speed using the Schluter®-PROCUT-TSM cutting wheel.
- **Band Saw** with a metal cutting blade.

Regardless of the cutting tool used, remove any burrs from the cut end of the profile with a file or similar before installation.

Installation

SCHIENE, JOLLY, DECO, RENO-TK, RENO-U, RENO-RAMP, and RENO-V

1. Select the profile according to tile thickness and format.

   Note: When using Schluter® uncoupling membranes with RENO-U and RENO-RAMP profiles, factor in the thickness of the membrane over the anchoring leg when selecting the profile height.
2. Using a notched trowel, apply thin-set mortar to the area where the profile is to be placed.

   For RENO-U and RENO-RAMP, fill the cavity beneath the sloped section of the profile with thin-set mortar. Follow this step when RENO-V is used in heavy-duty applications, as well.
3. Press the perforated anchoring leg of the profile into the mortar and align.
4. Trowel additional thin-set mortar over the perforated anchoring leg to ensure full coverage and support of the tile edges.
5. Solidly embed the tiles so that the tiled surface is flush with the top of the profile; the profile should not be higher than the tiled surface, but rather up to approx. 1/32" *(1 mm)* lower.
6. Set the tile to the integrated joint spacer, which ensures a uniform joint of 1/16" - 1/8" *(1.5 - 3 mm)*. For DECO and stainless steel profiles, leave a space of approximately 1/16" - 1/8" *(1.5 - 3 mm).*
7. Fill the joint completely with grout or setting material.
8. Remove grout or mortar residue from the visible surface of the profile.

RENO-RAMP-K

1. Fill the cavity beneath the sloped section of the profile with thin-set mortar.
2. Using a notched trowel, apply thin-set mortar to the area where the profile is to be placed.
3. Press the profile into the mortar and abut to the adjacent floor covering. The profile should not be higher than the adjacent floor covering, but rather up to approx. 1/32" *(1 mm)* lower.
4. Fill the joint completely with grout or setting material.
5. Work with materials and tools that will not scratch or damage sensitive surfaces. Setting materials must be removed immediately.

RENO-T

1. Select the profile according to joint width, to ensure proper support of the lateral crosspiece.
2. The joint cavity must be at least 3/8" *(9 mm)* deep and free of debris. Substances that inhibit adhesion must be removed from the sides of the joint.

3. Fill the joint with elastomeric sealant such as Schluter®-KERDI-FIX or similar. Then insert the vertical leg of RENO-T in the joint so that the lateral crosspiece rests completely on the edges of the surface coverings.
4. Remove any excess sealant with a suitable cleaner.

Maintenance

Schluter edge-protection and transition profiles require no special maintenance or care and are resistant to mold and fungi. Clean profiles periodically using neutral cleaning agents.

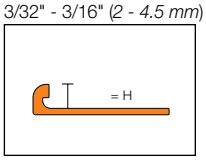
Stainless steel surfaces exposed to the environment or aggressive substances should be cleaned periodically using a mild household cleaner. Regular cleaning maintains the neat appearance of stainless steel and reduces the risk of corrosion. All cleaning agents must be free of hydrochloric acid, hydrofluoric acid, and chlorides. Stainless steel surfaces develop a sheen when treated with a chrome-polishing agent.

Oxidation films on exposed **solid brass** or **aluminum** can be removed by using a conventional polishing agent, but will form again.

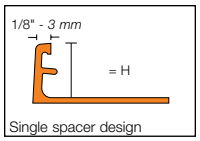
In the case of **anodized aluminum**, **color-coated aluminum,** and **chrome-plated solid brass**, do not use abrasive cleaning agents.

Product Item Numbers

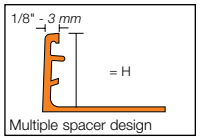
Aluminum, Brass
3/32" - 3/16" (*2 - 4.5 mm*)



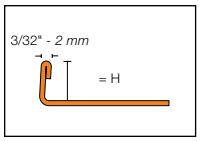
1/4" - 1/2" (*6 - 12.5 mm*)

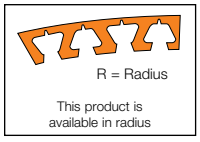


17/32" - 1-3/16" (*14 - 30 mm*)



Stainless steel





1.1 Schluter®-SCHIENE

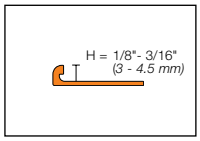
H = mm - *in.*	Item No.					
	Stainless steel 316L (1.4404 = V4A) (E/V4A)	Stainless steel 304 (1.4301 = V2A) (E)	Brushed stainless steel 304 (1.4301 = V2A) (EB)	Solid brass (M)	Aluminum (A)	Satin anodized aluminum (AE)
2 - *3/32*	-	E 20	-	-	A 20	AE 20
3 - *1/8*	-	E 30	-	M 30	A 30	AE 30
4.5 - *3/16*	E 45/V4A	E 45	-	M 45	A 45	AE 45
6 - *1/4*	E 60/V4A	E 60	E 60 EB	M 60	A 60	AE 60
7 - *9/32*	-	E 70	-	-	A 70	AE 70
8 - *5/16*	E 80/V4A	E 80	E 80 EB	M 80	A 80	AE 80
9 - *11/32*	-	E 90	-	M 90	A 90	AE 90
10 - *3/8*	E 100/V4A	E 100	E 100 EB	M 100	A 100	AE 100
11 - *7/16*	-	E 110	E 110 EB	M 110	A 110	AE 110
12.5 - *1/2*	E 125/V4A	E 125	E 125 EB	M 125	A 125	AE 125
14 - *17/32*	-	E 140	-	-	A 140	AE 140
15 - *9/16*	E 150/V4A	E 150	-	M 150	A 150	AE 150
16 - *5/8*	-	E 160	-	M 160	A 160	AE 160
17.5 - *11/16*	E 175/V4A	E 175	-	M 175	A 175	AE 175
20 - *3/4*	E 200/V4A	E 200	-	M 200	A 200	AE 200
21 - *13/16*	-	-	-	-	A 210	AE 210
22.5 - *7/8*	E 225/V4A	E 225	-	M 225	A 225	AE 225
25 - *1*	E 250/V4A	E 250	-	M 250	A 250	AE 250
27.5 - *1-1/16*	-	-	-	-	A 275	AE 275
30 - *1-3/16*	E 300/V4A	E 300	-	M 300	A 300	AE 300

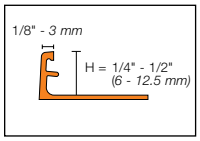
Length supplied: 8' 2-1/2" — *2.5 m*

1.1 Schluter®-SCHIENE

Length = 3.05 m - 10'

H = mm - *in.*	Item No.	
	Stainless steel 304 (1.4301 = V2A) (E)	Satin anodized aluminum (AE)
8 - *5/16*	E 80/300	AE 80/300
10 - *3/8*	E 100/300	AE 100/300
12.5 - *1/2*	E 125/300	AE 125/300





Notes:
- Radius available for JOLLY in metal profiles only.
- JOLLY in polished aluminum and chrome-plated brass require a relatively large bending radius.

2.3 Schluter®-JOLLY

H = mm - *in.*	Item No. Satin brass anodized aluminum (AM)	Brushed brass anodized aluminum (AMGB)	Satin copper anodized aluminum (AK)	Brushed copper anodized aluminum (AKGB)	Satin nickel anodized aluminum (AT)	Brushed nickel anodized aluminum (ATGB)
6 - *1/4*	A 60 AM	A 60 AMGB	A 60 AK	A 60 AKGB	A 60 AT	A 60 ATGB
8 - *5/16*	A 80 AM	A 80 AMGB	A 80 AK	A 80 AKGB	A 80 AT	A 80 ATGB
10 - *3/8*	A 100 AM	A 100 AMGB	A 100 AK	A 100 AKGB	A 100 AT	A 100 ATGB
12.5 - *1/2*	A 125 AM	A 125 AMGB	A 125 AK	A 125 AKGB	A 125 AT	A 125 ATGB

H = mm - *in.*	Item No. Brushed antique bronze anodized aluminum (ABGB)	Brushed chrome anodized aluminum (ACGB)	Polished chrome anodized aluminum (ACG)	Polished copper anodized aluminum (AKG)	Polished nickel anodized aluminum (ATG)	Polished brass anodized aluminum (AMG)
6 - *1/4*	A 60 ABGB	A 60 ACGB	A 60 ACG	A 60 AKG	A 60 ATG	A 60 AMG
8 - *5/16*	A 80 ABGB	A 80 ACGB	A 80 ACG	A 80 AKG	A 80 ATG	A 80 AMG
10 - *3/8*	A 100 ABGB	A 100 ACGB	A 100 ACG	A 100 AKG	A 100 ATG	A 100 AMG
12.5 - *1/2*	A 125 ABGB	A 125 ACGB	A 125 ACG	A 125 AKG	A 125 ATG	A 125 AMG

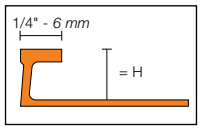
Length supplied: 8' 2-1/2" — *2.5 m*

2.3 Schluter®-JOLLY

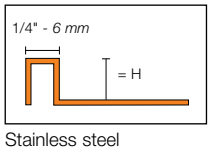
Length = 3.05 m - 10'

H = mm - *in.*	Item No. Satin nickel anodized aluminum (AT)	Brushed antique bronze anodized aluminum (ABGB)	Polished chrome anodized aluminum (ACG)
8 - *5/16*	A 80 AT/300	A 80 ABGB/300	A 80 ACG/300
10 - *3/8*	A 100 AT/300	A 100 ABGB/300	A 100 ACG/300
12.5 - *1/2*	A 125 AT/300	A 125 ABGB/300	A 125 ACG/300

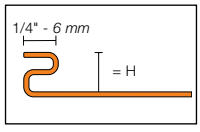
Aluminum & MC 80 D



Brass



Stainless steel



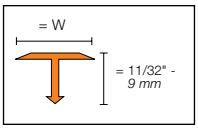
1.6 Schluter®-DECO

H = mm - *in.*	Item No. Stainless steel 304 (1.4301 = V2A) (E)	Solid brass (M)	Chrome-plated solid brass (MC)	Satin anodized aluminum (AE)
8 - *5/16*	E 80 D	-	MC 80 D	AE 80 D
9 - *11/32*	E 90 D	M 90 D	MC 90 D	-
10 - *3/8*	E 100 D	-	-	AE 100 D
11 - *7/16*	E 110 D	M 110 D	MC 110 D	-
12.5 - *1/2*	E 125 D	M 125 D	MC 125 D	AE 125 D
14 - *17/32*	E 140 D	-	-	-
16 - *5/8*	E 160 D	-	-	-
18.5 - *23/32*	E 185 D	-	-	-
21 - *13/16*	E 210 D	-	-	-
25 - *1*	E 250 D	-	-	-
30 - 1-*3/16*	E 300 D	-	-	-

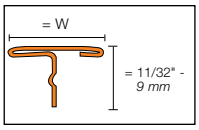
Length supplied: 8' 2-1/2" — *2.5 m*

Note: Only the brass and aluminum DECO are available in radius.

Aluminum, Brass



Stainless steel

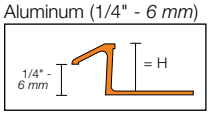


1.3 Schluter®-RENO-T

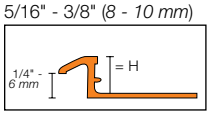
W = mm - *in.*	Item No. Stainless steel 304 (1.4301 = V2A) (E)	Brushed stainless steel 304 (1.4301 = V2A) (EB)	Solid brass (M)	Satin anodized aluminum (AE)	Satin nickel anodized aluminum (AT)	Satin copper anodized aluminum (AK)	Satin brass anodized aluminum (AM)
14 - *9/16*	T 9/14 E	T 9/14 EB	T 9/14 M	T 9/14 AE	T 9/14 AT	T 9/14 AK	T 9/14 AM
25 - *1*	T 9/25 E	T 9/25 EB	T 9/25 M	T 9/25 AE	T 9/25 AT	T 9/25 AK	T 9/25 AM

Length supplied: 8' 2-1/2" — *2.5 m*

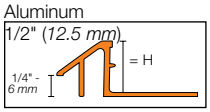
Aluminum (1/4" - *6 mm*)



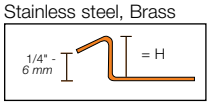
Aluminum 5/16" - 3/8" (*8 - 10 mm*)



Aluminum 1/2" (*12.5 mm*)



Stainless steel, Brass



1.4 Schluter®-RENO-TK

H = mm - *in.*	Item No. Stainless steel 304 (1.4301 = V2A) (E)	Brushed stainless steel 304 (1.4301 = V2A) (EB)	Solid brass (M)	Satin anodized aluminum (AE)	Bright chrome anodized aluminum (ACB)	Satin nickel anodized aluminum (AT)	Brushed nickel anodized aluminum (ATGB)
6 - *1/4*	-	-	-	AETK 60	ATK 60 ACB	ATK 60 AT	-
8 - *5/16*	ETK 80	EBTK 80	MTK 80	AETK 80	ATK 80 ACB	ATK 80 AT	ATK 80 ATGB
10 - *3/8*	ETK 100	EBTK 100	MTK 100	AETK 100	ATK 100 ACB	ATK 100 AT	ATK 100 ATGB
11 - *7/16*	ETK 110	EBTK 110	-	-	-	-	-
12.5 - *1/2*	ETK 125	EBTK 125	MTK 125	AETK 125	ATK 125 ACB	ATK 125 AT	ATK 125 ATGB

H = mm - *in.*	Item No. Satin copper anodized aluminum (AK)	Brushed copper anodized aluminum (AKGB)	Brushed antique bronze anodized aluminum (ABGB)	Bright brass anodized aluminum (AMB)
6 - *1/4*	ATK 60 AK	-	-	ATK 60 AMB
8 - *5/16*	ATK 80 AK	ATK 80 AKGB	ATK 80 ABGB	ATK 80 AMB
10 - *3/8*	ATK 100 AK	ATK 100 AKGB	ATK 100 ABGB	ATK 100 AMB
12.5 - *1/2*	ATK 125 AK	ATK 125 AKGB	ATK 125 ABGB	ATK 125 AMB

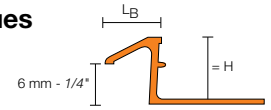
Length supplied: 8' 2-1/2" — *2.5 m*

ADA-Compliant

R = Radius

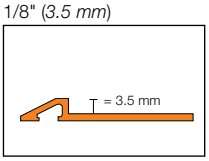
Note: Only the brass and aluminum RENO-TK are available in radius (sizes 60 - 100).

Diagram Values

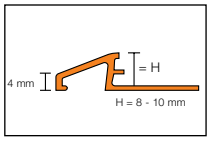


H = mm - *in.*	L_B = mm - in. Aluminum	Stainless steel/ Brass
6 - *1/4*	7.5 - *19/64*	-
8 - *5/16*	8.5 - *21/64*	7 - *9/32*
10 - *3/8*	8.5 - *21/64*	11 - *7/16*
11 - *7/16*	-	13.5 - *17/32*
12.5 - *1/2*	15.5 - *39/64*	16.5 - *21/32*

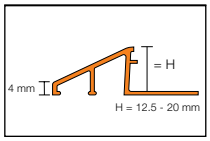
Aluminum
1/8" (*3.5 mm*)



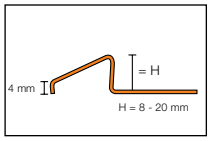
5/16" - 3/8" (*8 - 10 mm*)



1/2" - 3/4" (*12.5 - 20 mm*)



Stainless steel, Brass



1.2 Schluter®-RENO-U

H = mm - *in.*	Item No. Stainless steel 304 (1.4301 = V2A) (E)	Brushed stainless steel 304 (1.4301 = V2A) (EB)	Solid brass (M)	Satin anodized aluminum (AE)	Bright chrome anodized aluminum (ACB)	Satin nickel anodized aluminum (AT)	Brushed nickel anodized aluminum (ATGB)
3.5 - *1/8*	-	-	-	AEU 35	-	-	-
8 - *5/16*	EU 80	EBU 80	MU 80	AEU 80	AU 80 ACB	AU 80 AT	AU 80 ATGB
10 - *3/8*	EU 100	EBU 100	MU 100	AEU 100	AU 100 ACB	AU 100 AT	AU 100 ATGB
11 - *7/16*	EU 110	EBU 110	-	-	-	-	-
12.5 - *1/2*	EU 125	EBU 125	MU 125	AEU 125	AU 125 ACB	AU 125 AT	AU 125 ATGB
15 - *9/16*	EU 150	EBU 150	MU 150	AEU 150	-	-	-
17.5 - *11/16*	EU 175	EBU 175	-	AEU 175	-	-	-
20 - *3/4*	EU 200	EBU 200	-	-	-	-	-

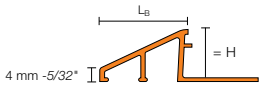
H = mm - *in.*	Item No. Satin copper anodized aluminum (AK)	Brushed copper anodized aluminum (AKGB)	Brushed antique bronze anodized aluminum (ABGB)	Satin brass anodized aluminum (AM)	Bright brass anodized aluminum (AMB)
8 - *5/16*	AU 80 AK	AU 80 AKGB	AU 80 ABGB	AU 80 AM	AU 80 AMB
10 - *3/8*	AU 100 AK	AU 100 AKGB	AU 100 ABGB	AU 100 AM	AU 100 AMB
12.5 - *1/2*	AU 125 AK	AU 125 AKGB	AU 125 ABGB	AU 125 AM	AU 125 AMB

Length supplied: 8' 2-1/2" — *2.5 m*

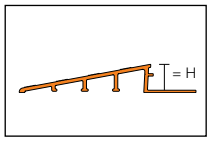
ADA-Compliant

Note: When leading edge abuts lower surface covering, sizes 3/4" *(20 mm)* and 11/16" *(17.5 mm)* are not ADA-compliant. When leading edge rests on top of lower surface covering, sizes 3/4" *(20 mm)*, 9/16" *(15 mm)*, and 11/16" *(12.5 mm)* are not ADA-compliant.

Diagram Values



H = mm - *in.*	L_B = mm - *in.* Aluminum	Stainless steel/Brass
3.5 - *1/8*	9 - 23/64	-
8 - *5/16*	12.5 - 31/64	13 - *33/64*
10 - *3/8*	16.5 - 21/32	17.5 - *11/16*
11 - *7/16*	-	19.5 - *49/64*
12.5 - *1/2*	22 - 55/64	23 - *29/32*
15 - *9/16*	27.5 - 1-5/64	28 - *1-7/64*
17.5 - *11/16*	27 - 1-1/16	33.5 - *1-5/16*
20 - *3/4*	*31.5 - 1-15/64*	40 - *1-37/64*



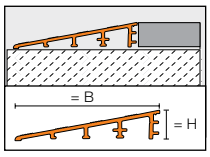
1.8 Schluter®-RENO-RAMP

H = mm - *in.*	Item No. Satin anodized aluminum (AE)
B = 50 mm - *2"*	
6 - *1/4*	AERP 60 B50
B = 64 mm - *2-1/2"*	
10 - *3/8*	AERP 100 B65
12.5 - *1/2*	AERP 125 B65
B = 89 mm - *3-1/2"*	
12.5 - *1/2*	AERP 125 B90
15 - *9/16*	AERP 150 B90
20 - *3/4*	AERP 200 B90

Length supplied: 8' 2-1/2" — *2.5 m*

ADA-Compliant

Note: RENO-RAMP sizes 3/4" - *20 mm* and 9/16" - *15 mm* are not ADA-compliant.



B = 64 mm - *2-1/2"*

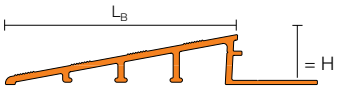
1.8 Schluter®-RENO-RAMP-K

H = mm - *in.*	Item No. Satin anodized aluminum (AE)
B = 64 mm - *2-1/2"*	
12.5 - *1/2*	AERPK 125 B65

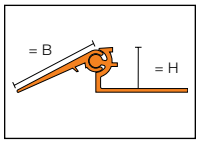
Length supplied: 8' 2-1/2" — *2.5 m*

Diagram Values

Length supplied: 8' 2-1/2" — *2.5 m*



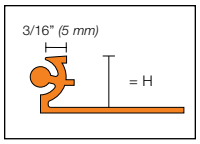
H = mm - *in.*	L_B = mm - *in.*
6 - *1/4*	50 - *2*
10 - *3/8*	64 - *2-1/2*
12.5 - *1/2*	*64* - *2-1/2*
12.5 - *1/2*	89 - *3-1/2*
15 - *9/16*	89 - *3-1/2*
20 - *3/4*	89 - *3-1/2*



1.7 Schluter®-RENO-V

H = mm - *in.*	Item No. Satin anodized aluminum (AE)	Satin brass anodized aluminum (AM)
B = 20 mm - *3/4*"		
8 - *5/16*	AEVT 80 B20	AVT 80 B20 AM
10 - *3/8*	AEVT 100 B20	AVT 100 B20 AM
12.5 - *1/2*	AEVT 125 B20	AVT 125 B20 AM
15 - *9/16*	AEVT 150 B20	AVT 150 B20 AM
17.5 - *11/16*	AEVT 175 B20	AVT 175 B20 AM
20 - *3/4*	AEVT 200 B20	AVT 200 B20 AM
B = 30 mm - *1-3/16*"		
8 - *5/16*	AEVT 80 B30	AVT 80 B30 AM
10 - *3/8*	AEVT 100 B30	AVT 100 B30 AM
12.5 - *1/2*	AEVT 125 B30	AVT 125 B30 AM
15 - *9/16*	AEVT 150 B30	AVT 150 B30 AM
17.5 - *11/16*	AEVT 175 B30	AVT 175 B30 AM
20 - *3/4*	AEVT 200 B30	AVT 200 B30 AM
B = 40 mm - *1-9/16*"		
8 - *5/16*	AEVT 80 B40	AVT 80 B40 AM
10 - *3/8*	AEVT 100 B40	AVT 100 B40 AM
12.5 - *1/2*	AEVT 125 B40	AVT 125 B40 AM
15 - *9/16*	AEVT 150 B40	AVT 150 B40 AM
17.5 - *11/16*	AEVT 175 B40	AVT 175 B40 AM
20 - *3/4*	AEVT 200 B40	AVT 200 B40 AM

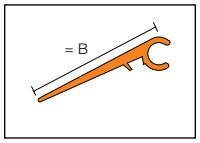
Length supplied: 8' 2-1/2" — *2.5 m*



1.7 Schluter®-RENO-VT

H = mm - *in.*	Item No. Satin anodized aluminum (AE)	Satin brass anodized aluminum (AM)
8 - *5/16*	AEVT 80	AVT 80 AM
10 - *3/8*	AEVT 100	AVT 100 AM
12.5 - *1/2*	AEVT 125	AVT 125 AM
15 - *9/16*	AEVT 150	AVT 150 AM
17.5 - *11/16*	AEVT 175	AVT 175 AM
20 - *3/4*	AEVT 200	AVT 200 AM

Length supplied: 8' 2-1/2" — *2.5 m*



1.7 Schluter®-RENO-VB

B = mm - *in.*	Item No. Satin anodized aluminum (AE)	Satin brass anodized aluminum (AM)
20 - *3/4*	AEVB 20	AVB 20 AM
30 - *1-3/16*	AEVB 30	AVB 30 AM
40 - *1-9/16*	AEVB 40	AVB 40 AM

Length supplied: 8' 2-1/2" — *2.5 m*

Schluter® Systems Floor Profiles 5-Year Limited Warranty

LIMITED WARRANTY COVERAGE: Subject to the conditions and limitations as stated in this **Schluter® Systems Floor Profiles 5-Year Limited Warranty** (the "**Limited Warranty**"), Schluter Systems warrants that its Schluter®-SCHIENE, Schluter®-JOLLY, Schluter®-RENO-TK, Schluter®-DECO, Schluter®-RENO-U, Schluter®-RENO-T, Schluter®-RENO-RAMP, Schluter®-RENO-RAMP-K, and Schluter®-RENO-V (collectively, the "**Products**") will be free from manufacturing defects and will perform as described in the Schluter Systems Floor Profiles Technical Data Sheet (collectively, the "**Written Materials**"[1]) for a period of five (5) years from the date of purchase when installed and used in accordance with the terms and conditions of the Written Materials and industry standard guidelines that are not in conflict with the Written Materials in effect at the time of installation.

For the purposes of this Limited Warranty, "**Owner**" is defined as the original end user of the property in which the Products are installed; and "**Tile Assembly**" is defined to include the Products, non-reusable flooring surfaces, and applicable setting and grouting materials.

This Limited Warranty is only applicable to installations in the United States of America and Canada. Schluter Systems is not responsible or liable under any circumstances for determining the suitability of the Products for the Owner's intended purpose. It is the responsibility of the Owner to consult with an experienced and professional installer to ensure the suitability of the Products, subfloor/substrate and all building materials in the installation and that the Written Materials are followed properly.

RESOLUTION: If the Products are installed and used in accordance with the terms and conditions as described hereinabove and such Products are proven defective within the applicable warranty term, the Owner's exclusive remedy and the sole obligation of Schluter Systems, at its election, shall be to (a) reinstall or replace the failed portion of the Tile Assembly or (b) pay an amount not to exceed the original square foot cost of the installation of the Tile Assembly verified to be defective. Due to conditions beyond the control of Schluter Systems (e.g., color and shade availability, discontinuation, normal wear and tear), Schluter Systems cannot guarantee or warrant an exact match to the specific tile, stone, or other flooring materials used in the original installation. In such event, substantially similar materials may be substituted.

EXCLUSIONS FROM COVERAGE: This Limited Warranty excludes and in no event shall Schluter Systems have any liability for any indirect, special, incidental, punitive, exemplary, or consequential damages, including lost profits, arising out of or otherwise connected to the failure of the Products or Tile Assembly, regardless of any strict liability or active or passive negligence of Schluter Systems, and regardless of legal theory, whether in contract, tort, extra-contractual or other. This Limited Warranty further excludes any loss or damage arising out of or otherwise connected to: acts of war, terrorism, fire, explosion, natural disaster, acts of God, any failure to comply with the Written Materials, inadequate subfloor/substrate, improper preparation or other failure of subfloor/substrate, faulty or negligent penetration of the Products or subfloor/substrate, intentional acts of destruction, structural failure, misuse of or failure to maintain the Products, normal wear and tear, scratches, dents, corrosion or discoloration (whether caused by excessive heat, chemical cleaning products, abrasive agents or otherwise), efflorescence and shading which are a natural occurrence with cementitious materials and are not considered a defective condition for the purposes of this Limited Warranty, variations of texture, color or shade from those on product samples, packaging materials or other marketing materials, or other causes unrelated to the Products (e.g. floor covering failure, excess point loading, overvoltage). This Limited Warranty excludes exterior applications and applications utilizing glass tile or other non-approved floor coverings, unless specifically approved in writing on a case by case basis by the Schluter Systems Technical Services Director.

This Limited Warranty is conditioned and will be considered null and void and Schluter Systems will have the right to refuse any claims if: (a) the Products have been improperly stored or installed, or (b) the Products are subject to abusive or abnormal use, lack of maintenance, or used in a manner other than that for which the Products were designed or in any way contrary to the Written Materials.

DISCLAIMER: There are no warranties beyond this expressed warranty as stated herein. To the extent permitted by law, all other warranties, representations or conditions, expressed or implied, are hereby disclaimed and excluded, including but not limited to the implied warranties of **MERCHANTABILITY** or **FITNESS FOR A PARTICULAR PURPOSE** (as limited to such purposes as described in the Written Materials) or arising from a course of dealing, usage of trade or otherwise by law. ANY IMPLIED WARRANTIES ARISING BY OPERATION OF LAW ARE LIMITED IN DURATION TO THE TERM OF THIS LIMITED WARRANTY. NO REPRESENTATION, PROMISE, AFFIRMATION OR STATEMENT BY ANY EMPLOYEE OR AGENT OF SCHLUTER SYSTEMS WILL BE ENFORCEABLE AGAINST SCHLUTER SYSTEMS UNLESS IT IS SPECIFICALLY INCLUDED IN THIS LIMITED WARRANTY OR AUTHORIZED IN WRITING BY THE SCHLUTER SYSTEMS TECHNICAL SERVICES DIRECTOR. This Limited Warranty is given in lieu of any other warranty, whether expressed or implied. The remedies contained herein are the only remedies available for breach of this Limited Warranty. This Limited Warranty extends only to the Owner and is not transferable or assignable unless authorized by written agreement and signed by the Schluter Systems Technical Services Director or otherwise prohibited by specific state or provincial law. This Limited Warranty gives you specific legal rights; some states and provinces do not allow disclaimers or other restrictions of implied warranties; some of the above disclaimers may not apply to you. **No changes or modifications of any terms or conditions of this Limited Warranty are permitted unless duly authorized in writing by the Schluter Systems Technical Services Director.** This Limited Warranty shall supersede and replace any and all prior oral or written warranties, agreements, or other representations made by or on behalf of Schluter Systems relative to the Products or the application of the Products and shall apply to any installation occurring on or after April 8, 2019. If the Products are used in conjunction with other Schluter products, a different Schluter warranty may apply. For the most current information and materials regarding Schluter Systems warranties and programs, please visit https://www.schluter.com/schluter-us/en_US/downloadfiles.

MAKING A CLAIM: To make a claim under this Limited Warranty, the Owner must provide Schluter Systems[2] with written notice within thirty (30) days of any alleged defect in the Products covered by this Limited Warranty, together with date and proof of purchase of such Products and/or all of its components and name and address of all installers and all invoices related to the original installation, failing which this Limited Warranty shall have no legal effect[3]. Schluter Systems reserves the right at its election and as a condition of this Limited Warranty to inspect the alleged failed and/or defective Products.

All U.S. Claims shall be sent to:

Schluter Systems L.P.
Attn: Warranty Claims Dept.
194 Pleasant Ridge Road
Plattsburgh, NY 12901-5841

All Canadian Claims shall be sent to:

Schluter Systems (Canada), Inc.
Attn: Warranty Claims Dept.
21100 chemin Ste-Marie
Ste-Anne-de-Bellevue, QC H9X 3Y8

[1] If there are any conflicting terms between any Written Materials, the most recently updated document shall be deemed to control.

[2] This Limited Warranty is limited to sales of the Products made in and intended for use in the United States and Canada. For the purposes of this Limited Warranty, Schluter Systems L.P. shall offer warranty coverage to Owners located in the United States, and Schluter Systems (Canada) Inc. shall offer warranty coverage to Owners located in Canada.

[3] In the event that Owner fails to provide such required invoices relating to the original installation, Schluter Systems shall pay Owner an amount equal to the average, reasonable costs of a comparable installation. If the parties fail to agree on such amount, such dispute shall promptly, and in the first instance, be submitted: (a) if a U.S. claim, to arbitration in Clinton County, New York, in accordance with the rules of the American Arbitration Association, or (b) if a Canadian claim, in the Province of Quebec, Canada, in accordance with the ADRIC Arbitration Rules. Any outcome of such arbitration proceeding shall be final and binding upon the parties hereto.

Schluter Systems L.P. • 194 Pleasant Ridge Road, Plattsburgh, NY 12901-5841 • Tel.: 800-472-4588 • Fax: 800-477-9783
Schluter Systems (Canada) Inc. • 21100 chemin Ste-Marie, Ste-Anne-de-Bellevue, QC H9X 3Y8 • Tel.: 800-667-8746 • Fax: 877-667-2410

www.schluter.com

This technical data sheet is subject to change without notice. Please visit www.schluter.com for the latest version.

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04/2019
553098

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

TS-003-SCH

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Transition Strip
Item Type	Metal Edge Trim
Description	Finishing edge-protection profile, metal tile trim.
Manufacturer	Schluter Systems
Model	Jolly
Color	Stainless Steel 316L
Material Composition	Stainless Steel
CSI #	093000 - Tiling
Omniclass #	22-093013
Part of an Assembly	N
Lead Time	To be verified
Warranty	Warranted to be free from manufacturing defects for a period of 5 years from the date of the purchase order

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Schluter Systems
Contact Name: Customer Service
Phone: (888) 472-4588
Email: anielfen@schluter.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Indoor Pool

Schluter® Systems

PROFILE OF INNOVATION

FLOOR PROFILES

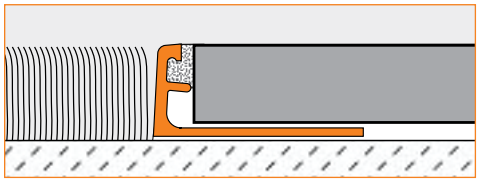
INNOVATIVE SOLUTIONS FOR CERAMIC AND STONE TILE

FINISHING, EDGE PROTECTION, AND TRANSITIONS

Because ceramic and stone tiles are inherently brittle, their exposed edges can chip and crack if left unprotected. Transitions between floor surfaces and at thresholds are particularly vulnerable to damage. Schluter-Systems offers a variety of profiles to provide edge protection and transitioning at thresholds and between adjacent surfaces, resulting in durable, maintenance-free tiled coverings. The profiles can be grouped into two categories: transitions between same-height surfaces and transitions between different-height surfaces

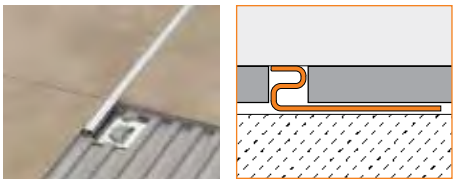
Application and Function

Same-height Transitions

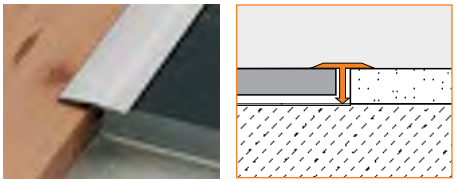


1.1 Schluter®-SCHIENE is designed to provide edging for tile coverings. Typical applications include edge protection where tile is bordered by carpet, at expansion joints, or as a decorative edging for stairs. SCHIENE is available in stainless steel, solid brass, aluminum, and anodized aluminum. The profile features a trapezoid- perforated anchoring leg, which is secured in the mortar bond coat beneath the tile, and an 87° sloped vertical wall section that transfers point loads to the substrate and surface covering while protecting tile edges from damage. SCHIENE, in solid brass, aluminum, and anodized aluminum, features a 5° sloped top flange and fillet at the anchoring leg/vertical section interface to enhance edge protection by reducing stresses on the tile, and, in sizes greater than 1/4" *(6 mm)*, features an integrated joint spacer that establishes a defined joint cavity between the tile and the profile. The anchoring leg of SCHIENE, in all materials, is available with a special radius perforation "R" so that the profile can be used to form curves.

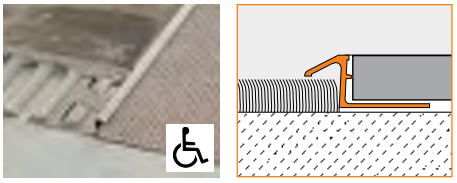
1.1 Schluter®-SCHIENE



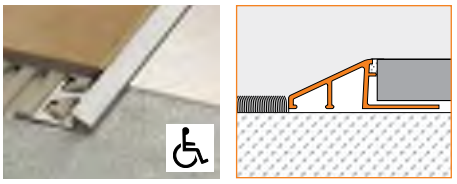
1.6 Schluter®-DECO



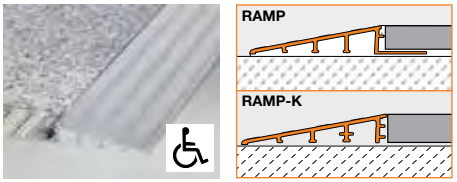
1.3 Schluter®-RENO-T



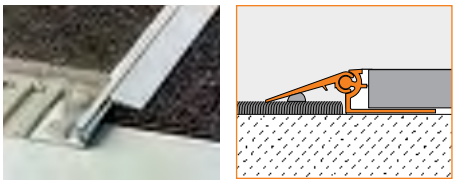
1.4 Schluter®-RENO-TK



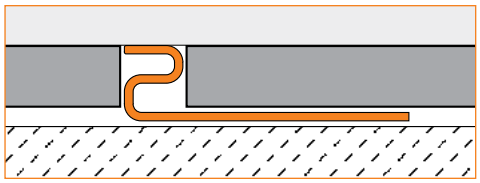
1.2 Schluter®-RENO-U



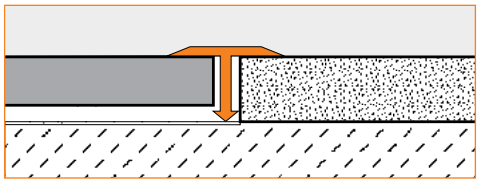
1.8 Schluter®-RENO-RAMP/-K



1.7 Schluter®-RENO-V

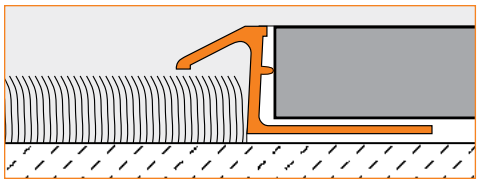


1.6 Schluter®-DECO is designed to provide decorative lines within tile coverings and edge protection at transitions from tile coverings to other same-height surface coverings, such as wood or carpet. The profile is available in stainless steel, solid brass, chrome-plated solid brass, and anodized aluminum. DECO features a trapezoid-perforated anchoring leg, which is secured in the mortar bond coat beneath the tile, and a 1/4" *(6 mm)*-wide visible surface that meets the high aesthetic requirements of showrooms, lobbies, galleries, exhibition booths, etc. The anchoring leg of DECO, in solid brass, chrome-plated solid brass, and anodized aluminum, is available with a special radius perforation "R" so that the profile can be used to form curves. DECO in chrome-plated brass requires a relatively large bending radius.

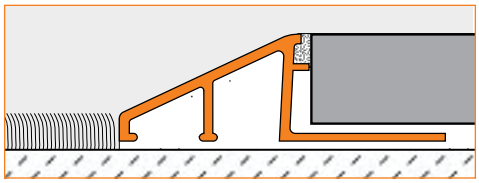


1.3 Schluter®-RENO-T is designed to provide transitions between existing same-height, hard-surface floor coverings (e.g., ceramic tile or natural stone, parquet flooring, concrete pavers, laminate, etc.), primarily in retrofit applications. The profile is available in stainless steel, solid brass, and anodized aluminum. RENO-T is installed within the existing joint cavity and overlaps adjoining surface materials, thus preventing edges from becoming damaged when subjected to mechanical stress. RENO-T, in brass and anodized aluminum size 9/14, is flexible in the lateral direction and can be used in curved applications.

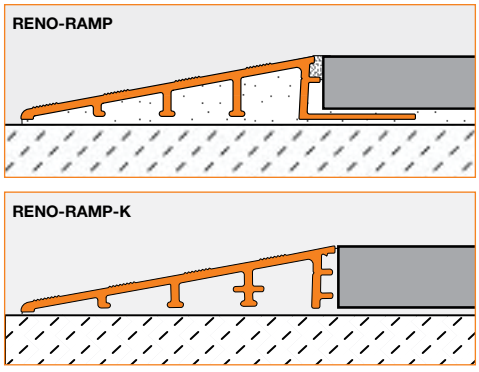
Different-height Transitions



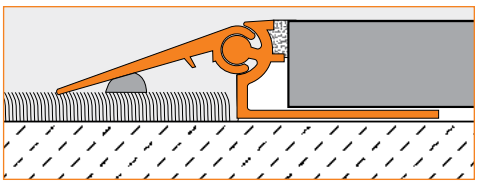
1.4 Schluter®-RENO-TK is designed to provide a smooth transition from tile coverings to floor coverings at lower elevations, typically carpet. The profile is available in stainless steel, solid brass, and anodized aluminum. RENO-TK features a trapezoid-perforated anchoring leg, which is secured in the mortar bond coat beneath the tile, and a sloped surface to eliminate trip hazards and protect tile edges. The 1/4" *(6 mm)* channel beneath the sloped flange of the profile hides and protects the cut edge of lower adjoining surface coverings. All sizes of the RENO-TK are compliant with the Americans with Disabilities Act (ADA). RENO-TK, in anodized aluminum, features an integrated joint spacer that establishes a defined joint cavity between the tile and the profile. The anchoring leg of RENO-TK, in solid brass and anodized aluminum, sizes 60 to 100, is available with a special radius perforation "R" so that the profile can be used to form curves.



1.2 Schluter®-RENO-U is designed to provide a smooth transition between tile coverings and floor coverings at lower elevations or finished concrete. The profile is available in stainless steel, solid brass, and anodized aluminum. RENO-U features a trapezoid-perforated anchoring leg, which is secured in the mortar bond coat beneath the tile, and a sloped surface (approximately 25°) that eliminates trip hazards and protects tile edges. The leading edge of the profile abuts the lower surface covering, typically VCT. RENO-U, in aluminum, features an integrated joint spacer that establishes a defined joint cavity between the tile and the profile. In installations where the leading edge abuts a lower surface covering, all sizes of RENO-U, except the 3/4" *(20 mm)* and 11/16" *(17.5 mm)*, are compliant with the Americans with Disabilities Act (ADA). In installations where the leading edge rests on top of the lower floor covering (e.g., finished concrete), the 3/4" *(20 mm)*, 11/16" *(17.5 mm)*, and 9/16" *(15 mm)* sizes are not ADA-compliant.
Note: When using Schluter® uncoupling membranes with RENO-U profiles, factor in the thickness of the membrane over the anchoring leg when selecting the profile height.



1.8 Schluter®-RENO-RAMP is designed to provide a smooth transition between tile coverings and floor coverings at lower elevations or finished concrete, particularly in commercial applications where wheel carts are used (e.g., bakeries, hospitals, etc.). The profile is available in anodized aluminum. RENO-RAMP features a trapezoid-perforated anchoring leg, which is secured in the mortar bond coat beneath the tile, and a sloped transition surface that terminates at the height of the tile edge. The profile protects tile edges and provides a sloped surface to eliminate trip hazards and allow easy access for wheel carts. RENO-RAMP features an integrated joint spacer that establishes a defined joint cavity between the tile and the profile.
Note: When using Schluter® uncoupling membranes with RENO-RAMP profiles, factor in the thickness of the membrane over the anchoring leg when selecting the profile height.
Schluter®-RENO-RAMP-K is a variant of the profile without an anchoring leg. RENO-RAMP-K is installed adjacent to existing floor coverings, e.g., retrofitting between existing floor coverings and bare concrete without having to disturb the existing flooring. All sizes of RENO-RAMP, except sizes 9/16" *(15 mm)* and 3/4" *(20 mm)*, are compliant with the Americans with Disabilities Act (ADA).



1.7 Schluter®-RENO-V is designed to provide a smooth transition between tile coverings and floor coverings at lower elevations. The profile is available in anodized aluminum. RENO-V features a trapezoid-perforated anchoring leg, which is secured in the mortar bond coat beneath the tile, and a movable transition arm that allows the profile to adjust to the height of the adjacent floor covering via a ball-and-socket joint. The profile protects tile edges and provides a sloped surface to eliminate trip hazards. RENO-V features an integrated joint spacer that establishes a defined joint cavity between the tile and the profile. RENO-V is also suitable for heavy-duty applications (e.g., entrances to garages or loading docks). In such cases, the adjustable arm is backfilled with mortar.

Material Properties and Areas of Application

Schluter edge-protection and transition profiles are resistant to most chemicals encountered in tiled environments. In special cases, the suitability of a proposed type of profile must be verified based on the anticipated chemical, mechanical, and/or other stresses. Exceptions and special considerations are listed below:

Stainless steel profiles are roll-formed, resulting in a slightly different contour from those made of extruded brass or aluminum. Stainless steel can sustain high mechanical stresses and is particularly well suited for applications requiring resistance against chemicals and acids; for example in the food industry, breweries, dairies, commercial kitchens, and hospitals, as well as in residential applications. Typically, the profiles are formed using stainless steel 304 (1.4301 = V2A). For more severe chemical exposure, such as de-icing salts and chemicals used in swimming pools, we recommend the use of stainless steel 316 L (1.4404 = V4A), which offers even higher corrosion resistance than the 304. Even stainless steel cannot withstand all chemical exposures, such as hydrochloric acid, hydrofluoric acid or certain chlorine, chloride, and brine concentrations.

Chrome-plated solid brass is ideal for matching chrome fixtures. Surfaces must be protected against abrasion or scratching.

Solid brass can sustain high mechanical stresses, as well as most chemicals commonly encountered in tiled environments. Solid brass that is exposed to air will oxidize, resulting in a natural patina. If exposed to moisture or aggressive substances, heavy oxidation and spotting may occur.

Aluminum profiles must be tested to verify their suitability if chemical stresses are anticipated. Cementitious materials, in conjunction with moisture, become alkaline. Since aluminum is sensitive to alkaline substances, exposure to the alkali (depending on the concentration and duration of exposure) may result in corrosion (aluminum hydroxide formation). Therefore, it is important to remove mortar or grout residue from visible surfaces. In addition, ensure that the profile is solidly embedded in the setting material and that all cavities are filled to prevent the collection of alkaline water.

Anodized aluminum profiles feature an anodized layer that retains a uniform appearance during normal use, but is not color-stable in exterior applications. The surface is susceptible to scratching and wear and may be damaged by grout or setting material. Therefore, these materials must be removed immediately. Otherwise, the description regarding aluminum applies.

Cutting Profiles

Observe all safety instructions and standards as directed by the cutting tool manufacturer, including protective eyewear, hearing protection, and gloves.

Always measure carefully and dry fit the profiles, corners, and connectors to ensure proper fit and alignment prior to setting tile.

Aluminum profiles may be cut using any of the following options:

- **Hacksaw** with a bimetal blade and the highest teeth per inch (TPI) available.
- **Variable-Speed Angle Grinder** set to the lowest speed using the Schluter®-PROCUT-TSM cutting wheel.
- **Chop saw or Miter Saw** with a non-ferrous blade.

Regardless of the cutting tool used, remove any burrs from the cut end of the profile with a file or similar before installation.

Stainless steel profiles may be cut using any of the following options:

- **Variable-Speed Angle Grinder** set to the lowest speed using the Schluter®-PROCUT-TSM cutting wheel.
- **Band Saw** with a metal cutting blade.

Regardless of the cutting tool used, remove any burrs from the cut end of the profile with a file or similar before installation.

Installation

SCHIENE, JOLLY, DECO, RENO-TK, RENO-U, RENO-RAMP, and RENO-V

1. Select the profile according to tile thickness and format.

   Note: When using Schluter® uncoupling membranes with RENO-U and RENO-RAMP profiles, factor in the thickness of the membrane over the anchoring leg when selecting the profile height.
2. Using a notched trowel, apply thin-set mortar to the area where the profile is to be placed.

   For RENO-U and RENO-RAMP, fill the cavity beneath the sloped section of the profile with thin-set mortar. Follow this step when RENO-V is used in heavy-duty applications, as well.
3. Press the perforated anchoring leg of the profile into the mortar and align.
4. Trowel additional thin-set mortar over the perforated anchoring leg to ensure full coverage and support of the tile edges.
5. Solidly embed the tiles so that the tiled surface is flush with the top of the profile; the profile should not be higher than the tiled surface, but rather up to approx. 1/32" *(1 mm)* lower.
6. Set the tile to the integrated joint spacer, which ensures a uniform joint of 1/16" - 1/8" *(1.5 - 3 mm)*. For DECO and stainless steel profiles, leave a space of approximately 1/16" - 1/8" *(1.5 - 3 mm).*
7. Fill the joint completely with grout or setting material.
8. Remove grout or mortar residue from the visible surface of the profile.

RENO-RAMP-K

1. Fill the cavity beneath the sloped section of the profile with thin-set mortar.
2. Using a notched trowel, apply thin-set mortar to the area where the profile is to be placed.
3. Press the profile into the mortar and abut to the adjacent floor covering. The profile should not be higher than the adjacent floor covering, but rather up to approx. 1/32" *(1 mm)* lower.
4. Fill the joint completely with grout or setting material.
5. Work with materials and tools that will not scratch or damage sensitive surfaces. Setting materials must be removed immediately.

RENO-T

1. Select the profile according to joint width, to ensure proper support of the lateral crosspiece.
2. The joint cavity must be at least 3/8" *(9 mm)* deep and free of debris. Substances that inhibit adhesion must be removed from the sides of the joint.

3. Fill the joint with elastomeric sealant such as Schluter®-KERDI-FIX or similar. Then insert the vertical leg of RENO-T in the joint so that the lateral crosspiece rests completely on the edges of the surface coverings.
4. Remove any excess sealant with a suitable cleaner.

Maintenance

Schluter edge-protection and transition profiles require no special maintenance or care and are resistant to mold and fungi. Clean profiles periodically using neutral cleaning agents.

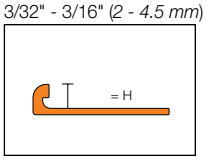
Stainless steel surfaces exposed to the environment or aggressive substances should be cleaned periodically using a mild household cleaner. Regular cleaning maintains the neat appearance of stainless steel and reduces the risk of corrosion. All cleaning agents must be free of hydrochloric acid, hydrofluoric acid, and chlorides. Stainless steel surfaces develop a sheen when treated with a chrome-polishing agent.

Oxidation films on exposed **solid brass** or **aluminum** can be removed by using a conventional polishing agent, but will form again.

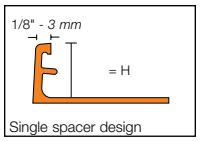
In the case of **anodized aluminum**, **color-coated aluminum,** and **chrome-plated solid brass**, do not use abrasive cleaning agents.

Product Item Numbers

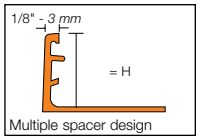
Aluminum, Brass
3/32" - 3/16" (*2 - 4.5 mm*)



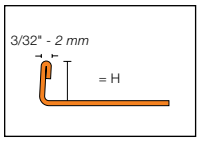
1/4" - 1/2" (*6 - 12.5 mm*)

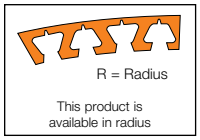


17/32" - 1-3/16" (*14 - 30 mm*)



Stainless steel





1.1 Schluter®-SCHIENE

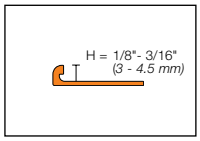
H = mm - *in.*	Item No.					
	Stainless steel 316L (1.4404 = V4A) (E/V4A)	Stainless steel 304 (1.4301 = V2A) (E)	Brushed stainless steel 304 (1.4301 = V2A) (EB)	Solid brass (M)	Aluminum (A)	Satin anodized aluminum (AE)
2 - *3/32*	-	E 20	-	-	A 20	AE 20
3 - *1/8*	-	E 30	-	M 30	A 30	AE 30
4.5 - *3/16*	E 45/V4A	E 45	-	M 45	A 45	AE 45
6 - *1/4*	E 60/V4A	E 60	E 60 EB	M 60	A 60	AE 60
7 - *9/32*	-	E 70	-	-	A 70	AE 70
8 - *5/16*	E 80/V4A	E 80	E 80 EB	M 80	A 80	AE 80
9 - *11/32*	-	E 90	-	M 90	A 90	AE 90
10 - *3/8*	E 100/V4A	E 100	E 100 EB	M 100	A 100	AE 100
11 - *7/16*	-	E 110	E 110 EB	M 110	A 110	AE 110
12.5 - *1/2*	E 125/V4A	E 125	E 125 EB	M 125	A 125	AE 125
14 - *17/32*	-	E 140	-	-	A 140	AE 140
15 - *9/16*	E 150/V4A	E 150	-	M 150	A 150	AE 150
16 - *5/8*	-	E 160	-	M 160	A 160	AE 160
17.5 - *11/16*	E 175/V4A	E 175	-	M 175	A 175	AE 175
20 - *3/4*	E 200/V4A	E 200	-	M 200	A 200	AE 200
21 - *13/16*	-	-	-	-	A 210	AE 210
22.5 - *7/8*	E 225/V4A	E 225	-	M 225	A 225	AE 225
25 - *1*	E 250/V4A	E 250	-	M 250	A 250	AE 250
27.5 - *1-1/16*	-	-	-	-	A 275	AE 275
30 - *1-3/16*	E 300/V4A	E 300	-	M 300	A 300	AE 300

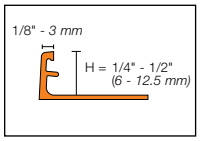
Length supplied: 8' 2-1/2" — *2.5 m*

1.1 Schluter®-SCHIENE

Length = 3.05 m - 10'

H = mm - *in.*	Item No.	
	Stainless steel 304 (1.4301 = V2A) (E)	Satin anodized aluminum (AE)
8 - *5/16*	E 80/300	AE 80/300
10 - *3/8*	E 100/300	AE 100/300
12.5 - *1/2*	E 125/300	AE 125/300





Notes:
- Radius available for JOLLY in metal profiles only.
- JOLLY in polished aluminum and chrome-plated brass require a relatively large bending radius.

2.3 Schluter®-JOLLY

H = mm - *in.*	Item No.					
	Satin brass anodized aluminum (AM)	Brushed brass anodized aluminum (AMGB)	Satin copper anodized aluminum (AK)	Brushed copper anodized aluminum (AKGB)	Satin nickel anodized aluminum (AT)	Brushed nickel anodized aluminum (ATGB)
6 - *1/4*	A 60 AM	A 60 AMGB	A 60 AK	A 60 AKGB	A 60 AT	A 60 ATGB
8 - *5/16*	A 80 AM	A 80 AMGB	A 80 AK	A 80 AKGB	A 80 AT	A 80 ATGB
10 - *3/8*	A 100 AM	A 100 AMGB	A 100 AK	A 100 AKGB	A 100 AT	A 100 ATGB
12.5 - *1/2*	A 125 AM	A 125 AMGB	A 125 AK	A 125 AKGB	A 125 AT	A 125 ATGB

H = mm - *in.*	Item No.					
	Brushed antique bronze anodized aluminum (ABGB)	Brushed chrome anodized aluminum (ACGB)	Polished chrome anodized aluminum (ACG)	Polished copper anodized aluminum (AKG)	Polished nickel anodized aluminum (ATG)	Polished brass anodized aluminum (AMG)
6 - *1/4*	A 60 ABGB	A 60 ACGB	A 60 ACG	A 60 AKG	A 60 ATG	A 60 AMG
8 - *5/16*	A 80 ABGB	A 80 ACGB	A 80 ACG	A 80 AKG	A 80 ATG	A 80 AMG
10 - *3/8*	A 100 ABGB	A 100 ACGB	A 100 ACG	A 100 AKG	A 100 ATG	A 100 AMG
12.5 - *1/2*	A 125 ABGB	A 125 ACGB	A 125 ACG	A 125 AKG	A 125 ATG	A 125 AMG

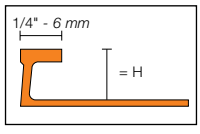
Length supplied: 8' 2-1/2" — *2.5 m*

2.3 Schluter®-JOLLY

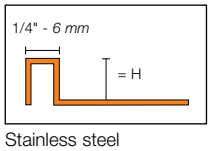
Length = 3.05 m - 10'

H = mm - *in.*	Item No.		
	Satin nickel anodized aluminum (AT)	Brushed antique bronze anodized aluminum (ABGB)	Polished chrome anodized aluminum (ACG)
8 - *5/16*	A 80 AT/300	A 80 ABGB/300	A 80 ACG/300
10 - *3/8*	A 100 AT/300	A 100 ABGB/300	A 100 ACG/300
12.5 - *1/2*	A 125 AT/300	A 125 ABGB/300	A 125 ACG/300

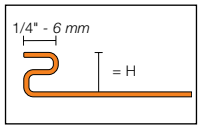
Aluminum & MC 80 D



Brass



Stainless steel



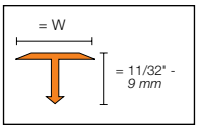
1.6 Schluter®-DECO

H = mm - *in.*	Item No.			
	Stainless steel 304 (1.4301 = V2A) (E)	Solid brass (M)	Chrome-plated solid brass (MC)	Satin anodized aluminum (AE)
8 - *5/16*	E 80 D	-	MC 80 D	AE 80 D
9 - *11/32*	E 90 D	M 90 D	MC 90 D	-
10 - *3/8*	E 100 D	-	-	AE 100 D
11 - *7/16*	E 110 D	M 110 D	MC 110 D	-
12.5 - *1/2*	E 125 D	M 125 D	MC 125 D	AE 125 D
14 - *17/32*	E 140 D	-	-	-
16 - *5/8*	E 160 D	-	-	-
18.5 - *23/32*	E 185 D	-	-	-
21 - *13/16*	E 210 D	-	-	-
25 - *1*	E 250 D	-	-	-
30 - 1-*3/16*	E 300 D	-	-	-

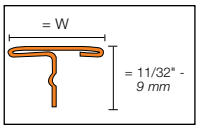
Length supplied: 8' 2-1/2" — *2.5 m*

Note: Only the brass and aluminum DECO are available in radius.

Aluminum, Brass



Stainless steel

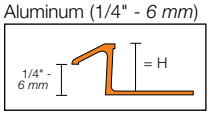


1.3 Schluter®-RENO-T

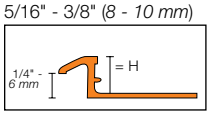
W = mm - *in.*	Item No. Stainless steel 304 (1.4301 = V2A) (E)	Brushed stainless steel 304 (1.4301 = V2A) (EB)	Solid brass (M)	Satin anodized aluminum (AE)	Satin nickel anodized aluminum (AT)	Satin copper anodized aluminum (AK)	Satin brass anodized aluminum (AM)
14 - *9/16*	T 9/14 E	T 9/14 EB	T 9/14 M	T 9/14 AE	T 9/14 AT	T 9/14 AK	T 9/14 AM
25 - *1*	T 9/25 E	T 9/25 EB	T 9/25 M	T 9/25 AE	T 9/25 AT	T 9/25 AK	T 9/25 AM

Length supplied: 8' 2-1/2" — *2.5 m*

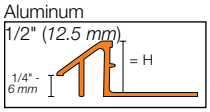
Aluminum (1/4" - *6 mm*)



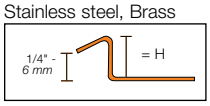
Aluminum 5/16" - 3/8" (*8 - 10 mm*)



Aluminum 1/2" (*12.5 mm*)



Stainless steel, Brass



1.4 Schluter®-RENO-TK

H = mm - *in.*	Item No. Stainless steel 304 (1.4301 = V2A) (E)	Brushed stainless steel 304 (1.4301 = V2A) (EB)	Solid brass (M)	Satin anodized aluminum (AE)	Bright chrome anodized aluminum (ACB)	Satin nickel anodized aluminum (AT)	Brushed nickel anodized aluminum (ATGB)
6 - *1/4*	-	-	-	AETK 60	ATK 60 ACB	ATK 60 AT	-
8 - *5/16*	ETK 80	EBTK 80	MTK 80	AETK 80	ATK 80 ACB	ATK 80 AT	ATK 80 ATGB
10 - *3/8*	ETK 100	EBTK 100	MTK 100	AETK 100	ATK 100 ACB	ATK 100 AT	ATK 100 ATGB
11 - *7/16*	ETK 110	EBTK 110	-	-	-	-	-
12.5 - *1/2*	ETK 125	EBTK 125	MTK 125	AETK 125	ATK 125 ACB	ATK 125 AT	ATK 125 ATGB

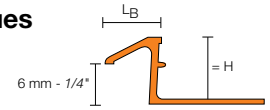
H = mm - *in.*	Item No. Satin copper anodized aluminum (AK)	Brushed copper anodized aluminum (AKGB)	Brushed antique bronze anodized aluminum (ABGB)	Bright brass anodized aluminum (AMB)
6 - *1/4*	ATK 60 AK	-	-	ATK 60 AMB
8 - *5/16*	ATK 80 AK	ATK 80 AKGB	ATK 80 ABGB	ATK 80 AMB
10 - *3/8*	ATK 100 AK	ATK 100 AKGB	ATK 100 ABGB	ATK 100 AMB
12.5 - *1/2*	ATK 125 AK	ATK 125 AKGB	ATK 125 ABGB	ATK 125 AMB

Length supplied: 8' 2-1/2" — *2.5 m*

ADA-Compliant

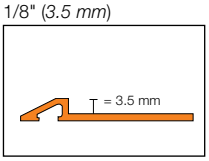
Note: Only the brass and aluminum RENO-TK are available in radius (sizes 60 - 100).

Diagram Values

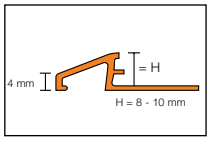


H = mm - *in.*	L_B = mm - in. Aluminum	Stainless steel/ Brass
6 - *1/4*	7.5 - *19/64*	-
8 - *5/16*	8.5 - *21/64*	7 - *9/32*
10 - *3/8*	8.5 - *21/64*	11 - *7/16*
11 - *7/16*	-	13.5 - *17/32*
12.5 - *1/2*	15.5 - *39/64*	16.5 - *21/32*

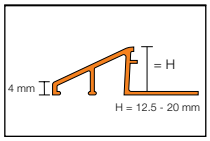
Aluminum
1/8" (*3.5 mm*)



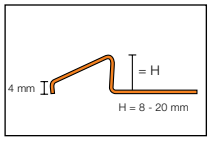
5/16" - 3/8" (*8 - 10 mm*)



1/2" - 3/4" (*12.5 - 20 mm*)



Stainless steel, Brass



1.2 Schluter®-RENO-U

H = mm - *in.*	Item No. Stainless steel 304 (1.4301 = V2A) (E)	Brushed stainless steel 304 (1.4301 = V2A) (EB)	Solid brass (M)	Satin anodized aluminum (AE)	Bright chrome anodized aluminum (ACB)	Satin nickel anodized aluminum (AT)	Brushed nickel anodized aluminum (ATGB)
3.5 - *1/8*	-	-	-	AEU 35	-	-	-
8 - *5/16*	EU 80	EBU 80	MU 80	AEU 80	AU 80 ACB	AU 80 AT	AU 80 ATGB
10 - *3/8*	EU 100	EBU 100	MU 100	AEU 100	AU 100 ACB	AU 100 AT	AU 100 ATGB
11 - *7/16*	EU 110	EBU 110	-	-	-	-	-
12.5 - *1/2*	EU 125	EBU 125	MU 125	AEU 125	AU 125 ACB	AU 125 AT	AU 125 ATGB
15 - *9/16*	EU 150	EBU 150	MU 150	AEU 150	-	-	-
17.5 - *11/16*	EU 175	EBU 175	-	AEU 175	-	-	-
20 - *3/4*	EU 200	EBU 200	-	-	-	-	-

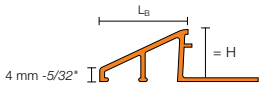
H = mm - *in.*	Item No. Satin copper anodized aluminum (AK)	Brushed copper anodized aluminum (AKGB)	Brushed antique bronze anodized aluminum (ABGB)	Satin brass anodized aluminum (AM)	Bright brass anodized aluminum (AMB)
8 - *5/16*	AU 80 AK	AU 80 AKGB	AU 80 ABGB	AU 80 AM	AU 80 AMB
10 - *3/8*	AU 100 AK	AU 100 AKGB	AU 100 ABGB	AU 100 AM	AU 100 AMB
12.5 - *1/2*	AU 125 AK	AU 125 AKGB	AU 125 ABGB	AU 125 AM	AU 125 AMB

Length supplied: 8' 2-1/2" — *2.5 m*

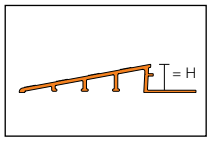
ADA-Compliant

Note: When leading edge abuts lower surface covering, sizes 3/4" *(20 mm)* and 11/16" *(17.5 mm)* are not ADA-compliant. When leading edge rests on top of lower surface covering, sizes 3/4" *(20 mm)*, 9/16" *(15 mm)*, and 11/16" *(12.5 mm)* are not ADA-compliant.

Diagram Values



H = mm - *in.*	L_B = mm - *in.* Aluminum	Stainless steel/Brass
3.5 - *1/8*	9 - 23/64	-
8 - *5/16*	12.5 - 31/64	13 - *33/64*
10 - *3/8*	16.5 - 21/32	17.5 - *11/16*
11 - *7/16*	-	19.5 - *49/64*
12.5 - *1/2*	22 - 55/64	23 - *29/32*
15 - *9/16*	27.5 - 1-5/64	28 - *1-7/64*
17.5 - *11/16*	27 - 1-1/16	33.5 - *1-5/16*
20 - *3/4*	*31.5 - 1-15/64*	40 - *1-37/64*



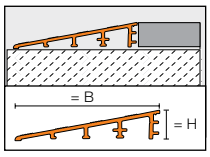
1.8 Schluter®-RENO-RAMP

H = mm - *in.*	Item No. Satin anodized aluminum (AE)
B = 50 mm - *2"*	
6 - *1/4*	AERP 60 B50
B = 64 mm - *2-1/2"*	
10 - *3/8*	AERP 100 B65
12.5 - *1/2*	AERP 125 B65
B = 89 mm - *3-1/2"*	
12.5 - *1/2*	AERP 125 B90
15 - *9/16*	AERP 150 B90
20 - *3/4*	AERP 200 B90

Length supplied: 8' 2-1/2" — *2.5 m*

ADA-Compliant

Note: RENO-RAMP sizes 3/4" - *20 mm* and 9/16" - *15 mm* are not ADA-compliant.



B = 64 mm - *2-1/2"*

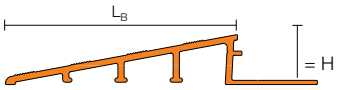
1.8 Schluter®-RENO-RAMP-K

H = mm - *in.*	Item No. Satin anodized aluminum (AE)
B = 64 mm - *2-1/2"*	
12.5 - *1/2*	AERPK 125 B65

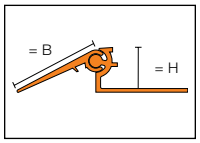
Length supplied: 8' 2-1/2" — *2.5 m*

Diagram Values

Length supplied: 8' 2-1/2" — *2.5 m*



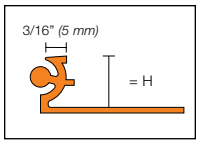
H = mm - *in.*	L_B = mm - *in.*
6 - *1/4*	50 - *2*
10 - *3/8*	64 - *2-1/2*
12.5 - *1/2*	*64* - *2-1/2*
12.5 - *1/2*	89 - *3-1/2*
15 - *9/16*	89 - *3-1/2*
20 - *3/4*	89 - *3-1/2*



1.7 Schluter®-RENO-V

H = mm - *in.*	Item No. Satin anodized aluminum (AE)	Satin brass anodized aluminum (AM)
B = 20 mm - *3/4*"		
8 - *5/16*	AEVT 80 B20	AVT 80 B20 AM
10 - *3/8*	AEVT 100 B20	AVT 100 B20 AM
12.5 - *1/2*	AEVT 125 B20	AVT 125 B20 AM
15 - *9/16*	AEVT 150 B20	AVT 150 B20 AM
17.5 - *11/16*	AEVT 175 B20	AVT 175 B20 AM
20 - *3/4*	AEVT 200 B20	AVT 200 B20 AM
B = 30 mm - *1-3/16*"		
8 - *5/16*	AEVT 80 B30	AVT 80 B30 AM
10 - *3/8*	AEVT 100 B30	AVT 100 B30 AM
12.5 - *1/2*	AEVT 125 B30	AVT 125 B30 AM
15 - *9/16*	AEVT 150 B30	AVT 150 B30 AM
17.5 - *11/16*	AEVT 175 B30	AVT 175 B30 AM
20 - *3/4*	AEVT 200 B30	AVT 200 B30 AM
B = 40 mm - *1-9/16*"		
8 - *5/16*	AEVT 80 B40	AVT 80 B40 AM
10 - *3/8*	AEVT 100 B40	AVT 100 B40 AM
12.5 - *1/2*	AEVT 125 B40	AVT 125 B40 AM
15 - *9/16*	AEVT 150 B40	AVT 150 B40 AM
17.5 - *11/16*	AEVT 175 B40	AVT 175 B40 AM
20 - *3/4*	AEVT 200 B40	AVT 200 B40 AM

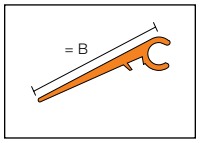
Length supplied: 8' 2-1/2" — *2.5 m*



1.7 Schluter®-RENO-VT

H = mm - *in.*	Item No. Satin anodized aluminum (AE)	Satin brass anodized aluminum (AM)
8 - *5/16*	AEVT 80	AVT 80 AM
10 - *3/8*	AEVT 100	AVT 100 AM
12.5 - *1/2*	AEVT 125	AVT 125 AM
15 - *9/16*	AEVT 150	AVT 150 AM
17.5 - *11/16*	AEVT 175	AVT 175 AM
20 - *3/4*	AEVT 200	AVT 200 AM

Length supplied: 8' 2-1/2" — *2.5 m*



1.7 Schluter®-RENO-VB

B = mm - *in.*	Item No. Satin anodized aluminum (AE)	Satin brass anodized aluminum (AM)
20 - *3/4*	AEVB 20	AVB 20 AM
30 - *1-3/16*	AEVB 30	AVB 30 AM
40 - *1-9/16*	AEVB 40	AVB 40 AM

Length supplied: 8' 2-1/2" — *2.5 m*

Schluter® Systems Floor Profiles 5-Year Limited Warranty

LIMITED WARRANTY COVERAGE: Subject to the conditions and limitations as stated in this **Schluter® Systems Floor Profiles 5-Year Limited Warranty** (the "**Limited Warranty**"), Schluter Systems warrants that its Schluter®-SCHIENE, Schluter®-JOLLY, Schluter®-RENO-TK, Schluter®-DECO, Schluter®-RENO-U, Schluter®-RENO-T, Schluter®-RENO-RAMP, Schluter®-RENO-RAMP-K, and Schluter®-RENO-V (collectively, the "**Products**") will be free from manufacturing defects and will perform as described in the Schluter Systems Floor Profiles Technical Data Sheet (collectively, the "**Written Materials**"[1]) for a period of five (5) years from the date of purchase when installed and used in accordance with the terms and conditions of the Written Materials and industry standard guidelines that are not in conflict with the Written Materials in effect at the time of installation.

For the purposes of this Limited Warranty, "**Owner**" is defined as the original end user of the property in which the Products are installed; and "**Tile Assembly**" is defined to include the Products, non-reusable flooring surfaces, and applicable setting and grouting materials.

This Limited Warranty is only applicable to installations in the United States of America and Canada. Schluter Systems is not responsible or liable under any circumstances for determining the suitability of the Products for the Owner's intended purpose. It is the responsibility of the Owner to consult with an experienced and professional installer to ensure the suitability of the Products, subfloor/substrate and all building materials in the installation and that the Written Materials are followed properly.

RESOLUTION: If the Products are installed and used in accordance with the terms and conditions as described hereinabove and such Products are proven defective within the applicable warranty term, the Owner's exclusive remedy and the sole obligation of Schluter Systems, at its election, shall be to (a) reinstall or replace the failed portion of the Tile Assembly or (b) pay an amount not to exceed the original square foot cost of the installation of the Tile Assembly verified to be defective. Due to conditions beyond the control of Schluter Systems (e.g., color and shade availability, discontinuation, normal wear and tear), Schluter Systems cannot guarantee or warrant an exact match to the specific tile, stone, or other flooring materials used in the original installation. In such event, substantially similar materials may be substituted.

EXCLUSIONS FROM COVERAGE: This Limited Warranty excludes and in no event shall Schluter Systems have any liability for any indirect, special, incidental, punitive, exemplary, or consequential damages, including lost profits, arising out of or otherwise connected to the failure of the Products or Tile Assembly, regardless of any strict liability or active or passive negligence of Schluter Systems, and regardless of legal theory, whether in contract, tort, extra-contractual or other. This Limited Warranty further excludes any loss or damage arising out of or otherwise connected to: acts of war, terrorism, fire, explosion, natural disaster, acts of God, any failure to comply with the Written Materials, inadequate subfloor/substrate, improper preparation or other failure of subfloor/substrate, faulty or negligent penetration of the Products or subfloor/substrate, intentional acts of destruction, structural failure, misuse of or failure to maintain the Products, normal wear and tear, scratches, dents, corrosion or discoloration (whether caused by excessive heat, chemical cleaning products, abrasive agents or otherwise), efflorescence and shading which are a natural occurrence with cementitious materials and are not considered a defective condition for the purposes of this Limited Warranty, variations of texture, color or shade from those on product samples, packaging materials or other marketing materials, or other causes unrelated to the Products (e.g. floor covering failure, excess point loading, overvoltage). This Limited Warranty excludes exterior applications and applications utilizing glass tile or other non-approved floor coverings, unless specifically approved in writing on a case by case basis by the Schluter Systems Technical Services Director.

This Limited Warranty is conditioned and will be considered null and void and Schluter Systems will have the right to refuse any claims if: (a) the Products have been improperly stored or installed, or (b) the Products are subject to abusive or abnormal use, lack of maintenance, or used in a manner other than that for which the Products were designed or in any way contrary to the Written Materials.

DISCLAIMER: There are no warranties beyond this expressed warranty as stated herein. To the extent permitted by law, all other warranties, representations or conditions, expressed or implied, are hereby disclaimed and excluded, including but not limited to the implied warranties of **MERCHANTABILITY** or **FITNESS FOR A PARTICULAR PURPOSE** (as limited to such purposes as described in the Written Materials) or arising from a course of dealing, usage of trade or otherwise by law. ANY IMPLIED WARRANTIES ARISING BY OPERATION OF LAW ARE LIMITED IN DURATION TO THE TERM OF THIS LIMITED WARRANTY. NO REPRESENTATION, PROMISE, AFFIRMATION OR STATEMENT BY ANY EMPLOYEE OR AGENT OF SCHLUTER SYSTEMS WILL BE ENFORCEABLE AGAINST SCHLUTER SYSTEMS UNLESS IT IS SPECIFICALLY INCLUDED IN THIS LIMITED WARRANTY OR AUTHORIZED IN WRITING BY THE SCHLUTER SYSTEMS TECHNICAL SERVICES DIRECTOR. This Limited Warranty is given in lieu of any other warranty, whether expressed or implied. The remedies contained herein are the only remedies available for breach of this Limited Warranty. This Limited Warranty extends only to the Owner and is not transferable or assignable unless authorized by written agreement and signed by the Schluter Systems Technical Services Director or otherwise prohibited by specific state or provincial law. This Limited Warranty gives you specific legal rights; some states and provinces do not allow disclaimers or other restrictions of implied warranties; some of the above disclaimers may not apply to you. **No changes or modifications of any terms or conditions of this Limited Warranty are permitted unless duly authorized in writing by the Schluter Systems Technical Services Director.** This Limited Warranty shall supersede and replace any and all prior oral or written warranties, agreements, or other representations made by or on behalf of Schluter Systems relative to the Products or the application of the Products and shall apply to any installation occurring on or after April 8, 2019. If the Products are used in conjunction with other Schluter products, a different Schluter warranty may apply. For the most current information and materials regarding Schluter Systems warranties and programs, please visit https://www.schluter.com/schluter-us/en_US/downloadfiles.

MAKING A CLAIM: To make a claim under this Limited Warranty, the Owner must provide Schluter Systems[2] with written notice within thirty (30) days of any alleged defect in the Products covered by this Limited Warranty, together with date and proof of purchase of such Products and/or all of its components and name and address of all installers and all invoices related to the original installation, failing which this Limited Warranty shall have no legal effect[3]. Schluter Systems reserves the right at its election and as a condition of this Limited Warranty to inspect the alleged failed and/or defective Products.

All U.S. Claims shall be sent to:

Schluter Systems L.P.
Attn: Warranty Claims Dept.
194 Pleasant Ridge Road
Plattsburgh, NY 12901-5841

All Canadian Claims shall be sent to:

Schluter Systems (Canada), Inc.
Attn: Warranty Claims Dept.
21100 chemin Ste-Marie
Ste-Anne-de-Bellevue, QC H9X 3Y8

[1] If there are any conflicting terms between any Written Materials, the most recently updated document shall be deemed to control.

[2] This Limited Warranty is limited to sales of the Products made in and intended for use in the United States and Canada. For the purposes of this Limited Warranty, Schluter Systems L.P. shall offer warranty coverage to Owners located in the United States, and Schluter Systems (Canada) Inc. shall offer warranty coverage to Owners located in Canada.

[3] In the event that Owner fails to provide such required invoices relating to the original installation, Schluter Systems shall pay Owner an amount equal to the average, reasonable costs of a comparable installation. If the parties fail to agree on such amount, such dispute shall promptly, and in the first instance, be submitted: (a) if a U.S. claim, to arbitration in Clinton County, New York, in accordance with the rules of the American Arbitration Association, or (b) if a Canadian claim, in the Province of Quebec, Canada, in accordance with the ADRIC Arbitration Rules. Any outcome of such arbitration proceeding shall be final and binding upon the parties hereto.

Schluter Systems L.P. • 194 Pleasant Ridge Road, Plattsburgh, NY 12901-5841 • Tel.: 800-472-4588 • Fax: 800-477-9783
Schluter Systems (Canada) Inc. • 21100 chemin Ste-Marie, Ste-Anne-de-Bellevue, QC H9X 3Y8 • Tel.: 800-667-8746 • Fax: 877-667-2410

www.schluter.com

This technical data sheet is subject to change without notice. Please visit www.schluter.com for the latest version.

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04/2019
553098

Trim

Wood Base

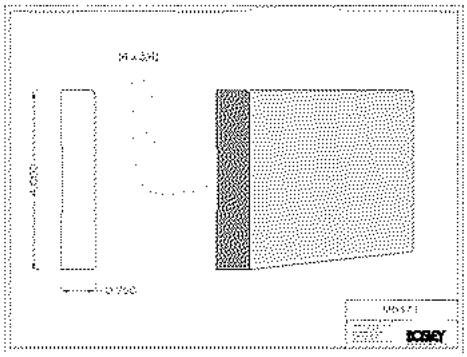
Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

WB-001-BM

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Wood Base
Item Type	Painted Hardwood Base
Description	Painted Hardwood Base
Manufacturer	Bosley Mouldings
Model	MB371
Dimensions	4"H x 3/4"Thick
Color	Painted SW9170 Acier
Finish	Semi-Gloss
Material Composition	Hardwood
CSI #	062000 - Finish Carpentry
Omniclass #	22-062000
Product	MB371
Finish	SW 9170, Semi-Gloss



SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Bosley Moulding
Contact Name: Bosley Wright
Phone: (800) 638-5010
Email: bcbosley@comcast.net

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Connection Center
Flex
Lobby
Guest Laundry
Fitness Center

Wood Finish

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

WF-001

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Wood Finish
Item Type	Stained Millwork
Description	Stained Millwork
Manufacturer	TBD
Model	Stain to Match Wilsonart Beigewood #7850-12
CSI #	062000 - Wood FInish
Lead Time	To Be Verified by Manufacturer
Warranty	To Be Verified by Manufacturer
Notes	Species: Quarter Cut Oak or Similar (See Design Guide Drawings for Details). VOC Stain: Maximum 250 g/L VOC Varnish: Maximum 350g/L

SPECIAL INSTRUCTIONS

MANUFACTURER	AREAS
ALTERNATE MANUFACTURER 2	Lobby
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

WF-002-SW

Real Living Decor Package

Issue Date: **Aug 30, 2021**
Revision Date:

Item Name	Wood Stain
Item Type	Water-based Wood Stain
Description	Wood Handrail Stain
Manufacturer	MinWax/Sherwin Williams
Model	Minwax Water Based Wood Stain (618064444 for White Base) (618074444 for Clear Base)
Dimensions	N/A
Color	215 Red Oak Base
Finish	N/A
CSI #	099000 - Paint
Omniclass #	22-099000
Best Practices	Low-VOC, UL Greenguard Certified
Quality Standards	Comply with Green Seal GS-11; MPI Architectural Painting Specification Manual; 40 CFR, Part 59, Subpart D 2001, National Volatile Organic Compound Emission Standards for Architectural Coatings
Product/Color	Minwax Water Based Wood Stain (618064444 for White Base) (618074444 for Clear Base)/215 Red Oak Base
Lead Time	Standard lead times are 3-5 days from receipt of purchase order. Lead time should be confirmed by the manufacturer.
Warranty	To Be Verified by Manufacturer
Notes	VOC Stain: Maximum 250 g/L

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Sherwin Williams
Contact Name: Matt Wessel
Phone: (216) 515-7925
Email: mwessel@sherwin.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Stairs

Product Data Sheet
MINWAX® Wood Finish™

DESCRIPTION:

Minwax® Wood Finish™ is a penetrating oil-based wood stain, which provides beautiful rich color that enhances the natural wood grain. It applies easily, absorbs deep into the pores of the wood, and is ideal for staining unfinished wood furniture, cabinets, doors, trim, molding, and hardwood floors.

RECOMMENDED USE:

Interior Use Only

SURFACE PREPARATION:

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

Surface must be dry, clean, and free of dirt, grease, glue and existing coatings before staining.

Sand the wood in the direction of the grain using fine-grade sandpaper (#220) until smooth. Remove all sanding dust.

To ensure uniform acceptance of stain color and beautiful results, pretreat the wood with **Minwax® Pre-Stain Wood Conditioner** following label directions.

PRODUCT PREPARATION AND COLOR TESTING:

Stir stain thoroughly before and occasionally during use.

Always test stain on a scrap piece or hidden area of wood to verify desired color.

STAIN APPLICATION :

1. Apply stain in the direction of the grain with a brush or clean cloth.
2. Allow the stain to penetrate 5-15 minutes to achieve desired color. The more time the stain is allowed to penetrate, the richer and darker the color will be.
3. Remove stain that has not penetrated the wood with a clean cloth. Wipe in the direction of the grain, while blending light and dark areas to obtain uniform color. DO NOT ALLOW STAIN THAT HAS NOT PENETRATED THE WOOD TO DRY ON THE WOOD SURFACE.

4. To darken color, apply a second coat after 4-6 hours – repeating directions for application of first coat. Do not sand between coats of stain.
5. Dry time may be extended due to high humidity, low temperatures or inadequate ventilation.

CLEAR FINISH APPLICATION:

After a minimum of 8 hours, complete your project by applying a clear protective finish such as **Minwax® Fast-Drying Polyurethane** or Minwax® **Helmsman® Spar Urethane**. For a low odor, water clean-up clear finish, apply Minwax® Water Based Oil-Modified Polyurethane or **Minwax® Polycrylic® Protective Finish** after 24 hours.

Minwax® **Polycrylic®** should not be used over **Red Mahogany** stain.

Complete your floor finishing project with Minwax® Super Fast-Drying Polyurethane For Floors or **Minwax® Ultimate Floor Finish.**

CLEANUP/STORAGE:

Use mineral spirits or paint thinner, following manufacturer's safety instructions.

SAFETY:

DANGER! HARMFUL OR FATAL IF SWALLOWED. COMBUSTIBLE! VAPOR HARMFUL. IRRITATES EYES, SKIN AND RESPIRATORY TRACT.

CAUTIONS: CONTAINS ALIPHATIC HYDROCARBONS. Contents are **COMBUSTIBLE**. Keep away from heat and open flame. **VAPOR HARMFUL**. Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (NIOSH approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water for 15 minutes and get medical attention. For skin contact, wash thoroughly with soap and water. In case of respiratory difficulty, provide fresh air and call physician. If swallowed, do not induce vomiting. Call Poison Control Center, hospital emergency room, or physician immediately. **DELAYED EFFECTS FROM LONG-TERM OVEREXPOSURE.** Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN.**

DANGER: Rags, steel wool, other waste soaked with this product, and sanding residue may spontaneously catch fire if improperly discarded. Immediately place rags, steel wool, other waste soaked with this product, and sanding residue in a sealed, water-filled, metal container. Dispose of in accordance with local fire regulations. CONFORMS TO ASTM D-4236. Contact a physician for more health information.

Product Data Sheet
MINWAX® Wood Finish™
PHYSICAL PROPERTIES:

		Testing Method
Resin type:	Modified Linseed Oil/Hydrocarbon Resin	
Solvent:	Mineral Spirits	
Odor:	Mineral Spirits	
Luster:	N/A	
Application time:	5-15 minutes	
No. of Coats:	1 to 2	
Dry-time:	Recoat: 8 hours minimum	Gardner circular
Flash point:	>100°F (Combustible)	ASTM D 93
Applicator:	Brush or Rag	
VOC (grams/liter)	550 Maximum	EPA Method 24
Coverage (sq. ft./gal.):	Approx. 600	
% Solids:	40.0-45.6	ASTM D 2369
Pounds/Gallon:	7.0-7.6	ASTM D 1475
Viscosity (Centipoise):	20-50	

Rev. 3/15

Wood Trim

Laminate

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

LA-001-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Plastic Laminate
Item Type	Type 107 General Purpose (HGS) Laminate
Description	General purpose laminate product
Manufacturer	Wilsonart
Model	#15504-31
Dimensions	0.045" Plus Minus 0.005" Thickness, Standard Sheet Widths 36", 48", 60" x Standard Sheet Lengths 96", 120", 144"
Color	Charcoal
Finish	31 Traceless
Material Composition	Melamine impregnated deccorative surface papers combined with fire retardant phenolic treated kraft paper
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI 3. A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Charcoal 15504-31
Warranty	1 Year
Notes	Recommended substrates for laminates are Particleboard, Medium Density Fiberboard (MDF) or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates. Refer to Design Guide Project Master, Section 12 32 16 for Casework and 12 36 23 for Countertops.

SPECIAL INSTRUCTIONS

All substrates should be sanded smooth, and should be clean and free of oil or grease, and uniform in thickness.

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

AREAS

Welcome Desk
On Us
Buffet

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

ALTERNATE MANUFACTURER 2	Flex Fitness Center Employee Areas Elevator Lobby Entrance Vestibule
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

TECHNICAL DATA
Wilsonart® Laminate
Basic Types 107, 335, 350

Wilsonart®
ENGINEERED SURFACES

2501 Wilsonart Dr
PO Box 6110
Temple, TX 76503-6110

1. Manufacturer

Wilsonart LLC
2501 Wilsonart Drive
P.O. Box 6110
Temple, Texas 76503-6110
Phone: (254) 207-7000; (800) 433-3222
Fax: (254) 207-2384
Web Site: www.wilsonart.com

2. Product Description

Recommended Uses

Wilsonart® Laminate, types 107, 335, and 350, is suitable for use on fine quality residential and contract furniture, fixtures and casework, and also for architectural application on columns, wainscoting, valances, cornices, interior doors and divider systems.

- **General Purpose (HGS) Type 107** is most frequently used for work surfaces on counters, islands, vanities, desks and tables. Typical vertical uses include surfacing for wall panels, teller cages and the front panels of workstations, such as those in hospitals, airports and restaurants. Type 107 is produced for both horizontal and vertical interior applications where the surface must be functional, durable and decorative.
- **Vertical Surface (VGP) Type 335** is the usual choice to surface cabinet walls, doors and drawer panels. It often appears on the vertical surfaces of desks, restaurants booths and maître d' stations, and as architectural cladding. Type 335 is intended for vertical applications where a functional, durable, decorative surface must absorb somewhat less impact than a comparable horizontal surface. VGP surfaces may be postformed to achieve radius edges.
- **Postforming (HGP) Type 350** adds the decorative capability of a soft edge to any typical laminate use. Common applications of post forming laminates are formed edges for counters, desktops, cabinet doors and drawer panels. Type 350 is intended for use on vertical and horizontal interior surfaces where it is necessary or desirable to roll the laminate on a simple radius over the edge of the substrate. This eliminates seams and leaves an attractive surface.

Product Composition

Decorative surface papers impregnated with melamine resins are pressed over Kraft paper core sheets impregnated with phenolic resin. These sheets are then bonded at pressures greater than 1000 pounds per square inch at temperatures approaching 300°F (149°C). Finished sheets are trimmed, and the backs are sanded to facilitate bonding.

Basic Limitations

Wilsonart Laminate is for interior use only and is not recommended for direct application to plaster, concrete walls, or gypsum wallboard. It is not structural material and must be bonded to a suitable substrate.

Do not subject Wilsonart Laminate to extremes in humidity, temperatures higher than 275°F (135°C) for substantial periods of time, or intense, continuous, direct sunlight.

Copyright 2019, Wilsonart LLC

Patterns & Colors
Available in the full range of Wilsonart solid colors, stones, marbles, woodgrains, leathers and patterns. See all patterns and colors at www.wilsonart.com. Please see actual sample before specifying.

Finishes – Confirm finish availability on individual designs by going to www.wilsonart.com

- #01 High Gloss - Premium
  A mirror sheen finish, which gives a smooth, brilliant appearance. #01-High Gloss finish also features AEON™™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and can be used for horizontal applications such as countertops and light-to-medium commercial applications. Excellent for vertical applications and carries a premium upcharge.
  Nominal Glossometer Reading = 110
- #07 Textured Gloss - Premium
  A fine textured finish with a sheen level indicative of a waxed wood, polished stone, or other moderately reflective materials. #07 finish features AEON™™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 42
- #12 SoftGrain - Premium
  A dense wood grain structure that is low gloss and soft to the touch. Subtle highlights of reflectivity randomly occur within the embossed grains, creating a sophisticated raw wood look. #12 finish features AEON™™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 8
- #16 Casual Rustic - Premium
  A woodgrain texture with a blend of grain variations ranging from linear to subtle movement with random, irregular features. The overall low gloss surface is accented with higher sheen woodgrain ticking and random highlights. #16 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 6
- #18 Linearity - Premium
  A directional texture running the length of the sheet, having a narrow, random and matte-gloss linear quality. It is complementary to linear wood-grains, and linear patterns (such as the “Satin” series), and provides dimension and visual movement to solid colors. #18 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 18
- #19 Leno Weave – Premium
  Random intersecting horizontal and vertical lines create a geometric weave with a matte-gloss finish. Recommended for horizontal and vertical applications. #19 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 15
- #21 Soft Silk – Premium
  A smooth, ultra-matte finish with a silky, soft touch. This minimalist finish gives the surface a genuine stone feel. Recommended for horizontal and vertical applications. #21 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge,
  Nominal Glossometer Reading = 8
- #22 Antique - Premium
  A mixture of varying low gloss features combined with organic movement, indicative of the surface of an aged stone or an antique metal. Recommended for horizontal and vertical

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applications. Antique features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
Nominal Glossometer Reading = 9

- #28 Gloss Line - Premium
  A linear woodgrain texture with varied widths of narrow grain structures in an alternating mix of matte and gloss surfaces areas. Recommended for horizontal and vertical applications. Gloss Line features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 5
- #35 Mirage-Ultra Premium
  Subtle variations in matte and gloss finish connect to nature's own finishes: rough and weathered, smooth and polished. Wilsonart HD premium pricing. Recommended for horizontal and vertical applications.
  Nominal Gloss Reading = 50
- #38 Fine Velvet Texture
  A smooth textured finish with moderate reflective value.
  Nominal Glossometer Reading = 14
- #52 Quarry - Premium
  Premium finish emulating the "pitted" look of polished natural stone. Recommended for horizontal and vertical applications. #52 features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 55
- #55 Glaze-Ultra Premium
  A layering of matte features over a semi-gloss glaze, creates this timeworn effect. Wilsonart HD premium pricing. Recommended for horizontal and vertical application.
  Nominal Gloss Reading = 25
- #57 Aligned Oak – HD Premium
  Authentic realism is brought to the surfaces using synchronized texture as each elegantly aged oak design exhibits the natural dimension and feel or real world. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 7
- #60 Matte
  Textured finish with a moderate reflective quality. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 10
- #78 FineGrain - Premium
  The FineGrain premium finish features the polish and luxe of a real wood veneer, with a subtle, narrow grain structure that runs the length of the sheet. #78 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium.
  Nominal Glossometer Reading = 38

NOTE: Nominal Glossometer readings are made at a 60° angle of incidence.

Finish Availability: Not all finishes are available in all patterns and colors. Some finish options have limited size availability. Please check with your Wilsonart representative or consult the pattern availability lookup on our website at www.wilsonart.com, to verify size availability by finish type.

Standard Sheet Widths

36"	48"	60"
914mm	1219mm	1524mm

Standard Sheet Lengths

96"	120"	144"
2438mm	3048mm	3658mm

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NOTE: Not all sizes are available from stock; contact your Wilsonart representative for details on local availability. Minimums apply to non-standard designs and finishes in sizes other than 48"x96" and 60"x144". Please check with your Wilsonart representative.

Thickness and Weight

Description	107	335	350
Thickness	0.045" ± 0.005" (1.14mm ± 0.13mm)	0.028" + 0.001 - 0.004" (0.71mm + 0.03 - 0.10mm)	0.036" ± 0.005" (0.91mm ± 0.13mm)
Weight per square foot	0.322#	0.186#	0.260#

3. Technical Data

Physical Properties of General Purpose Laminates

ISO 4586 Test	Typical Wilsonart Type 107	ISO 4586-3 HGS
Thickness	**0.045" ± 0.005" (1.14mm ± 0.13mm)**	N/A
Appearance	**N/A**	N/A
Light Resistance	**Slight effect**	Slight Effect
Cleanability (cycles)	**10**	10
Stain Resistance Reagents 1-10 Reagents 11-15	 **No effect** **Slight effect**	 No effect Moderate effect
Boiling Water Resistance	**Slight Effect (Gloss)** **No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
High Temperature Resistance	**Slight effect**	Slight Effect (Gloss) No Effect (Other Finishes)
Impact Resistance	**65" (1651mm)**	31.5" (800mm)
Radiant Heat Resistance	**210 seconds**	≥ 200 sec.
Dimensional Stability Machine Direction Cross Direction	 **0.3%** **0.7%**	 1.1% (max.) 1.4% (max.)
Surface Wear Resistance (cycles)	**Meets or Exceeds 400**	350 (min.)
Formability	**Not applicable**	Not applicable
Blistering	**Not applicable**	Not applicable

Physical Properties of Vertical Surface Laminates

ISO 4586 Test	Typical Wilsonart Type 335	ISO 4586-3 VGP
Thickness	**0.028" + 0.001 - 0.004" (0.7mm + 0.03 - 0.10mm)**	N/A
Appearance	**N/A**	N/A
Light Resistance	**Slight effect**	Slight effect
Cleanability (cycles)	**10**	20 (max.)
Stain Resistance Reagents 1-10 Reagents 11-15	 **No effect** **Slight effect**	 No effect Moderate effect

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Boiling Water Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
High Temperature Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
Impact Resistance	**40" (1016mm)**	23.5" (600mm)
Radiant Heat Resistance	**200 seconds**	≥ 200 sec.
Dimensional Stability Machine Direction Cross Direction	**0.5%** **0.8%**	1.1% (max.) 1.4% (max.)
Surface Wear Resistance (cycles)	**Meets or Exceeds 400**	350 (min.)
Formability	**5/16" radius (7.93mm)**	7/16" radius (11mm) 9/16" radius(14.7mm)
Blistering	**45 seconds**	≥ 40 seconds

*Radius for face is actually the radius of the form around which the laminate is postformed. The radius for back is actually the radius to which the decorative face is postformed.

Physical Properties of Postforming Laminate

ISO 4586 Test	**Typical Wilsonart Type 350**	**ISO 4586-3 HGP**
Thickness	**0.036" ± 0.005" (0.91mm ± 0.13mm)**	0.039" ± 0.005" (1mm ± 0.12mm)
Appearance	**N/A**	N/A
Light Resistance	**Slight effect**	Slight effect
Cleanability **(cycles)**	**10**	20
Stain Resistance Reagents 1-10 Reagents 11-15	**No effect** **Slight effect**	No effect Moderate effect
Boiling Water Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
High Temperature Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
Impact Resistance	**55" (1397mm)**	31.5" (800mm)
Radiant Heat Resistance	**205 seconds**	≥ 200 sec.
Dimensional Stability Machine Direction Cross Direction	**0.5%** **0.8%**	1.1% (max.) 1.4% (max.)
Surface Wear Resistance (cycles)	**Meets or Exceeds 400**	350 (min.)
Formability*	***5/16" face (7.93mm)** ***3/8" back (9.52mm)**	*9/16" face (14.27mm) *3/4" back (19.05mm)
Blistering	**65 seconds**	≥ 40 seconds

*Radius for face is actually the radius of the form around which the laminate is postformed. The radius for back is actually the radius to which the decorative face is postformed.

Typical Fire Test Data

High-pressure laminates are subject to Flame Spread and Smoke Developed standards in structures where codes establish such conditions.

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Test data to determine compliance with these codes are obtained by the Steiner Tunnel Test method of the American Society for Testing Materials (ASTM-E-84, Standard Test Method for Surface Burning Characteristics of Building Materials). Tests were conducted in accordance with test method and mounting procedure as described in paragraph X1.7.2 of the test method. This procedure is cataloged by Underwriters Laboratories, Inc. as UL 723.
Here is typical data for Wilsonart laminates, averaged from two specific tests:

Typical Flame Spread and Smoke Developed Properties

Product Type	Test Condition	Flame Spread	Smoke Developed
General Purpose Type 107	Unbonded	50	45
Vertical Surface Type 335	Unbonded	45	40
Postforming Type 350	Unbonded	60	35
General Purpose Type 107	Bonded with contact adhesive to particleboard substrate; 3/8"	40	100
Vertical Surface Type 335	Bonded with contact adhesive to particleboard substrate; 3/8"	40	155
Postforming Type 350	Bonded with contact adhesive to particleboard substrate; 3/8"	50	140

When you wish to specify decorative laminate for a Class I or A fire rating, please refer to the Fire-Rated Laminate Tech Data.

Model Code Designations used to determine flame spread classification

Flame Spread Classification (Max. Rating)	International (IBC)	Life Safety (NFPA 101)
25	A	A
75	B	B
200	C	C

RE: Architectural Woodwork Quality Standard, 8th Edition, Version 1.0, - 2003

All Model Codes regulate the generation of smoke by interior finish material. In all cases they specify a maximum smoke development rating of 450.

Codes and Certifications

General Standards
Wilsonart Laminates, types 107, 335 and 350, conform to the voluntary standards of the American National Standards Institute, for thickness, performance properties and appearance. Wilsonart Laminates 107,335 and 350 meet or exceed the International Standards Organization specifications as found in ISO 4586, titled "High-Pressure Decorative Laminate (HPDL) – Sheets Based on Thermosetting Resins – Part I: specifications."

Specific Product Standards
U.S. Federal Specification L-P 508H, April 9, 1977, "Plastic Sheets, Laminated, Decorative and Non-decorative." Spells out criteria for decorative laminates for federal installations. Wilsonart 107, 335 and 350 laminates comply.

NSF International (NSF) #35 "Laminated Plastic for Surfacing for Food Service Equipment." All solid colors and printed patterns in Basic Types 107, 335 and 350, comply.

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U.S. Federal Register, August 9, 1984, Housing and Urban Development Mobile Home Construction and Safety Standard, (24CFR) 3280.203. General Purpose Type 107 and Vertical Surface Type 335 comply.

U.S. Federal Test Method, Federal Aviation Regulation, DOT, Part 25.853, Airworthiness Standards: Transport Category Airplane (Interior Finish). Vertical Surface Type 335 and Postforming Type 350 comply with parts A and C.

U.S. Federal Motor Vehicle Safety Standard (FMVSS) 302, "Flammability of Interior Materials." Basic Types 107, 335 and 350 comply.

U.S. Military Standard MIL-P-17171E (SHIPS)/Plastic Laminate. General Purpose Type 107 complies.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Laminate
No effect was exhibited except as noted (* or **) on the following:

1. Clorox Healthcare Bleach Germicidal Cleaner *
2. Clorox Healthcare Versa Sure Cleaner Disinfectant Wipes
3. Oxivir TB
4. Oxivir 1
5. Virex II 256
6. Benefect
7. PDI Super Sani-Cloth Germicidal Disposable Wipes
8. PDI Sani-Prime Germicidal Spray
9. Expose II 256
10. Stride Floral Neutral Cleaner *
11. PURELL Advanced Instant Hand Sanitizer *

Test procedure: Listed materials were placed in contact with Wilsonart® Laminate surface under 1" (25.4mm) diameter watch cover glass for 16 hours duration prior to evaluation for effect. The branded cleaners and sanitizers listed above were cleaned with water only.

* *Causes slight change of gloss or color.*
** *Causes slight damage, with degree of damage proportionate to length of exposure and concentration.*

4. <u>Installation: Fabrication and Assembly Recommendations</u>

Fabrication should follow approved methods. Assembled pieces should meet the specifications of KCMA (Kitchen Cabinetmakers Manufacturers Association), ANSI A-161.2-1998 (revised), and "Architectural Woodwork Quality Standards, Guide Specifications and Quality Certification Program" guidelines of the Architectural Woodwork Institute where applicable.

Wilsonart laminates must be bonded to a substrate of reliable quality, such as particleboard, medium density fiberboard or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates. Basic Types laminate may not be used as structural members.

Bond with adhesives and follow the techniques recommended by the adhesive manufacturer. Recommended adhesives are permanent types, such as urea and polyvinyl acetate (PVA), and contact types. Wilsonart adhesives are recommended for most bonding conditions.

To avoid stress cracking, do not use square-cut inside corners. All inside corners should have a minimum of 1/8" (3.175mm) radius and all edges should be routed smooth.

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Drill oversized holes for screws or bolts. Screws or bolts should be slightly countersunk into the face side of a laminate-clad substrate.
Take care to ensure an appropriate acclimation between the laminate and the substrate prior to fabrication. The face and backing laminates and the substrate should be conditioned in the same environment for 48 hours before fabrication.
Recommended conditioning temperature is about 75°F (24°C). Laminates should be conditioned at 45% to 55% relative humidity.

With postforming machinery, Wilsonart 335 and 350 will postform at a nominal sheet temperature range of 325°F to 338°F (163°C to 170°C) in 20 ± 5 seconds.

Carbide-tipped saw and router blades should be used for cutting. High tool speed and low feed speed are advisable. Cutting blades should be kept sharp. Use a hold-down to prevent any vibration.

5. **Warranty**

6. **Maintenance**

7. **Technical Services**

For samples, literature, questions or technical assistance, please contact our toll-free Hotline at (800) 433-3222, Monday through Friday, 8 am – 5 pm, CST.

Specification Form:

Surface shall be Wilsonart® Laminate, produced by Wilsonart LLC, Temple, Texas 76503-6110

Type: Specify 107, 335 or 350

Surface
Color Number: _____ Color Name: _____

Finish
Number: _____ Name: _____

Edge Trim
Color Number: _____ Color Name: _____

Adhesive
Name: _____ Grade/Type: _____
Brand: Wilsonart® Adhesive

Wilsonart® Laminate Technical Data
Basic Types 107, 335, 350
Revised: September 12, 2019
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Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

LA-002-WIL

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Plastic Laminate
Item Type	Type 107 General Purpose (HGS) Laminate
Description	General purpose laminate product
Manufacturer	Wilsonart
Model	#7850-12
Dimensions	0.045" Plus Minus 0.005" Thickness, Standard Sheet Widths 36", 48", 60" x Standard Sheet Lengths 96", 120", 144"
Color	Beigewood
Finish	SoftGrain
Material Composition	Melamine impregnated deccorative surface papers combined with fire retardant phenolic treated kraft paper
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023 - Interior Architectural Woodwork
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Beigewood 7850-12
Warranty	1 Year
Notes	Recommended substrates for laminates are Particleboard, Medium Density Fiberboard (MDF) or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates.

SPECIAL INSTRUCTIONS

1. Run grain direction vertically unless noted otherwise.
2. PVC Edgebanding:
a. Exposed Ends: Grade VGS plastic laminate or minimum 0.030-inch thick PVC edge banding. Color to match exposed faces.
b. Semi-exposed Ends; Grade VGS plastic laminate or minimum 0.030-inch thick PVC edge banding. Color to match exposed faces.
3. Melamine at all vertical surfaces/HPL at all horizontal surfaces
4. Elevator Interior Cab: Materials shall comply with NEMA LD-3
a. Fire-Retardant Treated Particleboard Panels : Minimum ½-inch thick backup for plastic laminate veneered panels, provided with suitable anti-warp backing; to meet ASTM E84 Class “A” rating with flame-spread rating of 25 or less.

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

LA-002-WIL

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Welcome Desk
In-A-Pinch
Connection Center
Hub
On Us
Buffet
Flex
Fitness Center
Employee Areas
Public Restrooms
Elevator Lobby
Administration
Lobby
Breakfast

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

LA-004-NV

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Plastic Laminate
Item Type	Type 107 General Purpose (HGS) Laminate
Description	High Pressure Laminate (HPL)
Manufacturer	Nevamar
Model	S6001 T
Dimensions	0.048"/1.2mm Thickness, 36 W x 96 L, 36 W x 120 L, 36 W x 144L, 48 W x 98 L, 48 W x 120 L, 60 W x 96 L, 60 W x 120 L, 60 W x 144 L
Color	Black
Finish	Textured/ Armored Protection
Material Composition	Melamine impregnated decorative surface papers combined with fire retardant phenolic treated kraft paper
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023
Grade	NG48
Fire/Smoke Rating	ASTM E-84/UL723, 40 Flame Spread/Smoke Density 120 Unbonded, 95 Flame Spread/95 Smoke Density Bonded
Best Practices	Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI 3. A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Black S6001T
Warranty	1 Year Limited
Notes	Recommended substrates for laminates are Medium to High Density Fiberboard (MDF), Particleboard,or Metals. It should not be glued directly to plaster walls, gypsum wallboard, or concrete.

SPECIAL INSTRUCTIONS

All substrates should be sanded smooth, and should be clean and free of oil or grease, and uniform in thickness.

MANUFACTURER

Vendor Name: Nevamar
Contact Name: Alitia Cross
Phone: 276.698.6254
Email:

ALTERNATE MANUFACTURER 2

AREAS

Buffet

ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Technical Bulletin

High Pressure Laminate

Three standard grades of **Nevamar® High Pressure Laminate** are suitable for most applications:

General Purpose Type NG48 is most often used in horizontal applications where high impact resistance and a durable, decorative surface is required.

Postforming Type NF39 is designed for manufacturing countertops and other horizontal surfaces where the laminate may be heated and rolled over the substrate edge to eliminate seams.

Type NF28 is designed for applications where impact resistance is less critical. Type NF28 can also be postformed.

Product Description

High pressure laminate is manufactured in a flat press by combining decorative papers saturated in melamine resin with phenolic-impregnated kraft layers at pressures exceeding 1000 psi (6.9 MPa) and temperatures approaching 300˚F (150˚C). The panels are trimmed to size and the backs are sanded to facilitate bonding. The thickness of the laminate is determined by the number of kraft layers used. The laminating process combines the durability of melamine resins with the aesthetics of decorative papers creating a surfacing material that has been the standard for many years.

Most textured finish items are produced with Nevamar's exclusive **Armored Protection® Surface** and have all the properties of conventional laminate. But it also has superior abrasion and scuff resistance due to a very thin deposit of microscopic particles of aluminum oxide on the conventional melamine layer. Armored Protection® Surface has significantly better wear value than the NEMA standard for laminates. It also offers superior resistance to scuffing and retain a "brand new" appearance during most of their useful life. All other properties meet the normal NEMA test requirements.

Standard Nominal Sizes

Type		Thickness*	Width*	Length	Colors
NG48	(in.)	0.048	36,48,60	96,120,144	All solids, patterns & woodgrains
	(mm)	1.2	914,1219,1524	2438,3048,3658	
NF39	(in.)	0.039	36,48,60	96,120,144	All solids, patterns & woodgrains
	(mm)	1.0	914,1219,1524	2438,3048,3658	
NF28	(in.)	0.028	36,48,60	96,120,144	All solids, patterns & woodgrains
	(mm)	0.7	914,1219,1524	2438,3048,3658	

*Other widths and thicknesses available upon request.

Typical Uses

Nevamar® standard laminate is designed for either horizontal, vertical, or postforming applications. This laminate is seen on countertops, tables, vanities, interior doors, cabinets, contract furniture, and retail store fixtures.

Fabrication Tips

When working with Nevamar® HPL, these techniques will produce a quality application.

1. Proper conditioning of the laminate, substrate, and backing sheet minimizes possible warping, shrinking, or expansion of assembled panels. Ideally, all components should be conditioned at 70˚F to 75˚F (21˚C to 25˚C) and 45 to 50 percent relative humidity for 48-hours prior to assembly.
2. Always bond laminate to a suitable substrate such as medium to high density fiberboard, particleboard, or metals. It should not be glued directly to plaster walls, gypsum wallboard, or concrete.
3. Recommended adhesives include solvent or water-based contact cement, white glue (PVA), epoxy, and hot melt glue. Consult your adhesive supplier for specific application requirements.
4. The use of a backing sheet is recommended to minimize warpage. The thickness of the backing sheet should be relatively equal to the thickness of the decorative laminate on the face of the assembly.
5. All saw blades and router bits used for cutting should be carbide tipped. Feed rate should be slow and tool speed should be high.

6. All edges of laminate should be filed smooth with file direction towards substrate to help prevent stress cracks and to minimize chipping.
7. Inside corners of cutouts for electrical outlets, sinks, etc., should have a minimum radius of 1/8" (3 mm) and be filed smooth. This reduces the likelihood of stress cracks.
8. When fasteners are required, it is advisable to first drill an oversized hole through the laminate. This reduces the likelihood of stress cracks.
9. See the Nevamar® Postforming Technical Bulletin for postforming application tips.
10. All laminate is intended for interior use only, and should not be exposed to extreme humidity, continuous sunlight, or temperatures above 275˚F (135˚C) for extended periods of time.

Fire Test Data

High pressure decorative laminate is frequently used in installations governed by local fire codes. Burning characteristics of laminate are greatly influenced by the adhesive and substrate used. Listed below are typical flame spread index and smoke developed values for Nevamar® standard grade laminate. When specifying Class I or A rated laminate, refer to Nevamar® Fire Rated Technical Bulletin.

CAN/ULC-S102M
Laminated Plastic Surface Burning Characteristics

Sample Type	Flame Configuration	Spread Index	Smoke Developed Values
NG48	Bonded* to	40	120
NF39	Inorganic	40	65
NF28	Cement Board	35	35

*Bonded with N® Sodium Silicate Sealer and Wonderbond® WB-104A with M-172L. All work should be designed, assembled, and installed in compliance with pertinent local fire codes.

Technical Information

Physical Properties

		NEMA LD 3-2005 TEST Method	TYPICAL NEVAMAR® VALUES NG48	NEMA STD. HGS	TYPICAL NEVAMAR VALUES NF39	NEMA STD. HGP	TYPICAL NEVAMAR® VALUES F28	NEMA STD. VGP
Thickness	(in.)		0.048 ± 0.003	0.048 ± 0.005	0.039 ± 0.005	0.039 ± 0.005	0.028 ± 0.003	0.028 ± 0.004
	(mm)		1.2 ± 0.12	1.2 ± 0.12	1.0 ± 0.12	1.0 ± 0.12	0.7 ± 0.1	0.7 ± 0.1
Appearance		3.1	Complies		Complies		Complies	
Light Resistance		3.3	no effect	Slight effect	no effect	Slight effect	no effect	Slight effect
Cleanabililty		3.4	7-11	20 (max)	7-10	20 (max)	7-10	20 (max)
Stain 1-10			No effect	No effect	No effect	No effect	No effect	No effect
Stain 11-15			No effect	Moderate effect	No effect	Moderate effect	No effect	Moderate effect
Boiling Water Resistance		3.5	No effect	No effect	No effect	Slight effect	No effect	Slight effect
High Temperature Resistance		3.6	No effect	Slight effect	No effect	Slight effect	No effect	Slight effect
Ball Impact Resistance	(in.)	3.8	66	50 (min.)	48	30 (min.)	40	20 (min.)
	(mm)		1676	1250 (min.)		750 (min.)	1016	500 (min.)
Radiant Heat Resistance	(sec)	3.10	300	125 (min.)	275	100 (min.)	250	80 (min.)
Dimensional Change		3.11						
Machine Direction	(%)		0.35	0.50 (max.)	0.35	1.1 (max.)	0.35	1.1 (max.)
Cross Direction	(%)		0.75	0.90 (max.)	0.75	1.4 (max.)	0.75	1.4 (max.)
Room Temperature Dimensional Stability		3.12						
Machine Direction	(%)		0.30	0.5 (max.)	0.25	1.0 (max.)	0.30	1.0 (max.)
Cross Direction	(%)		0.50	0.8 (max.)	0.45	1.3 (max.)	0.60	1.3 (max.)
Wear Resistance	(cycles)	3.13	1000	400 (min.)	1000	400 (min.)	1000	400 (min.)
Formability	(in)	3.14	Not applicable	Not applicable	3/8	5/8 (min.)	1/4	1/2 (min.
	(mm)		Not applicable	Not applicable	10	16 (min.)	7	13 (min.)
Blister Resistance	(sec)	3.15	Not applicable	Not applicable	60	55 (min.)	52	40 (min.)

ASTM E-84/UL723
"Standard Test Method for Surface Burning Characteristics of Building Materials"

Type	Sample Configuration	Flame Spread Index	Smoke Developed Values
NG48	Unbonded	40	120
NF39		40	65
NF28		35	35
NG48	Bonded* to	55	85
NF39	Inorganic	55	105
NF28	Cement Board	35	40
NG48	Bonded* to 5/8"	95	95
NF39	Particleboard	235	140
NF28		160	160
NG48	Bonded* to 5/8"	160	110
NF39	Fire Rated	110	130
NF28	Particleboard	80	75

*Bonded with Pioneer P19NF contact cement. All work should be designed, assembled and installed in compliance with pertinent local fire codes.

Codes and Certifications

1. U.S. Federal Motor Vehicle Safety Standard #302 "Flammability of Interior Materials." Nevamar® Type G48, F39, and F28 comply.
2. NSF-International Standard 35, "Laminated Plastics for Surfacing Food Service Equipment." Nevamar® Type G48, F39, and F28 comply.
3. American National Standards Institute/National Electrical Manufacturers Association (ANSI/NEMA), LD3-1995, "High- Pressure Decorative Laminate." Nevamar® Type NG48, NF39, and NF28 comply.
4. MIL-P-17171E(SH), "High Pressure Decorative Laminate." Nevamar® NG48 complies with Type I.
5. U.S. Federal Specification L-P-508H, "Plastic Sheet, Laminated, Decorative and Nondecorative." Nevamar® Type NG48, NF39, and NF28 comply.
6. International Organization for Standardization, ISO-4586, "Decorative High Pressure Laminates (HPL)." Nevamar® Type NG48, NF39, and NF28 comply.

Care and Maintenance

Nevamar® decorative laminate provides a durable surface that is easy to maintain using ordinary care.

To maintain the laminate's lasting beauty, cleaning with a solution of warm water and liquid dishwashing detergent is all that should be required in most cases.

Stains may be removed with most non-abrasive household cleaners such as FORMULA 409®, GLASS PLUS® or WINDEX® with AMMONIA D®. Light scrubbing with a soft bristled brush may be necessary to remove stains from the depth of the structure on some textured surfaces.

If the stain persists, use a paste of baking soda and water and apply with a soft bristled brush. Light scrubbing for 10-20 strokes should remove most stains. Although baking soda is a low abrasive, excessive scrubbing or exerting too much force may damage the decorative surface, especially if it has a gloss finish.

Stubborn stains that resist any of the above cleaning methods may require the use of undiluted household bleach. Apply the bleach to the stain and let stand no longer than 1 1/2 minutes. Rinse thoroughly with warm water and wipe dry. This step may be repeated if the stain appears to be going away and the color of the laminate has not been affected. WARNING: Prolonged exposure of the laminate surface to bleach will cause discoloration.

Many commercially available products contain substances that may damage or discolor a laminate surface. ABRASIVE CLEANERS SHOULD NOT BE USED. Particular care should be used with any products labeled CAUTION or WARNING. Any questions or concerns should be referred to the product's manufacturer or call 1-877-726-6526. Do not allow harsh materials to remain in contact with the laminate surface. Examples of these are as follows:

- Toilet bowl cleaners
- Chlorine bleach
- Hydrogen Peroxide
- Coffee pot cleaners
- Oven cleaners
- Hard water stain removers
- Drain cleaners
- Fruit and berry juice
- Metal cleaners and polishes
- Tub and tile cleaners

Formula 409 is a registered trademark for The Clorox Company of Oakland, CA 94612; Glass Plus is a registered trademark for The Dow Chemical Company of Indianapolis, IN 46268-0511; Windex is a registered trademark for S.C. Johnson & Sons INC. of Racine, WI 53403-5011.

Limited Warranty

Subject to the limitations set forth below, Panolam Industries International Inc. (Panolam) expressly warrants that our products are reasonably free of defects in material and workmanship, and when properly handled and fabricated will conform, within accepted tolerances, to applicable manufacturing specifications as set forth in our technical brochure. This warranty shall extend to the original buyer for a period of twelve (12) months from the date of shipment of this product by Panolam, and shall not be assignable by the original buyer. This warranty does not cover damage resulting from accident, misuse, alteration, abuse or lack of reasonable care.

Due to the variety of uses and applications to which this product may be put, and because the manufacturer has no control over the end products fabricated, the warranty set forth above is exclusive and in lieu of all warranties, expressed or implied, in fact or by operation of law or otherwise, or arising by course of dealing or performance, custom or usage in the trade, including, without limitation, the implied warranties of fitness for a particular purpose and merchantability, and Panolam shall have no obligation or liability to any person or entity in connection with or arising from the furnishing, sale, installation or repair, use or subsequent sale of any product supplied by it.

Our maximum liability arising out of the sale of the products or their use, whether based upon warranty, contract, tort or otherwise, shall not exceed the actual payments received by us in connection therewith. In no event shall we be liable for special, incidental or consequential damages, including, but not limited to, arising hereunder or from the loss of profits, or loss of use damages, sales of the products.

Headquarters

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07/2018

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

LA-004-WIL

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Plastic Laminate
Item Type	Thermally Fused Laminate (TFL)
Description	Thermally Fused Melamine
Manufacturer	Wilsonart
Model	D427-60
Dimensions	Standard panels are 49 and 61 inches. Standard panel lenth is 97 inches.
Color	Linen
Finish	Matte
Material Composition	Laminate Composition: Melamine saturated decorative layers thermally fused to both core face surfaces with heat and pressure. Stain resistant surface with wear and scratch resistance.
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023 - Interior Architectural Woodwork
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Linen D427-60
Warranty	1 Year
Notes	Panel Core Material: Composite panel product composed primarily of cellulosic materials and a bonding system, resulting in a durable and dimensionally stable substrate suitable for decorative laminate overlays. Panel core material can be particleboard or medium density fiberboard.

SPECIAL INSTRUCTIONS

All substrates should be sanded smooth, and should be clean and free of oil or grease, and uniform in thickness.

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

AREAS

ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

PRODUCT NAME

Wilsonart® Thermally Fused Laminate Panels

MANUFACTURER

Wilsonart LLC
2400 Wilson Place
P.O. Box 6110
Temple, TX 76503-6110
Toll-Free: 800-433-3222
Website: www.wilsonart.com

PRODUCT OVERVIEW

Wilsonart® Thermally Fused Laminate (TFL) Panels are a key component of the Wilsonart® Coordinated Surfaces program. When combined with Wilsonart's vast array of high performance laminate offerings and edgebanding options, TFL Panels complete a suite of products unmatched in the industry for coordinated color, pattern, and finish selections.

Wilsonart TFL Panels are designed for interior use only and have a wide range of applications. Common design elements are decorative wall panels, cabinetry, furniture, and shelving. TFL Panels are well-suited for installations requiring resistance to stains, surface wear, and scratching.

Standard panel widths are 49 and 61 inches. Standard panel length is 97 inches. Custom widths and lengths are available on special order.

Particleboard and Medium Density Fiberboard (MDF) core materials are standard, in thicknesses ranging from 3/8 inch to 1-1/8 inches depending on core material. Options include no-added-urea-formaldehyde and moisture-resistant fabrications.

TFL Panels and integral edgebanding are available in over 200 colors and 6 finishes. Wilsonart offers the widest array of designs in the industry - woodgrains, solids, and abstracts. Laminate facers qualify as NEMA LD-3 Type VGL general-purpose laminates, primarily for vertical applications.

TECHNICAL DATA

TFL Panel particleboard and medium density fiberboard core materials comply with ANSI and Composite Panel Association performance criteria.

Panel assemblies comply with NEMA test standards for Type VGL laminate panels, as follows:

NEMA Test	TFL Panel Test Results
Light Resistance	Slight effect
Cleanability (cycles)	20 max.
Stain Resistance Reagents 1-10 Reagents 11-15	 No effect Moderate effect
Boiling Water Resistance	No effect
High Temperature Resistance	Slight effect
Impact Resistance	15"
Radiant Heat Resistance	60 seconds
Surface Wear Resistance (cycles)	Solid Colors - 400 Woodgrains - 125 Abstracts - 125

Refer to the Wilsonart TFL Panels Guide Specification for detailed technical data.

SUSTAINABLE DESIGN

LEED® 2009 potential credits can be obtained in the New Construction & Major Renovations (NC) and Commercial Interiors (CI) categories for the following:

- MR 4 Recycled Content
- MR 5 Regional Materials
- MR 6 Rapidly Renewable Content
- MR 7 Certified Wood
- IEQ 4.4 Low-Emitting Materials

Wilsonart TFL Panels can be fabricated to comply with CARB emissions requirements.

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CERTIFICATIONS

CPA Certifications for sustainability and CARB formaldehyde emission limitations.

FSC sustainability certifications.

FABRICATION

Refer to Wilsonart Thermally Fused Laminate Panels Fabrication Manual and Wilsonart Fabrication Drawings for detailed information.

WARRANTY

Wilsonart offers a 1 year Limited Warranty against material defects.

CARE AND MAINTENANCE

Refer to the Wilsonart website for care and maintenance instructions.

CUSTOMER SERVICE

For samples, literature, technical assistance, or questions, please call the toll-free Hotline at 800-433-3222, Monday through Friday, 8:00 am to 5:00 pm, CST or visit our website.

REFERENCE SOURCES

American National Standards Institute (ANSI)
www.ansi.org

California Environmental Protection Agency Air Resources Board (CARB Compliance)
www.arb.ca.gov

Composite Panel Association (CPA)
www.compositepanel.org

Construction Specifications Institute (CSI)
MasterFormat® Numbers & Titles
www.csinet.org/masterformat

Forest Stewardship Council (FSC)
www.ic.fsc.org (International)
www.us.fsc.org (United States)

National Electrical Manufacturers Association (NEMA)
www.nema.org

U.S. Green Building Council LEED® Green Building Rating System
www.usgbc.org

Wilsonart Guide Specification:
06 6419 - Thermally Fused Laminate Panels
www.wilsonart.com

FILE ORGANIZATION

File under the CSI MasterFormat® classification system. Common numbers and titles are:

06 6419 - Thermally Fused Laminate Panels

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Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

LA-005-NV

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date:

Item Name	Plastic Laminate
Item Type	Type 107 General Purpose (HGS) Laminate
Description	High Pressure Laminate (HPL)
Manufacturer	Nevamar
Model	S3022 T
Dimensions	0.048"/1.2mm Thickness, 36 W x 96 L, 36 W x 120 L, 36 W x 144L, 48 W x 98 L, 48 W x 120 L, 60 W x 96 L, 60 W x 120 L, 60 W x 144 L
Color	Deep Blue
Finish	Textured/ Armored Protection
Material Composition	Melamine impregnated decorative surface papers combined with fire retardant phenolic treated kraft paper
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023
Grade	NG48
Fire/Smoke Rating	ASTM E-84/UL723, 40 Flame Spread/Smoke Density 120 Unbonded, 95 Flame Spread/95 Smoke Density Bonded
Best Practices	Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI 3. A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Deep Blue S3022T
Warranty	1 Year Limited
Notes	Recommended substrates for laminates are Medium to High Density Fiberboard (MDF), Particleboard,or Metals. It should not be glued directly to plaster walls, gypsum wallboard, or concrete.

SPECIAL INSTRUCTIONS

All substrates should be sanded smooth, and should be clean and free of oil or grease, and uniform in thickness.

MANUFACTURER

Vendor Name: Nevamar
Contact Name: Alitia Cross
Phone: 276.698.6254
Email:

ALTERNATE MANUFACTURER 2

AREAS

Buffet

ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Technical Bulletin

High Pressure Laminate

Three standard grades of **Nevamar® High Pressure Laminate** are suitable for most applications:

General Purpose Type NG48 is most often used in horizontal applications where high impact resistance and a durable, decorative surface is required.

Postforming Type NF39 is designed for manufacturing countertops and other horizontal surfaces where the laminate may be heated and rolled over the substrate edge to eliminate seams.

Type NF28 is designed for applications where impact resistance is less critical. Type NF28 can also be postformed.

Product Description

High pressure laminate is manufactured in a flat press by combining decorative papers saturated in melamine resin with phenolic-impregnated kraft layers at pressures exceeding 1000 psi (6.9 MPa) and temperatures approaching 300˚F (150˚C). The panels are trimmed to size and the backs are sanded to facilitate bonding. The thickness of the laminate is determined by the number of kraft layers used. The laminating process combines the durability of melamine resins with the aesthetics of decorative papers creating a surfacing material that has been the standard for many years.

Most textured finish items are produced with Nevamar's exclusive **Armored Protection® Surface** and have all the properties of conventional laminate. But it also has superior abrasion and scuff resistance due to a very thin deposit of microscopic particles of aluminum oxide on the conventional melamine layer. Armored Protection® Surface has significantly better wear value than the NEMA standard for laminates. It also offers superior resistance to scuffing and retain a "brand new" appearance during most of their useful life. All other properties meet the normal NEMA test requirements.

Standard Nominal Sizes

Type		Thickness*	Width*	Length	Colors
NG48	(in.)	0.048	36,48,60	96,120,144	All solids, patterns & woodgrains
	(mm)	1.2	914,1219,1524	2438,3048,3658	
NF39	(in.)	0.039	36,48,60	96,120,144	All solids, patterns & woodgrains
	(mm)	1.0	914,1219,1524	2438,3048,3658	
NF28	(in.)	0.028	36,48,60	96,120,144	All solids, patterns & woodgrains
	(mm)	0.7	914,1219,1524	2438,3048,3658	

*Other widths and thicknesses available upon request.

Typical Uses

Nevamar® standard laminate is designed for either horizontal, vertical, or postforming applications. This laminate is seen on countertops, tables, vanities, interior doors, cabinets, contract furniture, and retail store fixtures.

Fabrication Tips

When working with Nevamar® HPL, these techniques will produce a quality application.

1. Proper conditioning of the laminate, substrate, and backing sheet minimizes possible warping, shrinking, or expansion of assembled panels. Ideally, all components should be conditioned at 70˚F to 75˚F (21˚C to 25˚C) and 45 to 50 percent relative humidity for 48-hours prior to assembly.
2. Always bond laminate to a suitable substrate such as medium to high density fiberboard, particleboard, or metals. It should not be glued directly to plaster walls, gypsum wallboard, or concrete.
3. Recommended adhesives include solvent or water-based contact cement, white glue (PVA), epoxy, and hot melt glue. Consult your adhesive supplier for specific application requirements.
4. The use of a backing sheet is recommended to minimize warpage. The thickness of the backing sheet should be relatively equal to the thickness of the decorative laminate on the face of the assembly.
5. All saw blades and router bits used for cutting should be carbide tipped. Feed rate should be slow and tool speed should be high.

6. All edges of laminate should be filed smooth with file direction towards substrate to help prevent stress cracks and to minimize chipping.
7. Inside corners of cutouts for electrical outlets, sinks, etc., should have a minimum radius of 1/8" (3 mm) and be filed smooth. This reduces the likelihood of stress cracks.
8. When fasteners are required, it is advisable to first drill an oversized hole through the laminate. This reduces the likelihood of stress cracks.
9. See the Nevamar® Postforming Technical Bulletin for postforming application tips.
10. All laminate is intended for interior use only, and should not be exposed to extreme humidity, continuous sunlight, or temperatures above 275˚F (135˚C) for extended periods of time.

Fire Test Data

High pressure decorative laminate is frequently used in installations governed by local fire codes. Burning characteristics of laminate are greatly influenced by the adhesive and substrate used. Listed below are typical flame spread index and smoke developed values for Nevamar® standard grade laminate. When specifying Class I or A rated laminate, refer to Nevamar® Fire Rated Technical Bulletin.

CAN/ULC-S102M
Laminated Plastic Surface Burning Characteristics

Sample Type	Flame Configuration	Spread Index	Smoke Developed Values
NG48	Bonded* to	40	120
NF39	Inorganic	40	65
NF28	Cement Board	35	35

*Bonded with N® Sodium Silicate Sealer and Wonderbond® WB-104A with M-172L. All work should be designed, assembled, and installed in compliance with pertinent local fire codes.

Technical Information
Physical Properties

		NEMA LD 3-2005 TEST Method	TYPICAL NEVAMAR® VALUES NG48	NEMA STD. HGS	TYPICAL NEVAMAR VALUES NF39	NEMA STD. HGP	TYPICAL NEVAMAR® VALUES F28	NEMA STD. VGP
Thickness	(in.)		0.048 ± 0.003	0.048 ± 0.005	0.039 ± 0.005	0.039 ± 0.005	0.028 ± 0.003	0.028 ± 0.004
	(mm)		1.2 ± 0.12	1.2 ± 0.12	1.0 ± 0.12	1.0 ± 0.12	0.7 ± 0.1	0.7 ± 0.1
Appearance		3.1	Complies		Complies		Complies	
Light Resistance		3.3	no effect	Slight effect	no effect	Slight effect	no effect	Slight effect
Cleanabililty		3.4	7-11	20 (max)	7-10	20 (max)	7-10	20 (max)
Stain 1-10			No effect	No effect	No effect	No effect	No effect	No effect
Stain 11-15			No effect	Moderate effect	No effect	Moderate effect	No effect	Moderate effect
Boiling Water Resistance		3.5	No effect	No effect	No effect	Slight effect	No effect	Slight effect
High Temperature Resistance		3.6	No effect	Slight effect	No effect	Slight effect	No effect	Slight effect
Ball Impact Resistance	(in.)	3.8	66	50 (min.)	48	30 (min.)	40	20 (min.)
	(mm)		1676	1250 (min.)		750 (min.)	1016	500 (min.)
Radiant Heat Resistance	(sec)	3.10	300	125 (min.)	275	100 (min.)	250	80 (min.)
Dimensional Change		3.11						
Machine Direction	(%)		0.35	0.50 (max.)	0.35	1.1 (max.)	0.35	1.1 (max.)
Cross Direction	(%)		0.75	0.90 (max.)	0.75	1.4 (max.)	0.75	1.4 (max.)
Room Temperature Dimensional Stability		3.12						
Machine Direction	(%)		0.30	0.5 (max.)	0.25	1.0 (max.)	0.30	1.0 (max.)
Cross Direction	(%)		0.50	0.8 (max.)	0.45	1.3 (max.)	0.60	1.3 (max.)
Wear Resistance	(cycles)	3.13	1000	400 (min.)	1000	400 (min.)	1000	400 (min.)
Formability	(in)	3.14	Not applicable	Not applicable	3/8	5/8 (min.)	1/4	1/2 (min.
	(mm)		Not applicable	Not applicable	10	16 (min.)	7	13 (min.)
Blister Resistance	(sec)	3.15	Not applicable	Not applicable	60	55 (min.)	52	40 (min.)

ASTM E-84/UL723
"Standard Test Method for Surface Burning Characteristics of Building Materials"

Type	Sample Configuration	Flame Spread Index	Smoke Developed Values
NG48	Unbonded	40	120
NF39		40	65
NF28		35	35
NG48	Bonded* to	55	85
NF39	Inorganic	55	105
NF28	Cement Board	35	40
NG48	Bonded* to 5/8"	95	95
NF39	Particleboard	235	140
NF28		160	160
NG48	Bonded* to 5/8"	160	110
NF39	Fire Rated	110	130
NF28	Particleboard	80	75

*Bonded with Pioneer P19NF contact cement. All work should be designed, assembled and installed in compliance with pertinent local fire codes.

Codes and Certifications

1. U.S. Federal Motor Vehicle Safety Standard #302 "Flammability of Interior Materials." Nevamar® Type G48, F39, and F28 comply.
2. NSF-International Standard 35, "Laminated Plastics for Surfacing Food Service Equipment." Nevamar® Type G48, F39, and F28 comply.
3. American National Standards Institute/National Electrical Manufacturers Association (ANSI/NEMA), LD3-1995, "High- Pressure Decorative Laminate." Nevamar® Type NG48, NF39, and NF28 comply.
4. MIL-P-17171E(SH), "High Pressure Decorative Laminate." Nevamar® NG48 complies with Type I.
5. U.S. Federal Specification L-P-508H, "Plastic Sheet, Laminated, Decorative and Nondecorative." Nevamar® Type NG48, NF39, and NF28 comply.
6. International Organization for Standardization, ISO-4586, "Decorative High Pressure Laminates (HPL)." Nevamar® Type NG48, NF39, and NF28 comply.

Care and Maintenance

Nevamar® decorative laminate provides a durable surface that is easy to maintain using ordinary care.

To maintain the laminate's lasting beauty, cleaning with a solution of warm water and liquid dishwashing detergent is all that should be required in most cases.

Stains may be removed with most non-abrasive household cleaners such as FORMULA 409®, GLASS PLUS® or WINDEX® with AMMONIA D®. Light scrubbing with a soft bristled brush may be necessary to remove stains from the depth of the structure on some textured surfaces.

If the stain persists, use a paste of baking soda and water and apply with a soft bristled brush. Light scrubbing for 10-20 strokes should remove most stains. Although baking soda is a low abrasive, excessive scrubbing or exerting too much force may damage the decorative surface, especially if it has a gloss finish.

Stubborn stains that resist any of the above cleaning methods may require the use of undiluted household bleach. Apply the bleach to the stain and let stand no longer than 1 1/2 minutes. Rinse thoroughly with warm water and wipe dry. This step may be repeated if the stain appears to be going away and the color of the laminate has not been affected. WARNING: Prolonged exposure of the laminate surface to bleach will cause discoloration.

Many commercially available products contain substances that may damage or discolor a laminate surface. ABRASIVE CLEANERS SHOULD NOT BE USED. Particular care should be used with any products labeled CAUTION or WARNING. Any questions or concerns should be referred to the product's manufacturer or call 1-877-726-6526. Do not allow harsh materials to remain in contact with the laminate surface. Examples of these are as follows:

- Toilet bowl cleaners
- Chlorine bleach
- Hydrogen Peroxide
- Coffee pot cleaners
- Oven cleaners
- Hard water stain removers
- Drain cleaners
- Fruit and berry juice
- Metal cleaners and polishes
- Tub and tile cleaners

Formula 409 is a registered trademark for The Clorox Company of Oakland, CA 94612; Glass Plus is a registered trademark for The Dow Chemical Company of Indianapolis, IN 46268-0511; Windex is a registered trademark for S.C. Johnson & Sons INC. of Racine, WI 53403-5011.

Limited Warranty

Subject to the limitations set forth below, Panolam Industries International Inc. (Panolam) expressly warrants that our products are reasonably free of defects in material and workmanship, and when properly handled and fabricated will conform, within accepted tolerances, to applicable manufacturing specifications as set forth in our technical brochure. This warranty shall extend to the original buyer for a period of twelve (12) months from the date of shipment of this product by Panolam, and shall not be assignable by the original buyer. This warranty does not cover damage resulting from accident, misuse, alteration, abuse or lack of reasonable care.

Due to the variety of uses and applications to which this product may be put, and because the manufacturer has no control over the end products fabricated, the warranty set forth above is exclusive and in lieu of all warranties, expressed or implied, in fact or by operation of law or otherwise, or arising by course of dealing or performance, custom or usage in the trade, including, without limitation, the implied warranties of fitness for a particular purpose and merchantability, and Panolam shall have no obligation or liability to any person or entity in connection with or arising from the furnishing, sale, installation or repair, use or subsequent sale of any product supplied by it.

Our maximum liability arising out of the sale of the products or their use, whether based upon warranty, contract, tort or otherwise, shall not exceed the actual payments received by us in connection therewith. In no event shall we be liable for special, incidental or consequential damages, including, but not limited to, arising hereunder or from the loss of profits, or loss of use damages, sales of the products.

Headquarters

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One Corporate Drive, Suite 725
Shelton, CT 06484
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07/2018

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

LA-006-WIL

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Plastic Laminate
Item Type	Thermally Fused Laminate (TFL)
Description	Thermally Fused Melamine
Manufacturer	Wilsonart
Model	N/A
Dimensions	Standard panels are 49 and 61 inches. Standard panel lenth is 97 inches.
Color	Gray 1500-60
Finish	Matte
Material Composition	Laminate Composition: Melamine saturated decorative layers thermally fused to both core face surfaces with heat and pressure. Stain resistant surface with wear and scratch resistance.
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023 - Interior Architectural Woodwork
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Thermally Fused Laminate/1500-60 Gray
Warranty	1 Year
Notes	Panel Core Material: Composite panel product composed primarily of cellulosic materials and a bonding system, resulting in a durable and dimensionally stable substrate suitable for decorative laminate overlays. Panel core material can be particleboard or medium density fiberboard.

SPECIAL INSTRUCTIONS

All substrates should be sanded smooth, and should be clean and free of oil or grease, and uniform in thickness.

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524
Email: morgena@wilsonart.com

ALTERNATE MANUFACTURER 2

AREAS

Welcome Desk
Hub
On Us
Buffet
Flex

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

ALTERNATE MANUFACTURER 3	Fitness Center Employee Areas Elevator Lobby Administration Lobby
ALTERNATE MANUFACTURER 4	

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

LA-007-WIL

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Plastic Laminate
Item Type	Type 107 General Purpose (HGS) Laminate
Description	General purpose laminate product
Manufacturer	Wilsonart
Model	#7850-12
Dimensions	0.045" Plus Minus 0.005" Thickness, Standard Sheet Widths 36", 48", 60" x Standard Sheet Lengths 96", 120", 144"
Color	Beigewood
Finish	Matte
Material Composition	Melamine impregnated decorative surface papers combined with fire retardant phenolic treated kraft paper
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023 - Interior Architectural Woodwork
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Beigewood 7850-12 Matte
Warranty	1 Year
Notes	Recommended substrates for laminates are Particleboard, Medium Density Fiberboard (MDF) or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates.

SPECIAL INSTRUCTIONS

1. Run grain direction vertically unless noted otherwise.
2. PVC Edgebanding:
a. Exposed Ends: Grade VGS plastic laminate or minimum 0.030-inch thick PVC edge banding. Color to match exposed faces.
b. Semi-exposed Ends; Grade VGS plastic laminate or minimum 0.030-inch thick PVC edge banding. Color to match exposed faces.
3. Melamine at all vertical surfaces/HPL at all horizontal surfaces
4. Elevator Interior Cab: Materials shall comply with NEMA LD-3
a. Fire-Retardant Treated Particleboard Panels : Minimum ½-inch thick backup for plastic laminate veneered panels, provided with suitable anti-warp backing; to meet ASTM E84 Class “A” rating with flame-spread rating of 25 or less.

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

LA-007-WIL

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

MANUFACTURER	AREAS
Vendor Name: Wilsonart International Contact Name: Amy Morgenweck Phone: 917-951-6524 Email: morgena@wilsonart.com	Elevators
ALTERNATE MANUFACTURER 2	
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

LA-008-WIL

Revision 1

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Item Name	Plastic Laminate
Item Type	Type 107 General Purpose (HGS) Laminate
Description	General purpose laminate product
Manufacturer	Wilsonart
Model	8211-60
Dimensions	0.045" Plus Minus 0.005" Thickness, Standard Sheet Widths 36", 48", 60" x Standard Sheet Lengths 96", 120", 144"
Color	Phantom Pearl
Finish	Matte
Material Composition	Melamine impregnated deccorative surface papers combined with fire retardant phenolic treated kraft paper
CSI #	064023 - Interior Architectural Woodwork
Omniclass #	22-064023
Fire/Smoke Rating	ASTM E-84 Flame Spead 50, Smoke Density 45 Unbonded. Flame Spread 40, Smoke Density 100 Bonded
Best Practices	17% Post-consumer content, Greenguard Certified
Quality Standards	Architectural Woodwork Standards (AWS); ANSI 3. A161.2 “Standards for Fabricated High Pressure Decorative Laminate Countertops”, NEMA LD3 “High Pressure Decorative Laminates”
Accessories	Manufacturer's recommended adheisve
Part of an Assembly	N
Product/Color	Phantom Pearl 8211-60
Warranty	1 Year
Notes	Recommended substrates for laminates are Particleboard, Medium Density Fiberboard (MDF) or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates. Refer to Design Guide Project Master, Section 12 32 16 for Casework and 12 36 23 for Countertops.

SPECIAL INSTRUCTIONS

Run grain direction vertically unless noted otherwise.
PVC Edgebanding
Melamine at all vertical surfaces/HPL at all horizontal surfaces

MANUFACTURER

Vendor Name: Wilsonart International
Contact Name: Amy Morgenweck
Phone: 917-951-6524

AREAS

Guest Laundry

Real Living Decor Package

Issue Date: Aug 30, 2021
Revision Date: Nov 23, 2022

Email: morgena@wilsonart.com	
ALTERNATE MANUFACTURER 2	
ALTERNATE MANUFACTURER 3	
ALTERNATE MANUFACTURER 4	

TECHNICAL DATA
Wilsonart® Laminate
Basic Types 107, 335, 350

Wilsonart®
ENGINEERED SURFACES

2501 Wilsonart Dr
PO Box 6110
Temple, TX 76503-6110

1. Manufacturer

Wilsonart LLC
2501 Wilsonart Drive
P.O. Box 6110
Temple, Texas 76503-6110
Phone: (254) 207-7000; (800) 433-3222
Fax: (254) 207-2384
Web Site: www.wilsonart.com

2. Product Description

Recommended Uses

Wilsonart® Laminate, types 107, 335, and 350, is suitable for use on fine quality residential and contract furniture, fixtures and casework, and also for architectural application on columns, wainscoting, valances, cornices, interior doors and divider systems.

- **General Purpose (HGS) Type 107** is most frequently used for work surfaces on counters, islands, vanities, desks and tables. Typical vertical uses include surfacing for wall panels, teller cages and the front panels of workstations, such as those in hospitals, airports and restaurants. Type 107 is produced for both horizontal and vertical interior applications where the surface must be functional, durable and decorative.
- **Vertical Surface (VGP) Type 335** is the usual choice to surface cabinet walls, doors and drawer panels. It often appears on the vertical surfaces of desks, restaurants booths and maître d' stations, and as architectural cladding. Type 335 is intended for vertical applications where a functional, durable, decorative surface must absorb somewhat less impact than a comparable horizontal surface. VGP surfaces may be postformed to achieve radius edges.
- **Postforming (HGP) Type 350** adds the decorative capability of a soft edge to any typical laminate use. Common applications of post forming laminates are formed edges for counters, desktops, cabinet doors and drawer panels. Type 350 is intended for use on vertical and horizontal interior surfaces where it is necessary or desirable to roll the laminate on a simple radius over the edge of the substrate. This eliminates seams and leaves an attractive surface.

Product Composition

Decorative surface papers impregnated with melamine resins are pressed over Kraft paper core sheets impregnated with phenolic resin. These sheets are then bonded at pressures greater than 1000 pounds per square inch at temperatures approaching 300°F (149°C). Finished sheets are trimmed, and the backs are sanded to facilitate bonding.

Basic Limitations

Wilsonart Laminate is for interior use only and is not recommended for direct application to plaster, concrete walls, or gypsum wallboard. It is not structural material and must be bonded to a suitable substrate.

Do not subject Wilsonart Laminate to extremes in humidity, temperatures higher than 275°F (135°C) for substantial periods of time, or intense, continuous, direct sunlight.

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Patterns & Colors
Available in the full range of Wilsonart solid colors, stones, marbles, woodgrains, leathers and patterns. See all patterns and colors at www.wilsonart.com. Please see actual sample before specifying.

Finishes – Confirm finish availability on individual designs by going to www.wilsonart.com

- #01 High Gloss - Premium
  A mirror sheen finish, which gives a smooth, brilliant appearance. #01-High Gloss finish also features AEON™™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and can be used for horizontal applications such as countertops and light-to-medium commercial applications. Excellent for vertical applications and carries a premium upcharge.
  Nominal Glossometer Reading = 110
- #07 Textured Gloss - Premium
  A fine textured finish with a sheen level indicative of a waxed wood, polished stone, or other moderately reflective materials. #07 finish features AEON™™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 42
- #12 SoftGrain - Premium
  A dense wood grain structure that is low gloss and soft to the touch. Subtle highlights of reflectivity randomly occur within the embossed grains, creating a sophisticated raw wood look. #12 finish features AEON™™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 8
- #16 Casual Rustic - Premium
  A woodgrain texture with a blend of grain variations ranging from linear to subtle movement with random, irregular features. The overall low gloss surface is accented with higher sheen woodgrain ticking and random highlights. #16 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 6
- #18 Linearity - Premium
  A directional texture running the length of the sheet, having a narrow, random and matte-gloss linear quality. It is complementary to linear wood-grains, and linear patterns (such as the “Satin” series), and provides dimension and visual movement to solid colors. #18 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 18
- #19 Leno Weave – Premium
  Random intersecting horizontal and vertical lines create a geometric weave with a matte-gloss finish. Recommended for horizontal and vertical applications. #19 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 15
- #21 Soft Silk – Premium
  A smooth, ultra-matte finish with a silky, soft touch. This minimalist finish gives the surface a genuine stone feel. Recommended for horizontal and vertical applications. #21 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge,
  Nominal Glossometer Reading = 8
- #22 Antique - Premium
  A mixture of varying low gloss features combined with organic movement, indicative of the surface of an aged stone or an antique metal. Recommended for horizontal and vertical

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applications. Antique features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
Nominal Glossometer Reading = 9

- #28 Gloss Line - Premium
  A linear woodgrain texture with varied widths of narrow grain structures in an alternating mix of matte and gloss surfaces areas. Recommended for horizontal and vertical applications. Gloss Line features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 5
- #35 Mirage-Ultra Premium
  Subtle variations in matte and gloss finish connect to nature's own finishes: rough and weathered, smooth and polished. Wilsonart HD premium pricing. Recommended for horizontal and vertical applications.
  Nominal Gloss Reading = 50
- #38 Fine Velvet Texture
  A smooth textured finish with moderate reflective value.
  Nominal Glossometer Reading = 14
- #52 Quarry - Premium
  Premium finish emulating the "pitted" look of polished natural stone. Recommended for horizontal and vertical applications. #52 features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium upcharge.
  Nominal Glossometer Reading = 55
- #55 Glaze-Ultra Premium
  A layering of matte features over a semi-gloss glaze, creates this timeworn effect. Wilsonart HD premium pricing. Recommended for horizontal and vertical application.
  Nominal Gloss Reading = 25
- #57 Aligned Oak – HD Premium
  Authentic realism is brought to the surfaces using synchronized texture as each elegantly aged oak design exhibits the natural dimension and feel or real world. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 7
- #60 Matte
  Textured finish with a moderate reflective quality. Recommended for horizontal and vertical applications.
  Nominal Glossometer Reading = 10
- #78 FineGrain - Premium
  The FineGrain premium finish features the polish and luxe of a real wood veneer, with a subtle, narrow grain structure that runs the length of the sheet. #78 finish features AEON™ ENHANCED SCRATCH & SCUFF-RESISTANT PERFORMANCE TECHNOLOGY, and carries a premium.
  Nominal Glossometer Reading = 38

NOTE: Nominal Glossometer readings are made at a 60° angle of incidence.

Finish Availability: Not all finishes are available in all patterns and colors. Some finish options have limited size availability. Please check with your Wilsonart representative or consult the pattern availability lookup on our website at www.wilsonart.com, to verify size availability by finish type.

Standard Sheet Widths

36"	48"	60"
914mm	1219mm	1524mm

Standard Sheet Lengths

96"	120"	144"
2438mm	3048mm	3658mm

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NOTE: Not all sizes are available from stock; contact your Wilsonart representative for details on local availability. Minimums apply to non-standard designs and finishes in sizes other than 48"x96" and 60"x144". Please check with your Wilsonart representative.

Thickness and Weight

Description	107	335	350
Thickness	0.045" ± 0.005" (1.14mm ± 0.13mm)	0.028" + 0.001 - 0.004" (0.71mm + 0.03 - 0.10mm)	0.036" ± 0.005" (0.91mm ± 0.13mm)
Weight per square foot	0.322#	0.186#	0.260#

3. Technical Data

Physical Properties of General Purpose Laminates

ISO 4586 Test	Typical Wilsonart Type 107	ISO 4586-3 HGS
Thickness	0.045" ± 0.005" (1.14mm ± 0.13mm)	N/A
Appearance	N/A	N/A
Light Resistance	Slight effect	Slight Effect
Cleanability (cycles)	10	10
Stain Resistance Reagents 1-10 Reagents 11-15	 No effect Slight effect	 No effect Moderate effect
Boiling Water Resistance	Slight Effect (Gloss) No Effect (Other Finishes)	Slight Effect (Gloss) No Effect (Other Finishes)
High Temperature Resistance	Slight effect	Slight Effect (Gloss) No Effect (Other Finishes)
Impact Resistance	65" (1651mm)	31.5" (800mm)
Radiant Heat Resistance	210 seconds	≥ 200 sec.
Dimensional Stability Machine Direction Cross Direction	 0.3% 0.7%	 1.1% (max.) 1.4% (max.)
Surface Wear Resistance (cycles)	Meets or Exceeds 400	350 (min.)
Formability	Not applicable	Not applicable
Blistering	Not applicable	Not applicable

Physical Properties of Vertical Surface Laminates

ISO 4586 Test	Typical Wilsonart Type 335	ISO 4586-3 VGP
Thickness	0.028" + 0.001 - 0.004" (0.7mm + 0.03 - 0.10mm)	N/A
Appearance	N/A	N/A
Light Resistance	Slight effect	Slight effect
Cleanability (cycles)	10	20 (max.)
Stain Resistance Reagents 1-10 Reagents 11-15	 No effect Slight effect	 No effect Moderate effect

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Boiling Water Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
High Temperature Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
Impact Resistance	**40" (1016mm)**	23.5" (600mm)
Radiant Heat Resistance	**200 seconds**	≥ 200 sec.
Dimensional Stability Machine Direction Cross Direction	**0.5% 0.8%**	1.1% (max.) 1.4% (max.)
Surface Wear Resistance (cycles)	**Meets or Exceeds 400**	350 (min.)
Formability	**5/16" radius (7.93mm)**	7/16" radius (11mm) 9/16" radius(14.7mm)
Blistering	**45 seconds**	≥ 40 seconds

*Radius for face is actually the radius of the form around which the laminate is postformed. The radius for back is actually the radius to which the decorative face is postformed.

Physical Properties of Postforming Laminate

ISO 4586 Test	**Typical Wilsonart Type 350**	**ISO 4586-3 HGP**
Thickness	**0.036" ± 0.005" (0.91mm ± 0.13mm)**	0.039" ± 0.005" (1mm ± 0.12mm)
Appearance	**N/A**	N/A
Light Resistance	**Slight effect**	Slight effect
Cleanability **(cycles)**	**10**	20
Stain Resistance Reagents 1-10 Reagents 11-15	**No effect Slight effect**	No effect Moderate effect
Boiling Water Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
High Temperature Resistance	**Slight Effect (Gloss) No Effect (Other Finishes)**	Slight Effect (Gloss) No Effect (Other Finishes)
Impact Resistance	**55" (1397mm)**	31.5" (800mm)
Radiant Heat Resistance	**205 seconds**	≥ 200 sec.
Dimensional Stability Machine Direction Cross Direction	**0.5% 0.8%**	1.1% (max.) 1.4% (max.)
Surface Wear Resistance (cycles)	**Meets or Exceeds 400**	350 (min.)
Formability*	***5/16" face (7.93mm) *3/8" back (9.52mm)**	*9/16" face (14.27mm) *3/4" back (19.05mm)
Blistering	**65 seconds**	≥ 40 seconds

*Radius for face is actually the radius of the form around which the laminate is postformed. The radius for back is actually the radius to which the decorative face is postformed.

Typical Fire Test Data

High-pressure laminates are subject to Flame Spread and Smoke Developed standards in structures where codes establish such conditions.

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Test data to determine compliance with these codes are obtained by the Steiner Tunnel Test method of the American Society for Testing Materials (ASTM-E-84, Standard Test Method for Surface Burning Characteristics of Building Materials). Tests were conducted in accordance with test method and mounting procedure as described in paragraph X1.7.2 of the test method. This procedure is cataloged by Underwriters Laboratories, Inc. as UL 723.
Here is typical data for Wilsonart laminates, averaged from two specific tests:

Typical Flame Spread and Smoke Developed Properties

Product Type	Test Condition	Flame Spread	Smoke Developed
General Purpose Type 107	Unbonded	50	45
Vertical Surface Type 335	Unbonded	45	40
Postforming Type 350	Unbonded	60	35
General Purpose Type 107	Bonded with contact adhesive to particleboard substrate; 3/8"	40	100
Vertical Surface Type 335	Bonded with contact adhesive to particleboard substrate; 3/8"	40	155
Postforming Type 350	Bonded with contact adhesive to particleboard substrate; 3/8"	50	140

When you wish to specify decorative laminate for a Class I or A fire rating, please refer to the Fire-Rated Laminate Tech Data.

Model Code Designations used to determine flame spread classification

Flame Spread Classification (Max. Rating)	International (IBC)	Life Safety (NFPA 101)
25	A	A
75	B	B
200	C	C

RE: Architectural Woodwork Quality Standard, 8th Edition, Version 1.0, - 2003

All Model Codes regulate the generation of smoke by interior finish material. In all cases they specify a maximum smoke development rating of 450.

Codes and Certifications

General Standards
Wilsonart Laminates, types 107, 335 and 350, conform to the voluntary standards of the American National Standards Institute, for thickness, performance properties and appearance. Wilsonart Laminates 107,335 and 350 meet or exceed the International Standards Organization specifications as found in ISO 4586, titled "High-Pressure Decorative Laminate (HPDL) – Sheets Based on Thermosetting Resins – Part I: specifications."

Specific Product Standards
U.S. Federal Specification L-P 508H, April 9, 1977, "Plastic Sheets, Laminated, Decorative and Non-decorative." Spells out criteria for decorative laminates for federal installations. Wilsonart 107, 335 and 350 laminates comply.

NSF International (NSF) #35 "Laminated Plastic for Surfacing for Food Service Equipment." All solid colors and printed patterns in Basic Types 107, 335 and 350, comply.

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U.S. Federal Register, August 9, 1984, Housing and Urban Development Mobile Home Construction and Safety Standard, (24CFR) 3280.203. General Purpose Type 107 and Vertical Surface Type 335 comply.

U.S. Federal Test Method, Federal Aviation Regulation, DOT, Part 25.853, Airworthiness Standards: Transport Category Airplane (Interior Finish). Vertical Surface Type 335 and Postforming Type 350 comply with parts A and C.

U.S. Federal Motor Vehicle Safety Standard (FMVSS) 302, "Flammability of Interior Materials." Basic Types 107, 335 and 350 comply.

U.S. Military Standard MIL-P-17171E (SHIPS)/Plastic Laminate. General Purpose Type 107 complies.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Laminate
No effect was exhibited except as noted (* or **) on the following:

1. Clorox Healthcare Bleach Germicidal Cleaner *
2. Clorox Healthcare Versa Sure Cleaner Disinfectant Wipes
3. Oxivir TB
4. Oxivir 1
5. Virex II 256
6. Benefect
7. PDI Super Sani-Cloth Germicidal Disposable Wipes
8. PDI Sani-Prime Germicidal Spray
9. Expose II 256
10. Stride Floral Neutral Cleaner *
11. PURELL Advanced Instant Hand Sanitizer *

Test procedure: Listed materials were placed in contact with Wilsonart® Laminate surface under 1" (25.4mm) diameter watch cover glass for 16 hours duration prior to evaluation for effect. The branded cleaners and sanitizers listed above were cleaned with water only.

* *Causes slight change of gloss or color.*
** *Causes slight damage, with degree of damage proportionate to length of exposure and concentration.*

4. <u>Installation: Fabrication and Assembly Recommendations</u>

Fabrication should follow approved methods. Assembled pieces should meet the specifications of KCMA (Kitchen Cabinetmakers Manufacturers Association), ANSI A-161.2-1998 (revised), and "Architectural Woodwork Quality Standards, Guide Specifications and Quality Certification Program" guidelines of the Architectural Woodwork Institute where applicable.

Wilsonart laminates must be bonded to a substrate of reliable quality, such as particleboard, medium density fiberboard or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates. Basic Types laminate may not be used as structural members.

Bond with adhesives and follow the techniques recommended by the adhesive manufacturer. Recommended adhesives are permanent types, such as urea and polyvinyl acetate (PVA), and contact types. Wilsonart adhesives are recommended for most bonding conditions.

To avoid stress cracking, do not use square-cut inside corners. All inside corners should have a minimum of 1/8" (3.175mm) radius and all edges should be routed smooth.

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Drill oversized holes for screws or bolts. Screws or bolts should be slightly countersunk into the face side of a laminate-clad substrate.
Take care to ensure an appropriate acclimation between the laminate and the substrate prior to fabrication. The face and backing laminates and the substrate should be conditioned in the same environment for 48 hours before fabrication.
Recommended conditioning temperature is about 75°F (24°C). Laminates should be conditioned at 45% to 55% relative humidity.

With postforming machinery, Wilsonart 335 and 350 will postform at a nominal sheet temperature range of 325°F to 338°F (163°C to 170°C) in 20 ± 5 seconds.

Carbide-tipped saw and router blades should be used for cutting. High tool speed and low feed speed are advisable. Cutting blades should be kept sharp. Use a hold-down to prevent any vibration.

5. **Warranty**

6. **Maintenance**

7. **Technical Services**

For samples, literature, questions or technical assistance, please contact our toll-free Hotline at (800) 433-3222, Monday through Friday, 8 am – 5 pm, CST.

Specification Form:

Surface shall be Wilsonart® Laminate, produced by Wilsonart LLC, Temple, Texas 76503-6110

Type: Specify 107, 335 or 350

Surface
Color Number: _____ Color Name: _____

Finish
Number: _____ Name: _____

Edge Trim
Color Number: _____ Color Name: _____

Adhesive
Name: _____ Grade/Type: _____
Brand: Wilsonart® Adhesive

Wilsonart® Laminate Technical Data
Basic Types 107, 335, 350
Revised: September 12, 2019
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Underlayment

Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

UL-002-LA

Revision 1

Real Living Decor Package

Issue Date: Nov 23, 2022
Revision Date:

Item Name	Tile Underlayment
Item Type	Crack Suppression Membrane
Description	High performance, pliable, light weight peel and stick membrane underlayment system that minimizes impact noises and the transmission of cracks
Manufacturer	Laticrete International
Model	Fracture Ban 90 (90 mils)
Dimensions	2.3mm thick; 39.25 in. x 30.6 ft Roll
Material Composition	Rubberized membrane
CSI #	09 30 00 Tiling
Omniclass #	22 - 093000 Tiling
Acoustical Performance	Airborne Sound ASTM E90
Structural Performance	ANSI A118.12, ANSI A118.13
Best Practices	Contains Recycled Content
Quality Standards	Impact Insulation Class (IIC) ASTM E2179
Accessories	Primer: As required by the membrane manufacturer.
Thickness	2.3mm
Sound Reduction	IIC = 50; STC = 57
Roll Length	30.6 ft (100 ft² coverage, 24 rolls per pallet)
Product	Fracture Ban 90 (90 mils)
Width	39.25 in.
Warranty	DS 025.0: 25 Year System Warranty DS 230.05: 5 Year System Warranty DS 230.10: 10 Year System Warranty DS 230.13: 1 Year Product Warranty
Notes	1. Product that complies with ANSI A118.12 and is recommended by the manufacturer for the application indicated. Include reinforcement and accessories recommended by manufacturer. 2. Provide self-bonding elastomeric membrane capable of heavy-duty service per ASTM C627. Liquid-applied products will not be allowed.

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Laticrete International
Contact Name: Anita J. Hellickson
Phone: 800.243.4788
Email:

ALTERNATE MANUFACTURER 2

AREAS

Lobby
Public Restrooms
Entrance Vestibule
Welcome Desk
Hub

Real Living Decor Package

Issue Date: Nov 23, 2022
Revision Date:

ALTERNATE MANUFACTURER 3	Community Buffet In-A-Pinch On Us
ALTERNATE MANUFACTURER 4	

FRACTURE BAN™

DS-155-0621

Globally Proven Construction Solutions

1. PRODUCT NAME
FRACTURE BAN™

2. MANUFACTURER
LATICRETE International, Inc.
1 LATICRETE Park North
Bethany, CT 06524-3423 USA
Telephone: +1.203.393.0010, ext. 1235
Toll Free: 1.800.243.4788, ext. 1235
Fax: +1.203.393.1684
Website: laticrete.com

3. PRODUCT DESCRIPTION
A high performance, pliable, light weight peel and stick membrane designed for use under thin-bed adhesives for ceramic tile, stone and other hard surface installations. This reinforced high strength membrane performs as an anti-fracture and an acoustical underlayment system that eliminates the transmission of stresses from the substrate while dampening the transmission of impact and air borne noise through the floor to the room below. The unique design of this peel and stick membrane allows for usage in both commercial and residential settings where a quick dependable turnaround is required.

Uses
- Residential and commercial
- Retail, malls and stores
- Offices, hotel/motel, hospitals
- Apartment and condo buildings

Advantages
- Provides anti-fracture/sound reduction in one convenient easy to install product
- For installation requiring a quick dependable turnaround
- Hot-applied polymer modified asphaltic adhesive coated on a 100% polyester non-woven with a 60# release liner paper
- Has a white non-woven surface for easy chalk line identification
- Provides a water resistive barrier
- Prevents in plane cracks up to 3/8” (9.5 mm)

Suitable Substrates
- Cement Mortar Bed
- Exterior Glue Plywood (Interior Only)
- Oriented Strand Board (OSB)
- Precast Floor Panels
- Gypsum Underlayments
- Radiant Heated Floors
- Ceramic Tile
- Terrazzo
- Stone
- Self-Leveling and Patching Compounds
- Backer Board
- Existing VAT
- VCT and Vinyl Floors
- Concrete

Packaging
One roll of FRACTURE BAN 40 is 40 mils (1 mm) thick 39.25 in. x 69 ft (1 m x 21 m) or 225 ft² (21 m²). 24 rolls per pallet.

One roll of FRACTURE BAN 90 is 90 mils thick (2.3 mm) 39.25 in. x 30.6 ft (1 m x 9.33 m) or 100 ft² (9.3 m²). 24 rolls per pallet.

FRACTURE BAN Primer
4x1 Gal (4x3.8L) Carton, 48 per pallet
5 Gal (18.9 L) plastic pail, 28 per pallet
245 Gal (927.4 L) heavy-duty intermediate bulk container (IBC)

Approximate Coverage
- One roll of FRACTURE BAN 40 covers 225 ft² (20.9 m²)
- One roll of FRACTURE BAN 90 covers 100 ft² (9.3 m²)

FRACTURE BAN Primer is a concentrate and must be diluted with clean potable water at a 1:1 (primer:water) ratio. Mix/stir concentrate thoroughly prior to and after diluting.

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for one (1) year if stored at temperatures >32°F (0°C) and <110°f (43°c).>

Limitations

- FRACTURE BAN™ is not intended for use as a waterproofing membrane. When a waterproofing membrane is required, use a LATICRETE® Waterproofing Membrane (see Section 10 FILING SYSTEMS).
- FRACTURE BAN can only be used in wet areas with NXT® Epoxy Primer
- Do not install moisture-sensitive tile or stone with water based setting materials on top of FRACTURE BAN peel & stick membranes. Also, dimensionally weak natural stone tile that normally would not be categorized as moisture sensitive; such as travertine, limestone, marble and agglomerates can exhibit doming, cupping or curing when wet-set using medium-bed mortar methods of installation over impervious sheet membranes such as FRACTURE BAN. For this reason, areas requiring more than 3/8” (10 mm) buildup require the use of a NXT™ self-leveling underlayment’s or cured 3701 Fortified Mortar application before installation of FRACTURE BAN. When installing natural stone, always do a mockup area of the proposed installation and allow materials to reach full cure to ensure achieving the desired effect.
- Not recommended for use on concrete floors where hydrostatic head pressure exists or moisture vapor transmission in excess of 5 lbs. per 1000 ft² per 24hrs (283?g/s• m^2) as determined by calcium chloride kit test ASTM F1869 is present or 75% RH when tested per ASTM F2170. If the moisture vapor transmission is greater than 5 lbs. per 1000 ft² per 24hrs (283?g/s• m^2) then first coat the concrete floor using NXT Vapor Reduction Coating according to Data Sheet DS 507.0 then proceed with the FRACTURE BAN Primer and FRACTURE BAN membrane application.
- Not recommended for use where horizontal floor movement is greater than 1/4" (6.4 mm). Existing cracks larger than 3/16" (4.8 mm) should be prepared with proper backing material prior to installation of membrane
- Not recommended to cover joints or cracks larger than 3/8" (9.5 mm)
- Not recommended for use where vertical floor movement is present
- For installations over plywood subfloors, please refer to TCNA Method F125A. For expansion joints, reference TCNA Method EJ171
- Must be covered with ceramic tile, stone, or other hard finish. Use protection board for temporary cover prior to finishing horizontal surfaces.
- Do not use solvent based sealants or sealers where contact with membrane may occur
- Do not install when surface temperature is below 40°F (4°C), when ambient temperature is expected to be below 50°F (10°C) during placement or before material takes final set or when temperature will be above 90°F (32°C).
- Do not allow FRACTURE BAN Primer to freeze.
- Do not install FRACTURE BAN or FRACTURE BAN Primer over particleboard, chipboard, hardboard (Masonite), Luan panels, asbestos, interior glue plywood, gypsum-based patching materials, asphalt, coal tar, or lightweight insulating concrete or any other dimensionally unstable materials.
- If FRACTURE BAN is going to be used on an exterior application, FRACTURE BAN Primer must be replaced with NXT® Vapor Reduction Coating and used along with FRACTURE BAN 40 only. Apply the NXT® Vapor Reduction Coating according to DS 507 and then install the FRACTURE BAN 40 directly to the surface primed with the NXT® Vapor Reduction Coating.
- If FRACTURE BAN is going to be used on an exterior application, FRACTURE BAN Primer must be replaced with VAPOR BAN™ Primer ER and used along with FRACTURE BAN 40 only. Apply the VAPOR BAN™ Primer ER according to DS 35222 and then install the FRACTURE BAN 40 directly to the surface primed with the VAPOR BAN™ Primer ER .
- Note: Surfaces must be structurally sound, stable and rigid enough to support ceramic/stone tile, thin brick and similar finishes. Substrate deflection under all live, dead and impact loads, including concentrated loads, must not exceed L/360 for thin bed ceramic tile/brick installations or L/480 for thin bed stone installations where L=span length.

Cautions

- Consult SDS for safety information.
- During cold weather, protect finished work from traffic until fully cured.
- Read and understand the Product Data Sheet and Safety Data Sheet.
- Perform a mock-up to ensure product will perform as required.
- Check www.laticrete.com for any technical bulletins or updated information about the product and its application.
- FRACTURE BAN Primer causes serious eye irritation. In case of eye contact, wash immediately with water.
- Wear gloves and protective goggles.
- When spraying FRACTURE BAN Primer, avoid breathing the fine mist and use a NIOSH approved respirator.
- Contact LATICRETE Technical Services for more information or to answer questions regarding installation.
- Not for submerged applications.
- Keep FRACTURE BAN Primer out of reach of children.

- When treating cracks in a concrete floor or going over saw cut joints install the FRACTURE BAN must be applied a minimum of 3 times the width of the tile being installed. The tile installed over the crack cannot be in contact with the concrete. Follow TCNA Method F125 for the treatment of hairline cracks, shrinkage cracks, and saw cut or control joints. A LATICRETE polymer fortified thin-set should be used to feather the edge of the membrane at least 12" (305 mm) from the edge in order to eliminate any abrupt changes in surface height.

4. TECHNICAL DATA

Applicable Standard

- ANSI A118.12, ANSI A118.13, ASTM C627, ASTM E2179, ASTM E492, ASTM E90

Physical Properties

Standard	Description	Requirement	Test Result	
			40 mil	90 mil
ASTM C627	Robinson Floor Test	Cycles 1 - 14	Extra Heavy	Heavy
ASTM E2179	IIC Rating	Calculate	42	50
ASTM E2179	ΔIIC	›10	14	18
ASTM E90	Airborne Sound	Calculate	54	57

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

5. INSTALLATION

•

Surface Preparation

All substrates must be structurally sound, clean and free of dirt, oil, grease, paint, laitance, efflorescence, concrete sealers or curing compounds. Make rough or uneven concrete smooth to a wood float or better finish with a underlayment. Do not level with asphalt based products. Maximum deviation in plane must not exceed 1/4" in 10 ft (6 mm in 3 m) with no more than 1/16" in 1 ft (1.5 mm in 0.3 m) variation between high spots. Refer to Technical Data Sheet 152 “Bonding Ceramic Tile, Stone or Brick Over Wood Floors” (refer to section 10, FILING SYSTEMS).

For concrete floor construction:

To remove any bond-inhibiting materials, clean the surface by mechanically grinding to obtain an International Concrete Repair Institute (ICRI) concrete surface profile (CSP) #2. If the concrete requires further grinding to clean the surface causing a higher CSP, smooth the surface using a slurry bond coat of 254 Platinum or a NXT™ patching or self leveling underlayment.

For wood floor construction:

1. Installer must verify that deflection under all live, dead and impact loads of interior plywood floors does not exceed industry standards of L/360 for ceramic tile and brick or L/480 for stone installations where L=span length.

2. Minimum construction for interior plywood floors.

SUBFLOOR: 5/8" (15 mm) thick exterior glue plywood, either plain with all sheet edges blocked or tongue and groove, over bridged joists spaced 16" (400 mm) o.c. maximum; fasten plywood 6" (150 mm) o.c. along sheet ends and 8" (200 mm) o.c. along intermediate supports with 8d ring-shank, coated or hot dip galvanized nails (or screws); allow 1/8" (3 mm) between sheet ends and 1/4" (6 mm) between sheets edges; all sheet ends must be supported by a framing member; glue sheets to joists with construction adhesive.

UNDERLAYMENT: 5/8" (15 mm) thick exterior glue plywood fastened 6" (150 mm) o.c. along sheet ends and 8" (200 mm) o.c. in the panel field (both directions) with 8d ring-shank, coated or hot dip galvanized nails (or screws); allow 1/8" (3 mm) to 1/4" (6 mm) between sheets and 1/4" (6 mm) between sheet edges and any abutting surfaces; offset underlayment joists from joints in subfloor and stagger joints between sheet ends; glue underlayment to subfloor with construction adhesive. Refer to Technical Data Sheet 152 “Requirements for Direct Bonding of Ceramic or Stone Tiles Over Wood Floors” for complete details.

Application

1. Install FRACTURE BAN™ to a clean properly prepared and primed floor as described in the FRACTURE BAN Primer Data Sheet.

2. Measure the area and cut membrane length 6” to 8” (152-203 mm) longer than needed to allow for a trimmed fit.
3. Lay the pre-cut membrane directly on subfloor with release liner side down.
4. Pull release paper off membrane while hand-smoothing ridges and air pockets to ensure a good bond with 100% contact with subfloor. Once release paper is pulled from membrane an immediate bond will form. It may be extremely difficult to pull membrane from floor once bonded.
5. Trim excess material as needed at walls, corners or termination areas.
6. Apply the next roll in the same fashion as the first roll insuring that the each roll butts up to the previous roll without any gaps.
7. Do not overlap the edges in order to provide a flat surface for subsequent wear surface installation.
8. To ensure a good bond between the FRACTURE BAN and the primed floor, roll the surface with a 75-100 lb. (34-45 kg) floor roller after each section of FRACTURE BAN is installed.
9. Install tile using the appropriate LATICRETE® polymer fortified thin-set.

Perimeter Isolation Strip

When using FRACTURE BAN as an acoustical underlayment it is essential that all walls and building elements are isolated from the floor. The use of acoustical ceiling panels in the space below would provide additional sound control.

Exterior Applications

When applying the NXT® Vapor Reduction Coating according to DS-507 and then install the FRACTURE BAN 40 directly to the surface primed with the NXT® Vapor Reduction Coating. When applying the VAPOR BAN™ Primer ER according to DS-35222 and then install the FRACTURE BAN 40 directly to the surface primed with the VAPOR BAN™ Primer ER. *Note: It is recommended to install a perimeter isolation strip before placing and trimming FRACTURE BAN Membrane. Attach the perimeter isolation strip to the perimeter wall of the entire subfloor, as well as around the perimeter of any protrusions, in order to isolate or break the vibration transmission path between the floor and the wall. Temporarily fasten perimeter isolation strip in place with masking, duct, or carpet tape. The perimeter isolation strip can then be removed after the tiles have set firm. The joints can then be filled with an appropriate acoustical sealant.*

All surfaces must be primed prior to the installation of FRACTURE BAN. FRACTURE BAN Primer is a concentrate and must be diluted with clean potable water prior to application. Always stir or shake FRACTURE BAN Primer concentrate prior to diluting. Water must always be carefully measured in order to ensure proper dilution is achieved. Use a mixing paddle to thoroughly combine primer and water. FRACTURE BAN Primer can be broom, roller, mop, or spray applied. Substrate temperature must be a minimum 40°F (4°C) during primer application and throughout drying time. Additionally, air temperature must be maintained between 50–90°F (10–32°C) during primer application and throughout drying time. The primed surface must also be protected from weather, water and direct sunlight.

6. AVAILABILITY AND COST

Availability

LATICRETE materials are available worldwide.

For Distributor Information, Call:

Toll Free: 1.800.243.4788
Telephone: +1.203.393.0010

For on-line distributor information, visit LATICRETE at **laticrete.com**

Cost

Contact a LATICRETE Distributor in your area.

7. WARRANTY

See 10. FILING SYSTEM:

- DS 025.0: 25 Year System Warranty
- DS 230.05: 5 Year System Warranty
- DS 230.10: 10 Year System Warranty
- DS 230.13: 1 Year Product Warranty

8. MAINTENANCE

Non-finish LATICRETE and LATAPOXY installation materials require no maintenance but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

9. TECHNICAL SERVICES

Technical Assistance

Information is available by calling the LATICRETE Technical Service Hotline:

Toll Free: 1.800.243.4788, ext. 1235
Telephone: +1.203.393.0010, ext. 1235
Fax: +1.203.393.1948

Technical and Safety Literature

To acquire technical and safety literature, please visit our website at **laticrete.com.**

Data Sheets are subject to change without notice. For latest revision, visit laticrete.com.

10. FILING SYSTEM

Additional product information is available on our website at laticrete.com. The following is a list of related documents:

- DS 230.13: LATICRETE® Product Warranty
- DS 025.00: LATICRETE 25 Year System Warranty
- DS 230.10: LATICRETE 10 Year System Warranty
- DS 230.05: LATICRETE 5 Year System Warranty
- TDS 152: Bonding Ceramic Tile, Stone or Brick Over Wood Floors
- DS 156.0: FRACTURE BAN™ Primer
- DS 663.0: HYDRO BAN®
- DS 236.0: 9235 Waterproofing Membrane
- DS 155.0: 3701 Fortified Mortar
- DS 029.3: NXT® Epoxy Primer

LATICRETE International, Inc.
One LATICRETE Park North, Bethany, CT 06524-3423 USA • 1.800.243.4788 • +1.203.393.0010 • www.laticrete.com
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Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

UL-003-LA

Revision 1

Real Living Decor Package

Issue Date: Nov 23, 2022
Revision Date:

Item Name	Tile Underlayment
Item Type	Floor Leveling Compound
Description	Premium quality, high yielding, fast-drying, fiber reinforced, cement-based underlayment for skim-coating, smoothing and leveling floor substrates
Manufacturer	Laticrete International
Model	Skim Lite
Dimensions	Not Applicable
Material Composition	Cement-Based, fiber reinforced, with high polymer content
CSI #	09 30 00 Tiling
Omniclass #	22 - 093000 Tiling
Compressive Strength	ASTM C109 1800 to 2100 psi (12.4 to 14.8 MPa)
Structural Performance	Flexural Strength (ASTM C1708) - 900 to 1000 psi (6.2 to 6.9 MPa); Tensile Strength (ASTM C1585) - 300 to 400 psi (2.1 to 2.8 MPa)
Warranty	DS 230.13: 1 Year Product Warranty
Notes	1. For areas up to 4 square feet only: a. Feather finish, use to smooth ridges, fill cracks, gouges and joints. b. Trowelable underlayment patch for thickness up to ½ inch without aggregate; up to 1-inch with aggregate. Can be feather edged. 2. Maximum variation in surface of leveling coat shall not exceed 1/8" in 8'-0" from required plane. 3. Leveling coat shall be cured at least 24 hours before tile is applied. 4. Surface to which leveling coat is to be applied shall be free of any coatings, oil, and wax.

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Laticrete International
Contact Name: Anita J. Hellickson
Phone: 800.243.4788
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Lobby
Public Restrooms
Entrance Vestibule
Welcome Desk
Hub
Community
Connection Center
Buffet
In-A-Pinch
On Us

SKIM LITE

DS-506-0721

Globally Proven Construction Solutions

1. PRODUCT NAME
SKIM LITE

2. MANUFACTURER
LATICRETE International, Inc.
1 LATICRETE Park North
Bethany, CT 06524-3423 USA
Telephone: +1.203.393.0010, ext. 1235
Toll Free: 1.800.243.4788, ext. 1235
Fax: +1.203.393.1684
Website: laticrete.com

3. PRODUCT DESCRIPTION
Skim Lite is a premium quality, high yielding, fast-drying, fiber reinforced, cement-based underlayment designed for skim-coating, smoothing and leveling prior to the application of floor coverings. Skim Lite offers the customer light weight properties while maintaining strong surface, being rated for caster wheel use. With installer safety in mind, this product contains no respirable crystalline silica levels that exceed the OSHA action level*.

Uses
- Repairs

Advantages
- Rapid setting formula
- Ready for finished flooring in as soon as 20 minutes
- Fiber Reinforced
- High polymer content
- Apply from skim depth to 1” (25 mm)
- Contains no respirable crystalline silica levels that exceed the OSHA action level*
- Caster Wheel Safe
- 40% lighter weight formula
- Fantastic workability and consistent results
- High coverage rate
- Direct replacement for NXT Skim, SUPERCAP SkimCoat, DRYTEK Skimcoat
- Can be applied over Gypsum based substrates

* OSHA action level set forth in OSHA’s Respirable Crystalline Silica (RCS) standard for construction, 29 CFR 1926.1153, as tested by an independent laboratory to be below the OSHA action level for respirable crystalline silica - see laticrete.com/silica

Suitable Substrates
- Cement Backer Board
- Cement Mortar Bed
- Cement Terrazzo
- Ceramic Tile and Stone
- Concrete
- Non-Cushioned Sheet Vinyl
- Vinyl Tile
- Exterior Glue Plywood (Interior Only)
- Gypsum Underlayments
- Oriented Strand Board (OSB) (Interior Only)

Packaging
8 lb. bag / 96 per pallet / individually packaged
Part: 0918-0008-21

Approximate Coverage

Substrate	Coverage at a feather-edge/skim
Smooth Profile (Underlay., Plywood, etc.)	380 SQ FT* (35.3 M^2)
Rough Profile (Concrete, OSB, etc.)	190 SQ FT* (17.6 M^2)

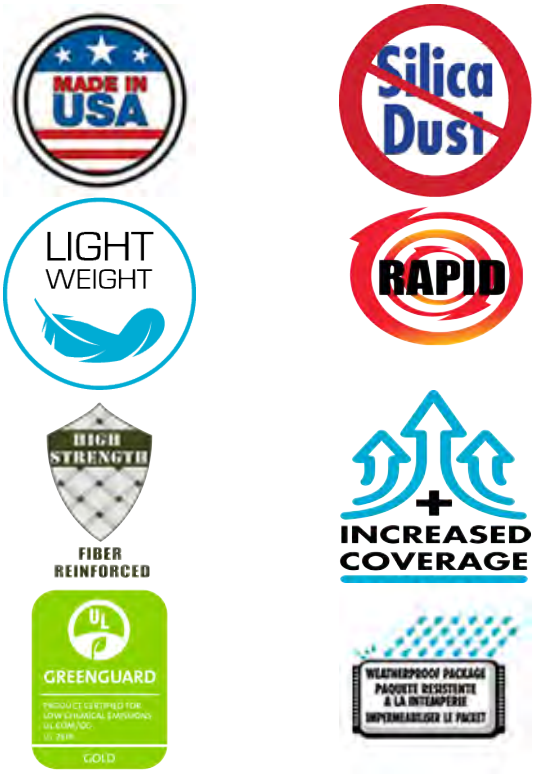
*Calculated coverage indicated is approximate. Coverage will vary depending on the texture of the surface and/or the thickness the material is applied at.

Shelf Life
Factory sealed containers of this product are guaranteed to be of first quality for one (1) year if stored off the ground in a dry area.

Limitations
- For interior use only.
- Do not install LATICRETE® SKIM LITE over particleboard, chipboard, hardboard (Masonite®), Luan panels, asbestos, asphalt, coal tar, or lightweight insulating concrete or any other dimensionally unstable materials.
- Do not install when surface temperature is below 40°F (4°C) or above 90°F (32°C).
- Do not install over painted surfaces.
- Do not exceed recommended mixing ratio as indicated in mixing instructions. Over watering will weaken product properties.
- Do not apply SKIM LITE over waterproofing or crack isolation membranes.
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not replacements for waterproofing membranes. When a waterproofing membrane is required, use a LATICRETE® Waterproofing Membrane on top of the dry SKIM LITE.
- Not for use in submerged applications.
- During cold weather, protect finished work from traffic until fully cured.
- Always refer to finished floor manufacturer's recommendations regarding installation instructions, restrictions, moisture conditions and compatibility.
- Always test performance suitability and compatibility of finished floor systems prior to their application. Sample surfaces should be installed as a field test so as to be representative of entire surface and tested for intended use.

Cautions
- Read and understand the Product Data Sheet and Safety Data Sheet.
- Check www.laticrete.com for any technical bulletins or updated information about the product and its application.
- Contact your local LATICRETE Technical Sales Representative with any questions.
- Consult SDS for more safety information.
- Contains portland cement. Causes severe skin burns and serious eye damage. May cause an allergic skin reaction. Wear protective clothing, gloves and eye protection. In case of contact, flush thoroughly with water.
- Do not take internally.
- Keep out of reach of children.

4. TECHNICAL DATA



Physical Properties

Technical Data	Results
Set Time	15 to 20 minutes*
Compressive Strength (ASTM C109)	1800 to 2100 psi (12.4 to 14.8 MPa)
Flexural Strength (ASTM C1708)	900 to 1000 psi (6.2 to 6.9 MPa)
Tensile Strength (ASTM C1585)	300 to 400 psi (2.1 to 2.8 MPa)

*Drying time is a function of jobsite temperature and other conditions such as humidity and/or installation thickness. Low substrate temperatures and/or high ambient humidity will extend the drying time.

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

5. INSTALLATION

Preparing surface for Concrete Substrate
- Clean substrate to eliminate dust, dirt, oil, grease, paint or any contaminants which may inhibit bonding. Do not use chemicals to clean substrate. Remove any loose particles and vacuum.

- Test surface bond strength of substrate. If minimum 100 psi (0.7 MPa) bond strength is not achieved or the substrate is contaminated, remove contaminants by mechanical means. Retest surface.
- Inspect for contraction joints, construction joints, and cracks in the substrate which may be subject to movement after installation of LATICRETE® SKIM LITE. These must be maintained as joints in the new surface.
- Maintain substrate temperature between 40°F (4°C) and 90°F (32°C) during application and air temperature between 50–90°F (10–32°C) during drying. Provide adequate ventilation to ensure uniform drying.
- For very absorptive concrete, apply a fine mist of water on top of the prepared concrete using a pump garden type sprayer, just prior to SKIM LITE application. Concrete should readily absorb water. Broom out excess standing water. Do not apply SKIM LITE where there is standing water on top of the concrete. If water beads or does not absorb within 60 seconds, additional surface prep is needed.

Preparing for poured Gypsum Underlayment

- Tensile strength of the gypsum underlayment must be at least 100 psi (0.7 MPa), tested in accordance with ASTM C1583.
- Any loose or damaged poured gypsum underlayment will have to be repaired.
- All dirt, oil, paint, laitance, efflorescence, sealers, curing compounds, dust, construction debris, and any other bond breaking contaminants must be removed by diamond grinding or shot blasting.
- Use of chemicals to remove contaminants is prohibited. Use of sweeping compound is not recommended as they may contain oil which will act as a bond breaker.
- Water drop test is recommended to determine if concrete is absorptive prior to application. Refer to DS-502_NXT Primer product data sheet for water drop test instruction. If the water drop test yields a non-suction/non-absorptive result the surface must be prepared by diamond grinding or shot blasting.
- Surface temperature must be 50–90°F (10–32°C) during application and for 24 hours after installation. In all cases, the surface temperature of the prepared concrete slab must be warm enough to avoid condensation on the surface of the concrete.

Embossing Non-Cushioned Vinyl Floors and VCT

Completely remove any wax or other coatings. Roughen smooth surfaces. Wash and rinse thoroughly with clean water. Allow to dry.

Preparing Ceramic Tile or Terrazzo

Ensure tiles are well bonded to the substrate. Mechanically abrade with a carborundum disk. Wash and rinse thoroughly with clean water. Allow to dry.

Preparing Non-Water Soluble Cutback Adhesive

Scrape non-water soluble cutback adhesive residue from the floor and remove excess material. Ensure remaining adhesive residue is completely dry.

Mixing

Mix 2.0 qts. (1.9 L) of clean cool water per 8 lb. (3.6 kg) bag of LATICRETE® SKIM LITE. Add product to water and mix for 3 minutes with a heavy duty drill (650 rpm) to obtain a lump free mix.

Note:

- **Material can be re-mixed to extend pot-life but do NOT add more water when re-mixing.**
- **A Helix Paint Mixer is not preferred.**

Mixing with NXT EMBOSSING ADMIX (for embossing non-cushioned vinyl and VCT flooring)

Mix 2.4 qts. (2.3 L) of NXT EMBOSSING ADMIX per 8 lb. (3.6 kg) bag of NXT SKIM. Add SKIM LITE to NXT EMBOSSING ADMIX and mix for 3 minutes with a heavy duty drill (650 rpm) to obtain a lump free mix.

Note:

- **Material can be re-mixed to extend pot-life but do NOT add more water when re-mixing.**
- **A Helix Paint Mixer is not preferred.**

Application

Apply blended material to substrate with trowel at a thickness from feather-edge to 1" (25 mm) for all surfaces. After initial set of material (approx. 10–15 min.), remove all overlap marks, seams and inconsistencies by scraping with a steel trowel. Key in but do not over trowel. Material can be walked on after 15 to 20 minutes at 70°F (21°C) or higher, depending on thickness.

Flooring Installation

Finished floor goods may be installed as soon as 20 minutes after application, subject to thickness, drying conditions and type of flooring materials. Always refer to finished floor manufacturer's recommendations regarding installation instructions, restrictions, moisture conditions and compatibility. Always test performance suitability and compatibility of finished floor systems prior to their application. Sample surfaces should be installed as a field test so as to be representative of entire surface and tested for intended use.

6. AVAILABILITY AND COST

Availability

LATICRETE materials are available worldwide.

For Distributor Information, Call:

Toll Free: 1.800.243.4788
Telephone: +1.203.393.0010

For on-line distributor information, visit LATICRETE at **laticrete.com**

Cost
Contact a LATICRETE Distributor in your area.

7. WARRANTY
See 10. FILING SYSTEM:
- DS 230.13: 1 Year Product Warranty

8. MAINTENANCE
Non-finish LATICRETE and LATAPOXY installation materials require no maintenance but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

9. TECHNICAL SERVICES
Technical Assistance
Information is available by calling the LATICRETE Technical Service Hotline:

Toll Free: 1.800.243.4788, ext. 1235
Telephone: +1.203.393.0010, ext. 1235
Fax: +1.203.393.1948

Technical and Safety Literature
To acquire technical and safety literature, please visit our website at **laticrete.com.**

10. FILING SYSTEM
Additional product information is available on our website at laticrete.com. The following is a list of related documents:
- DS 230.13: LATICRETE® 1 Year Product Warranty (United States and Canada)
- DS 503.0: NXT® Embossing Admix
- DS 502.0: NXT® Primer

LATICRETE International, Inc.
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Towneplace Suites by Marriott
INTERIOR FINISHES
New Build - Generation 5 - 89K & 112K
TownePlace Suites New Build Public Space Building

UL-004-LA

Revision 1

Real Living Decor Package

Issue Date: Nov 23, 2022
Revision Date:

Item Name	Tile Underlayment
Item Type	Mortar
Description	Lightweight one-step, polymer fortified, Large and Heavy Tile mortar for interior and exterior installation for walls and floors
Manufacturer	Laticrete International
Model	MultiMax Lite
Dimensions	Not Applicable
Material Composition	Cement-Based, fiber reinforced, with high polymer content
CSI #	09 30 00 Tiling
Omniclass #	22 - 093000 Tiling
Structural Performance	ANSI A118.15 HET, A118.4 and A118.11; ISO 13007-1
Quality Standards	ASTM C627 Extra Heavy (TCNA)
Warranty	DS 025.0: 25 Year System Warranty DS 230.13: 1 Year Product Warranty DS 230.15APD: LATICRETE 15 Year Tile & Stone System Warranty DS 230.99: LATICRETE Lifetime System Warranty (United States and Canada)

IMAGE NOT AVAILABLE

SPECIAL INSTRUCTIONS

MANUFACTURER

Vendor Name: Laticrete International
Contact Name: Anita J. Hellickson
Phone: 800.243.4788
Email:

ALTERNATE MANUFACTURER 2

ALTERNATE MANUFACTURER 3

ALTERNATE MANUFACTURER 4

AREAS

Lobby
Public Restrooms
Entrance Vestibule
Welcome Desk
Hub
Community
Buffet
In-A-Pinch
On Us

MULTIMAX™ LITE

DS-34082-1220

Globally Proven Construction Solutions

1. PRODUCT NAME
MULTIMAX™ LITE

2. MANUFACTURER
LATICRETE International, Inc.
1 LATICRETE Park North
Bethany, CT 06524-3423 USA
Telephone: +1.203.393.0010, ext. 1235
Toll Free: 1.800.243.4788, ext. 1235
Fax: +1.203.393.1684
Website: laticrete.com

3. PRODUCT DESCRIPTION
The ultimate, lightweight one-step, polymer fortified, Large and Heavy Tile mortar for interior and exterior installation of ceramic tile, porcelain tile, glass tile, stone, quarry tile, pavers and brick. MULTIMAX LITE features maximum non-sag performance on walls and maximum buildup of up to ¾" (19 mm) without shrinkage on floors. MULTIMAX LITE "contains no respirable crystalline silica levels that exceed the OSHA action level* and has a smooth, lightweight, easy-to-trowel consistency and a long open time for ease of installation. The robust formula is fiber-reinforced for maximum strength and durability, exceeding ANSI A118.15 requirements. MULTIMAX LITE utilizes LATICRETE HYDROMATIC CURE CHEMISTRY™. This technology accelerates the hydration process to rapidly consume the water in the system, allowing the material to cure in a predictable manner. MULTIMAX LITE is a LATICRETE functional equivalent to 255 MULTIMAX and exceeds its performance criteria.
Equipped with Microban Anti-Microbial Protection

***** OSHA action level set forth in OSHA's Respirable Crystalline Silica (RCS) standard for construction, 29 CFR 1926.1153, as tested by an independent laboratory to be below the OSHA action level for respirable crystalline silica - see www.laticrete.com/silica

Uses
- For wall installations of ceramic tile, porcelain tile, glass tile and stone.
- Can be used as a Large and Heavy Tile mortar for flooring installations.
- Ideal for showers, bathrooms and areas where mastic is used.

Advantages
- Lightweight- 25 lb (11.3 kg) bag has coverage of 50 lb (22.7 kg) traditional mortar
- Equipped with anti-microbial technology to protect the treated article.
- Incredible non-sag performance even with heavy tile.
- 40 Minute Open Time
- Smooth creamy
- Exceeds ISO 13007-C2TES1P1 classificatiobn
- lightweight formula.
- Submerged applications
- Exceeds ANSI A118.15 HET, A118.4 and A118.11
- ASTM C627 Extra Heavy (TCNA)
- High shear bond strength.
- Bonds to most substrates
- 25 Year System Warranty**.
- Excellent Large and Heavy Tile performance
- 3/4" (19 mm) thick without shrinkage
- One mortar for Large and Heavy Tile
- walls and thin-bed installations
- Fiber-reinforced for maximum strength and performance
- Ideal for Gauged Porcelain Tile and Gauged Porcelain Tile Panels

Suitable Substrates
- Brick Masonry
- Cement Backer Board
- Cement Plaster/Render
- Cement Terrazzo
- Concrete
- Concrete Block

- Concrete Masonry
- Existing Ceramic Tile and Stone
- Gypsum Plaster
- HYDRO BAN Board
- Mortar Bed
- Properly Prepared Vinyl Or Other Resilient Tile
- STRATA_MAT
- Exterior Glue Plywood (Interior Only)
- Gypsum Wallboard
- Plastic Laminate

Approximate Coverage

	ft^2	m^2
Wall Application 4.9 qts (4.6L) of water		
1/4" x 3/8" (6 mm x 9 mm) notched trowel	50-60	4.6 - 5.5
Large and Heavy Tile Application 5.1 qts (4.8 L) of Water		
1/2" x 1/2" (12 mm x 12 mm) notched trowel	40 - 50	3.7 - 4.6
Thin Bed Applications—5.3 qts (5 L) of Water		
1/4" x 1/4" (6 mm x 6 mm) notched trowel	85 - 95	7.9 - 8.8
1/4" x 3/8" (6 mm x 9 mm) notched trowel	60 - 70	5.5 - 6.5

Shelf Life
Advanced plastic bag provides two (2) year shelf life. (non-rapid versions only) ***High humidity will reduce the shelf life of bagged product.

Limitations
- Not for use directly over particle board, luan, Masonite® or hardwood floors.
- For veneer installations using this product, consult local building code requirements regarding limitations and installation system specifications.
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not replacements for waterproofing membranes. When a waterproofing membrane is required, use a LATICRETE® Waterproofing Membrane (see Section 10 FILING SYSTEM).
- Suitable for use with glass tile only when used as a thin bed adhesive. Maximum adhesive mortar thickness not to exceed 3/16" (4.7mm). Follow glass tile manufacturers installation instructions.

Cautions
- Consult SDS for safety information.
- Some marbles and other natural stone have low flexural strength and might not be suitable for installation over wood floors.
- Use LATAPOXY® 300 Adhesive for installing green marble or water sensitive stone and agglomerates, and resin backed tiles and stones.
- During cold weather, protect finished work from traffic until fully cured.
- For white and light-colored stones, use MULTIMAX LITE (white).

4. TECHNICAL DATA

MICROBAN

Silica Dust

Applicable Standard
- ANSI A118.15
- ANSI A118.11
- ANSI A118.4
- ISO 13007-1

Data Sheets are subject to change without notice. For latest revision, visit laticrete.com.

Physical Properties

Test	Test Method	Results
28 day Cure 20 cycle Freeze/Thaw Quarry Tile Shear Strength	ANSI A118.15 7.3.3	400-500 psi (2.7 - 3.4 MPa)
30 minute Open Time	ANSI A118.15 5.3.5	100-125 psi (0.7 - 0.8 MPa)
28 day Quarry Tile Shear Strength	ANSI A118.15 7.3.2	400-500 psi (2.7 - 3.4 MPa)
14 day cure 14 day Heat Age Porcelain Tile Shear Strength	ANSI A118.15 7.2.7	500-600 psi (3.4 - 4.1 MPa)
28 day Cure 20 Cycle Freeze/Thaw Porcelain Tile Shear Strength	ANSI A118.15 7.2.6	425-475 psi (2.9 - 3.2 MPa)
7 day Cure 7 day Water Immersion Shear Strength	ANSI A118.15 7.1.3	325-425 psi (2.2 - 2.9 MPa)
7 day Porcelain Tile Shear Strength	ANSI A118.15 7.2.3	500-600 psi (3.4 - 4.1 MPa)
1 day Porcelain Tile Shear strength	ANSI A118.15 7.2.2	225-275 psi (1.5 - 1.8 MPa)
14 day Cure 14 Day Heat Cure wall tile shear strength	ANSI A118.15 7.1.4	550-600 psi (3.7 - 4.1 MPa)
7 Day Wall Tile Shear Strength	ANSI A118.15 7.1.2	525 -575 psi (3.6 - 3.9 MPa)
7 day Water Immersion Shear Strength, Porcelain Mosaic Tile	ANSI A118.15 7.2.4	350-450 psi (2.41-3.10 MPa)
28 day Shear Bond, Porcelain Mosaic Tile	ANSI A118.15 7.2.5	500-600 psi (3.45-4.14 MPa)
28 day Shear Bond, Quarry Tile/Plywood	ANSI A118.11 4.1.1.2	180-250 psi (1.24-1.72 MPa)
Sag on Wall	ANSI A118.15.6.0	0 in. (0 mm)
28 day Cure Tensile Adhesive Strength	ISO 13007-4.4 4.2	1.5-2.0 Mpa
7 day Cure 21 day Water Immersion Tensile Adhesive Strength	ISO 13007-4.4 4.3	1.0-1.5 Mpa
14 day Cure 14 Day Heat Age Tensile Adhesive Strength	ISO 13007-4.4 4.4	1.5-2.0 MPa
7 day Cure 21 Day Water Immersion 25 Freeze/Thaw Cycle Tensile Adhesive Strength	ISO 13007-4.4 4.5	1.0-1.5 Mpa
Transverse Deformation	ISO 13007-4.4 4.5	3.0-3.5

Working Properties

Property Name	Property Value
Open Time @ 70° F (21°C)	**40 Minutes**
Pot Life @ 70° F (21°C)	**4 hours**
Time To Traffic	**24 hours**

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

5. INSTALLATION

Surface Preparation

All surfaces should be between 40°F (4°C) and 90°F (32°C) and structurally sound, clean and free of all dirt, oil, grease, paint, concrete sealers or curing compounds. Rough or uneven concrete surfaces should be made smooth with a LATICRETE latex fortified underlayment or leveling mortar to provide a proper finish. Dry, dusty concrete slabs or masonry should be dampened and excess water swept off. Installation may be made on a damp surface. All slabs must be plumb and true to within 1/4" (6 mm) in 10 ft (3 m).

Note: MULTIMAX Lite does not require a minimum cure time for concrete slabs. Expansion joints shall be provided through the tile work from all construction or expansion joints in the substrate. Follow ANSI specification A108.01–3.7 "Requirements For Movement Joints: Preparations by Other Trades" or TCNA detail EJ-171 "Movement Joints—Vertical & Horizontal". Do not cover expansion joints with mortar.

1. Installer must verify that deflection under all live, dead and impact loads of interior plywood floors does not exceed industry standards of L/360 for ceramic tile and brick or L/480 for stone installations where L=span length.
2. Minimum construction for interior plywood floors. **SUBFLOOR**: 5/8" (15 mm) thick exterior glue plywood, either plain with all sheet edges blocked or tongue and groove, over bridged joints spaced 16" (400 mm) o.c. maximum; fasten plywood 6" (150 mm) o.c. along sheet ends and 8" (200 mm) o.c. along intermediate supports

with 8d ring-shank, coated or hot dip galvanized nails (or screws); allow 1/8" (3 mm) between sheet ends and 1/4" (6 mm) between sheet edges at the perimeter; all sheet ends must be supported by a framing member; glue sheets to joints with construction adhesive.
UNDERLAYMENT: 5/8" (15 mm) thick exterior glue plywood fastened 6" (150 mm) o.c. along sheet ends and 8" (200 mm) o.c. in the panel field (both directions) with 8d ring shank, coated or hot dip galvanized nails (or screws); allow 1/8" (3mm) to 1/4" (6 mm) between sheets and 1/4" (6 mm) between sheet edges and any abutting surfaces; offset underlayment joints from joints in subfloor and stagger joints between sheet ends; glue underlayment to subfloor with construction adhesive. Refer to Technical Data Sheet 152 “Bonding Ceramic Tile, Stone or Brick Over Wood Floors”.
Mixing: For walls and Large Heavy Tile applications: Place clean, potable water into a clean pail. Use approximately 4.8-5.0 qts (4.5-4.7 L) of water for 25 lbs (11.3 kg) of powder. (To mix smaller quantities use 3.7 parts powder to 1 part water.) **For Thin Bed applications:** Use approximately 5.2–5.4 qts (4.9-5.1 L) of water for 25 lbs (11.3kg) of powder. (To mix smaller quantities use 3.4 parts powder to 1 part water.) Slowly add MULTIMAX LITE. Mix with a mixer to a smooth, trowelable consistency. Allow mortar to slake for 5 minutes. Remix without adding any more water or powder. During use, stir occasionally to keep mix fluffy. DO NOT temper with water.

Mixing with PERMACOLOR® Select Color Kits (MULTIMAX LITE white only) Requires 2 PERMACOLOR® Select Color Kits. (Each Color Kit contains 2 individual color packets, use all 4 color packets) Place water in a clean mixing container. Remove color packets from the cardboard container as well as the protective plastic sleeve. The internal bag is a water dispersible packet – when using the 25 lbs. (11.3 kg) bag of MULTIMAX LITE, drop all color packs directly in to water in clean mixing container. Mix with a drill mixer until pigment is dispersed evenly in container and the dispersible packet is no longer visible. Add MULTIMAX LITE and mix as directed above. Please note that additional water may be necessary when using PERMACOLOR Select color Kits.

Application: Walls: Key materials into substrate thoroughly. Comb on additional mortar with the notche side, use 1/4" x 3/8" (6 mm x 9 mm) notched trowel. Back butter all tile and stone 8" x 8" (200 mm x 200 mm) or larger to provide full bedding of the veneer. **Large Heavy Tile**: Key the mortar to the substrate with the flat side of the trowel. Press firmly to work into the surface. Comb on additional mortar with the notched side. Use 1/2" x 1/2" (12 mm x 12 mm) or 3/4" (18 mm) half loop trowel. Grouting: Grout installation after a minimum of 24 hours curing time at 70°F (21°C). Grout with PERMACOLOR® Select, PERMACOLOR®Λ Grout, SPECTRALOCK® PRO Premium Grout†, SPECTRALOCK PRO Grout†, 1500 Sanded Grout or 1600 Unsanded Grout gauged with 1776 Grout Enhancer or with water. Cleaning Clean tools with water.

6. AVAILABILITY AND COST

Availability
LATICRETE materials are available worldwide.

For Distributor Information, Call:
Toll Free: 1.800.243.4788
Telephone: +1.203.393.0010
For on-line distributor information, visit LATICRETE at **laticrete.com**

Cost
Contact a LATICRETE Distributor in your area.

7. WARRANTY

See 10. FILING SYSTEM:
- DS 025.0: 25 Year System Warranty
- DS 230.13: 1 Year Product Warranty
- DS 230.15APD: LATICRETE 15 Year Tile & Stone System Warranty
- DS 230.99: LATICRETE Lifetime System Warranty (United States and Canada)

8. MAINTENANCE

LATICRETE and LATAPOXY grouts require routine cleaning with a neutral pH soap and water. All other LATICRETE and LATAPOXY materials require no maintenance but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

9. TECHNICAL SERVICES

Technical Assistance
Information is available by calling the LATICRETE Technical Service Hotline:
Toll Free: 1.800.243.4788, ext. 1235
Telephone: +1.203.393.0010, ext. 1235
Fax: +1.203.393.1948

Technical and Safety Literature
To acquire technical and safety literature, please visit our website at **laticrete.com.**

10. FILING SYSTEM

Additional product information is available on our website at laticrete.com. The following is a list of related documents:
- DS 230.13: LATICRETE Product Warranty (United States and Canada) A component of: DS 230.15APD: LATICRETE 15 Year Tile & Stone System Warranty – For Steel or Wood Framed Exterior Facades (United States and Canada)
- DS 025.0APD: LATICRETE 25 Year Tile & Stone System Warranty (United States and Canada)

- DS 230.99: LATICRETE Lifetime Tile & Stone System Warranty (United States and Canada)
- DS 230.05: LATICRETE 5 Year System Warranty (United States and Canada)
- DS 230.10: LATICRETE 10 Year System Warranty (United States and Canada)
- DS 230.15: LATICRETE 15 Year System Warranty – For Steel or Wood Framed Exterior Facades (United States and Canada)
- DS 025.0: LATICRETE 25 Year System Warranty (United States and Canada)
- DS 230.99: LATICRETE Lifetime System Warranty

United States Invention Patent No.: 6,784,229 (and other Patents)

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Building Product Manual Paint Schedule

***Note** Edit this Paint Schedule to delete products not required for Project. Some of the products listed have lower VOC values, but use may result in higher cost to Project. Designer should evaluate and select appropriate products based on the Sustainable requirements for the Project. It should be noted that colorants may add to the VOC content of some of the products and the actual final VOC levels vary based on the color. Achieving a true 0 VOC content for the final product may not be realistic. Green Seal Standard GS-11 levels exclude colorant and water added at point of sale at this time.*

PAINT SCHEDULE

DESCRIPTION				MANUFACTURER													
				SHERWIN-WILLIAMS				BENJAMIN MOORE				GLIDDEN PROFESSIONAL				PPG ARCHITECTURAL FINISHES			
Surface	Vehicle and Luster	Max VOC Content [2] (g/L)	No. of Coats	Products	DryMil Thickness (Per Coat)	GS-11[1] (Y or N)	VOC[2] (g/L)	Products	DryMil Thickness (Per Coat)	GS-11[1] (Y or N)	VOC[2] (g/L)	Products	DryMil Thickness (Per Coat)	GS-11[1] (Y or N)	VOC[2] (g/L)	Products	DryMil Thickness (Per Coat)	GS-11[1] (Y or N)	VOC[2] (g/L)
1. Interior Ferrous Metal (Not Galvanized and Shop Primed)	Interior Water-based Acrylic Latex Primer	250	1	All Surface Enamel Interior-Exterior Latex Primer (A41W01210)	1.50	Y	<50	Ultra Spec HP Acrylic Metal Primer (HP04)	1.7-2.3	N	48	Devflex WB PF DTM Primer & Finish (4020)	2.20-3.50	Y	91	PittTech Plus 4020 DTM Metal Primer	2.00-3.50	Y	91
	Interior Water-based Acrylic Latex Paint Semi-Gloss	150	2	Solo 100% Acrylic Interior-Exterior Semi-Gloss (A76W00051)	1.50	Y	<50	Ultra Spec 500 Interior Semi Gloss Finish (N539)	1.80	Y	0	Lifemaster Advanced Oil Semi-Gloss Enamel (1506)	1.50-2.00	Y	48	Speedhide 6-1510 Interior Alkyd WB Semi Gloss	1.60	Y	37
2. Interior Ferrous Metal (Galvanized)	Interior Water-based Acrylic Latex Primer	250		All Surface Enamel Interior-Exterior Latex Primer (A41W01210)	1.50	Y	<50	Ultra Spec 500 Interior Primer (N534)	1.40	Y	0	Devflex WB PF DTM Primer & Finish (4020)	2.20-3.50	Y	91	PittTech Plus 4020 DTM Metal Primer	2.00-3.50	Y	91
	Interior Water-based Acrylic Latex Paint Semi-Gloss	150	2	Solo 100% Acrylic Interior-Exterior Semi-Gloss (A76W00051)	1.50	Y	<50	Ultra Spec 500 Interior Semi Gloss Finish (N539)	1.80	Y	0	Lifemaster Advanced Oil Semi-Gloss Enamel (1506)	1.50-2.00	Y	48	Speedhide 6-1510 Interior Alkyd WB Semi Gloss	1.60	Y	37
Note: The following Item 3 is for Restoration Projects ONLY																			
3. Interior Ferrous Metal (Previously Painted - Not Galvanized)	Interior Water-based Acrylic Latex Primer	250	1	All Surface Enamel Interior-Exterior Latex Primer (A41W01210)	1.50	Y	<50	Ultra Spec 500 Interior Primer (N534)	1.40	Y	0	Devflex WB PF DTM Primer & Finish (4020)	2.20-3.50	Y	91	PittTech Plus 4020 DTM Metal Primer	2.00-3.50	Y	91
(Note: Spot prime as required)	Interior Water-based Acrylic Latex Paint Semi-Gloss	150	2	Solo 100% Acrylic Interior-Exterior Semi-Gloss (A76W00051)	1.50	Y	<50	Ultra Spec 500 Interior Semi Gloss Finish (N539)	1.80	Y	0	Lifemaster Oil Semi-Gloss Wall & Trim Enamel (1506)	1.50-2.00	Y	<50	Speedhide 6-1510 Interior Alkyd WB Semi Gloss	1.60	Y	37
4. Interior Pipes, Ductwork, & Mechanical Equipment (Not Galvanized)	Interior 100% Acrylic Latex Primer	150	1	All Surface Enamel Interior-Exterior Latex Primer (A41W01210)	1.50	Y	<50	Fresh Start All-Purpose 100% Acrylic Primer (N023)	1.20	N	48	Devflex WB PF DTM Primer & Finish (4020)	2.20-3.50	Y	91	PittTech Plus 4020 DTM Metal Primer	2.00-3.50	Y	91
	Interior Water-based Acrylic Latex Paint Semi-Gloss	150	1	Solo 100% Acrylic Interior-Exterior Semi-Gloss (A76W00051)	1.50	Y	<50	Ultra Spec 500 Interior Semi Gloss Finish (N539)	1.80	Y	0	Lifemaster Advanced Oil Semi-Gloss Enamel (1502)	1.50-2.00	Y	<50	Speedhide 6-1410 Interior Alkyd WB Satin	1.50	Y	36

DESCRIPTION				MANUFACTURER													
				SHERWIN-WILLIAMS				BENJAMIN MOORE				GLIDDEN PROFESSIONAL				PPG ARCHITECTURAL FINISHES			
Surface	Vehicle and Luster	Max VOC Content[2] (g/L)	No. of Coats	Products	DryMil Thickness (Per Coat)	GS-11[1] (Y or N)	VOC[2] (g/L)	Products	DryMil Thickness (Per Coat)	GS-11[1] (Y or N)	VOC[2] (g/L)	Products	DryMil Thickness (Per Coat)	GS-11[1] (Y or N)	VOC[2] (g/L)	Products	DryMil Thickness (Per Coat)	GS-11[1] (Y or N)	VOC[2] (g/L)
5. Interior Pipes, Ductwork, & Mechanical Equipment (Galvanized)	Interior Water-based Acrylic Latex Primer	150	1	All Surface Enamel Interior-Exterior Latex Primer (A41W01210)	1.50	Y	<50	Ultra Spec 500 Interior Primer (N534)	1.40	Y	0	Devflex WB PF DTM Primer & Finish (4020)	2.20-3.50	Y	91	PittTech Plus 4020 DTM Metal Primer	2.00-3.50	Y	91
	Interior Water-based Acrylic Latex Paint Eggshell	150	1	Solo 100% Acrylic Interior-Exterior Eg-Shel (A75W00051)	1.40	Y	<50	Ultra Spec 500 Interior Eggshell Finish (N538)	1.80	Y	0	Lifemaster Advanced Oil Semi-Gloss Enamel (1502)	1.50-2.00	Y	<50	Speedhide 6-1410 Interior Alkyd WB Satin	1.50	Y	36
6. Interior Gypsum Board (New)	Interior Water-based Acrylic Latex Primer	150	1	ProMar 200 ZeroVOC Interior Latex Wall Primer (B28W02600)	1.00	Y	0	Ultra Spec 500 Interior Primer (N534)	1.40	Y	0	PVA Wall Interior Water-Based Primer (1030-1200)	1.50	Y	100	Speedhide 6-4900XI Interior Primer Sealer	1.40	Y	0
	Interior Water-based Acrylic Latex Paint Eggshell	150	2	ProMar 200 ZeroVOC Interior Latex Eg-Shel (B20W12651 Series)	1.70	Y	0	Ultra Spec 500 Interior Eggshell Finish (N538)	1.80	Y	0	Ultra Hide No VOC Interior Eggshell Finish (1411)	1.30-1.50	Y	0	Speedhide 6-4310XI Zero VOC Interior Latex Eggshell	1.50	Y	0
7. Interior Gypsum Board (New)	Interior Water-based Acrylic Latex Primer	150	1	ProMar 200 ZeroVOC Interior Latex Wall Primer (B28W02600)	1.00	Y	0	Ultra Spec 500 Interior Primer (N534)	1.40	Y	0	PVA Wall Interior Water-Based Primer (1030-1200)	1.50	Y	100	Speedhide 6-4900XI Interior Primer Sealer	1.40	Y	0
	Interior Water-based Acrylic Latex Paint Flat	50	2	ProMar 200 ZeroVOC Interior Latex Flat (B30W12651)	1.40	Y	<50	Ultra Spec 500 Interior Flat Finish (N536)	1.80	Y	0	Ultra Hide No VOC Interior Flat Finish (1209)	1.30-1.50	Y	0	Speedhide 6-4110XI Zero VOC Interior Latex Flat	1.40	Y	0
Note: The following Item 8 can be used for locations where odor may be a problem.																			
8. Interior Gypsum Board or Plaster (New)	Interior Water-based Acrylic Latex Primer	150	1	ProMar 200 ZeroVOC Interior Latex Wall Primer (B28W02600)	1.00	Y	0	Ultra Spec 500 Interior Primer (N534)	1.40	Y	0	Lifemaster No VOC Primer-Sealer (9116)	1.30	Y	0	Speedhide 6-4900XI Interior Primer Sealer	1.40	Y	0
	Interior Water-based Acrylic Latex Paint Eggshell	150	2	ProMar 200 ZeroVOC Interior Latex Eg-Shel (B20W12651 Series)	1.70	Y	0	Ultra Spec 500 Interior Eggshell Finish (N538)	1.80	Y	0	Ultra Hide No VOC Interior Eggshell Finish (1411)	1.30-1.50	Y	0	Speedhide 6-4310XI Zero VOC Interior Latex Eggshell	1.50	Y	0

DESCRIPTION				MANUFACTURER													
				SHERWIN-WILLIAMS				BENJAMIN MOORE				GLIDDEN PROFESSIONAL				PPG ARCHITECTURAL FINISHES			
Surface	Vehicle and Luster	Max VOC Content [2] (g/L)	No. of Coats	Products	DryMil Thickness (Per Coat)	GS-11 [1] (Y or N)	VOC [2] (g/L)	Products	DryMil Thickness (Per Coat)	GS-11 [1] (Y or N)	VOC [2] (g/L)	Products	DryMil Thickness (Per Coat)	GS-11 [1] (Y or N)	VOC [2] (g/L)	Products	DryMil Thickness (Per Coat)	GS-11 [1] (Y or N)	VOC [2] (g/L)
Note: The following Item 9a is for Restoration Projects ONLY for painting over existing paint.																			
Note: The following Item 9a is a VOC compliant specification with a lower VOC Content. Cost of product 9a may be higher than 9b. Select 9a or 9b and delete products not used for Project.																			
9a. Interior Gypsum Board or Plaster (Previously Painted)	Interior Water-based Acrylic Latex Primer	150	1	ProMar 200 ZeroVOC Interior Latex Wall Primer (B28W02600)	1.00	Y	0	Ultra Spec 500 Interior Primer (N534)	1.40	Y	0	PVA Wall Interior Water-Based Primer (1030-1200)	1.50	Y	100	Speedhide 6-4900XI Interior Primer Sealer	1.40	Y	0
	Interior Water-based Acrylic Latex Paint Eggshell	150	2	ProMar 200 ZeroVOC Interior Latex Eg-Shel (B20W12651 Series)	1.70	Y	0	Ultra Spec 500 Interior Eggshell Finish (N538)	1.80	Y	0	Ultra Hide No VOC Interior Eggshell Finish (1411)	1.30-1.50	Y	0	Speedhide 6-4310 Zero VOC Interior Latex Eggshell	1.50	Y	0
Note: The following Item 9b is for Restoration Projects ONLY for painting over existing paint.																			
Note: The following Item 9b is a VOC compliant specification with The Benjamin Moore product having a higher VOC Content. Select 9a or 9b and delete products not used for Project.																			
9b. Interior Gypsum Board or Plaster (Previously Painted)	Interior Water-based Acrylic Latex Primer	150	1	ProMar 200 ZeroVOC Interior Latex Wall Primer (B28W02600)	1.00	Y	0	Ultra Spec 500 Interior Primer (N534)	1.40	Y	0	PVA Wall Interior Water-Based Primer (1030-1200)	1.50	Y	100	Speedhide 6-4900VI Interior Primer Sealer	1.40	Y	0
	Interior Water-based Acrylic Latex Paint Eggshell	150	2	ProMar 200 ZeroVOC Interior Latex Eg-Shel (B20W12651 Series)	1.70	Y	0	Ultra Spec 500 Interior Eggshell Finish (N538)	1.80	Y	0	Ultra Hide No VOC Interior Eggshell Finish (1411)	1.30-1.50	Y	0	Speedhide 6-4310XI Zero VOC Interior Latex Eggshell	1.50	Y	0
Note: The following Item 10a is for use at mildew problem areas or where a moisture barrier is required at Interior Gypsum Board or Plaster.																			
Note: The following Item 10a is a VOC compliant specification with a lower VOC Content. Cost of Benjamin Moore product 10b may be higher than 10a. Select 10a or 10b and delete products not used for Project.																			
10a. Interior Gypsum Board or Plaster (New or Previously Painted)	Interior Water-based Acrylic Latex Primer	150	1	ProMar 200 ZeroVOC Interior Latex Wall Primer (B28W02600)	1.00	Y	0	Ultra Spec 500 Interior Primer (N534)	1.40	Y	0	Vapor Barrier Water-Based Primer-Sealer (1060-1200)	1.36	Y	91	SealGrip Perm Sealer Vapor Barrier 17-9801	1.60	Y	91
	Interior Water-based Acrylic Latex Paint Eggshell	150	2	ProMar 200 ZeroVOC Interior Latex Eg-Shel (B20W12651 Series)	1.70	Y	0	Ultra Spec 500 Interior Eggshell Finish (N538)	1.80	Y	0	Ultra Hide No VOC Interior Eggshell Finish (1411)	1.30-1.50	Y	0	Speedhide 6-4310XI Zero VOC Interior Latex Eggshell	1.50	Y	0

DESCRIPTION				MANUFACTURER													
				SHERWIN-WILLIAMS				BENJAMIN MOORE				GLIDDEN PROFESSIONAL				PPG ARCHITECTURAL FINISHES			
Surface	Vehicle and Luster	Max VOC Content[2] (g/L)	No. of Coats	Products	Dry Mil Thickness (Per Coat)	GS-11[1] (Y or N)	VOC[2] (g/L)	Products	Dry Mil Thickness (Per Coat)	GS-11[1] (Y or N)	VOC[2] (g/L)	Products	Dry Mil Thickness (Per Coat)	GS-11[1] (Y or N)	VOC[2] (g/L)	Products	Dry Mil Thickness (Per Coat)	GS-11[1] (Y or N)	VOC[2] (g/L)
Note: The following Item 10b is for use at mildew problem areas or where a moisture barrier is required at Interior Gypsum Board or Plaster.																			
Note: The following Item 10b is a VOC compliant specification with the Benjamin Moore product having a higher VOC Content. Select 10a or 10b and delete products not used for Project.																			
10b. Interior Gypsum Board or Plaster (New or Previously Painted)	Interior Water-based Acrylic Latex Primer	150	1	ProMar 200 ZeroVOC Interior Latex Wall Primer (B28W02600)	1.00	Y	0	Ultra Spec 500 Interior Primer (N534)	1.40	Y	0	Vapor Barrier Water Based Primer-Sealer (1060-1200)	1.36	Y	91	SealGrip Perm Sealer Vapor Barrier 17-9801	1.60	Y	91
	Interior Water-based Acrylic Latex Paint Eggshell	150	2	ProMar 200 ZeroVOC Interior Latex Eg-Shel (B20W12651 Series)	1.70	Y	0	Ultra Spec 500 Interior Eggshell Finish (N538)	1.80	Y	0	Ultra Hide No VOC Interior Eggshell Finish (1411)	1.30-1.50	Y	0	Speedhide 6-4310XI Zero VOC Interior Latex Eggshell	1.50	Y	0
Note: The following Item 11a is a low VOC compliant specifications. Select 11a or 11b and delete products not used for Project. Benjamin Moore Aura has the equivalent performance of Epoxy Item 11b.																			
11a. Interior Gypsum Board or Plaster (Except at Indoor Pools and Not exposed to Water)	Interior 100% Acrylic Latex Paint, Self-Priming	150	2	Emerald Interior Latex Satin (K37W00451) Self Priming-No primer needed	1.60	Y	<50	Aura Waterborne Interior Paint Eggshell Finish (524) *Self Priming - No Primer Required*	2.00	Y	0					Pure Performance 9-300XI Zero VOC Eggshell Self Priming	1.40	Y	0
11b. Interior Gypsum Board or Plaster (Except at Indoor Pools and Not exposed to Water)	Interior Water-based Acrylic Latex Primer	150	1	ProMar 200 ZeroVOC Interior Latex Wall Primer (B28W02600)	1.00	Y	0	Ultra Spec 500 Interior Primer (N534)	1.40	Y	0	Gripper Multi-Purpose Interior/Exterior Water-Based Primer Sealer (3210-1200)	1.50-2.00	Y	99	SealGrip 17-921	1.60	Y	84
	Pre-Catalyzed Water-based Acrylic Epoxy Eggshell	150	2	Pro Industrial Water Based Catalyzed Epoxy Eg-Shel (B73W00361-16)	2.00 - 4.90	Y	<50	Pre-Catalized Waterborne Epoxy Eggshell Finish (V342)	1.5-1.7	N	73	PittGlaze WB 1 16-310 WB Acrylic Epoxy Eggshell	1.50	Y	95	PittGlaze WB 1 16-310 WB Acrylic Epoxy Eggshell	1.5-3.0	Y	93

DESCRIPTION				MANUFACTURER													
				SHERWIN-WILLIAMS				BENJAMIN MOORE				GLIDDEN PROFESSIONAL				PPG ARCHITECTURAL FINISHES			
Surface	Vehicle and Luster	Max VOC Content [2] (g/L)	No. of Coats	Products	Dry Mil Thickness (Per Coat)	GS-11 [1] (Y or N)	VOC [2] (g/L)	Products	Dry Mil Thickness (Per Coat)	GS-11 [1] (Y or N)	VOC [2] (g/L)	Products	Dry Mil Thickness (Per Coat)	GS-11 [1] (Y or N)	VOC [2] (g/L)	Products	Dry Mil Thickness (Per Coat)	GS-11 [1] (Y or N)	VOC [2] (g/L)
Note: The following Item 12a is a low VOC compliant specification. Select 12a or 12b and delete products not used for Project. Benjamin Moore Aura has the equivalent performance of Epoxy Item 12b.																			
12a. Interior Gypsum Board or Plaster (Indoor Pools and Pool Equip. Rm.)	Interior 100% Acrylic Latex Paint, Self-Priming	150	1					Aura Waterborne Interior Paint Semi-Gloss Finish (528) *Self Priming - No Primer Required*	1.50	Y	0	Gripper Multi-Purpose Interior/Exterior Water-Based Primer Sealer (3210-1200)	1.50-2.00	Y	99	SealGrip 17-921 Acrylic Universal Primer	1.60	Y	84
12b. Interior Gypsum Board or Plaster (Indoor Pools and Pool Equip. Rm.)	Interior 100% Acrylic Latex Primer	150	1	Extreme Bond Primer (B51W00150)	0.90	Y	0	Fresh Start Multi-Purpose Latex Primer (N023)	1.20	N	48	Gripper Multi-Purpose Interior/Exterior Water-Based Primer Sealer (3210-1200)	1.50-2.00	Y	99	SealGrip 17-921 Acrylic Universal Primer	1.60	Y	84
	Pre-Catalyzed Water-based Acrylic Epoxy Semi-Gloss	150	2	Pro Industrial Acrylic Eg-Shel (B66-660 Series)	2.10 - 4.20	Y	0	Pre-Catalized Waterborne Epoxy Semi-Gloss Finish (V341)	1.5-1.9	N	71	PittGlaze WB 1 16-510 WB Acrylic Epoxy Semi Gloss	1.50	Y	95	PittGlaze WB1 16-510 WB Acrylic Epoxy Semi Gloss	1.5-3.0	Y	95
13. Interior Gypsum Board or Plaster (Food Prep)	Interior 100% Acrylic Latex Primer	150	1	ProMar 200 ZeroVOC Interior Latex Eg-Shel (B20W2651)	1.70	Y	0	Fresh Start Multi-Purpose Latex Primer (N023)	1.20	N	48					SealGrip 17-921 Acrylic Universal Primer	1.60	Y	84
	Pre-Catalyzed Water-based Acrylic Epoxy Semi-Gloss	150	2	Pro Industrial Pre-Catalyzed Waterbased Semi-Gloss Epoxy (K46-150 Series)	1.50	Y	<150	Pre-Catalized Waterborne Epoxy Semi-Gloss Finish (V341)	1.5-1.9	N	71					PittGlaze WB1 16-510 WB Acrylic Epoxy Semi Gloss	1.5-3.0	Y	95
14. Interior Plaster (New)	Interior Water-based Acrylic Latex Primer	150		Self Priming - No Primer Required				Ultra Spec 500 Interior Primer (N534)	1.40	Y	0	Gripper Multi-Purpose Interior/Exterior Water-Based Primer Sealer (3210-1200)	1.50-2.00	Y	99	SealGrip 17-921 Acrylic Universal Primer	1.60	Y	84
	Interior Water-based Acrylic Latex Paint Eggshell	150	2	Solo Acrylic Eggshell (A75W51)	1.80	Y	<50	Ultra Spec 500 Interior Eggshell Finish (N538)	1.80	Y	0	Ultra Hide 150 Interior Latex Eggshell (1412V)	1.50	Y	<50	Speedhide 6-411 Interior Enamel Latex Eggshell	1.40-1.60	Y	45

DESCRIPTION				MANUFACTURER													
				SHERWIN-WILLIAMS				BENJAMIN MOORE				GLIDDEN PROFESSIONAL				PPG ARCHITECTURAL FINISHES			
Surface	Vehicle and Luster	Max VOC Content[2] (g/L)	No. of Coats	Products	DryMil Thickness (Per Coat)	GS-11[1] (Y or N)	VOC[2] (g/L)	Products	DryMil Thickness (Per Coat)	GS-11[1] (Y or N)	VOC[2] (g/L)	Products	DryMil Thickness (Per Coat)	GS-11[1] (Y or N)	VOC[2] (g/L)	Products	DryMil Thickness (Per Coat)	GS-11[1] (Y or N)	VOC[2] (g/L)
15. Interior Concrete Masonry Units Walls or Concrete Walls/Ceilings	Acrylic Latex Semi-Gloss	150	2	PrepRite Block Filler Int/Ext Latex (B25W25)	8.00	Y	45	Ultra Spec Hi Build Block Filler (571)	8.50	N	45	Concrete Coatings Block Filler Interior/Exterior (3010-1200)	10.00	Y	49	Speedhide 6-7 Int/Ext Latex Block Filler	7.40-8.00	Y	18
		150	1	ProMar 200 Zero VOC Semigloss (B31W2651)	1.60	Y	0	Ultra Spec 500 Interior Semi Gloss Finish (N539)	1.80	Y	0	Ultra Hide No VOC Interior SemGloss Finish (1415)	1.30-1.50	Y	0	Speedhide 6-4510XI Zero VOC Interior Latex Semi Gloss	1.30	Y	0
16. Interior Concrete Masonry Units Walls or Concrete Walls/Ceilings (Except Interior Pools)	Epoxy Eggshell	150	1	PrepRite Block Filler Int/Ext Latex (B25W25)	8.00	Y	45	Ultra Spec Hi Build Block Filler (571)	8.50	N	45	Concrete Coatings Block Filler Interior/Exterior (3010-1200)	10.00	Y	49	Speedhide 6-7 Int/Ext Latex Block Filler	7.40-8.00	Y	18
(Note: Block Filler to flush joints in masonry)		150	2	ProIndustrial 0VOC Waterbased Epoxy (b73W111)	2.50 - 3.00	Y	0	Pre-Catalized Waterborne Epoxy Eggshell Finish (V342)	1.5-1.7	N	73	PittGlaze 16-310 WB 1 Pre Catalyzed WB Epoxy Eggshell	1.50	Y	95	PittGlaze 16-310 WB 1 Pre Catalyzed WB Epoxy Eggshell	1.5-3.0	Y	95
17. Interior Concrete Masonry Units Walls or Concrete Walls/Ceilings (Interior Pools ONLY)	Epoxy Satin	150	1	Cement-Plex 875 (B42W200 /B42V201)	13.00 - 20.00	N	>200	Ultra Spec Hi Build Block Filler (571)	8.50	N	45	Tru-Glaze-WB Epoxy Block Filler (4015)	8.00-25.00	Y	99	PPG Amerlock 400 BF Epoxy Block filler	10-20	N	<200
(Note: Block Filler to flush joints in masonry)		150	2	Pro Industrial Water Based Catalyzed Epoxy (B73-360 Series)	2.00 - 5.00	Y	0	Pre-Catalized Waterborne Epoxy Eggshell Finish (V342)	1.5-1.7	N	73	PPG Amerlock 2 VOC Polyamide Epoxy Semi Gloss	4.00-8.00	Y	84	PPG Amerlock 2 VOC Polyamide Epoxy Semi Gloss	4-8	Y	84
18. Interior Wood	Interior Latex Primer	150	1	Sherwin Williams Premium Wall & Wood Latex Primer (B28W08111)	1.60	Y	<50	Ultra Spec 500 Interior Primer (N534)	1.40	Y	0	Gripper Multi-Purpose Interior/Exterior Water-Based Primer Sealer (3210-1200)	1.50	Y	90	SealGrip 17-921 Acrylic Universal Primer	1.60	Y	84
	Interior Water-based Acrylic Latex Paint Semi-Gloss	150	2	Solo Acrylic Semigloss (A76W51)	1.50	Y	<50	Ultra Spec 500 Interior Semi Gloss Finish (N539)	1.80	Y	0	LifemasterOil Semi-Gloss Wall & Trim Enamel (1506)	1.50-2.00	Y	<50	Speedhide 6-1510 Interior Alkyd WB Semi Gloss	1.80	Y	37
18a. Interior Wood	Interior Water-based Acrylic Latex Paint Flat	150	2	Sherwin Williams ProMar 200 ZeroVOC Interior Latex Flat (B30W12651)	1.50	Y	<50	Ultra Spec 500 Interior Flat Finish (N536)	1.80	Y	0	Ultra Hide No VOC Interior Flat Finish (1209)	1.30-1.50	Y	0	Speedhide 6-4110XI Zero VOC Interior Latex Flat	1.40	Y	0

DESCRIPTION				MANUFACTURER													
				SHERWIN-WILLIAMS				BENJAMIN MOORE				GLIDDEN PROFESSIONAL				PPG ARCHITECTURAL FINISHES			
Surface	Vehicle and Luster	Max VOC Content [2] (g/L)	No. of Coats	Products	Dry Mil Thickness (Per Coat)	GS-11 [1] (Y or N)	VOC [2] (g/L)	Products	Dry Mil Thickness (Per Coat)	GS-11 [1] (Y or N)	VOC [2] (g/L)	Products	Dry Mil Thickness (Per Coat)	GS-11 [1] (Y or N)	VOC [2] (g/L)	Products	Dry Mil Thickness (Per Coat)	GS-11 [1] (Y or N)	VOC [2] (g/L)
Note: The following Item 19 is to be used for SpringHill Suites Projects ONLY. Delete if not used for Project.																			
19. Interior Vertical Decorative Wavy Wood Board at Front Desk	Epoxy Gloss	150	2	Pro Industrial Water Based Catalyzed Epoxy (B73-300 Series)	2.00 - 5.00	Y	0	Pre-Catalized Waterborne Epoxy Eggshell Finish (V342)	1.5-1.7	N	73								
Note: The following Item 20a is a low VOC compliant specification. Select 20a or 20b and delete products not used for Project.																			
20a Interior Wood	Natural Finish Water-based wood stain	250	1	Minwax Water Based Wood Stain (618064444 for White Base) (618074444 for Clear Base)	Nominal	Y	250	Lenmar Interior Wiping Stain 1WB.1300	Nominal	N	236	Wood Pride Professional Wood Finishes Water-Based Wood Finishing Semi-Transparent Stain (1700V)	Nominal	Y	250	Deft DFT400 Low VOC Wood Stain	Nominal	Y	248
	Varnish	350	2	Wood Classics Waterbourne Polyurethane Varnish (A68 Series)	1.00		309	Benwood Stays Clear Acrylic Polyurethane Finish Low Luster (423)	1.10	N	270	Wood Pride Professional Finishes Water-Based Satin Varnish (1802)	1.00	Y	182	Deft DFT159 Urethane WB Varnish Satin	1.00	Y	244
Note: The following Item 20b is NOT a low VOC compliant specification. Select 20a or 20b and delete products not used for Project.																			
20b Interior Wood	Natural Finish Water-based wood stain	250	1	Wood Classics Oil Stain (A49-200 Series)	Nominal	N	524	Lenmar Interior Wiping Stain 1WB.1300	Nominal	N	236	Wood Pride Professional Wood Finishes Water-Based Wood Finishing Semi-Transparent Stain (1700V)	Nominal	Y	250	Deft DFT400 Low VOC Wood Stain	Nominal	Y	248
	Varnish	350	2	Wood Classics Waterbourne Polyurethane Varnish (A68 Series)	1.00	N	309	Benwood Stays Clear Acrylic Polyurethane Finish Low Luster (423)	1.10	N	270	Wood Pride Professional Finishes Water-Based Satin Varnish (1802)	1.00	Y	182	Deft DFT159 Urethane WB Varnish Satin	1.00	Y	244

DESCRIPTION				MANUFACTURER													
				SHERWIN-WILLIAMS				BENJAMIN MOORE				GLIDDEN PROFESSIONAL				PPG ARCHITECTURAL FINISHES			
Surface	Vehicle and Luster	Max VOC Content [2] (g/L)	No. of Coats	Products	DryMil Thickness (Per Coat)	GS-11 [1] (Y or N)	VOC [2] (g/L)	Products	DryMil Thickness (Per Coat)	GS-11 [1] (Y or N)	VOC [2] (g/L)	Products	DryMil Thickness (Per Coat)	GS-11 [1] (Y or N)	VOC [2] (g/L)	Products	DryMil Thickness (Per Coat)	GS-11 [1] (Y or N)	VOC [2] (g/L)
21. Exterior Wood	Acrylic Solid Stain	150	1	WoodScapes House Stain Exterior Acrylic Solid Color (A15 Series)	1.30	N	135	Arborcoat Solid Deck & Siding Stain (640)	Minimal	N	95	Wood Pride Professional Finishes High Build 100% Acrylic Exterior Solid Color Stain (2601)	1.30	Y	89	**Flood FLD820 Solid Color Acrylic Stain**	1.00-1.40	Y	<100
Note: Prime knots with oil based primer.	Varnish	150	1	WoodScapes House Stain Exterior Acrylic Solid Color (A15 Series)	1.30	N	135	Arborcoat Solid Deck & Siding Stain (640)	Minimal	N	95	Wood Pride Professional Finishes High Build 100% Acrylic Exterior Solid Color Stain (2601)	1.30	Y	89	**Flood FLD820 Solid Color Acrylic Stain**	1.00-1.40	Y	<100
Note: The following Item 22 is NOT a low VOC compliant specification. Low VOC compliant product is not available at this time.																			
22. Exterior Wood	Spar Varnish Natural Stain		3	Minwax Helmsman Spar Varnish	1.20	N	<500	Lenmar Spar Varnish	1.70	N	348	Wood Pride Professional Wood Finishes Oil-Based Spar Varnish (1907)	1.00	N	444	Deft DFT21 Oil Based Gloss Polyurethane Varnish	1.40	N	271
Note: The following Item 23a is a VOC compliant specification with a lower VOC Content. Cost of product 23a may be higher than 23b. Select 23a or 23b and delete products not used for Project.																			
23a Exterior Cement Board Siding & Trim	Acrylic Latex Eggshell	150	2	A100 Exterior Latex Satin (A82 Series)	1.30	N	49	Ultra Spec Exterior Paint Satin Finish (N448)	1.50	Y	44	Fortis 350 Exterior 100% Acrylic Satin Finish (2402V)	1.50	Y	<50	Speedhide 6-2045XI Exterior Acrylic Satin	1.40	Y	<50
Note: The following Item 23b is a VOC compliant specification with a higher VOC Content. Select 23a or 23b and delete products not used for Project.																			
23b Exterior Cement Board Siding & Trim	Acrylic Latex Eggshell	150	1	A100 Exterior Latex Satin (A82 Series)	1.30	N	49	Ultra Spec Exterior Paint Satin Finish (N448)	1.50	N	50	Hydrosealer Exterior Primer Sealer (6001)	1.30	Y	86	PermaCrete 4-603 Alkali Resistant Primer	1.2-1.5	Y	88
		150	2	A100 Exterior Latex Satin (A82 Series)	1.30	N	49	Ultra Spec Exterior Paint Satin Finish (N448)	1.50	N	50	Fortis 350 Exterior 100% Acrylic Satin Finish (2402V)	1.30	Y	<50	Speedhide 6-2045XI Exterior Acrylic Satin	1.40	Y	<50
Note: The following Item 24a is a low VOC compliant specification. Select 24a or 24b and delete products not used for Project.																			
24a Exterior Galvanized Ferrous Metal & Ductwork (Galvanized and Not Galvanized)	Acrylic Gloss Enamel	150	1	Pro Industrial Acrylic-Gloss (B66-600 Series)	2.10 -4.20	Y	0	Acrylic Metal Primer (P04) (As Required)	1.50	N	52	Devflex WB PF DTM Primer & Flat Finish (4020)	2.20-3.50	Y	91	PittTech Plus 90-912 DTM Metal Primer	2.00-3.00	Y	90
		150	2	Pro Industrial Acrylic - Gloss (B66-600 Series)	2.10 -4.20	Y	0	Aura Waterborne Exterior Paint Semi-Gloss (0632)	1.50	Y	46	Devflex WB Acrylic Gloss Enamel (659)	2.00-4.00	Y	91	PittTech Plus 90-1310 DTM Gloss	2.00-4.00	Y	90

DESCRIPTION				MANUFACTURER													
				SHERWIN-WILLIAMS				BENJAMIN MOORE				GLIDDEN PROFESSIONAL				PPG ARCHITECTURAL FINISHES			
Surface	Vehicle and Luster	Max VOC Content[2] (g/L)	No. of Coats	Products	DryMil Thickness (Per Coat)	GS-11[1] (Y or N)	VOC[2] (g/L)	Products	DryMil Thickness (Per Coat)	GS-11[1] (Y or N)	VOC[2] (g/L)	Products	DryMil Thickness (Per Coat)	GS-11[1] (Y or N)	VOC[2] (g/L)	Products	DryMil Thickness (Per Coat)	GS-11[1] (Y or N)	VOC[2] (g/L)
Note: The following Item 24b is NOT a low VOC compliant specification. Select 23a or 23b and delete products not used for Project.																			
24b Exterior Galvanized Ferrous Metal & Ductwork (Galvanized and Not Galvanized)	Acrylic Gloss Enamel	150		Pro Industrial Acrylic-Gloss (B66-600 Series)	2.10 -4.20	Y	0	Acrylic Metal Primer (P04) (As Required)	1.50	N	52					PittTech Plus 90-912 DTM Metal Primer	2.00-3.00	Y	90
		150		Pro Industrial Acrylic-Gloss (B66-600 Series)	2.10 -4.20	Y	0	DTM Acrylic Gloss Enamel (M28)	2.50	N	221					PittTech Plus 90-1310 DTM Gloss	2.00-4.00	Y	90

PAINT SCHEDULE

DESCRIPTION				MANUFACTURER													
				Sto Corp				SHERWIN WILLIAMS											
Surface	Vehicle and Luster	Max VOC Content[2] (g/L)	No. of Coats	Products	DryMil Thickness (Per Coat)	GS-11[1] (Y or N)	VOC[2] (g/L)	Products	DryMil Thickness (Per Coat)	Max VOC Content[2]		Products	DryMil Thickness (Per Coat)	GS-11[1] (Y or N)	VOC[2] (g/L)	Products	DryMil Thickness (Per Coat)	GS-11[1] (Y or N)	VOC[2] (g/L)
25. Guestroom Ceilings & Stairwells (Residence Inn and TownePlace Suites only)	Visible Light Catalyzing, Odor Neutralizing Acrylic		Latex primer plus 2 finish coats2	Climasan 81260	1.7-1.9		<5	Harmony B05W1051 Flat (Ceilings) B09W1051 Eggshell	1.70	<50g/l									

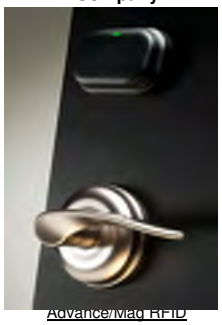
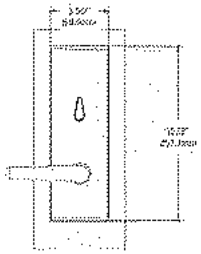
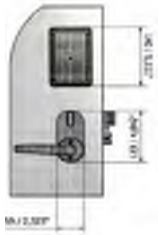
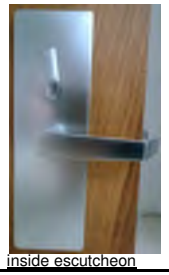
Note 1. Paints, coatings and primers meet or exceed the VOC and chemical component limits of Green Seal Standard GS-11 (2010) requirements.

Note 2. VOC content when calculated according to 40 CFR 59, Subpart D (EPA Method 24). Clear wood finishes, floor coatings, stains, and shellacs do not exceed the VOC limits of the South Coast Air Quality Management District (SCAQMD) Rule 1113, Architectural Coatings (in effect January 1, 2004). VOC Levels shown are unthinned without colorants, actual levels may vary based on colors used.

Note: 3. Revisions from last version are shown in **BOLD**.

TownePlace Suites Door Hardware Images

MARRIOTT CFRST DOOR HARDWARE

Fairfield / SpringHill Suites / TownePlace Suites					
Saflok, a DormaKaba Group Company	**VingCard, ASSA ABLOY Hospitality**	**Onity, a UTC Building & Industrial Systems Company**	**Onity, a UTC Building & Industrial Systems Company**	**Onity, a UTC Building & Industrial Systems Company**	**Onity, a UTC Building & Industrial Systems Company**
					
Quantum RFID Lock	VingCard Signature RFID	HT RFID - HT24 & HT34	Advance/Mag RFID	Trillium RFID	Advance Trillium RFID
FOR NEW BUILD	**FOR NEW BUILD**	**FOR RENO ONLY**	**FOR NEW BUILD**	**FOR RENO ONLY**	**FOR NEW BUILD**
FF Hardware Set: T01, T01A SHS Hardware Set: T01, T01A TPS Hardware Set:T01, T01A	FF Hardware Set: T01, T01A SHS Hardware Set: T01, T01A TPS Hardware Set:T01, T01A	FF Hardware Set: T01, T01A SHS Hardware Set: T01, T01A TPS Hardware Set:T01, T01A	FF Hardware Set: T01, T01A SHS Hardware Set: T01, T01A TPS Hardware Set:T01, T01A	FF Hardware Set: T01, T01A SHS Hardware Set: T01, T01A TPS Hardware Set:T01, T01A	FF Hardware Set: T01, T01A SHS Hardware Set: T01, T01A TPS Hardware Set:T01, T01A
Troy Lever	Wing Lever	Toledo Lever	SAME Toledo Lever	SAME Toledo Lever	SAME Toledo Lever
					
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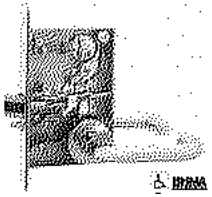
Interior Guestroom	**Public/BOH**	**BOH**	**Public/BOH**
			
Sargent 6500 Series	Sargent 10 Line Series	Sargent 8200 Series	Von Duprin 33A Series Exit Device
K Rose / P Lever	L Rose / P Lever	LN Rose / P Lever	Von Duprin 99 Series Exit Device
			17 Lever

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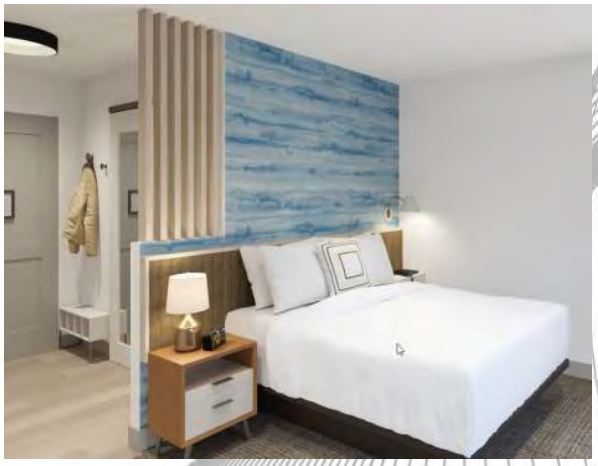
US & Canada

Operating Supplies and Equipment

All Generations

New Build

and Renovation OS&E



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New Build

and Renovation OS&E

Revision Log

Revision #	Date	Description
18	May 30, 2023	Regular Maintenance Update
17	Mar 24, 2023	Regular Maintenance Update
16	Jan 6, 2023	Regular Maintenance Update
15	Dec 29, 2022	Regular Maintenance Update
14	Oct 5, 2022	Regular Maintenance Update
13	Aug 2, 2022	Regular Maintenance Update
12	Apr 4, 2022	Regular Maintenance Update
11	Feb 23, 2022	Breakfast Program & Regular Maintenance Updates
10	Feb 17, 2022	Regular Maintenance Update
9	Jan 24, 2022	Regular Maintenance Update
8	Oct 4, 2021	Regular Maintenance Update
7	Jul 1, 2021	Quarterly Update
6	Mar 23, 2021	Quarterly Update
5	Feb 2, 2021	Regular Maintenance Update
4	Oct 6, 2020	Regular Maintenance Update
3	Jul 28, 2020	Regular Maintenance Update
2	Mar 24, 2020	Regular Maintenance Update
1	Jan 2, 2020	Regular Maintenance Update
	Nov 26, 2019	First publication to LOBO utilizing new spec tool: MIspecs

Operating Supplies and Equipment, All Generations New Build and Renovation OS&E	Issue Date:	Nov 26, 2019
	Revision Date:	May 30, 2023

Public Space

Ref	ID	Description

Public Space

Ref	ID	Description
5SUCOR	5SUCOR	Operating Supplies - see Public Space
5SUGRMS	5SUGRMS	Operating Supplies - see Public Space
ADA	EN-2072	ADA GUESTROOM KIT - INCLUDES:
ADA	EN-2072A	PORTA PRINTER 2000D TTY FRONT DESK, (REQUIRED
ADA	EN-2076	SHORT STATURE ACCESS KIT
ADA	HKH-00088HD	IRONING BOARD-ADA HEART OF HOUSE HOUSEKEEPING
ALLOWANCE	ADM-7387	MICROWAVE FOR EMPLOYEE
ALLOWANCE	AL-0001	SHELVING ALLOWANCE-LINEN ROOMS ($4,500)
ALLOWANCE	AL-0001A	SHELVING ALLOWANCE-LINEN ROOMS
ALLOWANCE	AL-0001B	SHELVING ALLOWANCE-LINEN ROOMS ($6K)
ALLOWANCE	AL-0015	ALLOWANCE-SHELF MNGT. SYSTEM
ALLOWANCE	AL-0031	ALLOWANCE @ FOR THE CITRUS WORLD JUICE DISPENSER
ALLOWANCE	AL-0123	ALLOWANCE-OPTIONAL CUPS, LIDS, SLEEVES, COMPOSTABLE
ALLOWANCE	AL-1008T	SYSTEMS ALLOW-100 RMS OR LESS
ALLOWANCE	AL-1008T-1	SYSTEMS ALLOW-100 TO 150 RMS
ALLOWANCE	HKC-1245T	LINEN ALLOW-TP BRAND STANDARD
ALLOWANCE	HKC-1245T-1	LINEN ALLOW-TP BRAND STANDARD
ALLOWANCE	HKC-1245T-2	LINEN ALLOW-TP BRAND STANDARD
ALLOWANCE	TBK-0038	ALLOWANCE-COLD CUP, CLEAR PLASTIC, 9 OZ
ALLOWANCE	UNF-5000T-2	UNIFORM ALLOWANCE (5K)
ALLOWANCE	WI-AL-1000M	ALLOWANCE - ECOLAB HOUSEKEEPING CHEMICALS
BABY	FO-0009	BIBS, DISPOSABLE, CHILDREN'S, TRI-PLY
BABY	HK-0022	SHAMPOO, -+-BABY, 1.7 OZ., JOHNSON
BABY	HK-0023	LOTION, -+-BABY, 1.7 OZ., JOHNSON
BABY	HK-0024HD	NIGHT LIGHT, FOR "TOTS TRAVEL TOO" PROGRAM
BABY	HK-0025HD	OUTLET PLUG PROTECTORS, FOR "TOTS

Ref	ID	Description
BABY	HKL-6700HD	CRIB BLANKET-36" X 50"-WHITE
BABY	HKM-4306HD	SLIPCOVER FOR PLAY YARD CRIB
BABY	HKM-4307HD	CRIB SHEETS, FITTED, FOR PLAY YARD CRIB,
BABY	HKM-4309HD	PLAY YARD, PORTABLE, COVERPLAY
BACK OF HOUSE	HK-7393	SHELVING, WIRE, @ SUPER ERECTA
BACK OF HOUSE	HK-7393P	POSTS FOR SHELVING, WIRE, @ SUPER ERECTA
BEDDING	HKL-0011HD	PILLOW, ECOSMART, QUEEN 20"X30"
BEDDING	HKL-0012HD	PILLOW-QUEEN SIZE-DOWN SURROUND-NATURAL
BEDDING	HKL-0013HD	PILLOW PROTECTOR-QUEEN SIZE
BEDDING	HKL-0015	PILLOWCASE-20.5X30-QUEEN SIZE-T200 DESIGNER CLOSURE
BEDDING	HKL-0054HD	MATTRESS PAD, QUEEN SMOOTH GRIP SKIRT FITTED 60 X 80, 4OZ
BEDDING	HKL-0055HD	MATTRESS PAD, DELUXE, KING, ECOSMART, FITTED, 76 X 80, WHITE
BEDDING	HKL-0056HD	MATTRESS PAD, H KING, FITTED, 72 X 80, WHITE, 4OZ
BEDDING	HKL-0057HD	MATTRESS PAD FULLXL ECOSMART FITTED 53" X 80" WHITE, 4OZ
BEDDING	HKL-1515FW	DECORATIVE BEDCOVER FULL COBBLESTONE 90"W X 94"L
BEDDING	HKL-1515KW	DECORATIVE BEDCOVER KING COBBLESTONE 112" W X 94" L
BEDDING	HKL-1515QW	DECORATIVE BEDCOVER QUEEN COBBLESTONE 98" W X 94" L
BEDDING	HKL-7200ADHD	MATTRESS TOPPER, FULL XL, 54X80, 20OZ
BEDDING	HKL-7200AHKHD	MATTRESS TOPPER HOTEL KING 72 X 80, 20OZ
BEDDING	HKL-7200AQHD	MATTRESS TOPPER-QUEEN-60 X 80, 20OZ
BEDDING	HKL-8000DHD	BLANKET-VESTA CLASSIC-FULL
BEDDING	HKL-8001QHD	BLANKET-VESTA CLASSIC-QUEEN
BEDDING	HKL-8002KHD	BLANKET-VESTA CLASSIC-KING
BEDDING	HKL-8012	SHEET-FLAT-TOP-T200-FULL SIZE-77" X 108", WHITE
BEDDING	HKL-8014	SHEET-FLAT-TOP-T200-QUEEN SIZE, 85" X 108", WHITE
BEDDING	HKL-8016	SHEET-FLAT-TOP-T200-KING SIZE, 96" X 108", WHITE
BEDDING	HKL-8018A	SHEET-FITTED-T200-FULLXL-12 INCH POCKET DEPTH, 54" X 80"
BEDDING	HKL-8018B	SHEET-FITTED-T200-FULLXL-15" POCKET DEPTH-54"X80"
BEDDING	HKL-8019A	SHEET-FITTED-T200-QUEEN SIZE, 12" POCKET DEPTH, 60" X 80"
BEDDING	HKL-8019B	SHEET-FITTED-T200-QUEEN SIZE -15" POCKET DEPTH-60"X80"
BEDDING	HKL-8020A	SHEET-FITTED-T200-HOTEL KING-12" POCKET DEPTH, 72" X 80",
BEDDING	HKL-8020B	SHEET-FITTED-T200-HOTEL KING-15" POCKET DEPTH, 72" X 80";
BEDDING	HKL-8020C	SHEET-FITTED-T200-HOTEL KING-15" POCKET DEPTH, 78" X 80"
BEDDING	HKL-9708	MATTRESS PROTECTOR, KING, ALLEREASE PLAT PRO, 78X80X9-12
BEDDING	HKL-9709	MATTRESS PROTECTOR, QUEEN, ALLEREASE PLAT PRO, 60X80X9-12
BEDDING	HKL-9731	MATTRESS PROTECTOR, H-KING, ALLEREASE PLAT PRO, 72X80X9-12
BEDDING	HKL-9732	MATTRESS PROTECTOR, FULL, ALLEREASE PLAT PRO, 54X80X9-12
BEDDING	HKL-9734	MATTRESS PROTECTOR, TWIN, ALLEREASE PLAT PRO, 39X80X9-12
BEDDING	WI-HKL-1246AHD	STORAGE BAG FOR BLANKET & PILLOW QUEEN/KING, 32" X 10" X 16"
ENGINEERING	EHA-4009	C-CLAMP LOCKING VISE GRIPS-6 IN. #3A516
ENGINEERING	EHA-4010	VISE GRIPS #1A421
ENGINEERING	EHA-4040	ANALOG CLAMP METER,#4FFJ7 MAX 300 AC AMPS MAX 600 AC VOLTS
ENGINEERING	EHA-5003	CHISEL- 6 PC. SET, STEEL #5ME53
ENGINEERING	EHA-5017	LEVEL-TORPEDO 9" #56HN58
ENGINEERING	EHA-5018	BOX LEVEL- ALUMINUM 24 IN. TOP READ #48FX48 ORANGE COLOR

Ref	ID	Description
ENGINEERING	EHA-5027	JIGSAW TOOL KIT CORDLESS #24T868 DEWALT
ENGINEERING	EHA-5310	NUT DRIVER SET #4A843
ENGINEERING	EMI-0100	FLASHLIGHTS-LARGE #2V929
ENGINEERING	EMI-4035A	LADDER, #3W140, MAX EXTENSION 25 FT.
ENGINEERING	EMI-5016	COMBINATION SQUARE #6X996
ENGINEERING	EMI-5135	VACUUM, 17 GALLON, WET/DRY W/ ATTACHMENTS #532187
ENGINEERING	EMI-5188	TAPE MEASURE-100 FT, 3/8" W, STEEL, YELLOW, #368154
ENGINEERING	EMI-5596	TOOLS-LEAF RAKE, 24" W , #111942
ENGINEERING	EN-4395	CHEMICAL STORAGE CABINET
ENGINEERING	EN-4397	GRILL-GAS, BBQ, W/ COVER
ENGINEERING	EN-5174B	TOOLS-SOCKET WRENCH SET 21 PC, 3/8 DRIVE, #183874
ENGINEERING	EN-5420	TOOL CART, MOBILE SHOP, 26 X 38 X 43, 5 DRAWERS, PADLOCKABLE
ENGINEERING	ENB-5001	SAW-HAND, #5C920, 15" BLADE LENGTH, 8 TPI, HARDWOOD HANDLE
ENGINEERING	ENB-5005	NAIL PULLER-11 IN #6R299
ENGINEERING	ENB-5006	WRECKING BAR #3FE89
ENGINEERING	ENB-5067	WRENCH-PIPE #4A504
ENGINEERING	ENB-5070	WRENCH - PIPE #4A499
ENGINEERING	ENB-5084	KNIFE-UTILITY #4A803, RETRACATABLE BLADE
ENGINEERING	ENB-5086	PUTTY KNIFE #13A670, 1-1/4", STIFF, STEEL/WOOD
ENGINEERING	ENB-5105	PLIERS, 9.5", TONGUE/GROOVE #4CR37
ENGINEERING	ENB-5106	PLIERS-LINEMANS #4A833
ENGINEERING	ENB-5109	PLIERS - LONG NOSE #4A864
ENGINEERING	ENB-5110	ALLEN KEY SET #3A580
ENGINEERING	ENB-5124	WRENCH-ADJUSTABLE, 8 IN. #1NYA3, CHROME
ENGINEERING	ENB-5125	WRENCH, CRESCENT, ADJUSTABLE, 10"
ENGINEERING	ENB-5145	COLD CHISEL SET #3R151
ENGINEERING	ENB-5149	CUTTERS-BOLT 18" #22UN80
ENGINEERING	ENC-2008	SHOVEL-STEEL-ROUND POINT #1WG31
ENGINEERING	ENC-6002	HAMMER DRILL CORDLESS #11A163, DEWALT
ENGINEERING	END-0713	EXTENSION CORD, #4GAA8, 50 FT
ENGINEERING	END-0715	LIGHT, TROUBLE #2W048
ENGINEERING	END-4035	LADDER, STEP, 6 FT., #4W078
ENGINEERING	END-4051	FISH TAPE REEL #2NXE8
ENGINEERING	END-5102	BELT, ELECTRICIANS, #5LF18
ENGINEERING	ENI-3011	WATER HOSE #423H80 COLD WATER GARDEN 50 FT. 5/8" DIA 500 PSI
ENGINEERING	ENI-5314	HAMMER, CLAW STYLE, 16 OZ. #2A628
ENGINEERING	ENI-5318	SHOVEL-STEEL-SQUARE TIP-#3YU83
ENGINEERING	ENI-6002	SNOW SHOVEL, STEEL #4W604
ENGINEERING	ENO-1090	ELECTRONIC CHARGING SCALE #5PWF8
ENGINEERING	ENO-1094	MANIFOLD GUAGE #6X639
ENGINEERING	ENQ-2151	KEY CABINET 60 UNITS #5KDJ8
ENGINEERING	EPO-5134	DRILLS, DEWALT, 3/8" CHUCK SIZE, 120 V, CORDED
ENGINEERING	EPO-5155	GRINDER - BENCH #4PC39
ENGINEERING	EPO-5167	DRILL/DRIVER- KIT CORDLESS #6CXN2 3/8" 12V MAX LI-ION
ENGINEERING	HK-3003A	RECEPTACLES-44 GAL. #2FTH4, BLACK UTLITY CONTAINER, PLASTIC
ENGINEERING	HK-3004	MOBILE BARREL DOLLY #5W007

Ref	ID	Description
ENGINEERING	HKG-4593	TILT TRUCK #5M639, 3/4 YARD CAPACITY
ENGINEERING	HKG-4594	DOMED LID FOR TILT TRUCK, #5M642
EXTERIOR	HKG-4591	RECEPTACLE FRAME #5W767
EXTERIOR	HKG-4592	RECEPTACLE PANEL #5W768, AGGREGATE STONE FINISH
F&B	BLT-0022	PLATE RACKS, 18 1/16" X 3 1/4"
F&B	BRKFST-1009A	RICE COOKER/WARMER, ELECTRIC, 23 CUP
F&B	CAT-5051	CHILLED DISPLAY COLD CELL, ITHERMO 8" X 2", SQUARE
F&B	CAT-5051A	BASE TRAY ONLY FOR COLD CELL VIDA CASEA MELAMINE
F&B	CBK-0054	SPOON, SOLID, BLACK, 11"
F&B	CHI-1107RI	CHINA-MUG,C HANDLE, 11 OZ
F&B	CHI-1108RI	CHINA-BOWL, UNDECORATED 13.5 OZ
F&B	CHI-1109RI	CHINA- DINNER PLATE, 10 1/4",
F&B	CLE-1700	BUCKET, PAIL, KLEEN-3 QT, PRO, RED
F&B	CLR-0058	LABELING GUN, EXTRA INK CARTRIDGES
F&B	FBK-0014A	CHILL-IT HOUSING @, 1/6 SIZE, BAMBOO, FOR CHILL-IT CONTAINER
F&B	FBK-0033	WASTE CAN-BULLET STYLE- BRUSHED
F&B	FBK-0034A	LINER FOR BULLET-STYLE WASTE CAN, 60 L,
F&B	FBK-0048	BRUSH, DISHWASHING, SOFT BRISTLE, 12 INCH
F&B	FBK-0049	CONTAINER-FOOD-2 QT-SQUARE-CLEAR
F&B	FBK-0050	LID FOR CONTAINER-2/4 QT. FOOD STORAGE
F&B	FBK-0051	GLOVES, THREE COMPARTMENT SINK, X-LARGE
F&B	FBK-0053	LABELING GUN, SINGLE LINE
F&B	FBK-0054	TAPE FOR LABELING GUN,
F&B	FBK-0056	PAN-SHEET-FULL SIZE NATURAL, 18 X 26 X 1 INCH
F&B	FBK-0058	TONGS, KITCHEN SPRING TYPE
F&B	FBK-0085	ALLOWANCE FOR SNEEZE GUARD, 35 INCH LONG
F&B	FBK-0125	SPOON, SERVING, PATTERN: FULCRUM
F&B	FBK-0131	LID FOR CHILL-IT CONTAINER,
F&B	FBK-0132	SHELF FOR MICROWAVE OVEN, OPTIONAL TO MOUNT MICROWAVE
F&B	FBK-0133	WASTE RECEPTACLE, SLIM JIM 23 GAL., GRAY
F&B	FBK-0134	LID, FOR SLIM JIM 23 GAL. WASTE RECEPTACLE, GRAY
F&B	FBK-0145	CHILLED DISPLAY COVER DOME FITS VIDA CASA HOUSING
F&B	FBK-0146A	CHILLED DISPLAY INSERT TRAY FOR VIDA CASA BASE WHITE 12"X12"
F&B	FBK-0147	CHILLED DISPLAY HOUSING FOR VIDA CASA BASE, BAMBOO
F&B	FBK-0149	FLATWARE/UTENSIL DISPLAY STAND 3 TIER BAMBOO
F&B	FBK-0155	FULL FOOD PAN INSERT INDUCTION SAUTEUSE S/S 14-1/8" DIAMETER
F&B	FBK-0177	SPOON REST, BRUSHED STAINLESS STEEL
F&B	FBK-5128	MARBLE GN 1/2 RECTANGULAR TRAY 12 3/4"L X 10 1/2"W
F&B	FBK-5129	BAKERY SPLIT COVER 21 1/2" X 13 3.4"
F&B	FBK-5130	SPOON, TOPPINGS DISPLAY, STAINLESS STEEL
F&B	FBK-5132	DISPLAY, TWO TIER STAND FOR TOPPINGS
F&B	FBK-5133	PITCHER W/ICE CHAMBER & STIR (72 OZ) KUFRA WHITE
F&B	FBK-5134	CADDY, BLACK WIRE
F&B	FBK-5135	DISPLAY, BLACK WIRE BASKET GN 1/2
F&B	FBK-5136	DISPLAY, BLACK WIRE BASKET GN 1/3
F&B	FBK-5137	COFFEE MAKER, BOROSILICATE DISPLAY

Ref	ID	Description
F&B	FBK-5138	CREAMER, COFFEE 1.0L
F&B	FBK-5139	DISPLAY, DECORATIVE CONTAINER, LARGE
F&B	FBK-5140	LID FOR GLASS BOTTLES (BW014, BW015, BW016) WHITE
F&B	FBK-5141	BOTTLE, MINI 2 3/8 X 4 3/4, 6 3/4 OZ
F&B	FBK-5142	BOTTLE, MINI 2 3/8 X 5 1/2, 8 1/2 OZ
F&B	FBK-5143	BOARD, FLAT TEAK WOOD 13 1/4 X 8 3/4
F&B	FBK-5144	BOARD, WOOD SERVING PADDLE OLIVE 15 X 7 3/4
F&B	FBK-5230	JAR, ACRYLIC, TOPPINGS, WOOD REMOVABLE LID
F&B	FLW-2250	KNIFE, TABLE, 9-1/4", ORIGIN, IMPORT
F&B	FLW-2251	TEASPOON, 6-1/8"L, ORIGIN, IMPORT,
F&B	FLW-2252	SPOON, DESSERT, 7-1/2", ORIGIN, IMPORT
F&B	FLW-2253	FORK, TABLE, 8-1/8", ORIGIN, IMPORT
F&B	GUS-8423A	GLASSWARE-BEVERAGE, 12 OZ.
F&B	KIT-00077	FOOD PAN INSERT, HALF SIZE S/S 2 QT BUFFET SERVER REFUEL
F&B	KIT-00276	BUFFET SERVER SAUTEUSE ROUND STAINLESS STEEL W/HYDRAULIC
F&B	KIT-00413	THERMOMETER POCKET TEST 5" (L) DIAL 0-220F
F&B	KIT-0337B	THERMOMETER, POCKET, EXEC NEEDLE, CHARCOAL
F&B	KIT-1453	CUTTING BOARD, PLASTIC, WHITE 18" X 12" X 1/2"
F&B	KIT-4010	MITT-OVEN-BLACK, 13.75" L, HEAT RESISTANT UP TO 500 DEGREES
F&B	KIT-4040	GLASS RACK, VOLLRATH, 25 CAP, FITS 12OZ BEVERAGE GLASS
F&B	KIT-5515	NAPKIN, DINNER, 15X17, 2-PLY, 1/8 FOLD
F&B	KIT-5516	FOOD PAN, CAMBRO, CAMWEAR, 2-1/2"H, WHITE
F&B	KIT-7040	RACK FOR COFFEE MUG, 11OZ, HOLDS 25, 4-13/16"H
F&B	KIT-7041	RACK FOR CEREAL BOWL, 3-1/4"
F&B	KITS-20025	DISPENSER, CEREAL, ECO MODERN
F&B	LNG-3323	BASKET STEAMER 1/6 HIGH TEMP
F&B	OBK-0011	MICROWAVE OVEN, COMMERCIAL, AMANA COMMERCIAL
F&B	OBK-0033	PAN-FOOD-QUART-SIZE-4" DEEP-AMBER
F&B	OBK-0034A	LID-SMART FOR FOOD PAN, 1/4 SIZE DARK BLUE COLOR
F&B	OBK-0041	CUP/LID HOLDER WITH METAL
F&B	PPE-5005	WIPES, 75% ALCOHOL
F&B	RBK-0013B	FLATWARE HOLDER, WHITE
F&B	RBK-0026	PAN-FOOD-QUART SIZE-4"-CLEAR
F&B	RBK-0027B	SEAL LID FOR FOOD PAN, QUARTER-SIZE, 4", CLEAR
F&B	RBK-0032	PAN-SHEET, HALF-SIZE, 18"X13"X1"
F&B	RBK-0105	KNIFE, COOK'S, 8" BLADE, MILLENNIA,
F&B	RBK-0114	SPOON, SLOTTED, 13 1/4", HEAVY
F&B	RBK-0128	CHILL-IT PAN, WHITE, FOR COLD CONDIMENTS
F&B	RBK-0138	CYLINDER, MELAMINE, WHITE, 8" FOR UTENSIL DISPLAY (KNIVES)
F&B	RBK-0141A	JAR, GLASS 4X4X4 FOR JAMS AND JELLIES
F&B	RBK-0143	CARAFE (FOR ICED COFFEE) 1.5 LITER POLYCARBONATE WITH
F&B	RBK-0153	ICE BUCKET, S/S
F&B	RBK-0170	DISPLAY, COFFEE, CONDIMENTS
F&B	RBK-0171	TOASTER, HAMILTON BEACH, 4-SLOT
F&B	RBK-0172	CARAFE, BAND,F/, SILK ORIGINAL OATMILK
F&B	RBK-0173	CARAFE, BAND,F/, HALF&HALF

Ref	ID	Description
F&B	RBK-0174	CARAFE, BAND,F/, 2% MILK
F&B	RSK-10013	TURNER, SLOTTED, 15", ECLIPSE
F&B	RSR-1047	OATMEAL COOKER/WARMER PACKAGE
F&B	SBK-0051	TONG, PASTRY, S/S, 8"
F&B	SBK-0158	BUFFET IDENTIFIER BASE, BAMBOO
F&B	SBK-2012	MINI SILVERMASTER SET, 4 COMPARTMENT
F&B	SBK-2015	DOLLY FOR GLASS RACKS BROWN WITHOUT HANDLE
F&B	TBK-0001	REFRIGERATOR-COUNTERTOP DISPLAY@
F&B	TBK-0027	PLATE, 10" DISPOSABLE
F&B	TBK-0032	TO GO FLATWARE-KNIFE,
F&B	TBK-0033	TO GO FLATWARE-TEASPOON,
F&B	TBK-0045	PEPPER GRINDER & SALT SHAKER, DEL NORTE
F&B	TBK-0052	TO GO FLATWARE, FORK
F&B	TBK-0073	INDUCTION SAUTEUSE STAINLESS STEEL
F&B	TBK-0074A	INDUCTION SAUTEUSE STABILIZER BAR
F&B	TBK-0075	INDUCTION RANGE, HOLD ONLY, 110 VOLTS
F&B	TBK-0096	TRASH CAN SIMPLE HUMAN BULLET STYLE 15.8 GAL. (60L) OPEN
F&B	TBK-0097A	PLATE, RED MELAMINE, OPTIONAL FOR TOWNEPLACE SUITES
F&B	TBK-0100A	CHILL-IT INSERT PAN-1/6 SIZE SQUARE BLACK;
F&B	WI-FBK-2002	NAPKIN HOLDER, BAMBOO, 9-1/2" X 4-3/8" X 4"
FITNESS CENTER	HKL-6500	TOWELS-WORKOUT,WHITE, 20 X 40
FLOOR CARE	HKE-0085	STEAM CLEANER COMPACT SG 4/4 VAPO HYDRO FUNCTION FOR
FLOOR CARE	HKE-0085A	CART TRANSPORT FOR STEAM CLEANER SG4/4 - TWO WHEEL
FLOOR CARE	HKE-2211	VACUUMS-WINDSOR SENSOR XP (SRXP12); UPRIGHT, 12"
FLOOR CARE	HKE-2211C	COVER FOR VACUUM - SENSOR 12" SOFTVAC, UPRIGHT
FLOOR CARE	HKE-2212	VACUUM BAGS, REPLACEMENT, FOR SENSOR MODEL VACUUMS
FLOOR CARE	HKE-2223	VACUUM-WINDSOR VERSAMATIC 18 INCH UPRIGHT
FLOOR CARE	HKE-2223B	VACUUM BAGS- FOR VERSAMATIC VS14 & VS18
FLOOR CARE	HKE-3203	CARPET CLEANER BRS 43/500C 115 V DELUXE iCAPSOL MINI 17"
FLOOR MAT	HKE-0057A	FLOOR MAT, 3X5 FT. ANTI-FATIGUE COMFORT MAT, COLOR: BLACK
FLOOR MAT	HKE-0057B	FLOOR MAT, 4X6 FT. ANTI-FATIGUE COMFORT MAT, COLOR: BLACK
FLOOR MAT	HKE-7200	WALK OFF MAT-NO LOGO 3ft X 4ft
FLOOR MAT	HKE-7201	WALK-OFF MAT-NO LOGO-3 FT X 5 FT
FLOOR MAT	HKE-7202	WALK OFF MAT-NO LOGO-4FT X 6FT
FLOOR MAT	HKE-7203	WALK OFF MAT-NO LOGO-3FT X 20FT
FRONT DESK	ADM-0007	NAME BADGE KIT, @ TOWNEPLACE SUITES
FRONT DESK	ADM-0007A	NAME BADGE REORDER KIT @, TOWNEPLACE SUITES
FRONT DESK	FOB-2009	WHEELCHAIR, DMI 18" W/FOOT REST
FRONT DESK	FOM-0113RS	KEY CARD-GUESTROOM-TOWNEPLACE SUITES-RFID SAFELOK
FRONT DESK	HKE-4411A	LUGGAGE CART-STANDARD
FRONT DESK	HKH-0009	SHARPS SAFETY EQUIPMENT, 50 TO 200 ROOMS
GUEST REQUEST	FOM-0004	PLAYING CARDS TPS SOMETHING BORROWED PROGRAM 2.5" X 3.5"
GUEST REQUEST	FOM-0005	UMBRELLA, TPS SOMETHING BORROWED PROGRAM 36" ARC FOLDING

Ref	ID	Description
GUEST REQUEST	FOM-0027HD	BLENDER 44 OZ. TPS SOMETHING BORROWED PROGRAM
GUEST REQUEST	FOM-0029HD	MIXING BOWL 1.5 QT. TPS SOMETHING BORROWED PROGRAM HD S/S
GUEST REQUEST	FOM-0031HD	MIXING BOWL 5 QT. TPS SOMETHING BORROWED PROGRAM HD S/S
GUEST REQUEST	FOM-1026	SLOW COOKER TPS SOMETHING BORROWED PROGRAM 5 QT. W/LID
GUEST REQUEST	FOM-1028	RICE COOKER TPS SOMETHING BORROWED PROGRAM 2-14 CUP
GUEST REQUEST	FOM-1120	UNO CARD GAME MATTEL CUSTOM W/ WILD CARD
GUEST REQUEST	FOM-1121	SORRY! BOARD GAME HASBRO #HDJM15935
GUEST REQUEST	FOM-1122	SCRABBLE GAME MFG # HDJM15936
GUEST REQUEST	HKB-0101HD	TOOTHPASTE, COLGATE TOTAL, 0.75 OZ. TUBE
GUEST REQUEST	HKB-0102HD	TOOTHBRUSHES, COLGATE, INDIVIDUALLY WRAPPED
GUEST REQUEST	HKB-1204HD	MOUTHWASH, MINT, 1 OZ BTL
GUEST REQUEST	HKB-1205HD	MENDING KIT, FOLDED U-SHAPE GENERIC
GUEST REQUEST	HKB-1206HD	SHOWER CAP, CLEAR PLASTIC CAP, FROSTED CLEAR SACHET
GUEST REQUEST	HKB-1207HD	SHOE SHINE SPONGE, CARTON, BILINGUAL
GUEST REQUEST	HKB-1208HD	VANITY KIT, 2 COTTON BALLS, 2 Q-TIPS, 1 EMERY BOARD
GUEST REQUEST	HKB-1210HD	SHAVE KIT, CONTAINS 1 RAZOR
GUEST REQUEST	HKB-5547HD	DEODORANT, MENS, .5 OZ. OLD SPICE PURE SPORT ANTIPERSPIRANT
GUEST REQUEST	HKB-5548HD	COMB, BLACK, 5", PLASTIC, INDIVIDUALLY WRAPPED
GUEST REQUEST	HKM-3132	AIR MATTRESS, TWIN SIZE, INTEX MID RISE, BUILT IN PUMP
GUEST REQUEST	HKM-5549HD	TAMPONS, TAMPAX
GUEST REQUEST	HKM-5550HD	MAXI PADS, NATURELLE PLUS WITH WINGS
GUEST REQUEST	HKR-00058HD	BATHROOM SCALE TAYLOR PRECISION CLEAR GLASS
GUEST REQUEST	HKR-1671	ROLL AWAY BEDS-MOBILE SLEEPER TWIN SIZE 78"H X 40"W
GUEST REQUEST	WI-HKB-5547AHD	DEODORANT, WOMEN, GILLETE SECRET INVISIBLE, POWDER FRESH
GUESTROOM	ACH-0032HD	HAIR DRYER, HAND HELD, ANDIS, BLACK, FULL SIZE
GUESTROOM	ADS-5237	LABELS-FOR SOFA BED
GUESTROOM	HK-0052	TEA BAGS-BIGELOW ENGLISH TEA TIME
GUESTROOM	HK-1600HD	FACIAL TISSUE-CUBE BOX-KLEENEX NATURALS BOUTIQUE

Ref	ID	Description
GUESTROOM	HK-1610AHD	SURPASS SIGNAL FACIAL TISSUE,
GUESTROOM	HK-1620HD	KLEENEX COTTONELLE BATH TISSUE
GUESTROOM	HK-7301	COFFEE MAKER, IN ROOM, ONE CUP, CV1
GUESTROOM	HK-7392AHD	DISH SOAP, LIQUID, PALMOLIVE
GUESTROOM	HK-7392HD	AUTOMATIC DISHWASHER DETERGENT
GUESTROOM	HKA-0003HD	ALARM CLOCK iHOME BEDSIDE SINGLE DAY COLOR: BLACK GUESTROOMS
GUESTROOM	HKA-1566	ALARM CLOCK BRANDSTAND CUBIEBLUE USB BLUETOOTH
GUESTROOM	HKA-5791HD	HAIR DRYER, HAND HELD, 1875 WATTS RETRACTABLE CORD
GUESTROOM	HKA-5796EHD	BAG FOR HAIRDRYER
GUESTROOM	HKB-0504	TISSUE COVER, PATTERN: NASSAU COLOR: ICE, 5.25" SQ. X 5.75"H
GUESTROOM	HKB-1135	SOAP BAR FLOW WRAP UNIVERSAL .72OZ CFRST MARIETTA
GUESTROOM	HKB-1136	LOTION MOISTURIZING .70 OZ CFRST MARIETTA
GUESTROOM	HKB-1137	BODY WASH ALICE MARRIOTT 360ML
GUESTROOM	HKB-1138	CONDITIONER ALICE MARRIOTT 360ML
GUESTROOM	HKB-1139	SHAMPOO ALICE MARRIOTT 360ML
GUESTROOM	HKB-1583	READY CARE DOVELOK MOUNTING TEMPLATE FOR SHOWER
GUESTROOM	HKB-1584	BRACKET DOVELOCK, WHITE, READY CARE
GUESTROOM	HKB-5507	SOAP DISH, SQUARE, 4" X .5"H, PATTERN: NASSAU, COLOR: ICE,
GUESTROOM	HKC-2011	LUGGAGE RACK-800-SH-EP-SILVER
GUESTROOM	HKC-2023HD	HANGERS-WOMENS-OPEN HOOK-DARK WOOD-BRASS HARDWARE
GUESTROOM	HKC-2024HD	HANGERS-MENS-OPEN HOOK-DARK WOOD-BRASS HARDWARE
GUESTROOM	HKC-2027	HANGERS-MENS-MAHOGANY-CHROME HARDWARE
GUESTROOM	HKC-2028	HANGERS-WOMENS-MAHOGANY-CHROME HARDWARE
GUESTROOM	HKL-4115AHD	KITCHEN TOWEL-15"X24"-TAUPE
GUESTROOM	HKL-4116HD	DISHCLOTHS, 12" X 12", NATURAL
GUESTROOM	HKL-4117HD	POT HOLDERS, 7" X 7", NATURAL
GUESTROOM	HKM-6003	LID FOR COFFEE CUP, 12 OZ. DISPOSABLE
GUESTROOM	HKM-6028	COLD CUP DISPOSABLE, 10 OZ. INDIVIDUALLY WRAPPED CLEAR
GUESTROOM	HKM-6030	CAFE VALET RAINFOREST BLEND ONE- CUP COFFEE- REGULAR
GUESTROOM	HKM-6031	CAFE VALET RAINFOREST BLEND ONE- CUP COFFEE DECAFFEINATED
GUESTROOM	HKM-6031A	CAFE VALET ONE CUP CONDIMENT PK WITH WOOD STIR STICK
GUESTROOM	HKM-6050	TWININGS EARL GREY TEA BAGS
GUESTROOM	HKM-6051	TWININGS ENGLISH BREAKFAST DECAF TEA BAGS
GUESTROOM	HKM-6052	COFFEE CUP SLEEVE
GUESTROOM	HKM-6053	COFFEE CUP 10 OZ WHITE PCF, WRAPPED
GUESTROOM	HKP-1430	BOOK OF MORMON-ENGLISH LANGUAGE EDITION
GUESTROOM	HKP-1440	BOOKS-GIDEON BIBLE
GUESTROOM	HKP-1440C	BOOK-BIBLE (FOR CANADIAN PROPERTY)
GUESTROOM	HKR-1101HD	WASTEBASKET, RECYCLE BLACK CORDOBA MODEL W/BLACK STITCHING
GUESTROOM	HKR-1102AHD	WASTEBASKET LINERS, BLACK RECYCLE SETS F/GSTRM WASTEBASKET,
GUESTROOM	HKR-1289HD	PEN, GUESTROOM ROUND STIC TOWNPLACE SUITES
GUESTROOM	HKR-5434HD	LAUNDRY BAG, TOWNEPLACE SUITES
GUESTROOM	SUW-7441	TOASTER, HAMILTON BEACH, PROCTOR-SILEX, 2 SLICE, BLACK

Ref	ID	Description
GUESTROOM	SUW-7442	PAN, SAUTE, 10", ALUMINUM ALLOY, FOR RI AND TPS COOKWARE
GUESTROOM	SUW-7443	POT, STOCK, 6QT W/LID, NON STICK, FOR RI AND TPS COOKWARE
GUESTROOM	SUW-7444	PAN, SAUCE, 2QT W/LID, NON STICK, FOR RI AND TPS COOKWARE
GUESTROOM	SUW-8400T	HOUSEWARES PACKAGE, TWNP, STUDIO/1 BEDROOM
GUESTROOM	SUW-8401T	HOUSEWARES PACKAGE, TWNP, 2 BEDROOM, TOWNEPLACE SUITES
GUESTROOM	SUW-8403	ORGANIZER-IRONING-WHITE PLASTIC 15" HOLDS IRON & BOARD
GUESTROOM	SUW-8425	GLASSWARE-BEVERAGE, 12 OZ.
GUESTROOM	SUW-8455C	FORK DINNER WORLD TABLEWARE 145 030 PATTERN: WELLINGTON
GUESTROOM	SUW-8456A	KNIFE DINNER WORLD TABLEWARE 145 5262 PATTERN: WELLINGTON
GUESTROOM	SUW-8457B	TEASPOON 6" WORLD TABLEWARE 145 001 PATTERN: WELLINGTON
GUESTROOM	SUW-8458	BASKET-LAUNDRY-WHITE
GUESTROOM	SUW-8467	MEASURE-1 PINT-PYREX GLASS
GUESTROOM	SUW-8473	KNIFE, STEAK, (OPTIONAL) 5", PULSAR II
GUESTROOM	SUW-8474	GLASSWARE-WINE GLASS, 8 OZ., CITATION
GUESTROOM	SUW-8506HD	SPONGE MINI SCRUB MOMMY GUESTROOM KITCHEN RINN & TPS
GUESTROOM	SUW-8507HD	SALT & PEPPER SHAKER DISPOSABLE GUESTROOM KITCHEN RINN & TPS
GUESTROOM	SUW-8511	DINNER PLATE 10-1/2" PORCELANA WORLD TABLEWARE 840-438R-10
GUESTROOM	SUW-8512	SALAD PLATE 7-1/4" PORCELANA WORLD TABLE WARE 840-420R-24
GUESTROOM	SUW-8513	BOWL NAPPIE 15 OZ. 5-5/8" PORCELAIN WHITE ULTIMA
GUESTROOM	SUW-8514	MUG 12 OZ. SEYGO PATTERN WORLD TABLEWARE INC SYM-12
GUESTROOM	WI-HKB-2401	BASKET FOR COFFEE SUPPLIES WIRE BLACK 5" X 12"
HOUSEKEEPING	HK-0062HD	PAPER TOWELS SCOTT C-FOLD WHITE, 200 SHEETS EACH
HOUSEKEEPING	HK-7394	PLUNGERS #1RLV8
HOUSEKEEPING	HKM-2703	AIR PURIFIER SYSTEM, PORTABLE
HOUSEKEEPING	HKM-2704	AIR PURIFICATION SYSTEM
HOUSEKEEPING	HKP-7018	DOOR HANGER, DO NOT DISTURB, TOWNEPLACE
HOUSEKEEPING	HKP-7019	DOOR HANGER, TERRY REUSE, TOWNEPLACE
HOUSEKEEPING	HKP-7020	DOOR HANGER, STAFF IN ROOM, TOWNEPLACE
HOUSEKEEPING	HKP-7021	DOOR HANGER, PET IN ROOM, TOWNEPLACE
HOUSEKEEPING	HKP-7022	DOOR HANGER, SERVICE ATTEMPT, TOWNEPLACE
HOUSEKEEPING	HKS-00006	MOP HANDLE TELESCOPIC 59 INCH
HOUSEKEEPING	HKS-0006HD	HOUSEKEEPING CADDY BAG, 9 POCKET, NYLON, BLACK
HOUSEKEEPING	HKS-0036HD	SPONGE, LIGHT DUTY 3.6"W X 6.1"L, YELLOW WITH WHITE
HOUSEKEEPING	HKS-0038HD	SCRUB BRUSH, 6", IRON STYLE, MOLDED PLASTIC HANDLE
HOUSEKEEPING	HKS-0039HD	TOILET BOWL MOP, 15"
HOUSEKEEPING	HKS-0041HD	MOP HEAD-WHITE-LARGE-ANTI-MICROBIAL
HOUSEKEEPING	HKS-0043HD	MOP HANDLE-54 IN. PLASTIC HEAD
HOUSEKEEPING	HKS-0044HD	ROLLER SPONGE MOP-BRONZE
HOUSEKEEPING	HKS-0057HD	GLOVES, MEDIUM, DISPOSABLE, POWDER-FREE,
HOUSEKEEPING	HKS-0058HD	GLOVES, LARGE, DISPOSABLE, POWDER-FREE
HOUSEKEEPING	HKS-0066HD	BUCKET, UTILITY, ROUND, 10 QUART, GRAY, RUBBERMAID, BRUTE
HOUSEKEEPING	HKS-0067HD	MOP BUCKET WRINGER COMBO, PLASTIC, YELLOW, 35 QT.
HOUSEKEEPING	HKS-0127	DUST MOP 36" X 7" BLUE FRINGE EASY ON & OFF HOOK & LOOP BLUE
HOUSEKEEPING	HKS-0131	DUST MOP 48" X 7" GREEN FRINGE EASY ON & OFF HOOK & LOOP
HOUSEKEEPING	HKS-0133	MOP FLAT 12" X 5" BLUE COLOR CODED; EASY ON &OFF HOOK &

Ref	ID	Description
		LOOP
HOUSEKEEPING	HKS-0134	MOP FLAT 18" X 5" BLUE EASY ON & OFF HOOK & LOOP BLUE
HOUSEKEEPING	HKS-0135	MOP FLAT 18" X 5" GREEN EASY ON & OFF HOOK & LOOP
HOUSEKEEPING	HKS-0136	MOP FLAT 18" X 5" ORANGE EASY ON & OFF HOOK & LOOP GRAY FLAT
HOUSEKEEPING	HKS-0137	MOP FLAT 18" X 5" GRAY EASY ON & OFF HOOK & LOOP
HOUSEKEEPING	HKS-0138	FINISH APPLICATOR BLUE FOR ANY TYPE FLOOR FINISH; APPLIES A
HOUSEKEEPING	HKS-0139	FLAT MOP 18" X 7" BLUE FRINGE EASY ON & OFF HOOK & LOOP BLUE
HOUSEKEEPING	HKS-0140	FLAT MOP 18" X 7" GRAY FRINGE EASY ON & OFF HOOK & LOOP GRAY
HOUSEKEEPING	HKS-0141	FLAT MOP S&C 18" X 7" GRAY EASY ON & OFF HOOK & LOOP GRAY 18
HOUSEKEEPING	HKS-0142	SPONGE ORANGE 4" X 7" COLOR CODED FOR USE IN BATHROOMS
HOUSEKEEPING	HKS-0143	CLOTH GREEN 12" X 12" SUPER SILK HIGH PERFORMANCE ULTRA FINE
HOUSEKEEPING	HKS-0144	CLOTH GREEN 12" X 12" TERRY FOR FOOD PREP & SERVICE AREAS
HOUSEKEEPING	HKS-0145	CLOTH GRAY 12" X 12" TERRY FOR USE IN GUESTROOM FOR DRYING
HOUSEKEEPING	HKS-0146	CLOTH YELLOW 12" X 12" TERRY FOR USE IN GUESTROOM
HOUSEKEEPING	HKS-0147	CLOTH BLUE 16" X 16" TERRY USED FOR DUSTING IN THE GUESTROOM
HOUSEKEEPING	HKS-0148	CLOTH GREEN 16" X 16" TERRY FOR FOOD PREP & SERVICE IN
HOUSEKEEPING	HKS-0149	CLOTH ORANGE 16" X 16" TERRY FOR USE IN BATHROOM
HOUSEKEEPING	HKS-0150	MITT ORANGE ALL PURPOSE FOR USE IN BATHROOM
HOUSEKEEPING	HKS-0151	MOP TUBE GREEN 33" YELLOW HB COLOR CODED FOR FOOD SERVICE
HOUSEKEEPING	HKS-0152	MOP TUBE GRAY 33" YELLOW HB HIGH PERFORMANCE
HOUSEKEEPING	HKS-0153	DUSTER COVER CHENILLE BLUE 4" X 20" FOR DUSTING
HOUSEKEEPING	HKS-0154	DUSTER COVER CHENILLE GREEN 4" X 20" FOR DUSTING
HOUSEKEEPING	HKS-0155	DUSTER COVER CHENILLE GRAY 4" X 20" FOR DUSTING
HOUSEKEEPING	HKS-0156	GLOVE WHITE RIGHT 7" X 6" AMBIDEXTEROUS 5-FINGER WITH
HOUSEKEEPING	HKS-0157	HANDLE EASY GRIP SHORT 7" ERGONOMIC FOR 12" & 18" FLAT MOPS
HOUSEKEEPING	HKS-0158	FRAME FLAT MOP HOOK & LOOP 18" X 5" EASY ON & OFF FOR 18"
HOUSEKEEPING	HKS-0159	HOOK & LOOP STRIPS 2 PACK REPLACEMENT FOR 12" FRAME FLAT MOP
HOUSEKEEPING	HKS-0160	HOOK & LOOP STRIPS 2 PACK REPLACEMENT FOR 18" FRAME FLAT MOP
HOUSEKEEPING	HKS-0162	FRAME FLAT MOP 36" X 5" EASY ON & OFF HOOK & LOOP FRAME FOR
HOUSEKEEPING	HKS-0163	HANDLE 22" ERGONOMIC SHORT ELESCOPIC HANDLE FOR USE WITH
HOUSEKEEPING	HKS-0164	GREEN REFILL BOTTLE 21 OZ W/PMS362 GREEN BOTTLE PMS 11U GRAY
HOUSEKEEPING	HKS-0167	REFILL BOTTLE ORANGE 21 OZ W/PMS 11U GRAY CAPS FOR USE WITH
HOUSEKEEPING	HKS-0168	REFILL BOTTLE YELLOW 21 OZ W/PMS 11U GRAY CAPS FOR USE WITH
HOUSEKEEPING	HKS-0169	SDX-50 W/YELLOW BOTTLE 50" FRAME NOT INCLUDED 50" BUCKETLESS
HOUSEKEEPING	HKS-0170	SDX-60 W/YELLOW BOTTLE 60" FRAME NOT INCLUDED 58" BUCKETLESS
HOUSEKEEPING	HKS-0171	BUCKET SMALL WIPER BLUE COLOR CODED PAIL FOR USE WITH 12" OR

Ref	ID	Description
HOUSEKEEPING	HKS-0172	BUCKET SMALL WIPER GREEN COLOR CODED GREEN PAIL FOR USE
HOUSEKEEPING	HKS-0173	BUCKET SMALL WIPER YELLOW FOR USE WITH 12" OR 16" YELLOW
HOUSEKEEPING	HKS-0174	BUCKET SMALL WIPER ORANGE FOR USE WITH 12" OR 16" ORANGE
HOUSEKEEPING	HKS-0175	LID GRAY FOR CTA125 BUCKET
HOUSEKEEPING	HKS-0176	FLAT MOP BUCKET YELLOW W/LID RECTANGULAR 10-3/4" X 20-1/4" X
HOUSEKEEPING	HKS-0177	MOP CLAMP BLUE CLAW FOR ATTACHING TUBE MOP TO STRAIGHT
HOUSEKEEPING	HKS-0178	MOP CLAMP GREEN CLAW FOR ATTACHING GREEN TUBE MOP
HOUSEKEEPING	HKS-0179	MOP CLAMP GRAY CLAW FOR ATTACHING ANY TUBE MOP TO STRAIGHT
HOUSEKEEPING	HKS-0180	MOP CLAMP ORANGE CLAW FOR ATTACHING ANY TUBE MOP TO
HOUSEKEEPING	HKS-0181	HANDLE ALUMINUM BLUE 140CM FOR USE WITH BLUE CLAW
HOUSEKEEPING	HKS-0182	HANDLE ALUMINUM GREEN 140CM FOR USE WITH GREEN CLAW
HOUSEKEEPING	HKS-0183	HANDLE ALUMINUM GRAY 140CM FOR USE WITH BLUE CLAW
HOUSEKEEPING	HKS-0184	HANDLE ALUMINUM ORANGE FOR USE WITH ORANGE CLAW
HOUSEKEEPING	HKS-0185	SQUEEGEE ORANGE FOR SHOWER AND TUB WALL SURROUNDS
HOUSEKEEPING	HKS-0186	SHOWER PADDLE WITH 10" SQUEEGEE ORANGE FOR SLIDING BARN DOOR
HOUSEKEEPING	HKS-1530	SPONGE, YELLOW 3M C41 OCELO XL COMMERCIAL
HOUSEKEEPING	HKT-2193	HOUSEKEEPING CART ABS PLASTIC CABINET;
LAUNDRY	HKE-1750	TABLE LAUNDRY FOLDING ABS 30"X96" BLK LEGS, TOP, UP TO 38"H
LAUNDRY	HKM-7251	VENDING MACHINE-FOR DETERGENT/SOAP,
LAUNDRY	HKM-7254HD	VENDING MACHINE, CHEER LAUNDRY
LAUNDRY	HKM-7256HD	DRYER SHEETS SNUGGLE
LAUNDRY	HKT-4310	TRUCKS-LAUNDRY 12 BUSHEL, 15 CU. FT.
LAUNDRY	HKT-4410	TRUCKS-HAND #3W089, 500 LB CAPACITY, 51"H, LOOP HANDLE
LAUNDRY	LIN-0214B	LAUNDRY TRUCK 33 CU. FT./800 LB. CAPACITY POLY TRUX
MEETING ROOM	MTG-0078	TABLE-MEETING RM-72"L X18"-30"Wx29.75"H-FOLDING-WALNUT-BLACK
MEETING ROOM	MTG-0079	TABLE-W/POWER-MEETING ROOMS 72"L X18"-30"WX29.75"H
MEETING ROOM	MTG-0800	TRAY-FOR MEETING ROOM TABLES-12.5" X 7.5" X 1.5"-IRON
POOL	HKL-6510	TOWELS-POOL, STANDARD, SEAFOAM
POOL	HKL-6520BHD	SPECIALTY POOL TOWEL BLUE CAM BORDER 24" X 50"
TERRY	HKL-4102	TOWELS-HAND, CFST, 16" X 25", CHECKERED DOBBY PATTERN
TERRY	HKL-6119HD	WASH CLOTH 12" X 12" WHITE GOOD PREFERRED COMFORT
TERRY	HKL-6240	BATH MAT-20"X29" CHECKERED DOBBY PATTERN, WHITE COLOR CFST
TERRY	HKL-6350N	TOWELS-BATH, 30"X52", CHECKERED DOBBY PATTERN,

Operating Supplies & Equipment User Guide

Operating Supplies and Equipment (OS&E)
New Build and Conversion Projects

The purchasing business is a competitive industry, driven by attractive pricing, quality products, and flawless execution. The easiest and most cost effective way to handle your Operating Supplies and Equipment is to purchase directly through Marriott's Architecture and Construction (A&C) Procurement Team. The Marriott team is A&C's best advocate. Educating Marriott's owner and franchisee community about A&C Procurement and the unique benefits of working as one team, we can together strengthen our industry relationships, and continue to open competitive, viable Marriott branded properties. For Marriott A&C Procurement, volumes are dependent on performance, and work is awarded by our owners and franchisees on a project by project basis. Leveraging industry expertise, volume pricing, and established relationships, A&C Procurement offers competitive, customer-focused purchasing services at cost-effective prices. What sets A&C Procurement apart from other purchasing firms?

Marriott Alignment

Collaboration goes a long way, and A&C's ability to work side-by-side with Marriott Operations and additional internal teams cannot be duplicated by any other supplier in the business. Responsible for developing and maintaining Marriott's design standards, A&C Procurement can quickly and efficiently meet the needs of the property. Additionally, partnering with Marriott Operations, regional leaders, and opening teams ensures a smooth and seamless move-in, allowing operators to focus their attention on the details that matter most.

Competitive Pricing

Leveraging volume pricing and loyal supplier relationships, A&C offers proven and competitive pricing for the quality specifications identified.

Reduced Budget Risks

Providing preliminary budget guidelines, A&C works with clients to rapidly develop sample budgets, identifying upfront opportunities to generate cost savings.

Loyal Supplier Relations

Unique access to a diverse pool of new and established suppliers provides choice for Marriott owners and franchisees.

Extended Services

A&C's service model extends well beyond simply purchasing. Unlike the competition, a team of knowledgeable support representatives take on the responsibility in **preparing the detailed specification and quantity** list as well as coordinate the warehouse and move in services.

Product Knowledge / Expertise

Solely focused on hospitality purchasing, A&C Procurement has a great depth for the business and Marriott's brands. More than just a team of buyers, an experienced commodity contracting team is dedicated to evaluating suppliers and contracting high-quality, cost competitive products that demonstrate superior durability. Monitoring industry shifts, globally, our commodity contractors work to ensure long-term pricing is maintained long after a hotel opens. – And replenishing is not an afterthought. Products provided at opening are retained for replacement purposes, ensuring uniformity in hotel offerings and a consistent guest experience.

Refined Customer Service

Managing $250M in purchasing volumes, our customer service extends well beyond a property's grand opening. Aligned with Marriott Operations, as well as regional teams and opening managers, we complete projects with ease and strive to provide 100% customer satisfaction.

For further information on the OS&E Purchasing Process and Services through Marriott A&C, please contact Kim Riffle, Director of Purchasing at 301-380-1588 or Kim.Riffle@Marriott.com.

Reference Designator Legend

Reference Designator Key for Operating Supplies and Equipment Items

Prefix	Description
5A	Allowance
5AD	Administrative
5ADE	Administrative Equipment
5ADF	Administrative Forms
5ADM	Administrative
5ADN	Administrative Manuals
5ADS	Administrative Supplies
5ADT	Admin Forms/Stationary
5ALE	Assisted Living Equipment
5AV	Audio Visual
5AVEQ	Av Equipment
5BAE	Breakfast Add'L Equipment
5BBW	Breakfast Black Wire
5BEVS	Beverage Supplies
5BK	Breakfast Buffetware
5BUFTABLTP	Buffet/Break/Tbltop
5CA	Catering
5CAA	Catering Audio Visual
5CAD	Catering Miscellaneous
5CAH	Catering Chairs
5CAL	Catering Tables
5CAT	Catering Tabletop
5CLE	Cleaning
5CLSU	Cleaning Supplies
5CN	Computer System
5CNF	Cashier Form
5CNM	Mailing Equipment
5CSUR	Cleaning Supplies-Rooms
5DISP	Disposables
5DSH	Kitchen Equipment
5EHA	Engineering Handtools
5EMI	Engineering Miscellaneous
5EN	Engineering
5ENA	Engineering
5ENB	Engineering Safety
5ENC	Engineering Power Tools
5END	Engineering Misc. Tools
5ENE	Engineering Equipment
5ENI	Engineering Miscellaneous
5ENJ	Engineering Miscellaneous
5ENL	Engineering Signage
5ENO	Engineering Miscellaneous
5ENQ	Engineering Key
5ENT	Engineering Tools
5EPO	Engineering Power Tools
5EVENT	Quipment
5FBSU	FandB Supplies
5FITC	Fitness Center

5FLC	Floor Equipment
5FLW	Flatware
5FO	Front Office
5FOB	Front Office Bellstand
5FOF	Front Office Forms
5FOM	Front Office Misc
5FRB	Forms
5FTIR	In Room Fitness
5GLD	Gold Stand Glassware and Rack
5GLS	Glassware Rest/Catering
5GLW	Glassware
5GRSU	Guestroom Supplies
5GUF	Gatehouse Buffet
5GUM	Gatehouse Miscellaneous
5HK	Housekeeping
5HKA	Housekeeping Guestrm Elec
5HKB	Housekeeping Guestrm Bath
5HKC	Housekeeping Guest Closet
5HKE	Housekeeping Equipment
5HKF	Housekeeping Floorcare Eq
5HKG	Housekeeping
5HKH	Housekeeping Chemicals
5HKL	Housekeeping Linen
5HKM	Housekeeping Misc
5HKP	Housekeeping Print Mater
5HKR	Housekeeping Guestrooms
5HKS	Housekeeping Supplies
5HKT	Housekeep Cart Hamper Tru
5HR	Human Resource
5HRF	Human Resource Forms
5HRM	Human Resource Misc
5KIT	Kitchen
5KITS	Kitchen Supplies
5LNBQ	Linen F and B Banquets
5LNG	Lounge
5LOC	Local Purchase
5MOC	Kitchen Signs
5PKG	Gift Shop Packaging
5RMS	Room Service
5RS	Restaurant
5RSK	Restaurant Kitchen
5RSL	Restaurant Local
5RSM	Restaurant Miscellaneous
5RSO	Restaurant Lounge
5RSR	Restaurant Buffet
5SUA	Suites Amenities
5SUW	Suites Housewares
5TRB	Training Resource
5TRK	Training Housekeeping
FAIRFIELD	Fairfield Inn Prototypes
FULL SERV	Full Service Prototypes
HSKPCARFLO	Housekeeping-Carpet/Floor Care
HSKPEQUP	Housekeeping-Equipment

HSKPOASIS	Houskeeping-Oasis
HSKPSPEC	Housekeeping-Specialty
KBEVEQP	Beverage Equipment
KBEVSUP	Beverage Supplies
KBQTAV	Bqt - Convention Services/Av
KBQTBAR	Bqt - Bars
KBQTCHAIR	Bqt - Chairs/Accessories
KBQTCRT	Bqt - Carts-Storage/Transport
KBQTDFLR	Bqt - Dance Floor
KBQTMISC	Bqt - Miscellaneous
KBQTMRACC	Bqt - Meeting Room Tabletop Ac
KBQTPOD	Bqt - Podiums
KBQTSTG	Bqt - Staging
KBQTSVWR	Banquet Serviceware
KBQTTBL	Bqt - Tables/Accessories
KBQTTBLTP	Bqt - Tabletop
KBUFACTSTN	Buffetware - Action Station
KBUFALLOW	Buffetware - Allowances
KBUFAPPL	Buffetware - Small Appliances
KBUFBEVSVC	Buffetware - Beverage Service
KBUFODSPY	Buffetware - Food Display
KBUFSIGN	Buffetware - Signage
KBUFSVCH	Buffetware - Serveware - China
KBUFSVUT	Buffetware - Serving Utensils
KBUFSVWRE	Buffetware - Serveware
KCART	Carts - Misc
KCHGS	China, Glass, Silver, Hollowar
KCHINA	China
KCHINACART	China - Carts
KCHPLTCVR	China - Plate Covers
KCHRACK	China - Racks
KDISP	Disposables
KDISPAPER	Disposables - Paper
KDISPAPRL	Disposables - Apparel
KDISPBAG	Disposables - Bags
KDISPBEV	Disposables - Beverage
KDISPBEVRL	Disposables - Beverage Related
KDISPBXLCH	Disposables - Box Lunch
KDISPFILM	Disposables - Film/Foil
KEMPCAF	Associate Cafeteria
KFLAG	Flags
KFLATWARE	Flatware
KFUEL	Fuel
KGLSWR	Glassware
KGLSWRACK	Glassware - Racks
KHOLLOWR	Holloware
KKITEQ	Allowance - Specialty Kitchen
KKITEQCRT	Kitchen Equipment - Carts
KKITSU	Kitchen Supplies
KKITSUAPRL	Kitchen Supplies - Apparel
KKITSUBKSU	Kitchen Supplies - Baking Supp
KKITSUBKWR	Kitchen Supplies - Bakeware
KKITSUCWR	Kitchen Supplies - Cookware

KKITSUFDST	Kitchen Supplies - Food Storag
KKITSUKNV	Kitchen Supplies - Knives
KKITSUMISC	Kitchen Supplies - Miscellaneo
KKITSUPROC	Kitchen Supplies - Manual Food
KKITSUSCAL	Kitchen Supplies - Scales
KKITSUSMWR	Kitchen Supplies - Smallwares
KKITSUSTPN	Kitchen Supplies - Steamtblpan
KKITSUTHRM	Kitchen Supplies - Thermometer
KLINEN	Linen
KLINHMPR	Linen - Linen Hampers
KLINNAP	Linen - Napkins
KLINSKT	Linen - Skirting
KLINTBLC	Linen - Tablecloths
KLINTBLFRM	Linen - Tableforms
KMISC	Miscellaneous
KMISCFB	Misc. FandB Supplies
KRMSEQ	Room Service - Equipment
KRMSSUPP	Room Service - Supplies
KRSTBLTOP	Restaurant - Tabletop
KRSTLNG	Restaurant/Lounge
KRSTSUPP	Restaurant Supplies
KSAN	Sanitation/Maintenance
KSANBUSS	Sanitation/Maintenance-Bussing
KSANCLSP	Sanitation/Maintenance-Cleansp
KSANFLRMP	Sanitation/Maintenance-Floormp
KSANMISC	Sanitation/Maintenance - Misc.
KSANSAFTY	Sanitation/Maintenance-Safety
KSANVAC	Sanitation/Maintenance-Vacuums
KSANWREC	Sanitation/Maintenance-Wastere
KSANWWSU	Sanitation/Maintenance-Warewas
KSHELV	Shelving Allowance-FandB
KSTARBUCK	Starbucks
KUNIFORM	Uniforms
LAUNDEST	Laundry-Destainers
LAUNDET	Laundry-Detergents
LAUNNEUT	Laundry-Neutralizers
LAUNSOFT	Laundry-Softners
WAREDET	Kitchen Warewashing-Detergents
WAREDISHRI	Kitchen Warewash-Dish Rinse
WAREEQUIP	Kitchen Warewash-Equipment
WAREFLATPR	Ktch Warewash-Flatware Presoak
WAREFLRCAR	Ktch Warewash-Floorcare
WAREGLSW	Ktch Warewash-Glasswasher
WARELTDW	Ktch Warewash-Lo Temp Dishwash
WAREPOTPAN	Ktch Warewash-Pot/Pan Deter
WARESAFETY	Kitchen Warewash-Safety
WARESANT	Kitchen Warewash-Sanitizer
WARESOAP	Kitchen Warewash-Hand Soap
WARESPEC	Kitchen Warewash-Specialty

Public Space

Public Space

Public Space

Marriott Item ID	5SUCOR
Description	Operating Supplies - see Public Space
Vendor Name	INTERIOR DESIGN
Vendor Item ID	
Item UOM	EA
Marriott BOM Name	5SUCOR
Specification	Operating Supplies are included in the Public Space section of this book.

MANUFACTURER

Vendor Name: INTERIOR DESIGN
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	5SUGRMS
Description	Operating Supplies - see Public Space
Vendor Name	INTERIOR DESIGN
Vendor Item ID	
Item UOM	EA
Marriott BOM Name	5SUGRMS
Specification	Operating Supplies are included in the Public Space section of this book.

MANUFACTURER

Vendor Name: INTERIOR DESIGN
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	EN-2072
Description	ADA GUESTROOM KIT - INCLUDES:
Vendor Name	HITEC GROUP
Vendor Item ID	HT-SET3
Item UOM	EA
Marriott BOM Name	EN-2072
Specification	VISUAL SMOKE DETECTOR, DOOR KNOCK ALERT, TELEPHONE INLINE AMPLIFIER, DISPLAY TTY FOR GUESTROOM, TELEPHONE RING SIGNALER, CLOCK W/BED SHAKER MARRIOTT REQUIREMENTS FOR ALL BRANDS - MINIMUM NUMBER OF REQUIRED GUESTROOMS WITH COMMUNICATION FEATURES 2-25 ROOMS - MINIMUM REQUIREMENT - 2 EACH 26-50 ROOMS - MINIMUM REQUIREMENT - 4 EACH 51-75 ROOMS - MINIMUM REQUIREMENT - 7 EACH 76-100 ROOMS - MINIMUM REQUIREMENT - 9 EACH 101-150 ROOMS - MINIMUM REQUIREMENT - 12 EACH 151-200 ROOMS - MINIMUM REQUIREMENT - 14 EACH 201-300 ROOMS - MINIMUM REQUIREMENT - 17 EACH 301-400 ROOMS - MINIMUM REQUIREMENT - 20 EACH 401-500 ROOMS - MINIMUM REQUIREMENT - 22 EACH 501-1000 ROOMS - MINIMUM REQUIREMENT - 5% OF TOTAL ROOMS 1001 AND OVER - MINIMUM REQUIREMENT - 50 PLUS 3 FOR EACH 100 OVER 1000 https://mgscloud.marriott.com/NA/lodging-operations/rooms/ada-compliance/ada-system-setup.html

MANUFACTURER

Vendor Name: HITEC GROUP
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	EN-2072A
Description	PORTA PRINTER 2000D TTY FRONT DESK, (REQUIRED
Vendor Name	HITEC GROUP
Vendor Item ID	KR-PP2000D
Item UOM	EA
Marriott BOM Name	EN-2072A
Specification	WHEN PURCHASING ADA GUESTROOM KIT - HT SET3 EN-2072) THE PORTA-PRINTER FRONT DESK TDD/TTY WITH PRINTER PROVIDES DIRECT COMMUNICATION WITH YOUR DEAF OR HARD-OF-HEARING GUEST FROM THE CONVENIENCE OF THEIR GUESTROOM. THE BUILT-IN, HIGH-SPEED PRINTER ENABLES THE FRONT DESK TO ENSURE THEY HAVE CORRECT RESERVATION INFORMATION, ROOM SERVICE ORDER AND HOUSEKEEPING REQUESTS. ACCEPTS ROUND, SQUARE OR FLAT HANDSETS, HAS A USER-FRIENDLY, 44-KEY, PC-TYPE KEYBOARD. UNIT INCLUDES 1 ROLL INSTALLED PAPER ROLL. 1-YEAR WARRANTY. Made in the USA.

MANUFACTURER

Vendor Name: HITEC GROUP
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	EN-2076
Description	SHORT STATURE ACCESS KIT
Vendor Name	DIRECT ACCESS SOLUTIONS INC
Vendor Item ID	
Item UOM	EA
Marriott BOM Name	EN-2076
Specification	Includes the following ADA compliant items: ultra stable stepstool with 6-inch step heights, push-pull tool, security latch adapter, reach grabber, closet rod adapter. Usage Note: Property should check quantity required by local codes, quantity listed here is suggested minimum.

MANUFACTURER

Vendor Name: DIRECT ACCESS SOLUTIONS INC
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKH-00088HD
Description	IRONING BOARD-ADA HEART OF HOUSE HOUSEKEEPING
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	139179
Item UOM	CS
Marriott BOM Name	HKH-00088HD
Specification	ADA Compliant Ironing Board for handicap rooms & Guest request. 12-inches x 32-inches; pearlescent blue cover; homz; with iron rest; steel legs; metal mesh top. Sold in multiples of 6 Usage Note: Required Quantity: At discretion of operator Notes: Item is not required under the ADA, but may be of assistance to a person with a disability. Refer to regulations and/or your legal counsel for quantities needed per hotel HOME PRODUCTS INT'L, MFR ITEM # 4370803

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

TOWNEPLACE SUITES BY MARRIOTT

Towneplace Suites by Marriott
Public Space
New Build - All Generations
Operating Supplies and Equipment

ALLOWANCE

Revision 18

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	ADM-7387
Description	MICROWAVE FOR EMPLOYEE
Vendor Name	LOCAL PURCHASE ALLOWANCE
Vendor Item ID	
Item UOM	LT
Marriott BOM Name	ADM-7387
Specification	BREAK AREA; NOTE: SHOULD BE INCLUDED IN 4KE/FOOD SERVICE EQUIPMENT CONTRACT; VERIFY PRIOR TO ADDING QUANTITY.

MANUFACTURER

Vendor Name: LOCAL PURCHASE ALLOWANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	AL-0001
Description	SHELVING ALLOWANCE-LINEN ROOMS ($4,500)
Vendor Name	LOCAL PURCHASE ALLOWANCE
Vendor Item ID	
Item UOM	LT
Marriott BOM Name	AL-0001
Specification	

MANUFACTURER

Vendor Name: LOCAL PURCHASE ALLOWANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	AL-0001A
Description	SHELVING ALLOWANCE-LINEN ROOMS
Vendor Name	LOCAL PURCHASE ALLOWANCE
Vendor Item ID	
Item UOM	LT
Marriott BOM Name	AL-0001A
Specification	

MANUFACTURER

Vendor Name: LOCAL PURCHASE ALLOWANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	AL-0001B
Description	SHELVING ALLOWANCE-LINEN ROOMS ($6K)
Vendor Name	LOCAL PURCHASE ALLOWANCE
Vendor Item ID	
Item UOM	LT
Marriott BOM Name	AL-0001B
Specification	

MANUFACTURER

Vendor Name: LOCAL PURCHASE ALLOWANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	AL-0015
Description	ALLOWANCE-SHELF MNGT. SYSTEM
Vendor Name	LOCAL PURCHASE ALLOWANCE
Vendor Item ID	
Item UOM	LT
Marriott BOM Name	AL-0015
Specification	FOR THE MARKET (RAILS & DIVIDERS) WILL NEED TO CALL FOR PRICING ORDER DIRECTLY THROUGH TRION INDUSTRIES 800-444-4665 x 308 OR 343

MANUFACTURER

Vendor Name: LOCAL PURCHASE ALLOWANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	AL-0031
Description	ALLOWANCE @ FOR THE CITRUS WORLD JUICE DISPENSER
Vendor Name	LOCAL PURCHASE ALLOWANCE
Vendor Item ID	
Item UOM	LOT
Marriott BOM Name	AL-0031
Specification	TWO VALVE; TO ORDER CALL BILL WATSON JR. AT 1-800-835-0506 EXT. 3757 OR EMAIL: BILLY.WATSON@CITRUSWORLD.COM **OPTIONAL** NOTE: THIS IS A NO COST ITEM PROVIDED BY THE VENDOR WHEN THE HOTEL PURCHASES JUICE.

MANUFACTURER

Vendor Name: LOCAL PURCHASE ALLOWANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

TOWNEPLACE SUITES BY MARRIOTT

Towneplace Suites by Marriott
Public Space
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Operating Supplies and Equipment

ALLOWANCE

Revision 18

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Issue Date: May 30, 2023
Revision Date:

Marriott Item ID	AL-0123
Description	ALLOWANCE-OPTIONAL CUPS, LIDS, SLEEVES, COMPOSTABLE
Vendor Name	LOCAL PURCHASE ALLOWANCE
Vendor Item ID	
Item UOM	LT
Marriott BOM Name	AL-0123
Specification	DISPOSABLES INCLUDE: COFFEE CUPS 10 OZ. #W370RC-J8484 & 12 OZ.-#412PLN-J7234, LIDS FOR BOTH SIZE CUPS - 10 OZ. #TL31B2-004 & 12 OZ. #TLB316-004; JAVA JACKET (CUP SLEEVES) FOR BOTH SIZES - #1110LPN-S TO BE ORDERED THROUGH LOCAL REP. CONTACT CHERYL CALLOWAY AT CCALLOWAY@ROYALCUPCOFFEE.COM OR 205-271-6065. NOTE: THIS IS AN OPTIONAL ITEM

MANUFACTURER

Vendor Name: LOCAL PURCHASE ALLOWANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	AL-1008T
Description	SYSTEMS ALLOW-100 RMS OR LESS
Vendor Name	ALLOWANCE ROOMS
Vendor Item ID	
Item UOM	LT
Marriott BOM Name	AL-1008T
Specification	CONTACT JIM PORTER AT 301-380-6673 REGARDING SYSTEMS BUDGET

MANUFACTURER

Vendor Name: ALLOWANCE ROOMS
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	AL-1008T-1
Description	SYSTEMS ALLOW-100 TO 150 RMS
Vendor Name	ALLOWANCE ROOMS
Vendor Item ID	
Item UOM	LT
Marriott BOM Name	AL-1008T-1
Specification	CONTACT JIM PORTER AT 301-380-6673 REGARDING SYSTEMS BUDGET

MANUFACTURER

Vendor Name: ALLOWANCE ROOMS
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKC-1245T
Description	LINEN ALLOW-TP BRAND STANDARD
Vendor Name	ALLOWANCE ROOMS
Vendor Item ID	
Item UOM	LT
Marriott BOM Name	HKC-1245T
Specification	BED MIX MUST BE PROVIDED IN ORDER TO CALCULATE

MANUFACTURER

Vendor Name: ALLOWANCE ROOMS
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKC-1245T-1
Description	LINEN ALLOW-TP BRAND STANDARD
Vendor Name	ALLOWANCE ROOMS
Vendor Item ID	
Item UOM	LT
Marriott BOM Name	HKC-1245T-1
Specification	BED MIX MUST BE PROVIDED IN ORDER TO CALCULATE

MANUFACTURER

Vendor Name: ALLOWANCE ROOMS
Contact Name:
Phone:
Email:

AREAS

Public Space

TOWNEPLACE SUITES BY MARRIOTT

Towneplace Suites by Marriott
Public Space
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Operating Supplies and Equipment

ALLOWANCE

Revision 18

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKC-1245T-2
Description	LINEN ALLOW-TP BRAND STANDARD
Vendor Name	ALLOWANCE ROOMS
Vendor Item ID	
Item UOM	LT
Marriott BOM Name	HKC-1245T-2
Specification	BED MIX MUST BE PROVIDED IN ORDER TO CALCULATE QUANTITIES

MANUFACTURER

Vendor Name: ALLOWANCE ROOMS
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	TBK-0038
Description	ALLOWANCE-COLD CUP, CLEAR PLASTIC, 9 OZ
Vendor Name	LOCAL MASTER DISTRIBUTOR ALLOWANCE
Vendor Item ID	CC9K
Item UOM	CS
Marriott BOM Name	TBK-0038
Specification	MFG. DIXIE FOODSERVICE - #CC9K FOR JUICE

MANUFACTURER

Vendor Name: LOCAL MASTER DISTRIBUTOR ALLOWANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	UNF-5000T-2
Description	UNIFORM ALLOWANCE (5K)
Vendor Name	LOCAL PURCHASE ALLOWANCE
Vendor Item ID	
Item UOM	LT
Marriott BOM Name	UNF-5000T-2
Specification	ORDER THROUGH CINTAS CORP.: CONTACT: JENNIFER KOEPPEN PH: 301-380-7563 FAX: 866-523-2119 EM: koeppenj@cintas.com

MANUFACTURER

Vendor Name: LOCAL PURCHASE ALLOWANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	WI-AL-1000M
Description	ALLOWANCE - ECOLAB HOUSEKEEPING CHEMICALS
Vendor Name	LOCAL PURCHASE ALLOWANCE
Vendor Item ID	
Item UOM	LOT
Marriott BOM Name	WI-AL-1000M
Specification	

MANUFACTURER

Vendor Name: LOCAL PURCHASE ALLOWANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	FO-0009
Description	BIBS, DISPOSABLE, CHILDREN'S, TRI-PLY
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6008022SP
Item UOM	PK
Marriott BOM Name	FO-0009
Specification	PRINTED; 3 PROTECTIVE LAYERS: QUILTED, ABSORBENT, LEAKPROOF; BY MUNCHKIN; FOR TOTS TRAVEL TOO PROGRAM; NOTE: FOR AMERICAS-EAST, WEST, SOUTH AND CANADIAN PROPERTIES ONLY.

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HK-0022
Description	SHAMPOO, -+-BABY, 1.7 OZ., JOHNSON
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	207514
Item UOM	CS
Marriott BOM Name	HK-0022
Specification	FOR "TOTS TRAVEL TOO" PROGRAM; NOTE: FOR AMERICAS-EAST, WEST, SOUTH AND CANADIAN PROPERTIES ONLY.

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HK-0023
Description	LOTION, -+-BABY, 1.7 OZ., JOHNSON
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	207511
Item UOM	CS
Marriott BOM Name	HK-0023
Specification	FOR "TOTS TRAVEL TOO" PROGRAM; NOTE: FOR AMERICAS-EAST, WEST, SOUTH AND CANADIAN PROPERTIES ONLY.

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	HK-0024HD
Description	NIGHT LIGHT, FOR "TOTS TRAVEL TOO" PROGRAM
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	328044
Item UOM	PK
Marriott BOM Name	HK-0024HD
Specification	2.25" X 3.25" X 1", 1 WATT, PLUG-IN, INCANDESCENT,100,000-HOUR AUTOMATIC SENSOR, (ON AT DARK - OFF AT DUSK); NOTE: FOR AMERICAS-EAST, WEST, SOUTH AND CANADIAN PROPERTIES ONLY. FEIT ELECTRIC COMPANY, MFR ITEM # NL1/LED

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HK-0025HD
Description	OUTLET PLUG PROTECTORS, FOR "TOTS
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	126679
Item UOM	PK
Marriott BOM Name	HK-0025HD
Specification	TRAVEL TOO" PROGRAM; TEE-ZED PRODUCTS, LLC, MFR ITEM # L1821 NOTE: FOR AMERICAS-EAST, WEST, SOUTH AND CANADIAN PROPERTIES ONLY.

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKL-6700HD
Description	CRIB BLANKET-36" X 50"-WHITE
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	760814
Item UOM	CS
Marriott BOM Name	HKL-6700HD
Specification	WITH WHITE SATIN BANDING; 50% POLYESTER/50% COTTON; BRUSHED COTTON RIEGEL LINEN LLC, MFR ITEM # BLK-36X50-WHT

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKM-4306HD
Description	SLIPCOVER FOR PLAY YARD CRIB
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	183998
Item UOM	PK
Marriott BOM Name	HKM-4306HD
Specification	REQUIRED FOR TOTS TRAVEL TOO PROGRAM; MARRIOTT CUSTOM DESIGN SLIPCOVERS; BOBBY COVERPLAY PLAY YARD; LAMB DESIGN NOTE: FOR AMERICAS-EAST, WEST, SOUTH AND CANADIAN PROPERTIES ONLY.

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKM-4307HD
Description	CRIB SHEETS, FITTED, FOR PLAY YARD CRIB,
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	183999
Item UOM	PK
Marriott BOM Name	HKM-4307HD
Specification	REQUIRED FOR TOTS TRAVEL TOO PROGRAM; MARRIOTT CUSTOM DESIGN PLAY YARD SHEETS; 100% COTTON JERSEY KNIT; COVERPLAY BOBBY PLAY YARD LAMB DESIGN

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	HKM-4309HD
Description	PLAY YARD, PORTABLE, COVERPLAY
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	136580
Item UOM	EA
Marriott BOM Name	HKM-4309HD
Specification	GRAY COLOR; INCLUDES 1.5" THICK MATTRESS PAD AND CARRY BAG; 25 LBS. OLIVER & TATE ENTERPRISES, INC, MFR ITEM # 516PLAY-A

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	HK-7393
Description	SHELVING, WIRE, @ SUPER ERECTA
Vendor Name	INTERMETRO INDUSTRIES CORP
Vendor Item ID	1860NC
Item UOM	EA
Marriott BOM Name	HK-7393
Specification	74"H X 60"W X 18"D SHELF ONLY NOTE: MUST ORDER POSTS SEPARATELY USE ITEM HK-7393P (#74P) INDUSTRIAL 600 LB CAPACITY; MFG. METRO

MANUFACTURER

Vendor Name: INTERMETRO INDUSTRIES CORP
Contact Name: Customer Service
Phone: 1-800-992-1776
Email: cssupport@metro.com

AREAS

Public Space

Marriott Item ID	HK-7393P
Description	POSTS FOR SHELVING, WIRE, @ SUPER ERECTA
Vendor Name	INTERMETRO INDUSTRIES CORP
Vendor Item ID	74P
Item UOM	EA
Marriott BOM Name	HK-7393P
Specification	74"H POSTS ONLY NOTE: MUST ORDER SHELVING SEPARATELY USE ITEM HK-7393 (#1860NC) INDUSTRIAL 600 LB CAPACITY; MFG. METRO

MANUFACTURER

Vendor Name: INTERMETRO INDUSTRIES CORP
Contact Name: Customer Service
Phone: 1-800-992-1776
Email: cssupport@metro.com

AREAS

Public Space

Marriott Item ID	HKL-0011HD
Description	PILLOW, ECOSMART, QUEEN 20"X30"
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	144573
Item UOM	CS
Marriott BOM Name	HKL-0011HD
Specification	HOLLANDER CLEARFRESH 100% COTTON HYPOALLERGENIC COVER; 100% RECYCLED POLYESTER FILL 25 OZ. HOLLANDER SLEEP PRODUCTS, MFR ITEM # 90685

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKL-0012HD
Description	PILLOW-QUEEN SIZE-DOWN SURROUND-NATURAL
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	144656
Item UOM	CS
Marriott BOM Name	HKL-0012HD
Specification	20"X30" ORDER IN MULTIPLES OF 10 HOLLANDER SLEEP PRODUCTS, MFR ITEM # 23837

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKL-0013HD
Description	PILLOW PROTECTOR-QUEEN SIZE
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	144659
Item UOM	CS
Marriott BOM Name	HKL-0013HD
Specification	ORDER IN MULTIPLES OF 12 HOLLANDER SLEEP PRODUCTS, MFR ITEM # 94692

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKL-0015
Description	PILLOWCASE-20.5X30-QUEEN SIZE-T200 DESIGNER CLOSURE
Vendor Name	STANDARD TEXTILE
Vendor Item ID	02012500
Item UOM	DZ
Marriott BOM Name	HKL-0015
Specification	RING SPUN SINGLE PICK, WHITE, ROOM READY LAUNDERED WITH TIDE

MANUFACTURER

Vendor Name: STANDARD TEXTILE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKL-0054HD
Description	MATTRESS PAD, QUEEN SMOOTH GRIP SKIRT FITTED 60 X 80, 4OZ
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	144569
Item UOM	CS
Marriott BOM Name	HKL-0054HD
Specification	DELUXE PINSONIC QUILTED, 100% POLYESTER; 4 OZ. POLYESTER FIBER FILL; 13" SMOOTH GRIP SKIRT HOLLANDER SLEEP PRODUCTS, MFR ITEM # 58275 OPTIONAL UPGRADE FOR FF, SHS, TPS, CY

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	HKL-0055HD
Description	MATTRESS PAD, DELUXE, KING, ECOSMART, FITTED, 76 X 80, WHITE
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	139041
Item UOM	CS
Marriott BOM Name	HKL-0055HD
Specification	HOLLANDER PINSONIC QUILTED, 13" SMOOTH GRIP SKIRT; 55/45 COTTON POLY TOP, 100% POLY BOTTOM, 100% POLYESTER FIBER FILL, 4 OZ. HOLLANDER SLEEP PRODUCTS, MFR ITEM # 50847 OPTIONAL UPGRADE FOR FF, SHS, TPS, CY

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	HKL-0056HD
Description	MATTRESS PAD, H KING, FITTED, 72 X 80, WHITE, 4OZ
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	144568
Item UOM	CS
Marriott BOM Name	HKL-0056HD
Specification	HOLLANDER DELUXE PINSONIC QUILTED, 13" SMOOTH GRIP SKIRT 55/45 COTTON POLY TOP, 100% POLY BOTTOM, 100% POLYESTER FIBER FILL, 4 OZ. HOLLANDER SLEEP PRODUCTS, MFR ITEM # 58278 OPTIONAL UPGRADE FOR CY, FF, SHS, TPS

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKL-0057HD
Description	MATTRESS PAD FULLXL ECOSMART FITTED 53" X 80" WHITE, 4OZ
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	144574
Item UOM	CS
Marriott BOM Name	HKL-0057HD
Specification	HOLLANDER DELUXE PINSONIC QUILTED, 100% POLYESTER, 4 OZ. POLYESTER FIBER FILL; 13" SMOOTH GRIP SKIRT HOLLANDER SLEEP PRODUCTS, MFR ITEM # 58274

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKL-1515FW
Description	DECORATIVE BEDCOVER FULL COBBLESTONE 90"W X 94"L
Vendor Name	STANDARD TEXTILE
Vendor Item ID	30623600
Item UOM	DZ
Marriott BOM Name	HKL-1515FW
Specification	COLOR: WHITE; MATERIAL: 65/35 POLY/COTTON BLEND.2" HEMS. WASH ACTIVATED PATTERNING.

MANUFACTURER

Vendor Name: STANDARD TEXTILE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKL-1515KW
Description	DECORATIVE BEDCOVER KING COBBLESTONE 112" W X 94" L
Vendor Name	STANDARD TEXTILE
Vendor Item ID	30624000
Item UOM	DZ
Marriott BOM Name	HKL-1515KW
Specification	COLOR: BLEACHED (WHITE); MATERIAL: 65/35 POLY/COTTON BLEND. 2" HEMS; WASH ACTIVATED PATTERNING

MANUFACTURER

Vendor Name: STANDARD TEXTILE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKL-1515QW
Description	DECORATIVE BEDCOVER QUEEN COBBLESTONE 98" W X 94" L
Vendor Name	STANDARD TEXTILE
Vendor Item ID	30623800
Item UOM	DZ
Marriott BOM Name	HKL-1515QW
Specification	COLOR: BLEACHED (WHITE); MATERIAL: 65/35 POLY/COTTON BLEND. 2" HEMS, WASH ACTIVATED PATTERNING

MANUFACTURER

Vendor Name: STANDARD TEXTILE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKL-7200ADHD
Description	MATTRESS TOPPER, FULL XL, 54X80, 20OZ
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	144564
Item UOM	CS
Marriott BOM Name	HKL-7200ADHD
Specification	COURTYARD, FAIRFIELD INN & SUITES, SPRINGHILL, TOWNEPLACE SUITES AND AC - REQUIRED FOR RESIDENCE INN HOLLANDER LUXURY CLOUD, 200 TC, 100 PERCENT COTTON TOP, 20 OZ. BONDED SILICONIZED FILL, TREATED WITH BIOSHIELD WATER BASED NON TOXIC PERMANENT ANTIMICROBIAL TREATMENT, LOCK STITCH NEEDLE QUILTING, 16 INCH EXPAND-A-GRIP SKIRT; OPTIONAL UPGRADE FOR CFRST & AC; HOLLANDER SLEEP PRODUCTS, MFR ITEM # 20179 OPTIONAL UPGRADE FOR CY, FF, SHS, TPS

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	HKL-7200AHKHD
Description	MATTRESS TOPPER HOTEL KING 72 X 80, 20OZ
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	144566
Item UOM	CS
Marriott BOM Name	HKL-7200AHKHD
Specification	COURTYARD, FAIRFIELD INN & SUITES, SPRINGHILL, TOWNEPLACE SUITES AND AC - REQUIRED FOR RESIDENCE INN HOLLNDER MATTRESS TOPPER 200 TC, COTTON TOP, 20 OZ. SILICONE POLYESTER FILL; TREATED WITH BIOSHIELD WATER BASED, NON-TOXIC, PERMANENT ANTIMICROBIAL TREATMENT; LOCK STITCH NEEDLE QUILTING; 16 INCH EXPAND-A-GRIP SKIRT; OPTIONAL UPGRADE FOR CFRST & AC HOLLANDER SLEEP PRODUCTS, MFR ITEM # 50180 OPTIONAL UPGRADE FOR CY, FF, SHS, TPS

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	HKL-7200AQHD
Description	MATTRESS TOPPER-QUEEN-60 X 80, 20OZ
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	144567
Item UOM	CS
Marriott BOM Name	HKL-7200AQHD
Specification	COURTYARD, FAIRFIELD INN & SUITES, SPRINGHILL, TOWNEPLACE SUITES AND AC - REQUIRED FOR RESIDENCE INN HOLLANDER LUXURY CLOUD 200 TC, 100% COTTON TOP 20 OZ. SILICONE POLYESTER FILL, TREATED WITH WATER BASED, NON-TOXIC PERMANENT ANTIMICROBIAL TREATMENT, LOCK STITCH NEEDLE QUILTING, 16" POLYESTER EXPAND-A-GRIP SKIRT; OPTIONAL UPGRADE FOR CFRST & AC HOLLANDER SLEEP PRODUCTS, MFR ITEM # 50681 OPTIONAL UPGRADE FOR CY, FF, SHS, TPS

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	HKL-8000DHD
Description	BLANKET-VESTA CLASSIC-FULL
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	144712
Item UOM	CS
Marriott BOM Name	HKL-8000DHD
Specification	NO TUCK, 76 X 92 50/50 POLYESTER/COTTON T180 PRINTED STRIPE 3.8 OZ/SQ YD , ANTI-MICROBIAL INVISTA FILL, SEWN THROUGH BOX STITCH PATTERN, WHITE, HOLLANDER SLEEP PRODUCTS, MFR ITEM # 64529

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKL-8001QHD
Description	BLANKET-VESTA CLASSIC-QUEEN
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	144711
Item UOM	CS
Marriott BOM Name	HKL-8001QHD
Specification	NO TUCK, 82 X 92"; 50/50 POLYESTER/COTTON T180 PRINTED STRIPE 3.8 OZ/SQ YD ANTI-MICROBIAL INVISTA FILL, SEWN THROUGH BOX STITCH PATTERN, WHITE, HOLLANDER SLEEP PRODUCTS, MFR ITEM # 64530

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	HKL-8002KHD
Description	BLANKET-VESTA CLASSIC-KING
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	144660
Item UOM	CS
Marriott BOM Name	HKL-8002KHD
Specification	NO TUCK, 94 X 92 50/50 POLYESTER/COTTON T180 PRINTED STRIPE 3.8 OZ/SQ YD; ANTI-MICROBIAL INVISTA FILL, SEWN THROUGH BOX STITCH PATTERN, WHITE HOLLANDER SLEEP PRODUCTS, MFR ITEM # 64531

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

TOWNEPLACE SUITES BY MARRIOTT

Towneplace Suites by Marriott
Public Space
New Build - All Generations
Operating Supplies and Equipment

BEDDING

Revision 18

and Renovation OS&E

Issue Date: May 30, 2023
Revision Date:

Marriott Item ID	HKL-8012
Description	SHEET-FLAT-TOP-T200-FULL SIZE-77" X 108", WHITE
Vendor Name	STANDARD TEXTILE
Vendor Item ID	02014M00
Item UOM	DZ
Marriott BOM Name	HKL-8012
Specification	2" X 2" HEM, 60/40 COTTON POLYESTER MERCERIZED RINGSPUN YARNS; WHITE W/WHITE HEM THREAD COLOR; ROOM READY PRE-LAUNDERED WITH TIDE; ALOFT USAGE NOTE: 2ND AND 3RD FLAT SHEET. 2 PER BED; DUVET INSERT PLACED BETWEEN 2ND AND 3RD SHEET. FOR NEW ELEMENT BEDDING

MANUFACTURER

Vendor Name: STANDARD TEXTILE
Contact Name:
Phone:
Email:

AREAS

Public Space

TOWNEPLACE SUITES BY MARRIOTT

Towneplace Suites by Marriott
Public Space
New Build - All Generations
Operating Supplies and Equipment

BEDDING

Revision 18

and Renovation OS&E

Issue Date: May 30, 2023
Revision Date:

Marriott Item ID	HKL-8014
Description	SHEET-FLAT-TOP-T200-QUEEN SIZE, 85" X 108", WHITE
Vendor Name	STANDARD TEXTILE
Vendor Item ID	02012M00
Item UOM	DZ
Marriott BOM Name	HKL-8014
Specification	2" X 2" HEM, 60/40 COTTON/POLY BLEND, MERCERIZED,RINGSPUN YARNS, WHITE W/MINT GREEN HEM THREAD COLOR, ROOM READY PRE-LAUNDERED WITH TIDE ALOFT USAGE NOTE: 2ND AND 3RD FLAT SHEET. 2 PER BED; DUVET INSERT PLACED BETWEEN 2ND AND 3RD SHEET. FOR NEW ELEMENT BEDDING

MANUFACTURER

Vendor Name: STANDARD TEXTILE
Contact Name:
Phone:
Email:

AREAS

Public Space

TOWNEPLACE SUITES BY MARRIOTT

Towneplace Suites by Marriott
Public Space
New Build - All Generations
Operating Supplies and Equipment

BEDDING

Revision 18

and Renovation OS&E

Issue Date: May 30, 2023
Revision Date:

Marriott Item ID	HKL-8016
Description	SHEET-FLAT-TOP-T200-KING SIZE, 96" X 108", WHITE
Vendor Name	STANDARD TEXTILE
Vendor Item ID	02010M00
Item UOM	DZ
Marriott BOM Name	HKL-8016
Specification	2" X 2" HEM, 60/40 COTTON/POLY BLEND, MERCERIZED RINGSPUN YARNS, WHITE W/ GOLD HEM THREAD COLOR, PRE-LAUNDERED WITH TIDE ALOFT USAGE NOTE: 2ND AND 3RD FLAT SHEET. 2 PER BED; DUVET INSERT PLACED BETWEEN 2ND AND 3RD SHEET. FOR NEW ELEMENT BEDDING

MANUFACTURER

Vendor Name: STANDARD TEXTILE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKL-8018A
Description	SHEET-FITTED-T200-FULLXL-12 INCH POCKET DEPTH, 54" X 80"
Vendor Name	STANDARD TEXTILE
Vendor Item ID	0202M500
Item UOM	DZ
Marriott BOM Name	HKL-8018A
Specification	60/40 COTTON/POLYESTER, MERCERIZED RINGSPUN YARN, WHITE W/ WHITE HEM THREAD COLOR, ROOM READY PRE-LAUNDERED W/TIDE.

MANUFACTURER

Vendor Name: STANDARD TEXTILE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKL-8018B
Description	SHEET-FITTED-T200-FULLXL-15" POCKET DEPTH-54"X80"
Vendor Name	STANDARD TEXTILE
Vendor Item ID	02018700
Item UOM	DZ
Marriott BOM Name	HKL-8018B
Specification	MERCERIZED 60/40 COTTON POLYESTER RINGSPUN YARNS, WHITE W/WHITE HEM THREAD COLOR ROOM READY PRE-LAUNDERED WITH TIDE.

MANUFACTURER

Vendor Name: STANDARD TEXTILE
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	HKL-8019A
Description	SHEET-FITTED-T200-QUEEN SIZE, 12" POCKET DEPTH, 60" X 80"
Vendor Name	STANDARD TEXTILE
Vendor Item ID	0202M400
Item UOM	DZ
Marriott BOM Name	HKL-8019A
Specification	60/40 COTTON/POLY BLEND, MERCERIZED RINGSPUN YARNS, WHITE W/MINT GREEN HEM THREAD COLOR, PRE-LAUNDERED WITH TIDE,

MANUFACTURER

Vendor Name: STANDARD TEXTILE
Contact Name:
Phone:
Email:

AREAS

Public Space

TOWNEPLACE SUITES BY MARRIOTT

Towneplace Suites by Marriott
Public Space
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Operating Supplies and Equipment

BEDDING

Revision 18

and Renovation OS&E

Issue Date: May 30, 2023
Revision Date:

Marriott Item ID	HKL-8019B
Description	SHEET-FITTED-T200-QUEEN SIZE -15" POCKET DEPTH-60"X80"
Vendor Name	STANDARD TEXTILE
Vendor Item ID	02018600
Item UOM	DZ
Marriott BOM Name	HKL-8019B
Specification	60/40 COTTON/POLYESTER BLEND RINGSPUN MERCERIZED YARNS; WHITE W/MINT GREEN HEM THREAD COLOR

MANUFACTURER

Vendor Name: STANDARD TEXTILE
Contact Name:
Phone:
Email:

AREAS

Public Space

TOWNEPLACE SUITES BY MARRIOTT

Towneplace Suites by Marriott
Public Space
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Operating Supplies and Equipment

BEDDING

Revision 18

and Renovation OS&E

Issue Date: May 30, 2023
Revision Date:

Marriott Item ID	HKL-8020A
Description	SHEET-FITTED-T200-HOTEL KING-12" POCKET DEPTH, 72" X 80",
Vendor Name	STANDARD TEXTILE
Vendor Item ID	0202M300
Item UOM	DZ
Marriott BOM Name	HKL-8020A
Specification	60/40 COTTON/POLY BLEND, MERCERIZED RINGSPUN YARNS, WHITE W/ GOLD HEM THREAD COLOR, ROOM READY PRE-LAUNDERED WITH TIDE,

MANUFACTURER

Vendor Name: STANDARD TEXTILE
Contact Name:
Phone:
Email:

AREAS

Public Space

TOWNEPLACE SUITES BY MARRIOTT

Towneplace Suites by Marriott
Public Space
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Operating Supplies and Equipment

BEDDING

Revision 18

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKL-8020B
Description	SHEET-FITTED-T200-HOTEL KING-15" POCKET DEPTH, 72" X 80";
Vendor Name	STANDARD TEXTILE
Vendor Item ID	02018400
Item UOM	DZ
Marriott BOM Name	HKL-8020B
Specification	60/40 COTTON POLYESTER BLEND; MERCERIZED RINGSPUN YARNS, WHITE W/GOLD HEM THREAD COLOR

MANUFACTURER

Vendor Name: STANDARD TEXTILE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKL-8020C
Description	SHEET-FITTED-T200-HOTEL KING-15" POCKET DEPTH, 78" X 80"
Vendor Name	STANDARD TEXTILE
Vendor Item ID	02018100
Item UOM	DZ
Marriott BOM Name	HKL-8020C
Specification	60/40 COTTON POLYESTER BLEND; MERCERIZED RINGSPUN YARNS, WHITE W/GOLD HEM THREAD COLOR

MANUFACTURER

Vendor Name: STANDARD TEXTILE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKL-9708
Description	MATTRESS PROTECTOR, KING, ALLEREASE PLAT PRO, 78X80X9-12
Vendor Name	STANDARD TEXTILE
Vendor Item ID	57300300
Item UOM	EA
Marriott BOM Name	HKL-9708
Specification	FULL MATTRESS ENCASEMENT

MANUFACTURER

Vendor Name: STANDARD TEXTILE
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	HKL-9709
Description	MATTRESS PROTECTOR, QUEEN, ALLEREASE PLAT PRO, 60X80X9-12
Vendor Name	STANDARD TEXTILE
Vendor Item ID	57300200
Item UOM	EA
Marriott BOM Name	HKL-9709
Specification	

MANUFACTURER

Vendor Name: STANDARD TEXTILE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKL-9731
Description	MATTRESS PROTECTOR, H-KING, ALLEREASE PLAT PRO, 72X80X9-12
Vendor Name	STANDARD TEXTILE
Vendor Item ID	57302800
Item UOM	EA
Marriott BOM Name	HKL-9731
Specification	

MANUFACTURER

Vendor Name: STANDARD TEXTILE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKL-9732
Description	MATTRESS PROTECTOR, FULL, ALLEREASE PLAT PRO, 54X80X9-12
Vendor Name	STANDARD TEXTILE
Vendor Item ID	57300100
Item UOM	EA
Marriott BOM Name	HKL-9732
Specification	FULL MATTRESS ENCASEMENT

MANUFACTURER

Vendor Name: STANDARD TEXTILE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKL-9734
Description	MATTRESS PROTECTOR, TWIN, ALLEREASE PLAT PRO, 39X80X9-12
Vendor Name	STANDARD TEXTILE
Vendor Item ID	57303700
Item UOM	EA
Marriott BOM Name	HKL-9734
Specification	

MANUFACTURER

Vendor Name: STANDARD TEXTILE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	WI-HKL-1246AHD
Description	STORAGE BAG FOR BLANKET & PILLOW QUEEN/KING, 32" X 10" X 16"
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	758553
Item UOM	CS
Marriott BOM Name	WI-HKL-1246AHD
Specification	TRANSLUCENT VINYL WITH GOLD ZIPPER CLOSURE, REGISTRY AMERICAN HOTEL REGISTER CO., MFR ITEM # 55UBLJ-PBS-32

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	EHA-4009
Description	C-CLAMP LOCKING VISE GRIPS-6 IN. #3A516
Vendor Name	GRAINGER
Vendor Item ID	3A516
Item UOM	EA
Marriott BOM Name	EHA-4009
Specification	

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	EHA-4010
Description	VISE GRIPS #1A421
Vendor Name	GRAINGER
Vendor Item ID	1A421
Item UOM	EA
Marriott BOM Name	EHA-4010
Specification	

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

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Marriott Item ID	EHA-4040
Description	ANALOG CLAMP METER,#4FFJ7 MAX 300 AC AMPS MAX 600 AC VOLTS
Vendor Name	GRAINGER
Vendor Item ID	4FFJ7
Item UOM	EA
Marriott BOM Name	EHA-4040
Specification	MAX 1000 OHM CAPACITY; INCLUDES TEST LEADS, AAA BATTERY (INSTALLED FOR RESISTANCE MEASUREMENT ONLY), USER MANUAL, CARRYING CASE; MEASURES VOLTAGE & CURRENT WITHOUT BATTERIES, WORKS BELOW 32 DEGREES F

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	EHA-5003
Description	CHISEL- 6 PC. SET, STEEL #5ME53
Vendor Name	GRAINGER
Vendor Item ID	5ME53
Item UOM	EA
Marriott BOM Name	EHA-5003
Specification	

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	EHA-5017
Description	LEVEL-TORPEDO 9" #56HN58
Vendor Name	GRAINGER
Vendor Item ID	56HN58
Item UOM	EA
Marriott BOM Name	EHA-5017
Specification	MFR: JOHNSON LEVEL

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	EHA-5018
Description	BOX LEVEL- ALUMINUM 24 IN. TOP READ #48FX48 ORANGE COLOR
Vendor Name	GRAINGER
Vendor Item ID	48FX48
Item UOM	EA
Marriott BOM Name	EHA-5018
Specification	MFG. JOHNSON #1737-2400

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	EHA-5027
Description	JIGSAW TOOL KIT CORDLESS #24T868 DEWALT
Vendor Name	GRAINGER
Vendor Item ID	24T868
Item UOM	EA
Marriott BOM Name	EHA-5027
Specification	20 V. BATTERY INCLUDED BLADE TYPE T-SHANK

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	EHA-5310
Description	NUT DRIVER SET #4A843
Vendor Name	GRAINGER
Vendor Item ID	4A843
Item UOM	ST
Marriott BOM Name	EHA-5310
Specification	INCLUDES 1/4" AND 5/16" DRIVERS

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	EMI-0100
Description	FLASHLIGHTS-LARGE #2V929
Vendor Name	GRAINGER
Vendor Item ID	2V929
Item UOM	EA
Marriott BOM Name	EMI-0100
Specification	

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	EMI-4035A
Description	LADDER, #3W140, MAX EXTENSION 25 FT.
Vendor Name	GRAINGER
Vendor Item ID	3W140
Item UOM	EA
Marriott BOM Name	EMI-4035A
Specification	ELECTRICIANS, 28 FT O/A LENGTH, 19"W RAILS, 500 LB LOAD CAPACITY

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	EMI-5016
Description	COMBINATION SQUARE #6X996
Vendor Name	GRAINGER
Vendor Item ID	6X996
Item UOM	EA
Marriott BOM Name	EMI-5016
Specification	12 X 1; W/ZINC HEAD, LEVEL VIAL & SCRIBER

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

TOWNEPLACE SUITES BY MARRIOTT

Towneplace Suites by Marriott
Public Space
New Build - All Generations
Operating Supplies and Equipment

ENGINEERING

Revision 18

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	EMI-5135
Description	VACUUM, 17 GALLON, WET/DRY W/ ATTACHMENTS #532187
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	532187
Item UOM	EA
Marriott BOM Name	EMI-5135
Specification	1-1/2" VACUUM HOSE DIA.

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	EMI-5188
Description	TAPE MEASURE-100 FT, 3/8" W, STEEL, YELLOW, #368154
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	368154
Item UOM	EA
Marriott BOM Name	EMI-5188
Specification	

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	EMI-5596
Description	TOOLS-LEAF RAKE, 24" W , #111942
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	111942
Item UOM	EA
Marriott BOM Name	EMI-5596
Specification	WOODEN HANDLE IS 48 INCHES LONG WIDTH OF PLASTIC HEAD IS 30"W, 30 TINES

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	EN-4395
Description	CHEMICAL STORAGE CABINET
Vendor Name	LOCAL PURCHASE ALLOWANCE
Vendor Item ID	
Item UOM	EA
Marriott BOM Name	EN-4395
Specification	

MANUFACTURER

Vendor Name: LOCAL PURCHASE ALLOWANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	EN-4397
Description	GRILL-GAS, BBQ, W/ COVER
Vendor Name	LOCAL PURCHASE ALLOWANCE
Vendor Item ID	WEBER S700
Item UOM	LT
Marriott BOM Name	EN-4397
Specification	

MANUFACTURER

Vendor Name: LOCAL PURCHASE ALLOWANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	EN-5174B
Description	TOOLS-SOCKET WRENCH SET 21 PC, 3/8 DRIVE, #183874
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	183874
Item UOM	SET
Marriott BOM Name	EN-5174B
Specification	SOCKET SET, SOCKET SIZE RANGE 5/16 IN. TO 3/4 IN., HAND, DRIVE SIZE 3/8 IN., SAE

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	EN-5420
Description	TOOL CART, MOBILE SHOP, 26 X 38 X 43, 5 DRAWERS, PADLOCKABLE
Vendor Name	GRAINGER
Vendor Item ID	53PC93
Item UOM	EA
Marriott BOM Name	EN-5420
Specification	MFR. MODEL NO. #MS-H30 COMPLETE MOBILE SHOP FOR ENGINEERING INCLUDES: SANDING SPONGES; ANTIBIOTIC OINTMENT; BANDAGE; CABLE TIE; CAMERA, CUTTING OIL; DUST MASK; ELECTRICAL TAPE; EPOXY GLUE & PUTTY; GALVANIZED BAILING WIRE; GLUE MIXING CUP; GOOF OFF; HANDIWIPES; HANGAR STRAP; LUBRICANT #1 & #2; MASONS STRING; MESH DRYWALL TAPE, NOTE PAD, PEN & PENCIL; PLASTIC SHIM; PLUMBERS SAND CLOTH; POLYURETHANE WOOD GLUE; POPSICLE STICK, RUBBER GLOVES; SHOE COVERS; SPACKLING; STAPLES; STEEL WOOL; SUPER GLUE; THREADLOCKER; TOOL MARKER; TOUCH UP MARKER & STICK; TRASH BAG; WALLPAPER SEAM GLUE

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	ENB-5001
Description	SAW-HAND, #5C920, 15" BLADE LENGTH, 8 TPI, HARDWOOD HANDLE
Vendor Name	GRAINGER
Vendor Item ID	5C920
Item UOM	EA
Marriott BOM Name	ENB-5001
Specification	

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	ENB-5005
Description	NAIL PULLER-11 IN #6R299
Vendor Name	GRAINGER
Vendor Item ID	6R299
Item UOM	EA
Marriott BOM Name	ENB-5005
Specification	STANLEY

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	ENB-5006
Description	WRECKING BAR #3FE89
Vendor Name	GRAINGER
Vendor Item ID	3FE89
Item UOM	EA
Marriott BOM Name	ENB-5006
Specification	GOOSENECK

MANUFACTURER	AREAS
Vendor Name: GRAINGER Contact Name: Phone: Email:	Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	ENB-5067
Description	WRENCH-PIPE #4A504
Vendor Name	GRAINGER
Vendor Item ID	4A504
Item UOM	EA
Marriott BOM Name	ENB-5067
Specification	OFF SET HEX, FOR DRAIN NUTS, 1 1/8 - 2-5/8 INCH PIPE CAPACITY; O/A LENGTH: 9-1/2"

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	ENB-5070
Description	WRENCH - PIPE #4A499
Vendor Name	GRAINGER
Vendor Item ID	4A499
Item UOM	EA
Marriott BOM Name	ENB-5070
Specification	14 IN. STRAIGHT, BRAND: RIDGID, 2 IN. MAX

MANUFACTURER	AREAS
Vendor Name: GRAINGER Contact Name: Phone: Email:	Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	ENB-5084
Description	KNIFE-UTILITY #4A803, RETRACATABLE BLADE
Vendor Name	GRAINGER
Vendor Item ID	4A803
Item UOM	EA
Marriott BOM Name	ENB-5084
Specification	INCLUDES 3 BLADES; MFG. STANLEY

MANUFACTURER	AREAS
Vendor Name: GRAINGER Contact Name: Phone: Email:	Public Space

Marriott Item ID	ENB-5086
Description	PUTTY KNIFE #13A670, 1-1/4", STIFF, STEEL/WOOD
Vendor Name	GRAINGER
Vendor Item ID	13A670
Item UOM	EA
Marriott BOM Name	ENB-5086
Specification	

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	ENB-5105
Description	PLIERS, 9.5", TONGUE/GROOVE #4CR37
Vendor Name	GRAINGER
Vendor Item ID	4CR37
Item UOM	EA
Marriott BOM Name	ENB-5105
Specification	1-1/2 IN.OPENING, BRAND: CHANNEL-LOCK

MANUFACTURER	AREAS
Vendor Name: GRAINGER Contact Name: Phone: Email:	Public Space

Marriott Item ID	ENB-5106
Description	PLIERS-LINEMANS #4A833
Vendor Name	GRAINGER
Vendor Item ID	4A833
Item UOM	EA
Marriott BOM Name	ENB-5106
Specification	BRAND: KLIEN, 9 IN.

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	ENB-5109
Description	PLIERS - LONG NOSE #4A864
Vendor Name	GRAINGER
Vendor Item ID	4A864
Item UOM	EA
Marriott BOM Name	ENB-5109
Specification	CRESCENT, 6 IN.; NOTE: REQUIRE ADDITIONAL DOCUMENTATION.

MANUFACTURER	AREAS
Vendor Name: GRAINGER Contact Name: Phone: Email:	Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	ENB-5110
Description	ALLEN KEY SET #3A580
Vendor Name	GRAINGER
Vendor Item ID	3A580
Item UOM	EA
Marriott BOM Name	ENB-5110
Specification	EKLIND, 8 PC., FOLDING

MANUFACTURER	AREAS
Vendor Name: GRAINGER Contact Name: Phone: Email:	Public Space

Marriott Item ID	ENB-5124
Description	WRENCH-ADJUSTABLE, 8 IN. #1NYA3, CHROME
Vendor Name	GRAINGER
Vendor Item ID	1NYA3
Item UOM	EA
Marriott BOM Name	ENB-5124
Specification	

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	ENB-5125
Description	WRENCH, CRESCENT, ADJUSTABLE, 10"
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	141236
Item UOM	EA
Marriott BOM Name	ENB-5125
Specification	ALLOY STEEL CHROME, PLAIN

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	ENB-5145
Description	COLD CHISEL SET #3R151
Vendor Name	GRAINGER
Vendor Item ID	3R151
Item UOM	EA
Marriott BOM Name	ENB-5145
Specification	7 PC WITH POUCH

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	ENB-5149
Description	CUTTERS-BOLT 18" #22UN80
Vendor Name	GRAINGER
Vendor Item ID	22UN80
Item UOM	EA
Marriott BOM Name	ENB-5149
Specification	WESTWARD

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	ENC-2008
Description	SHOVEL-STEEL-ROUND POINT #1WG31
Vendor Name	GRAINGER
Vendor Item ID	1WG31
Item UOM	EA
Marriott BOM Name	ENC-2008
Specification	48" STRAIGHT WOOD HANDLE, BLADE IS 9 3/4" X 11 3/4"

MANUFACTURER	AREAS
Vendor Name: GRAINGER Contact Name: Phone: Email:	Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	ENC-6002
Description	HAMMER DRILL CORDLESS #11A163, DEWALT
Vendor Name	GRAINGER
Vendor Item ID	39RV78
Item UOM	EA
Marriott BOM Name	ENC-6002
Specification	OPERATEA ON 20V LITHIUM ION BATTERY NOTE: THIS ITEM CONSIDERED HAZARDOUS FOR SHIPPING PURPOSES AND REQUIRE ADDITIONAL DOCUMENTATION FOR SHIPPING.

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	END-0713
Description	EXTENSION CORD, #4GAA8, 50 FT
Vendor Name	GRAINGER
Vendor Item ID	4GAA8
Item UOM	EA
Marriott BOM Name	END-0713
Specification	INDOOR/OUTDOOR, GUAGE/CONDUCTOR - 14/3, 15 AMPS, COLOR: YELLOW

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	END-0715
Description	LIGHT, TROUBLE #2W048
Vendor Name	GRAINGER
Vendor Item ID	2W048
Item UOM	EA
Marriott BOM Name	END-0715
Specification	50 FT., 16/3, CAROL (TAKES 75W BULB)

MANUFACTURER	AREAS
Vendor Name: GRAINGER Contact Name: Phone: Email:	Public Space

Marriott Item ID	END-4035
Description	LADDER, STEP, 6 FT., #4W078
Vendor Name	GRAINGER
Vendor Item ID	4W078
Item UOM	EA
Marriott BOM Name	END-4035
Specification	ELECTRICIANS, FIBERGLASS

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	END-4051
Description	FISH TAPE REEL #2NXE8
Vendor Name	GRAINGER
Vendor Item ID	2NXE8
Item UOM	EA
Marriott BOM Name	END-4051
Specification	AND WINDER, 100 FT., 1/8 IN DIAMETER W/CASE

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	END-5102
Description	BELT, ELECTRICIANS, #5LF18
Vendor Name	GRAINGER
Vendor Item ID	5LF18
Item UOM	EA
Marriott BOM Name	END-5102
Specification	NICHOLS

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	ENI-3011
Description	WATER HOSE #423H80 COLD WATER GARDEN 50 FT. 5/8" DIA 500 PSI
Vendor Name	GRAINGER
Vendor Item ID	423H80
Item UOM	EA
Marriott BOM Name	ENI-3011
Specification	USE WITH COLD WATER, HOSE MATERIAL: REINFORCED PVC, HOSE INSIDE DIA. 5/8 IN., HOSE LENGTH, 50 FT., COUPLING GHT, HOSE COLOR: BLACK; MFG. TOUGH GUY

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	ENI-5314
Description	HAMMER, CLAW STYLE, 16 OZ. #2A628
Vendor Name	GRAINGER
Vendor Item ID	2A628
Item UOM	EA
Marriott BOM Name	ENI-5314
Specification	

MANUFACTURER	AREAS
Vendor Name: GRAINGER Contact Name: Phone: Email:	Public Space

TOWNEPLACE SUITES BY MARRIOTT

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ENGINEERING

Revision 18

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	ENI-5318
Description	SHOVEL-STEEL-SQUARE TIP-#3YU83
Vendor Name	GRAINGER
Vendor Item ID	3YU83
Item UOM	EA
Marriott BOM Name	ENI-5318
Specification	48" STRAIGHT WOOD HANDLE, BLADE: 9-3/4" X 11-3/4"

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	ENI-6002
Description	SNOW SHOVEL, STEEL #4W604
Vendor Name	GRAINGER
Vendor Item ID	4W604
Item UOM	EA
Marriott BOM Name	ENI-6002
Specification	(WINTER PROPERTIES ONLY)

MANUFACTURER	AREAS
Vendor Name: GRAINGER Contact Name: Phone: Email:	Public Space

Marriott Item ID	ENO-1090
Description	ELECTRONIC CHARGING SCALE #5PWF8
Vendor Name	GRAINGER
Vendor Item ID	5PWF8
Item UOM	EA
Marriott BOM Name	ENO-1090
Specification	0.15% OF READING ACCURACY, DISPLAY 5 DIGIT, FOR USE WITH REFRIGERANT CYLINDERS, INCLUDES CARRYING CASE & INSTRUCTIONS

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	ENO-1094
Description	MANIFOLD GUAGE #6X639
Vendor Name	GRAINGER
Vendor Item ID	6X639
Item UOM	EA
Marriott BOM Name	ENO-1094
Specification	SET IMPERIAL, 2 VALVE, 0 - 500 PSI

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	ENQ-2151
Description	KEY CABINET 60 UNITS #5KDJ8
Vendor Name	GRAINGER
Vendor Item ID	5KDJ8
Item UOM	EA
Marriott BOM Name	ENQ-2151
Specification	Mfg Brand Name: KIDDE Manufacturer Part No: 1796

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	EPO-5134
Description	DRILLS, DEWALT, 3/8" CHUCK SIZE, 120 V, CORDED
Vendor Name	GRAINGER
Vendor Item ID	2EKR7
Item UOM	EA
Marriott BOM Name	EPO-5134
Specification	REVERSIBLE 3/8 IN. VARIABLE SPEED

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	EPO-5155
Description	GRINDER - BENCH #4PC39
Vendor Name	GRAINGER
Vendor Item ID	4PC39
Item UOM	EA
Marriott BOM Name	EPO-5155
Specification	6", 4.2 AMPS, 5/8 HP, 3450 RPM, 1/2" SPINDLE

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	EPO-5167
Description	DRILL/DRIVER- KIT CORDLESS #6CXN2 3/8" 12V MAX LI-ION
Vendor Name	GRAINGER
Vendor Item ID	6CXN2
Item UOM	EA
Marriott BOM Name	EPO-5167
Specification	TWO #6CXN0 BATTERIES INCLUDED, FAST CHARGER, BELT HOOK, CONTRACTOR BAG, DCD710 DRILL DRIVER, DEWALT.

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	HK-3003A
Description	RECEPTACLES-44 GAL. #2FTH4, BLACK UTLITY CONTAINER, PLASTIC
Vendor Name	GRAINGER
Vendor Item ID	2FTH4
Item UOM	EA
Marriott BOM Name	HK-3003A
Specification	ROUND, 31-1/2"H X 24" DIA., BRUTE BY RUBBERMAID; NOTE: ORDER LID SEPARATELY ITEM #4LZL8 (HK-4521A)AND DOLLY ITEM 5W007 (HK-3004)

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HK-3004
Description	MOBILE BARREL DOLLY #5W007
Vendor Name	GRAINGER
Vendor Item ID	5W007
Item UOM	EA
Marriott BOM Name	HK-3004
Specification	44 GALLON

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	HKG-4593
Description	TILT TRUCK #5M639, 3/4 YARD CAPACITY
Vendor Name	GRAINGER
Vendor Item ID	5M639
Item UOM	EA
Marriott BOM Name	HKG-4593
Specification	

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	HKG-4594
Description	DOMED LID FOR TILT TRUCK, #5M642
Vendor Name	GRAINGER
Vendor Item ID	5M642
Item UOM	EA
Marriott BOM Name	HKG-4594
Specification	FITS TRUCK SIZE 3/4 CU. YDS.

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKG-4591
Description	RECEPTACLE FRAME #5W767
Vendor Name	GRAINGER
Vendor Item ID	5W767
Item UOM	EA
Marriott BOM Name	HKG-4591
Specification	INCLUDES 50 GALLON CAPACITY RIGID PLASTIC TRASH LINER; NOTE: FOR FRAME PANELS - ORDER HKG-4592 (5W768)

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKG-4592
Description	RECEPTACLE PANEL #5W768, AGGREGATE STONE FINISH
Vendor Name	GRAINGER
Vendor Item ID	5W768
Item UOM	EA
Marriott BOM Name	HKG-4592
Specification	FOR 50 GALLON RECEPTACLE FRAME #5W767

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	BLT-0022
Description	PLATE RACKS, 18 1/16" X 3 1/4"
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	410074
Item UOM	EA
Marriott BOM Name	BLT-0022
Specification	BY BLAYBLOCK FOR WASSERSTROM PLATE-CHI-1109RI

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	BRKFST-1009A
Description	RICE COOKER/WARMER, ELECTRIC, 23 CUP
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	370696
Item UOM	EA
Marriott BOM Name	BRKFST-1009A
Specification	CAPACITY, UL/NSF (JAPANESE BREAKFAST)(OPTIONAL)

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	CAT-5051
Description	CHILLED DISPLAY COLD CELL, ITHERMO 8" X 2", SQUARE
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6034759
Item UOM	EA
Marriott BOM Name	CAT-5051
Specification	AMERICAN METALCRAFT; (AFTER FREEZING KEEPS FOOD COLD; GOES IN VIDA CASA BASE)

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	CAT-5051A
Description	BASE TRAY ONLY FOR COLD CELL VIDA CASEA MELAMINE
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6070948
Item UOM	EA
Marriott BOM Name	CAT-5051A
Specification	

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	CBK-0054
Description	SPOON, SOLID, BLACK, 11"
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	211016
Item UOM	EA
Marriott BOM Name	CBK-0054
Specification	FOR RICE (JAPANESE BREAKFAST)(OPTIONAL)

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	CHI-1107RI
Description	CHINA-MUG,C HANDLE, 11 OZ
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	404213
Item UOM	CS
Marriott BOM Name	CHI-1107RI
Specification	FOR BREAKFAST AREA- 3 DOZEN PER CASE PATTERN: REGO BRIGHT WHITE UNDECORATED USAGE NOTE: FRST BREAKFAST; REQUIRED FOR RI-OPTIONAL FOR OTHERS USE GLASS RACK: KIT-7040

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	CHI-1108RI
Description	CHINA-BOWL, UNDECORATED 13.5 OZ
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	405014
Item UOM	CS
Marriott BOM Name	CHI-1108RI
Specification	FOR BREAKFAST AREA- 3 DOZEN PER CASE PATTERN: REGO BRIGHT WHITE UNDECORATED FOR FRST BRANDS: REQUIRED FOR RI- OPTIONAL FOR OTHERS

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	CHI-1109RI
Description	CHINA- DINNER PLATE, 10 1/4",
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	405039
Item UOM	CS
Marriott BOM Name	CHI-1109RI
Specification	FOR BREAKFAST AREA- 1 DOZEN PER CASE; PATTERN: REGO BRIGHT WHITE UNDECORATED FOR FRST BRANDS-REQUIRED FOR RI;OPTIONAL FOR OTHERS USE RACK: BLT-0022

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	CLE-1700
Description	BUCKET, PAIL, KLEEN-3 QT, PRO, RED
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6102526
Item UOM	EA
Marriott BOM Name	CLE-1700
Specification	

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	CLR-0058
Description	LABELING GUN, EXTRA INK CARTRIDGES
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	215134
Item UOM	EA
Marriott BOM Name	CLR-0058
Specification	

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	FBK-0014A
Description	CHILL-IT HOUSING @, 1/6 SIZE, BAMBOO, FOR CHILL-IT CONTAINER
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	871115
Item UOM	EA
Marriott BOM Name	FBK-0014A
Specification	HOLDS BUTTER, MARGARINE AND CREAM CHEESE FOR FAIRFIELD INN AND FAIRFIELD INN & SUITES BREAKFAST PROGRAM; NOTE: ORDER WITH BLACK CHILL-IT CONTAINER #262358 (FBK-0014)

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	FBK-0033
Description	WASTE CAN-BULLET STYLE- BRUSHED
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	283251
Item UOM	EA
Marriott BOM Name	FBK-0033
Specification	S/S, 16 GAL/60 L; MFG. SIMPLE HUMAN; FOR COURTYARD S-BAR & FFI BREAKFAST PROGRAMS; FEATURES: OPEN TOP LID FOR QUICK ACCESS; EASY LIFT HANDLES FOR EASY LIFTING & MOVING; REMOVABLE LID FOR SIMPLE BAG REMOVAL; NO INNER BUCKET NEEDED; NONSKID BASE PREVENTS TRASH CAN FROM TIPPING; HOLDS 30-33 GALLON TRASH BAGS; 5 YR. LIMITED WARRANTY DIMENSIONS 29.8 H x 16 W x 15.8 D

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	FBK-0034A
Description	LINER FOR BULLET-STYLE WASTE CAN, 60 L,
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6040865
Item UOM	CS
Marriott BOM Name	FBK-0034A
Specification	PLASTIC, DIM: 8.7L X 7.1W X 11.7H, SIMPLE HUMAN CW0274; NOTE: NEEDED FOR CY S-BAR; OPTIONAL FOR CENTRAL BISTRO

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	FBK-0048
Description	BRUSH, DISHWASHING, SOFT BRISTLE, 12 INCH
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	603432
Item UOM	EA
Marriott BOM Name	FBK-0048
Specification	SOFT BRISTLE, 12"

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	FBK-0049
Description	CONTAINER-FOOD-2 QT-SQUARE-CLEAR
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	106199
Item UOM	EA
Marriott BOM Name	FBK-0049
Specification	(FOR OATMEAL TOPPINGS)

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	FBK-0050
Description	LID FOR CONTAINER-2/4 QT. FOOD STORAGE
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	106422
Item UOM	EA
Marriott BOM Name	FBK-0050
Specification	CLEAR, 2 QUART, LID FOR (OATMEAL TOPPINGS)

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	FBK-0051
Description	GLOVES, THREE COMPARTMENT SINK, X-LARGE
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	78540013
Item UOM	PR
Marriott BOM Name	FBK-0051
Specification	

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	FBK-0053
Description	LABELING GUN, SINGLE LINE
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	800407
Item UOM	EA
Marriott BOM Name	FBK-0053
Specification	

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

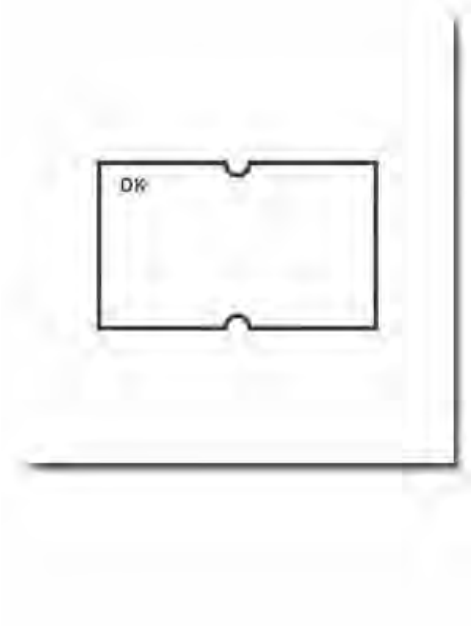
AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	FBK-0054
Description	TAPE FOR LABELING GUN,
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	914350
Item UOM	RL
Marriott BOM Name	FBK-0054
Specification	



MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	FBK-0056
Description	PAN-SHEET-FULL SIZE NATURAL, 18 X 26 X 1 INCH
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	117604
Item UOM	EA
Marriott BOM Name	FBK-0056
Specification	18 X 26 X 1" USAGE NOTE: OPTIONAL FOR RI IF USING CONVECTION OVEN; REQUIRED FOR FST

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	FBK-0058
Description	TONGS, KITCHEN SPRING TYPE
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	273104
Item UOM	EA
Marriott BOM Name	FBK-0058
Specification	S/S 9 1/2 INCH, HEAVY DUTY

MANUFACTURER	AREAS
Vendor Name: WASSERSTROM COMPANY Contact Name: Phone: Email:	Public Space

Marriott Item ID	FBK-0085
Description	ALLOWANCE FOR SNEEZE GUARD, 35 INCH LONG
Vendor Name	LOCAL PURCHASE ALLOWANCE
Vendor Item ID	ZG9600-MAR-3
Item UOM	EA
Marriott BOM Name	FBK-0085
Specification	1/4 INCH THICK GLASS WITH 1 INCH ROUNDED CORNERS, BRUSHED ALUMINUM FINISH, ZGUARD, MARKET GUARD, (PREFERRED ITEM TO BE USED IF DOME COVERS ARE NOT USED OR WHERE REQUIRED BY LOCAL ORDINANCE) NOTE: PURCHASE ITEM THROUGH BRASS SMITH @ TEL: 303-331-8777, EXT. 306 - FAX: 303/331-8444; BRASS SMITH PORTABLE SNEEZE GUARD ORDER FORM FOUND ON MGS MUST BE USED TO PLACE ORDER; CREDIT CARD PAYMENT IS REQUIRED. CONTACT: ANDREW PADDEN AT apadden@bsidesigns.com

MANUFACTURER	AREAS
Vendor Name: LOCAL PURCHASE ALLOWANCE Contact Name: Phone: Email:	Public Space

Marriott Item ID	FBK-0125
Description	SPOON, SERVING, PATTERN: FULCRUM
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6003993
Item UOM	EA
Marriott BOM Name	FBK-0125
Specification	(FOR SERVING EGGS)

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	FBK-0131
Description	LID FOR CHILL-IT CONTAINER,
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	659073
Item UOM	EA
Marriott BOM Name	FBK-0131
Specification	(TO COVER SALSA & SHREDDED CHEDDAR CHEESE)

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	FBK-0132
Description	SHELF FOR MICROWAVE OVEN, OPTIONAL TO MOUNT MICROWAVE
Vendor Name	ADVANCE TABCO FOOD SERVICE
Vendor Item ID	MS-24-24-X
Item UOM	EA
Marriott BOM Name	FBK-0132
Specification	OVEN, AS NEEDED, STAINLESS STEEL (ADVANCE/TABCO). NOTE: MAY BE INCLUDED IN FOOD SERVICE EQUIPMENT SCHEDULE

MANUFACTURER

Vendor Name: ADVANCE TABCO FOOD SERVICE
Contact Name: Customer Service
Phone: 1-800-645-3166
Email:

AREAS

Public Space

Marriott Item ID	FBK-0133
Description	WASTE RECEPTACLE, SLIM JIM 23 GAL., GRAY
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	654650
Item UOM	EA
Marriott BOM Name	FBK-0133
Specification	

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	FBK-0134
Description	LID, FOR SLIM JIM 23 GAL. WASTE RECEPTACLE, GRAY
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	654656
Item UOM	EA
Marriott BOM Name	FBK-0134
Specification	

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	FBK-0145
Description	CHILLED DISPLAY COVER DOME FITS VIDA CASA HOUSING
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6018104
Item UOM	EA
Marriott BOM Name	FBK-0145
Specification	& BASE UNIT, PETG, WITH DOOR; (NOT DISHWASHER SAFE - HAND SANITIZE ONLY)

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	FBK-0146A
Description	CHILLED DISPLAY INSERT TRAY FOR VIDA CASA BASE WHITE 12"X12"
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6099423
Item UOM	EA
Marriott BOM Name	FBK-0146A
Specification	MELAMINE

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	FBK-0147
Description	CHILLED DISPLAY HOUSING FOR VIDA CASA BASE, BAMBOO
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6018102
Item UOM	EA
Marriott BOM Name	FBK-0147
Specification	(NOT DISHWASHER SAFE - HAND SANITIZE ONLY)

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	FBK-0149
Description	FLATWARE/UTENSIL DISPLAY STAND 3 TIER BAMBOO
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6040982
Item UOM	EA
Marriott BOM Name	FBK-0149
Specification	(HOLDS METAL CYLINDER INSERTS FOR FLATWARE) ORDER #WASSERSTROM 136177 (FBK-0150) FOR CYLINDERS

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	FBK-0155
Description	FULL FOOD PAN INSERT INDUCTION SAUTEUSE S/S 14-1/8" DIAMETER
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	368871
Item UOM	EA
Marriott BOM Name	FBK-0155
Specification	(OPTIONAL IF HOTEL HAS MORE THAN 2 INDUCTION UNITS)

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	FBK-0177
Description	SPOON REST, BRUSHED STAINLESS STEEL
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6062822
Item UOM	EA
Marriott BOM Name	FBK-0177
Specification	

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	FBK-5128
Description	MARBLE GN 1/2 RECTANGULAR TRAY 12 3/4"L X 10 1/2"W
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6102340
Item UOM	EA
Marriott BOM Name	FBK-5128
Specification	

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	FBK-5129
Description	BAKERY SPLIT COVER 21 1/2" X 13 3.4"
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6102341
Item UOM	EA
Marriott BOM Name	FBK-5129
Specification	

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	FBK-5130
Description	SPOON, TOPPINGS DISPLAY, STAINLESS STEEL
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6102315
Item UOM	CS
Marriott BOM Name	FBK-5130
Specification	

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	FBK-5132
Description	DISPLAY, TWO TIER STAND FOR TOPPINGS
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6102314
Item UOM	EA
Marriott BOM Name	FBK-5132
Specification	

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	FBK-5133
Description	PITCHER W/ICE CHAMBER & STIR (72 OZ) KUFRA WHITE
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6102344
Item UOM	EA
Marriott BOM Name	FBK-5133
Specification	

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	FBK-5134
Description	CADDY, BLACK WIRE
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6102497
Item UOM	EA
Marriott BOM Name	FBK-5134
Specification	

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	FBK-5135
Description	DISPLAY, BLACK WIRE BASKET GN 1/2
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6102342
Item UOM	EA
Marriott BOM Name	FBK-5135
Specification	

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	FBK-5136
Description	DISPLAY, BLACK WIRE BASKET GN 1/3
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6102343
Item UOM	EA
Marriott BOM Name	FBK-5136
Specification	

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	FBK-5137
Description	COFFEE MAKER, BOROSILICATE DISPLAY
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6102346
Item UOM	EA
Marriott BOM Name	FBK-5137
Specification	

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	FBK-5138
Description	CREAMER, COFFEE 1.0L
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6102345
Item UOM	EA
Marriott BOM Name	FBK-5138
Specification	

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	FBK-5139
Description	DISPLAY, DECORATIVE CONTAINER, LARGE
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6102317
Item UOM	CS
Marriott BOM Name	FBK-5139
Specification	

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	FBK-5140
Description	LID FOR GLASS BOTTLES (BW014, BW015, BW016) WHITE
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6102554
Item UOM	EA
Marriott BOM Name	FBK-5140
Specification	

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	FBK-5141
Description	BOTTLE, MINI 2 3/8 X 4 3/4, 6 3/4 OZ
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6102552
Item UOM	EA
Marriott BOM Name	FBK-5141
Specification	

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	FBK-5142
Description	BOTTLE, MINI 2 3/8 X 5 1/2, 8 1/2 OZ
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6102551
Item UOM	EA
Marriott BOM Name	FBK-5142
Specification	

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	FBK-5143
Description	BOARD, FLAT TEAK WOOD 13 1/4 X 8 3/4
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6101204
Item UOM	EA
Marriott BOM Name	FBK-5143
Specification	

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	FBK-5144
Description	BOARD, WOOD SERVING PADDLE OLIVE 15 X 7 3/4
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6102553
Item UOM	EA
Marriott BOM Name	FBK-5144
Specification	

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	FBK-5230
Description	JAR, ACRYLIC, TOPPINGS, WOOD REMOVABLE LID
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6105650
Item UOM	CS
Marriott BOM Name	FBK-5230
Specification	

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	FLW-2250
Description	KNIFE, TABLE, 9-1/4", ORIGIN, IMPORT
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6036575
Item UOM	DZ
Marriott BOM Name	FLW-2250
Specification	WORLD TABLEWARE INC.962 5501 USAGE NOTE: FOR RESIDENCE INN SHARED ITEMS WITH BREAKFAST REQUIRED FOR RI; OPTIONAL FOR FST BRANDS

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	FLW-2251
Description	TEASPOON, 6-1/8"L, ORIGIN, IMPORT,
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6039436
Item UOM	DZ
Marriott BOM Name	FLW-2251
Specification	WORLD TABLEWARE INC.962 5501 USAGE NOTE: FOR RESIDENCE INN SHARED ITEMS WITH BREAKFAST REQUIRED FOR RI-OPTIONAL FOR FST BRANDS

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	FLW-2252
Description	SPOON, DESSERT, 7-1/2", ORIGIN, IMPORT
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6036573
Item UOM	DZ
Marriott BOM Name	FLW-2252
Specification	WORLD TABLEWARE INC.962 5501 USAGE NOTE: FOR RESIDENCE INN SHARED ITEMS WITH BREAKFAST REQUIRED FOR RI-OPTIONAL FOR FST BRANDS

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	FLW-2253
Description	FORK, TABLE, 8-1/8", ORIGIN, IMPORT
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6036574
Item UOM	DZ
Marriott BOM Name	FLW-2253
Specification	WORLD TABLEWARE INC.962 5501 USAGE NOTE: FOR RESIDENCE INN SHARED ITEMS WITH BREAKFAST REQUIRED FOR RI-OPTIONAL FOR FST BRANDS

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	GUS-8423A
Description	GLASSWARE-BEVERAGE, 12 OZ.
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	543247
Item UOM	CS
Marriott BOM Name	GUS-8423A
Specification	PATTERN: "RESTAURANT BASICS" FOR BREAKFAST: OPTIONAL F&B FOR: FAIRFIELD, SPRINGHILL AND TOWNPLACE REQUIRED F&B FOR RESIDENCE INN-OPTIONAL FOR FST

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	KIT-00077
Description	FOOD PAN INSERT, HALF SIZE S/S 2 QT BUFFET SERVER REFUEL
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	368309
Item UOM	EA
Marriott BOM Name	KIT-00077
Specification	2 Qt pan food half size round SS Height: 2.25"", Diameter: 14.13"; SPRING USA CORP. 372-66/36/12 Usage Note: Depending on market demands and guest mix, the addition of a single-price breakfast buffet may be appropriate to meet guest needs. Note: This optional buffet module does not replace standard Re:fuel breakfast. Refer to Breakfast Buffet Module for suggested quantities and OS&E placement. USAGE NOTE: FOR FRST BRANDS

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	KIT-00276
Description	BUFFET SERVER SAUTEUSE ROUND STAINLESS STEEL W/HYDRAULIC
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	979093
Item UOM	EA
Marriott BOM Name	KIT-00276
Specification	AXLE AND GLASS COVER, CHROME ACCENTS 7"H X 15.25"D; SPRING USA CORP. 2472-6/36; USAGE NOTE: QTY 3 REQUIRED FOR RESIDENCE INN CAN CHOOSE SOLID STAINLESS STEEL LID OPTION INSTEAD-DO NOT NEED BOTH Usage Note: Scheme: A,B, C B&C ID #: 366 Note: Hot Food Presentation Alternative

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	KIT-00413
Description	THERMOMETER POCKET TEST 5" (L) DIAL 0-220F
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	113170
Item UOM	EA
Marriott BOM Name	KIT-00413
Specification	FLUKE ELECTRONICS T220A/BOXED; Usage Note: The quantities provided are for the prototypical Four Points by Sheraton property and may vary depending on specific property needs.

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

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Marriott Item ID	KIT-0337B
Description	THERMOMETER, POCKET, EXEC NEEDLE, CHARCOAL
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6100802
Item UOM	EA
Marriott BOM Name	KIT-0337B
Specification	

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	KIT-1453
Description	CUTTING BOARD, PLASTIC, WHITE 18" X 12" X 1/2"
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	648227
Item UOM	EA
Marriott BOM Name	KIT-1453
Specification	

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	KIT-4010
Description	MITT-OVEN-BLACK, 13.75" L, HEAT RESISTANT UP TO 500 DEGREES
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6022697
Item UOM	EA
Marriott BOM Name	KIT-4010
Specification	MATERIAL: FLXAPRENE W/NOMEX BINDING; WATER RESISTANT, DISHWASHER SAFE, FITS EITHER HAND; MFG. BROWNE #5431502 NOTE: FOR RESIDENCE INN BREAKFAST CHOOSE QTY UPON ORDERING.

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

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Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	KIT-4040
Description	GLASS RACK, VOLLRATH, 25 CAP, FITS 12OZ BEVERAGE GLASS
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	327658
Item UOM	EA
Marriott BOM Name	KIT-4040
Specification	FOR FRST BEVERAGE GLASS: WASSERSTROM #543247 FOR FRST BRANDS; REQUIRED FOR RI-OPTIONAL FOR OTHERS

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	KIT-5515
Description	NAPKIN, DINNER, 15X17, 2-PLY, 1/8 FOLD
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6030668
Item UOM	CS
Marriott BOM Name	KIT-5515
Specification	FOR BREAKFAST PROGRAM

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	KIT-5516
Description	FOOD PAN, CAMBRO, CAMWEAR, 2-1/2"H, WHITE
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	104936
Item UOM	EA
Marriott BOM Name	KIT-5516
Specification	USAGE NOTE: FOR FRST BRANDS; RI ICE WELL DISPLAY ONLY-OPTIONAL FOR OTHERS

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	KIT-7040
Description	RACK FOR COFFEE MUG, 11OZ, HOLDS 25, 4-13/16"H
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	327657
Item UOM	EA
Marriott BOM Name	KIT-7040
Specification	USAGE NOTE: FOR WASSERSTROM COFFEE MUG-CHI-1107RI

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	KIT-7041
Description	RACK FOR CEREAL BOWL, 3-1/4"
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	327650
Item UOM	EA
Marriott BOM Name	KIT-7041
Specification	FOR WASSERSTROM CEREAL BOWL #405014

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	KITS-20025
Description	DISPENSER, CEREAL, ECO MODERN
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6026576
Item UOM	EA
Marriott BOM Name	KITS-20025
Specification	3 COMPARTMENT DISPENSER, BAMBOO. NOT DISHWASHER SAFE- HAND SANITIZE ONLY USAGE NOTE: FOR FRST BREAKFAST

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	LNG-3323
Description	BASKET STEAMER 1/6 HIGH TEMP
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6095423
Item UOM	EA
Marriott BOM Name	LNG-3323
Specification	

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	OBK-0011
Description	MICROWAVE OVEN, COMMERCIAL, AMANA COMMERCIAL
Vendor Name	SILVER EAGLE MARKETING CO INC
Vendor Item ID	RCS10TS
Item UOM	EA
Marriott BOM Name	OBK-0011
Specification	120 VOLT, 1000 WATT, FOR FOOD PREP AREA; MEDIUM VOLUME, STAINLESS STEEL INTERIOR & EXTERIOR, 10 MENU PADS, 5 POWER LEVELS, SIDE HINGED DOOR W/GLASS WINDOW. NOTE: ITEM MAY BE SPECIFIED IN FOOD SERVICE EQUIPMENT SCHEDULE

MANUFACTURER

Vendor Name: SILVER EAGLE MARKETING CO INC
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	OBK-0033
Description	PAN-FOOD-QUART-SIZE-4" DEEP-AMBER
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	102213
Item UOM	EA
Marriott BOM Name	OBK-0033
Specification	POLYSULFONE, (FOR MICROWAVE CONVENTION OVENS) OPTIONAL FRST BREAKFAST

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	OBK-0034A
Description	LID-SMART FOR FOOD PAN, 1/4 SIZE DARK BLUE COLOR
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6047249
Item UOM	EA
Marriott BOM Name	OBK-0034A
Specification	DIM: 10-1/4"L X 6-3/8"W MATERIAL: POLYETHYLENE HEAT RESISTANT; LEAK RESISTANT SEAL

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	OBK-0041
Description	CUP/LID HOLDER WITH METAL
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	214579
Item UOM	EA
Marriott BOM Name	OBK-0041
Specification	BASE; FOR COFFEE CONDIMENT STATION (OPTIONAL)

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	PPE-5005
Description	WIPES, 75% ALCOHOL
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6091547
Item UOM	PK
Marriott BOM Name	PPE-5005
Specification	MAXIM WORLD MWMED100 72 PACKS 5 WIPES PER PACK

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	RBK-0013B
Description	FLATWARE HOLDER, WHITE
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6052130
Item UOM	CS
Marriott BOM Name	RBK-0013B
Specification	CAL-MIL #1017-15 3 NEEDED PER STAND (RBK-0042) REQUIRED FRST BREAKFAST

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	RBK-0026
Description	PAN-FOOD-QUART SIZE-4"-CLEAR
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	104920
Item UOM	EA
Marriott BOM Name	RBK-0026
Specification	POLYCARBONATE (FOR STANDARD MICROWAVE OVENS) REQUIRED FRST BREAKFAST

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	RBK-0027B
Description	SEAL LID FOR FOOD PAN, QUARTER-SIZE, 4", CLEAR
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	104983
Item UOM	EA
Marriott BOM Name	RBK-0027B
Specification	POLYCARBONATE; (FOR STANDARD MICROWAVE OVENS) REQUIRED FRST BREAKFAST

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	RBK-0032
Description	PAN-SHEET, HALF-SIZE, 18"X13"X1"
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	118400
Item UOM	EA
Marriott BOM Name	RBK-0032
Specification	NATURAL USAGE NOTE: OPTIONAL FOR RI IF USING CONVECTION OVEN FOR HEATING; REQUIRED FOR FST

MANUFACTURER	AREAS
Vendor Name: WASSERSTROM COMPANY Contact Name: Phone: Email:	Public Space

Marriott Item ID	RBK-0105
Description	KNIFE, COOK'S, 8" BLADE, MILLENNIA,
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	500263
Item UOM	EA
Marriott BOM Name	RBK-0105
Specification	(BUILD YOUR OWN HOT FOOD TOPPINGS); MFG. MERCER CUTLERY MODEL M22608 FOR FRST BREAKFAST PROGRAM

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	RBK-0114
Description	SPOON, SLOTTED, 13 1/4", HEAVY
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	210912
Item UOM	EA
Marriott BOM Name	RBK-0114
Specification	DUTY, (OATMEAL) FOR RESIDENCE INN BREAKFAST PROGRAM - CHOOSE QTY UPON ORDERING

MANUFACTURER	AREAS
Vendor Name: WASSERSTROM COMPANY Contact Name: Phone: Email:	Public Space

Marriott Item ID	RBK-0128
Description	CHILL-IT PAN, WHITE, FOR COLD CONDIMENTS
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	116224
Item UOM	EA
Marriott BOM Name	RBK-0128
Specification	1/6 SIZE FOOD PAN INSERT FOR CHILL-IT HOUSING #6044267 (RBK-0129) SAN JAMAR CI7001WH FOR FRST BREAKFAST PROGRAM

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	RBK-0138
Description	CYLINDER, MELAMINE, WHITE, 8" FOR UTENSIL DISPLAY (KNIVES)
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6044167
Item UOM	EA
Marriott BOM Name	RBK-0138
Specification	

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	RBK-0141A
Description	JAR, GLASS 4X4X4 FOR JAMS AND JELLIES
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6052118
Item UOM	CS
Marriott BOM Name	RBK-0141A
Specification	MODEL #C4X4X4GLASS REQUIRED FRST BREAKFAST - FOR CUSTOMIZATION STATION

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	RBK-0143
Description	CARAFE (FOR ICED COFFEE) 1.5 LITER POLYCARBONATE WITH
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6044263
Item UOM	EA
Marriott BOM Name	RBK-0143
Specification	STAINLESS STEEL LID

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	RBK-0153
Description	ICE BUCKET, S/S
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6005626
Item UOM	EA
Marriott BOM Name	RBK-0153
Specification	USAGE NOTE: RI ONLY PER MCW FOR BUFFET DISPLAY

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	RBK-0170
Description	DISPLAY, COFFEE, CONDIMENTS
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6103505
Item UOM	EA
Marriott BOM Name	RBK-0170
Specification	STAINLESS STEEL LID

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	RBK-0171
Description	TOASTER, HAMILTON BEACH, 4-SLOT
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6100418
Item UOM	EA
Marriott BOM Name	RBK-0171
Specification	STAINLESS STEEL LID

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	RBK-0172
Description	CARAFE, BAND,F/, SILK ORIGINAL OATMILK
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6103881
Item UOM	EA
Marriott BOM Name	RBK-0172
Specification	STAINLESS STEEL LID

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	RBK-0173
Description	CARAFE, BAND,F/, HALF&HALF
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6103882
Item UOM	EA
Marriott BOM Name	RBK-0173
Specification	STAINLESS STEEL LID

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	RBK-0174
Description	CARAFE, BAND,F/, 2% MILK
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6103883
Item UOM	EA
Marriott BOM Name	RBK-0174
Specification	STAINLESS STEEL LID

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	RSK-10013
Description	TURNER, SLOTTED, 15", ECLIPSE
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	257426
Item UOM	EA
Marriott BOM Name	RSK-10013
Specification	

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	RSR-1047
Description	OATMEAL COOKER/WARMER PACKAGE
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	582264
Item UOM	EA
Marriott BOM Name	RSR-1047
Specification	7 QUART (VOLLRATH - 72018)

MANUFACTURER	AREAS
Vendor Name: WASSERSTROM COMPANY Contact Name: Phone: Email:	Public Space

Marriott Item ID	SBK-0051
Description	TONG, PASTRY, S/S, 8"
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	658965
Item UOM	EA
Marriott BOM Name	SBK-0051
Specification	REQUIRED FOR FRST BRANDS & CY BREAKFAST

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	SBK-0158
Description	BUFFET IDENTIFIER BASE, BAMBOO
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6048833
Item UOM	EA
Marriott BOM Name	SBK-0158
Specification	

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	SBK-2012
Description	MINI SILVERMASTER SET, 4 COMPARTMENT
Vendor Name	ECOLAB RABURN INC
Vendor Item ID	92906031
Item UOM	SET
Marriott BOM Name	SBK-2012
Specification	(FOR SOAKING SOILED FLATWARE); SET INCLUDES: ONE SOAK PAN, TWO CYLINDER CARRIER WASHERS (CCW-8) WITH EIGHT ROUND BASKETS (7201) EACH AND THREE FOUR-COMPARTMENT SILVERSOAK CARRIER WASHERS (SSCW-4); AVAILABLE IN BEIGE COLOR ONLY NOTE: OPTIONAL UPGRADE TO STANDARD DISPOSABLE FOR FRST BRANDS; REQUIRED FOR RI- OPTIONAL FOR OTHERS

MANUFACTURER

Vendor Name: ECOLAB RABURN INC
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	SBK-2015
Description	DOLLY FOR GLASS RACKS BROWN WITHOUT HANDLE
Vendor Name	ECOLAB RABURN INC
Vendor Item ID	92901149
Item UOM	EA
Marriott BOM Name	SBK-2015
Specification	NOTE: OPTIONAL UPGRADE TO STANDARD DISPOSABLE FOR FRST BRANDS; REQUIRED FOR RI-OPTIONAL FOR OTHERS

MANUFACTURER

Vendor Name: ECOLAB RABURN INC
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	TBK-0001
Description	REFRIGERATOR-COUNTERTOP DISPLAY@
Vendor Name	SPURRY CURREN AND ASSOCIATES INC
Vendor Item ID	BCV-1103-MAR
Item UOM	EA
Marriott BOM Name	TBK-0001
Specification	DIM: 19.6"L X 21.6"D X 32.9"H; LIEBHERR FORCED AIR COUNTERTOP MODEL, 2.7 CU.FT. CAPACITY, AUTO DEFROST, BLACK EXTERIOR FINISH, REVERSIBLE GLASS DOOR WITH KEY LOCK, 3 ADJUSTABLE SHELVES, R134A REFRIGERANT, ADJUSTABLE INTERIOR LIGHT, DOOR ACTIVATED FAN OFF SWITCH, 38 DEGREE F OPERATION; 1.4 KWH @ 115/60/1 VOLTAGE. NOTE: SHOULD BE INCLUDED IN 4KE/FOOD SERVICE EQUIPMENT CONTRACT; VERIFY PRIOR TO ADDING QUANTITY. NOTE: FREIGHT IS AN ADDITIONAL $265/UNIT

MANUFACTURER

Vendor Name: SPURRY CURREN AND ASSOCIATES INC
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	TBK-0027
Description	PLATE, 10" DISPOSABLE
Vendor Name	LOCAL MASTER DISTRIBUTOR ALLOWANCE
Vendor Item ID	
Item UOM	CS
Marriott BOM Name	TBK-0027
Specification	

MANUFACTURER

Vendor Name: LOCAL MASTER DISTRIBUTOR ALLOWANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	TBK-0032
Description	TO GO FLATWARE-KNIFE,
Vendor Name	LOCAL MASTER DISTRIBUTOR ALLOWANCE
Vendor Item ID	
Item UOM	CS
Marriott BOM Name	TBK-0032
Specification	

MANUFACTURER

Vendor Name: LOCAL MASTER DISTRIBUTOR ALLOWANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	TBK-0033
Description	TO GO FLATWARE-TEASPOON,
Vendor Name	LOCAL MASTER DISTRIBUTOR ALLOWANCE
Vendor Item ID	
Item UOM	CS
Marriott BOM Name	TBK-0033
Specification	

MANUFACTURER

Vendor Name: LOCAL MASTER DISTRIBUTOR ALLOWANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	TBK-0045
Description	PEPPER GRINDER & SALT SHAKER, DEL NORTE
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	409040
Item UOM	ST
Marriott BOM Name	TBK-0045
Specification	DEL NORTE, BRUSHED STAINLESS TOP AND BASE **FOR HARD BOILED EGG SET UP**

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	TBK-0052
Description	TO GO FLATWARE, FORK
Vendor Name	LOCAL MASTER DISTRIBUTOR ALLOWANCE
Vendor Item ID	
Item UOM	CS
Marriott BOM Name	TBK-0052
Specification	

MANUFACTURER

Vendor Name: LOCAL MASTER DISTRIBUTOR ALLOWANCE
Contact Name:
Phone:
Email:

AREAS

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	TBK-0073
Description	INDUCTION SAUTEUSE STAINLESS STEEL
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	368903
Item UOM	EA
Marriott BOM Name	TBK-0073
Specification	USAGE NOTE: QTY 3 REQUIRED FOR RESIDENCE INN CAN CHOOSE SOLID STAINLESS STEEL LID OPTION INSTEAD-DO NOT NEED BOTH

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	TBK-0074A
Description	INDUCTION SAUTEUSE STABILIZER BAR
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	368904
Item UOM	EA
Marriott BOM Name	TBK-0074A
Specification	

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	TBK-0075
Description	INDUCTION RANGE, HOLD ONLY, 110 VOLTS
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	110555
Item UOM	EA
Marriott BOM Name	TBK-0075
Specification	

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	TBK-0096
Description	TRASH CAN SIMPLE HUMAN BULLET STYLE 15.8 GAL. (60L) OPEN
Vendor Name	THE CONTAINER STORE
Vendor Item ID	10073138
Item UOM	EA
Marriott BOM Name	TBK-0096
Specification	REMOVABLE LID WITH BAG RING TO HIDE LINER, BRUSHED STAINLESS STEEL, FINGERPRINT RESISTANT FINISH, NON-SKID RUBBER FEET, DIM: 16" X 27"H

MANUFACTURER

Vendor Name: THE CONTAINER STORE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	TBK-0097A
Description	PLATE, RED MELAMINE, OPTIONAL FOR TOWNEPLACE SUITES
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	109866
Item UOM	CS
Marriott BOM Name	TBK-0097A
Specification	9" ROUND PLATE, NOTE: OPTION FOR PROPERTIES NOT USING DISPOSABLE PLATE OR GLASS IN BREAKFAST AREA

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	TBK-0100A
Description	CHILL-IT INSERT PAN-1/6 SIZE SQUARE BLACK;
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	262358
Item UOM	EA
Marriott BOM Name	TBK-0100A
Specification	ORDER SEPARATELY WITH CHILL-IT HOUSING TBK-0100 WASS #6006813;

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	WI-FBK-2002
Description	NAPKIN HOLDER, BAMBOO, 9-1/2" X 4-3/8" X 4"
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	775460
Item UOM	EA
Marriott BOM Name	WI-FBK-2002
Specification	FOR FAIRFIELD INN AND FAIRFIELD INN & SUITES BREAKFAST PROGRAM; HOLDS DINNER NAPKINS (FBK-2086)

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

TOWNEPLACE SUITES BY MARRIOTT

Towneplace Suites by Marriott
Public Space
New Build - All Generations
Operating Supplies and Equipment

FITNESS CENTER

and Renovation OS&E

Issue Date: May 30, 2023
Revision Date:

Marriott Item ID	HKL-6500
Description	TOWELS-WORKOUT,WHITE, 20 X 40
Vendor Name	WEST POINT HOME LLC
Vendor Item ID	7133197
Item UOM	DZ
Marriott BOM Name	HKL-6500
Specification	86/14 COTTON/POLY CAM BORDER, 6.06#;

MANUFACTURER

Vendor Name: WEST POINT HOME LLC
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKE-0085
Description	STEAM CLEANER COMPACT SG 4/4 VAPO HYDRO FUNCTION FOR
Vendor Name	WINDSOR INDUSTRIES INC
Vendor Item ID	1.092-805.0
Item UOM	EA
Marriott BOM Name	HKE-0085
Specification	STEAM CLEANING WITHOUT THE USE OF CHEMICALS; INCLUDES STEAM SUCTION HOSE WITH HANDLE; 2 STEAM TUBES, FLOOR NOZZLE, HAND NOZZLE, ROUND BRUSH, BLACK , UPHOLSTERY NOZZLE WITH BRUSH, POWER NOZZLE, POINT JET NOZZLE; VOLTAGE: 220-240V; 2300W HEATING OUTPUT; 4L TANK CAPACITY; 7.5M CORD LENGTH; 4 BAR STEAM PRESSURE, 8 KG WGT. INCLUDING ACCESSORIES; DIM: 475 X 320 X7 275 MM (L X W X H; NOTE: ORDER WITH TRANSPORT CART 6.962-239.0 (HKE-0085A)

MANUFACTURER

Vendor Name: WINDSOR INDUSTRIES INC
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKE-0085A
Description	CART TRANSPORT FOR STEAM CLEANER SG4/4 - TWO WHEEL
Vendor Name	WINDSOR INDUSTRIES INC
Vendor Item ID	6.962-239.0
Item UOM	EA
Marriott BOM Name	HKE-0085A
Specification	METAL, CHROME-PLATED WITH STORAGE TRAY; USE WITH COMPACT STEAM CLEANER SG 4/4 WINDSOR #1.092-805.0 (HKE-0085)

MANUFACTURER

Vendor Name: WINDSOR INDUSTRIES INC
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKE-2211
Description	VACUUMS-WINDSOR SENSOR XP (SRXP12); UPRIGHT, 12"
Vendor Name	WINDSOR INDUSTRIES INC
Vendor Item ID	1.012-611.0
Item UOM	EA
Marriott BOM Name	HKE-2211
Specification	

MANUFACTURER

Vendor Name: WINDSOR INDUSTRIES INC
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	HKE-2211C
Description	COVER FOR VACUUM - SENSOR 12" SOFTVAC, UPRIGHT
Vendor Name	WINDSOR INDUSTRIES INC
Vendor Item ID	8.625-413.0
Item UOM	EA
Marriott BOM Name	HKE-2211C
Specification	115V

MANUFACTURER

Vendor Name: WINDSOR INDUSTRIES INC
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKE-2212
Description	VACUUM BAGS, REPLACEMENT, FOR SENSOR MODEL VACUUMS
Vendor Name	WINDSOR INDUSTRIES INC
Vendor Item ID	9.840-643.0
Item UOM	CS
Marriott BOM Name	HKE-2212
Specification	10 BAGS/PACK; 25 PACKS/CASE (TOTAL 250 COUNT)

MANUFACTURER

Vendor Name: WINDSOR INDUSTRIES INC
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKE-2223
Description	VACUUM-WINDSOR VERSAMATIC 18 INCH UPRIGHT
Vendor Name	WINDSOR INDUSTRIES INC
Vendor Item ID	1.012-607.0
Item UOM	EA
Marriott BOM Name	HKE-2223
Specification	HEAVY DUTY, PUBLIC AREA VACUUM; INCLUDES 1 FILTER BAG. X-TRA BAGS ORDER HKE-2223B.

MANUFACTURER

Vendor Name: WINDSOR INDUSTRIES INC
Contact Name:
Phone:
Email:

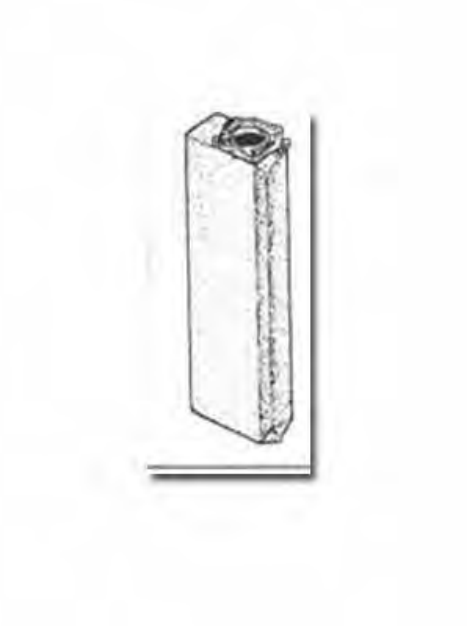
AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKE-2223B
Description	VACUUM BAGS- FOR VERSAMATIC VS14 & VS18
Vendor Name	WINDSOR INDUSTRIES INC
Vendor Item ID	8.600-046.0
Item UOM	PK
Marriott BOM Name	HKE-2223B
Specification	14 INCH & 18 INCH VACUUM: HKE-2201 & HKE-2223.



MANUFACTURER

Vendor Name: WINDSOR INDUSTRIES INC
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKE-3203
Description	CARPET CLEANER BRS 43/500C 115 V DELUXE iCAPSOL MINI 17"
Vendor Name	WINDSOR INDUSTRIES INC
Vendor Item ID	1.006-714.0
Item UOM	EA
Marriott BOM Name	HKE-3203
Specification	ENCAPSULATING INTERIM CARPET CLEANER

MANUFACTURER

Vendor Name: WINDSOR INDUSTRIES INC
Contact Name:
Phone:
Email:

AREAS

Public Space

TOWNEPLACE SUITES BY MARRIOTT

Towneplace Suites by Marriott
Public Space
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Operating Supplies and Equipment

FLOOR MAT

Revision 18

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKE-0057A
Description	FLOOR MAT, 3X5 FT. ANTI-FATIGUE COMFORT MAT, COLOR: BLACK
Vendor Name	MATWORKS
Vendor Item ID	
Item UOM	EA
Marriott BOM Name	HKE-0057A
Specification	MARBELIZED SMOOTH RUBBERIZED SURFACE PERMANENTLY FUSED TO A VINYL BASE. SURFACE HEIGHT 1/8", BACKING HEIGHT 3/8" TOTAL HEIGHT: 1/2"; FOR FLOOR PLACEMENT BEHIND CHECK-IN COUNTER; ALSO AVAILABLE IN SIZES 2X3 FT. & 4X6 FT.

MANUFACTURER

Vendor Name: MATWORKS
Contact Name:
Phone:
Email:

AREAS

Public Space

TOWNEPLACE SUITES BY MARRIOTT

Towneplace Suites by Marriott
Public Space
New Build - All Generations
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FLOOR MAT

Revision 18

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKE-0057B
Description	FLOOR MAT, 4X6 FT. ANTI-FATIGUE COMFORT MAT, COLOR: BLACK
Vendor Name	MATWORKS
Vendor Item ID	
Item UOM	EA
Marriott BOM Name	HKE-0057B
Specification	MARBELIZED SMOOTH RUBBERIZED SURFACE PERMANENTLY FUSED TO A VINYL BASE. SURFACE HEIGHT 1/8", BACKING HEIGHT 3/8" TOTAL HEIGHT: 1/2"; FOR FLOOR PLACEMENT BEHIND CHECK-IN COUNTER; ALSO AVAILABLE IN SIZES 3X5 FT. & 2X3 FT.

MANUFACTURER

Vendor Name: MATWORKS
Contact Name:
Phone:
Email:

AREAS

Public Space

TOWNEPLACE SUITES BY MARRIOTT

Towneplace Suites by Marriott
Public Space
New Build - All Generations
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FLOOR MAT

Revision 18

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKE-7200
Description	WALK OFF MAT-NO LOGO 3ft X 4ft
Vendor Name	MATWORKS
Vendor Item ID	
Item UOM	EA
Marriott BOM Name	HKE-7200
Specification	DRYSTEP, CHARCOAL COLOR (USED FOR SIDE ENTRANCES EXTERIOR OF HOTEL)

MANUFACTURER

Vendor Name: MATWORKS
Contact Name:
Phone:
Email:

AREAS

Public Space

TOWNEPLACE SUITES BY MARRIOTT

Towneplace Suites by Marriott
Public Space
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FLOOR MAT

Revision 18

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKE-7201
Description	WALK-OFF MAT-NO LOGO-3 FT X 5 FT
Vendor Name	MATWORKS
Vendor Item ID	123109-036060-661
Item UOM	EA
Marriott BOM Name	HKE-7201
Specification	DRYSTEP, CHARCOAL COLOR (USED FOR SIDE ENTRANCES EXTERIOR OF HOTEL)

MANUFACTURER

Vendor Name: MATWORKS
Contact Name:
Phone:
Email:

AREAS

Public Space

TOWNEPLACE SUITES BY MARRIOTT

Towneplace Suites by Marriott
Public Space
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FLOOR MAT

Revision 18

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKE-7202
Description	WALK OFF MAT-NO LOGO-4FT X 6FT
Vendor Name	MATWORKS
Vendor Item ID	1269109-048072-001
Item UOM	EA
Marriott BOM Name	HKE-7202
Specification	DRYSTEP, CHARCOAL COLOR (USED FOR SIDE ENTRANCES EXTERIOR OF HOTEL)

MANUFACTURER

Vendor Name: MATWORKS
Contact Name:
Phone:
Email:

AREAS

Public Space

TOWNEPLACE SUITES BY MARRIOTT

Towneplace Suites by Marriott
Public Space
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FLOOR MAT

Revision 18

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKE-7203
Description	WALK OFF MAT-NO LOGO-3FT X 20FT
Vendor Name	MATWORKS
Vendor Item ID	
Item UOM	EA
Marriott BOM Name	HKE-7203
Specification	DRYSTEP, CHARCOAL COLOR

MANUFACTURER

Vendor Name: MATWORKS
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	ADM-0007
Description	NAME BADGE KIT, @ TOWNEPLACE SUITES
Vendor Name	ID&C A DIVISION OF AVERY
Vendor Item ID	
Item UOM	KT
Marriott BOM Name	ADM-0007
Specification	WHITE ALUMINUM BADGES; STARTER KIT INCLUDES: 20 EACH .02" X 1" X 3" WHITE ALUMINUM BADGES; 20 ELEGANT DOME LENS COVERS; 20 PIN FASTENERS; 10 MAGNET FASTENERS; 5 BRAND LOGO PRE-PRINTED INSERT SHEETS; NAME PRINT GRAPHICS SOFTWARE; NOTE: SPECIFY PRINTER AS INK JET OR LASER UPON ORDERING.

MANUFACTURER

Vendor Name: ID&C A DIVISION OF AVERY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	ADM-0007A
Description	NAME BADGE REORDER KIT @, TOWNEPLACE SUITES
Vendor Name	ID&C A DIVISION OF AVERY
Vendor Item ID	
Item UOM	KT
Marriott BOM Name	ADM-0007A
Specification	WHITE ALUMINUM BADGES; REORDER KIT INCLUDES: 20 EACH: .02" X 1" X 3" WHITE ALUMINUM BADGES; 20 ELEGANT DOME LENS COVERS; 20 PIN FASTENERS; 10 MAGNETIC FASTENERS; 5 BRAND LOGO PRE-PRINTED INSERT SHEETS; NOTE: SPECIFY PRINTER AS INK JET OR LASER UPON ORDERING. **FOR USE W/STARTER KIT ADM-0007**

MANUFACTURER

Vendor Name: ID&C A DIVISION OF AVERY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	FOB-2009
Description	WHEELCHAIR, DMI 18" W/FOOT REST
Vendor Name	DIRECT SUPPLY HEALTHCARE EQUIPMENT
Vendor Item ID	43M23
Item UOM	EA
Marriott BOM Name	FOB-2009
Specification	DMI ULTRA LIGHTWEIGHT FOLDING TRANSPORT CHAIR, 18"W, 19" 26"W SEAT TO FLOOR, PADDED FIXED ARMS, REMOVABLE FOOTRESTS, HEALTHSMART 503-0658-0200 WEIGHT 41 LBS.

MANUFACTURER

Vendor Name: DIRECT SUPPLY HEALTHCARE EQUIPMENT
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	FOM-0113RS
Description	KEY CARD-GUESTROOM-TOWNEPLACE SUITES-RFID SAFELOK
Vendor Name	PLASTICARD LOCKTECH INTL
Vendor Item ID	TOW4-V6-1K
Item UOM	SLV
Marriott BOM Name	FOM-0113RS
Specification	FOR SAFELOK, ILCO, KABA, TESA, ONITY, NEXUS & MIWA SYSTEMS; RFID 1K TECHNOLOGY (AKA MIFARE OR MINI); FOR TOWNEPLACE SUITES HOTELS; MINIMUM ORDER 1000 CARDS

MANUFACTURER

Vendor Name: PLASTICARD LOCKTECH INTL
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	HKE-4411A
Description	LUGGAGE CART-STANDARD
Vendor Name	FORBES INDUSTRIES INC
Vendor Item ID	2431
Item UOM	EA
Marriott BOM Name	HKE-4411A
Specification	COLOR CHOICE: GREY CARPET AND GREY BUMPER; FRAME FINISH: SILVER POWDER-EPOXY; O/A DIM: 37"L X 21"W X 61.5"H; 5" WHEELS

MANUFACTURER

Vendor Name: FORBES INDUSTRIES INC
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKH-0009
Description	SHARPS SAFETY EQUIPMENT, 50 TO 200 ROOMS
Vendor Name	ECOLAB FOOD SAFETY SPECIALTIES INC
Vendor Item ID	EXP20462
Item UOM	KT
Marriott BOM Name	HKH-0009
Specification	**KIT SHIPS IN 5 BOXES CUST #19813; REQ. AT PROP FOR COLLECTION, PROTECTION, CLEAN-UP SHARPS&INFECTIOUS ITEMS. KIT INCLUDES: TWO GHS STATIONS BLOOD-BORNE PATHOGEN MANUAL; 1ST AID & BURN KIT W/METAL CS-LRG; PORTION BAG LOADING STAND; BX BAGS FOLD/ SADDLE 6.5"X7"-1000/BX; 2-GL SHARPS DISP. BY MAIL PKG/3 BIOHZRD TONGS; PK/12 SHARPS DISP. SCOOP CONES; PK/25 ISOWASH LINEN RECOVY BAGS; SHARPS CONT. BRKT WALL MNT; BIOHZRD DISP. KIT 1 GL BODILY FLUIDS KIT 2 PK

MANUFACTURER

Vendor Name: ECOLAB FOOD SAFETY SPECIALTIES INC
Contact Name:
Phone:
Email:

AREAS

Public Space

TOWNEPLACE SUITES BY MARRIOTT

Towneplace Suites by Marriott
Public Space
New Build - All Generations
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GUEST REQUEST

and Renovation OS&E

Issue Date: May 30, 2023
Revision Date:

Marriott Item ID	FOM-0004
Description	PLAYING CARDS TPS SOMETHING BORROWED PROGRAM 2.5" X 3.5"
Vendor Name	LOCAL PURCHASE ALLOWANCE
Vendor Item ID	850-0092
Item UOM	EA
Marriott BOM Name	FOM-0004
Specification	RED CARDS IN A FROSTED PLASTIC CASE WITH WHITE LETTERING "TOWNEPLACE SUITES" ON FRONT OF BOX

https://marriott.mybrightsites.com/

MANUFACTURER

Vendor Name: LOCAL PURCHASE ALLOWANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

TOWNEPLACE SUITES BY MARRIOTT

Towneplace Suites by Marriott
Public Space
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GUEST REQUEST

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Issue Date: May 30, 2023
Revision Date:

Marriott Item ID	FOM-0005
Description	UMBRELLA, TPS SOMETHING BORROWED PROGRAM 36" ARC FOLDING
Vendor Name	LOCAL PURCHASE ALLOWANCE
Vendor Item ID	850-0090
Item UOM	EA
Marriott BOM Name	FOM-0005
Specification	RED CANOPY WITH WHITE LETTERING "TOWNEPLACE SUITES/MARRIOTT"; FOLDS TO 14" LONG

https://marriott.mybrightsites.com/

MANUFACTURER

Vendor Name: LOCAL PURCHASE ALLOWANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

TOWNEPLACE SUITES BY MARRIOTT

Towneplace Suites by Marriott
Public Space
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GUEST REQUEST

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Issue Date: May 30, 2023
Revision Date:

Marriott Item ID	FOM-0027HD
Description	BLENDER 44 OZ. TPS SOMETHING BORROWED PROGRAM
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	120832
Item UOM	CS
Marriott BOM Name	FOM-0027HD
Specification	FULL SIZE HAMILTON BEACH POWER ELITE MULTIFUNCTION BLENDER MFG# 58148

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

TOWNEPLACE SUITES BY MARRIOTT

Towneplace Suites by Marriott
Public Space
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GUEST REQUEST

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Issue Date: May 30, 2023
Revision Date:

Marriott Item ID	FOM-0029HD
Description	MIXING BOWL 1.5 QT. TPS SOMETHING BORROWED PROGRAM HD S/S
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	572568
Item UOM	CS
Marriott BOM Name	FOM-0029HD
Specification	ROYAL INDUSTRIES, INC., MFR ITEM # K2GROYMIXBL15

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

TOWNEPLACE SUITES BY MARRIOTT

Towneplace Suites by Marriott
Public Space
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GUEST REQUEST

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Issue Date: May 30, 2023
Revision Date:

Marriott Item ID	FOM-0031HD
Description	MIXING BOWL 5 QT. TPS SOMETHING BORROWED PROGRAM HD S/S
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	572570
Item UOM	CS
Marriott BOM Name	FOM-0031HD
Specification	ROYAL INDUSTRIES, INC., MFR ITEM # ROYMIXBLHD5

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

TOWNEPLACE SUITES BY MARRIOTT

Towneplace Suites by Marriott
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Issue Date: May 30, 2023
Revision Date:

Marriott Item ID	FOM-1026
Description	SLOW COOKER TPS SOMETHING BORROWED PROGRAM 5 QT. W/LID
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	YBF17
Item UOM	EA
Marriott BOM Name	FOM-1026
Specification	HAMILTON BEACH

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

TOWNEPLACE SUITES BY MARRIOTT

Towneplace Suites by Marriott
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GUEST REQUEST

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Issue Date: May 30, 2023
Revision Date:

Marriott Item ID	FOM-1028
Description	RICE COOKER TPS SOMETHING BORROWED PROGRAM 2-14 CUP
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	180551
Item UOM	EA
Marriott BOM Name	FOM-1028
Specification	HAMILTON BEACH MFG #37548

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

TOWNEPLACE SUITES BY MARRIOTT

Towneplace Suites by Marriott
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Issue Date: May 30, 2023
Revision Date:

Marriott Item ID	FOM-1120
Description	UNO CARD GAME MATTEL CUSTOM W/ WILD CARD
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	ZED1C
Item UOM	EA
Marriott BOM Name	FOM-1120
Specification	mfg # HDJM15934 TPS SOMETHING BORROWED PROGRAM

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

TOWNEPLACE SUITES BY MARRIOTT

Towneplace Suites by Marriott
Public Space
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GUEST REQUEST

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Issue Date: May 30, 2023
Revision Date:

Marriott Item ID	FOM-1121
Description	SORRY! BOARD GAME HASBRO #HDJM15935
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	ZED20
Item UOM	EA
Marriott BOM Name	FOM-1121
Specification	TPS SOMETHING BORROWED PROGRAM

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

TOWNEPLACE SUITES BY MARRIOTT

Towneplace Suites by Marriott
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GUEST REQUEST

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Issue Date: May 30, 2023
Revision Date:

Marriott Item ID	FOM-1122
Description	SCRABBLE GAME MFG # HDJM15936
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	ZED22
Item UOM	EA
Marriott BOM Name	FOM-1122
Specification	TPS SOMETHING BORROWED PROGRAM

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

TOWNEPLACE SUITES BY MARRIOTT

Towneplace Suites by Marriott
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GUEST REQUEST

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Issue Date: May 30, 2023
Revision Date:

Marriott Item ID	HKB-0101HD
Description	TOOTHPASTE, COLGATE TOTAL, 0.75 OZ. TUBE
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	702844
Item UOM	CS
Marriott BOM Name	HKB-0101HD
Specification	Usage Note: available at the guests request COLGATE-PALMOLIVE CO., MFR ITEM # US05298A

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

TOWNEPLACE SUITES BY MARRIOTT

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and Renovation OS&E

Issue Date: May 30, 2023
Revision Date:

Marriott Item ID	HKB-0102HD
Description	TOOTHBRUSHES, COLGATE, INDIVIDUALLY WRAPPED
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	759704
Item UOM	PK
Marriott BOM Name	HKB-0102HD
Specification	ASSORTED COLORS; (COMPLIMENTARY FRONT DESK GUEST REQUEST ITEM) COLGATE-PALMOLIVE CO., MFR ITEM # 55501

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

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Towneplace Suites by Marriott
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Issue Date: May 30, 2023
Revision Date:

Marriott Item ID	HKB-1204HD
Description	MOUTHWASH, MINT, 1 OZ BTL
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	142367
Item UOM	CS
Marriott BOM Name	HKB-1204HD
Specification	MARIETTA CORPORATION, MFR ITEM # ACC030-00 NO LOGO, OPTIONAL CFRST ITEM

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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Issue Date: May 30, 2023
Revision Date:

Marriott Item ID	HKB-1205HD
Description	MENDING KIT, FOLDED U-SHAPE GENERIC
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	760014
Item UOM	CS
Marriott BOM Name	HKB-1205HD
Specification	NO LOGO, OPTIONAL CFRST ITEM

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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Issue Date: May 30, 2023
Revision Date:

Marriott Item ID	HKB-1206HD
Description	SHOWER CAP, CLEAR PLASTIC CAP, FROSTED CLEAR SACHET
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	202822
Item UOM	CS
Marriott BOM Name	HKB-1206HD
Specification	MARIETTA CORPORATION, MFR ITEM # CFRST005-00 NO LOGO, OPTIONAL CFRST ITEM

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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Issue Date: May 30, 2023
Revision Date:

Marriott Item ID	HKB-1207HD
Description	SHOE SHINE SPONGE, CARTON, BILINGUAL
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	716028
Item UOM	CS
Marriott BOM Name	HKB-1207HD
Specification	NO LOGO, OPTIONAL CFRST ITEM MARIETTA CORPORATION, MFR ITEM # CFRST006-01

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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Issue Date: May 30, 2023
Revision Date:

Marriott Item ID	HKB-1208HD
Description	VANITY KIT, 2 COTTON BALLS, 2 Q-TIPS, 1 EMERY BOARD
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	103488
Item UOM	CS
Marriott BOM Name	HKB-1208HD
Specification	HUNTER AMENITIES

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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Issue Date: May 30, 2023
Revision Date:

Marriott Item ID	HKB-1210HD
Description	SHAVE KIT, CONTAINS 1 RAZOR
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	142364
Item UOM	CS
Marriott BOM Name	HKB-1210HD
Specification	& 1 SHAVING CREAM IN A CARTON, NO LOGO, OPTIONAL CFRST ITEM MARIETTA CORPORATION, MFR ITEM # CFRST017-01

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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Issue Date: May 30, 2023
Revision Date:

Marriott Item ID	HKB-5547HD
Description	DEODORANT, MENS, .5 OZ. OLD SPICE PURE SPORT ANTIPERSPIRANT
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	197942
Item UOM	CS
Marriott BOM Name	HKB-5547HD
Specification	AND DEODORANT; NOTE: FRONT DESK GUEST REQUEST ITEM. PROCTER & GAMBLE, MFR ITEM # 001204400162

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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Issue Date: May 30, 2023
Revision Date:

Marriott Item ID	HKB-5548HD
Description	COMB, BLACK, 5", PLASTIC, INDIVIDUALLY WRAPPED
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	112181
Item UOM	CS
Marriott BOM Name	HKB-5548HD
Specification	COMPLIMENTARY FRONT DESK GUEST REQUEST ITEM; MFR ITEM # 1111066

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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Issue Date: May 30, 2023
Revision Date:

Marriott Item ID	HKM-3132
Description	AIR MATTRESS, TWIN SIZE, INTEX MID RISE, BUILT IN PUMP
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	A1D4V
Item UOM	EA
Marriott BOM Name	HKM-3132
Specification	13" HEIGHT; SELF-INFLATING; COMFORT PLUSH

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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Issue Date: May 30, 2023
Revision Date:

Marriott Item ID	HKM-5549HD
Description	TAMPONS, TAMPAX
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	117331
Item UOM	CS
Marriott BOM Name	HKM-5549HD
Specification	VENDING MACHINE SUPPLY PROCTER & GAMBLE, MFR ITEM # 007301002500

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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Issue Date: May 30, 2023
Revision Date:

Marriott Item ID	HKM-5550HD
Description	MAXI PADS, NATURELLE PLUS WITH WINGS
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	117333
Item UOM	CS
Marriott BOM Name	HKM-5550HD
Specification	IMPACT PRODUCTS INC., MFR ITEM # 25189973

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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Issue Date: May 30, 2023
Revision Date:

Marriott Item ID	HKR-00058HD
Description	BATHROOM SCALE TAYLOR PRECISION CLEAR GLASS
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	158308
Item UOM	EA
Marriott BOM Name	HKR-00058HD
Specification	WITH CHROME ACCENT BASE; LITHIUM-ION BATTERY; DIGITAL READOUT ON 1.5" LCD SCREEN; 400 LB. CAPACITY; THE REGISTRY SQUARE 6MM TEMPERED GLASS FEATURES WHITE BACKLIT LCD DISPLAY, ALONG WITH AUTO STEP ON AND OFF. SHOWCASES WEIGHT IN LBS. AND KG. MAXIMUM WEIGHT IS 400 LBS OR 200KG. INCLUDES MANUAL IN ENGLISH AND 2 AAA BATTERIES. TAYLOR PRECISION, MFR ITEM # 75064192 AMERICAN HOTEL REGISTER CO., MFR ITEM # 1093633 USAGE: FITNESS CENTER SCALE, REQUIRED ITEM FOR RESIDENCE INN & TOWNEPLACE SUITES, OPTIONAL ITEM FOR COURTYARD, FAIRFIELD & SPRINGHILL. ALOFT AND ELEMENT Usage Note: GUEST REQUEST item. Quantities purchased at owner/operators discretion

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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Issue Date: May 30, 2023
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Marriott Item ID	HKR-1671
Description	ROLL AWAY BEDS-MOBILE SLEEPER TWIN SIZE 78"H X 40"W
Vendor Name	SICO AMERICA INC
Vendor Item ID	BMS22TP
Item UOM	EA
Marriott BOM Name	HKR-1671
Specification	MATTRESS: 7.5" x 37 1/2 x 74; FIRE RETARDANT AND SPILL/STAIN REPELLANT VINYL TICKING; WITH 4" FOUNDATION VINYL WRAPPED STEEL; PORT COLOR; 3" CASTERS; 21.5" HEADBOARD; TWO VELCRO VINYL STRAPS HOLD MATTRESS TO FRAME.

MANUFACTURER

Vendor Name: SICO AMERICA INC
Contact Name:
Phone:
Email:

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Issue Date: May 30, 2023
Revision Date:

Marriott Item ID	WI-HKB-5547AHD
Description	DEODORANT, WOMEN, GILLETE SECRET INVISIBLE, POWDER FRESH
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	197941
Item UOM	CS
Marriott BOM Name	WI-HKB-5547AHD
Specification	Usage Note: available at the guests request PROCTER & GAMBLE, MFR ITEM # 003700031384

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	ACH-0032HD
Description	HAIR DRYER, HAND HELD, ANDIS, BLACK, FULL SIZE
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	503026
Item UOM	EA
Marriott BOM Name	ACH-0032HD
Specification	1875 WATTS, LIGHTWEIGHT, TWO SPEED SETTINGS, ONE HEAT SETTING & COOL SHOT BUTTON, REMOVABLE AIR-INTAKE FILTER, COILED CORD & HANGER LOOP. ANDIS COMPANY, MFR ITEM # 80655 NON-RETRACTABLE HAIR DRYER OPTION

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	ADS-5237
Description	LABELS-FOR SOFA BED
Vendor Name	RR DONNELLEY & SONS COMPANY
Vendor Item ID	MB00016
Item UOM	PK
Marriott BOM Name	ADS-5237
Specification	PRINTED IN BLACK, NO LOGO, FOR LINENS IN CLOSET

MANUFACTURER

Vendor Name: RR DONNELLEY & SONS COMPANY
Contact Name:
Phone:
Email:

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Marriott Item ID	HK-0052
Description	TEA BAGS-BIGELOW ENGLISH TEA TIME
Vendor Name	LOCAL MASTER DISTRIBUTOR ALLOWANCE
Vendor Item ID	
Item UOM	CS
Marriott BOM Name	HK-0052
Specification	

MANUFACTURER

Vendor Name: LOCAL MASTER DISTRIBUTOR ALLOWANCE
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HK-1600HD
Description	FACIAL TISSUE-CUBE BOX-KLEENEX NATURALS BOUTIQUE
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	778907
Item UOM	CS
Marriott BOM Name	HK-1600HD
Specification	WHITE, 95 SHEETS/BOX; 20% POST CONSUMER WASTE KIMBERLY-CLARK, MFR ITEM # 21272

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HK-1610AHD
Description	SURPASS SIGNAL FACIAL TISSUE,
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	778913
Item UOM	CS
Marriott BOM Name	HK-1610AHD
Specification	WHITE, FLAT BOX, 125 SHEETS/BOX, KIMBERLY-CLARK, MFR ITEM # 21390

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HK-1620HD
Description	KLEENEX COTTONELLE BATH TISSUE
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	502099
Item UOM	CS
Marriott BOM Name	HK-1620HD
Specification	WHITE, 4.06L" X 4.09W 2PLY, 505 SHEETS/ROLL KIMBERLY-CLARK, MFR ITEM # 17713

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HK-7301
Description	COFFEE MAKER, IN ROOM, ONE CUP, CV1
Vendor Name	COURTESY PRODUCTS LLC
Vendor Item ID	15180
Item UOM	EA
Marriott BOM Name	HK-7301
Specification	CV1 MODEL; PRODUCT SIZE: 8.5"H X 8.5"L X 4.5"W, BLACK COLOR, 500W, DISPOSABLE BREW BASKET WITH COFFEE, NO CARAFE, BREWS DIRECTLY INTO DISPOSABLE CUP. ORDER IN MULTIPLES OF 6 NOTE: FOR USE WITH COURTESY COFFEE PROGRAM (AL-0018A). THIS ITEM IS NO CHARGE WHEN USING COURTESY COFFEE PROGRAM. REPLACEMENT PRICE IS $107.94 FOR A CASE OF 6 UNITS. FOR BRANDS: SPRINGHILL, FAIRFIELD, TOWNPLACE, COURTYARD

MANUFACTURER

Vendor Name: COURTESY PRODUCTS LLC
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HK-7392AHD
Description	DISH SOAP, LIQUID, PALMOLIVE
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	114820
Item UOM	CS
Marriott BOM Name	HK-7392AHD
Specification	3 OZ. BOTTLE; NOTE: FOR ELEMENT, MVCI, RINN, & TWNP GUESTROOMS ESSENDANT, MFR ITEM # CPC01417

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HK-7392HD
Description	AUTOMATIC DISHWASHER DETERGENT
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	114809
Item UOM	CS
Marriott BOM Name	HK-7392HD
Specification	INTEGRITY PRODUCTS, INC, MFR ITEM # 59002 CITRA SENSE ONE-STEP W/BUILT-IN RINSING AGENT.

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKA-0003HD
Description	ALARM CLOCK iHOME BEDSIDE SINGLE DAY COLOR: BLACK GUESTROOMS
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	109252
Item UOM	EA
Marriott BOM Name	HKA-0003HD
Specification	HTI INDUSTRIES LLC, MFR ITEM # HIH50B USAGE NOTE: ALARM CLOCKS ARE OPTIONAL IF BEDSIDE POWER IS AVAILABLE TO GUEST WITHOUT AN ALARM CLOCK.

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKA-1566
Description	ALARM CLOCK BRANDSTAND CUBIEBLUE USB BLUETOOTH
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	305616
Item UOM	EA
Marriott BOM Name	HKA-1566
Specification	Mfg #BPEBL. 0.9" White LED Display With Adjustable Brightness Black, Single Day Alarm, Battery Backup, Two AAA Batteries Included, Two 2.4 Amps Shared USB Charging Ports And Two Tamper-Resistant Power Outlets, Bluetooth Enabled USAGE NOTE: ALARM CLOCKS ARE OPTIONAL IF BEDSIDE POWER IS AVAILABLE TO GUEST WITHOUT AN ALARM CLOCK

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKA-5791HD
Description	HAIR DRYER, HAND HELD, 1875 WATTS RETRACTABLE CORD
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	700106
Item UOM	EA
Marriott BOM Name	HKA-5791HD
Specification	HAMILTON BEACH 1875 WATT BLACK, 3 SPEEDS AND 3 HEAT SETTINGS, BUTTON RETRACTABLE CORD, MFG #HHD600

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKA-5796EHD
Description	BAG FOR HAIRDRYER
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	758181
Item UOM	EA
Marriott BOM Name	HKA-5796EHD
Specification	STORAGE BAG WITH DRAWSTRING, FLAME RETARDANT, 100% COTTON TWILL FABRIC "HAIRDRYER" IN WHITE STITCHING 11.25" X 11.75", BLACK MFR ITEM # 30050

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKB-0504
Description	TISSUE COVER, PATTERN: NASSAU COLOR: ICE, 5.25" SQ. X 5.75"H
Vendor Name	FRONT OF THE HOUSE
Vendor Item ID	RTB007FRR11
Item UOM	EA
Marriott BOM Name	HKB-0504
Specification	TRANSLUCENT RESIN W/LOOK OF SEA GLASS & SCRATCH-RESISTANT COATING. CONFIRM IF NEEDED; SPRING HILL SUITES MAY ALREADY HAVE BUILT IN TISSUE COVER IN BATHROOM VANITY

MANUFACTURER

Vendor Name: FRONT OF THE HOUSE
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKB-1135
Description	SOAP BAR FLOW WRAP UNIVERSAL .72OZ CFRST MARIETTA
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	159247
Item UOM	CS
Marriott BOM Name	HKB-1135
Specification	

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKB-1136
Description	LOTION MOISTURIZING .70 OZ CFRST MARIETTA
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	204616
Item UOM	CS
Marriott BOM Name	HKB-1136
Specification	USAGE NOTE: OPTIONAL ITEM FOR CFRST GUESTROOMS

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKB-1137
Description	BODY WASH ALICE MARRIOTT 360ML
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	159471
Item UOM	CS
Marriott BOM Name	HKB-1137
Specification	

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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Marriott Item ID	HKB-1138
Description	CONDITIONER ALICE MARRIOTT 360ML
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	159249
Item UOM	CS
Marriott BOM Name	HKB-1138
Specification	

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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Marriott Item ID	HKB-1139
Description	SHAMPOO ALICE MARRIOTT 360ML
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	159248
Item UOM	CS
Marriott BOM Name	HKB-1139
Specification	

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKB-1583
Description	READY CARE DOVELOK MOUNTING TEMPLATE FOR SHOWER
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	158280
Item UOM	EA
Marriott BOM Name	HKB-1583
Specification	BOTTLE DISPENSERS ORDER 1 PER ENGINEER/INSTALLER

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKB-1584
Description	BRACKET DOVELOCK, WHITE, READY CARE
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	158277
Item UOM	EA
Marriott BOM Name	HKB-1584
Specification	USAGE NOTE: 3 PER ROOM PLUS 3-5% ATTIC STOCK

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

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TOWNEPLACE SUITES BY MARRIOTT

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKB-5507
Description	SOAP DISH, SQUARE, 4" X .5"H, PATTERN: NASSAU, COLOR: ICE,
Vendor Name	FRONT OF THE HOUSE
Vendor Item ID	RSD008FRR13
Item UOM	EA
Marriott BOM Name	HKB-5507
Specification	TRANSLUCENT RESIN W/LOOK OF SEA GLASS & SCRATCH-RESISTANT COATING.

MANUFACTURER

Vendor Name: FRONT OF THE HOUSE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKC-2011
Description	LUGGAGE RACK-800-SH-EP-SILVER
Vendor Name	FORBES INDUSTRIES INC
Vendor Item ID	800-SH-EP
Item UOM	EA
Marriott BOM Name	HKC-2011
Specification	FINISH; HEAVY GUAGE STEEL TUBING, NON-MARKING BUMPERS, BACKGUARD, BLACK POLYPROPYLENE STRAPS; 8 EACH/CASE (WILL BREAK CASE) **REQUIRED FOR CY & SHS** **NOTE: MAY BE ORDERED BY FF&E, CHECK BEFORE PLACING ORDER**

MANUFACTURER

Vendor Name: FORBES INDUSTRIES INC
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKC-2023HD
Description	HANGERS-WOMENS-OPEN HOOK-DARK WOOD-BRASS HARDWARE
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	759275
Item UOM	PK
Marriott BOM Name	HKC-2023HD
Specification	17" CONTOURED, W/NOTCHES & 2 MOVABLE CLIPS,BRASS FINISH HARDWARE, AMERICAN HOTEL REGISTER CO., MFR ITEM # L7KS3MA-WO-B

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKC-2024HD
Description	HANGERS-MENS-OPEN HOOK-DARK WOOD-BRASS HARDWARE
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	759270
Item UOM	PK
Marriott BOM Name	HKC-2024HD
Specification	17" CONTOURED, TROUSER BAR & BRASS FINISH HARDWARE,

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	HKC-2027
Description	HANGERS-MENS-MAHOGANY-CHROME HARDWARE
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	204168
Item UOM	PK
Marriott BOM Name	HKC-2027
Specification	

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKC-2028
Description	HANGERS-WOMENS-MAHOGANY-CHROME HARDWARE
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	204171
Item UOM	PK
Marriott BOM Name	HKC-2028
Specification	

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKL-4115AHD
Description	KITCHEN TOWEL-15"X24"-TAUPE
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	761376
Item UOM	PK
Marriott BOM Name	HKL-4115AHD
Specification	CHECK PATTERN ON NATURAL BACKGROUND, FOR GUEST ROOM JOHN RITZENTHALER COMPANY, MFR ITEM # 13298 USAGE NOTE: 2 PER ROOM

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKL-4116HD
Description	DISHCLOTHS, 12" X 12", NATURAL
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	761375
Item UOM	PK
Marriott BOM Name	HKL-4116HD
Specification	WITH TAUPE CHECK PATTERN JOHN RITZENTHALER COMPANY, MFR ITEM # 23298 USAGE NOTE: 1 PER ROOM

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKL-4117HD
Description	POT HOLDERS, 7" X 7", NATURAL
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	761377
Item UOM	PKG
Marriott BOM Name	HKL-4117HD
Specification	WITH TAUPE CHECK PATTERN; BRAND STANDARD IS 2 POTHOLDERS PER SUITE. JOHN RITZENTHALER COMPANY, MFR ITEM # 035398

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	HKM-6003
Description	LID FOR COFFEE CUP, 12 OZ. DISPOSABLE
Vendor Name	COURTESY PRODUCTS LLC
Vendor Item ID	60002063
Item UOM	CS
Marriott BOM Name	HKM-6003
Specification	WHITE POLYPROPYLENE; GOES WITH DISPOSABLE CUP 15313 (HKM-6002)

MANUFACTURER

Vendor Name: COURTESY PRODUCTS LLC
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKM-6028
Description	COLD CUP DISPOSABLE, 10 OZ. INDIVIDUALLY WRAPPED CLEAR
Vendor Name	COURTESY PRODUCTS LLC
Vendor Item ID	60001989
Item UOM	CS
Marriott BOM Name	HKM-6028
Specification	POLYPROPYLENE

MANUFACTURER

Vendor Name: COURTESY PRODUCTS LLC
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	HKM-6030
Description	CAFE VALET RAINFOREST BLEND ONE- CUP COFFEE- REGULAR
Vendor Name	COURTESY PRODUCTS LLC
Vendor Item ID	60001994
Item UOM	CS
Marriott BOM Name	HKM-6030
Specification	ONE- CUP COFFEE- REG FOR CFRST BRANDS

MANUFACTURER

Vendor Name: COURTESY PRODUCTS LLC
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKM-6031
Description	CAFE VALET RAINFOREST BLEND ONE- CUP COFFEE DECAFFEINATED
Vendor Name	COURTESY PRODUCTS LLC
Vendor Item ID	60001995
Item UOM	CS
Marriott BOM Name	HKM-6031
Specification	ONE- CUP COFFEE-DECAF FOR CFRST BRANDS

MANUFACTURER

Vendor Name: COURTESY PRODUCTS LLC
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKM-6031A
Description	CAFE VALET ONE CUP CONDIMENT PK WITH WOOD STIR STICK
Vendor Name	COURTESY PRODUCTS LLC
Vendor Item ID	60002095
Item UOM	CS
Marriott BOM Name	HKM-6031A
Specification	INCLUDES: ONE-SERVING PACK NON-DAIRY CREAMER SUGAR ARTIFICIAL SWEETENER WOODEN STIR STICK

MANUFACTURER

Vendor Name: COURTESY PRODUCTS LLC
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	HKM-6050
Description	TWININGS EARL GREY TEA BAGS
Vendor Name	COURTESY PRODUCTS LLC
Vendor Item ID	60002172
Item UOM	CS
Marriott BOM Name	HKM-6050
Specification	

MANUFACTURER

Vendor Name: COURTESY PRODUCTS LLC
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	HKM-6051
Description	TWININGS ENGLISH BREAKFAST DECAF TEA BAGS
Vendor Name	COURTESY PRODUCTS LLC
Vendor Item ID	60002173
Item UOM	CS
Marriott BOM Name	HKM-6051
Specification	

MANUFACTURER

Vendor Name: COURTESY PRODUCTS LLC
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKM-6052
Description	COFFEE CUP SLEEVE
Vendor Name	COURTESY PRODUCTS LLC
Vendor Item ID	60001922
Item UOM	CS
Marriott BOM Name	HKM-6052
Specification	RECYCLABLE, COMPOSTABLE & BIODEGRADABLE

MANUFACTURER

Vendor Name: COURTESY PRODUCTS LLC
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	HKM-6053
Description	COFFEE CUP 10 OZ WHITE PCF, WRAPPED
Vendor Name	COURTESY PRODUCTS LLC
Vendor Item ID	60002092
Item UOM	CS
Marriott BOM Name	HKM-6053
Specification	

MANUFACTURER

Vendor Name: COURTESY PRODUCTS LLC
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKP-1430
Description	BOOK OF MORMON-ENGLISH LANGUAGE EDITION
Vendor Name	LDS SALT LAKE DISTRIBUTION CENTER
Vendor Item ID	MISSION EDITION-ENGLISH
Item UOM	CS
Marriott BOM Name	HKP-1430
Specification	ENGLISH, LEAD TIME 7 DAYS, FOREIGN-3 TO 4 WEEKS, NO CHARGE ITEM

MANUFACTURER

Vendor Name: LDS SALT LAKE DISTRIBUTION CENTER
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKP-1440
Description	BOOKS-GIDEON BIBLE
Vendor Name	GIDEONS INTERNATIONAL
Vendor Item ID	
Item UOM	EA
Marriott BOM Name	HKP-1440
Specification	NO CHARGE ITEM

MANUFACTURER

Vendor Name: GIDEONS INTERNATIONAL
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	HKP-1440C
Description	BOOK-BIBLE (FOR CANADIAN PROPERTY)
Vendor Name	GIDEONS INTERNATIONAL IN CANADA
Vendor Item ID	S 1135
Item UOM	EA
Marriott BOM Name	HKP-1440C
Specification	NO CHARGE ITEM

MANUFACTURER

Vendor Name: GIDEONS INTERNATIONAL IN CANADA
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKR-1101HD
Description	WASTEBASKET, RECYCLE BLACK CORDOBA MODEL W/BLACK STITCHING
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	144333
Item UOM	CS
Marriott BOM Name	HKR-1101HD
Specification	OUTER BIN IS CUSTOM BRUSHED VINYL; DIMENSIONS: 13.75" X 8.75" X 11.5"; NOTE: RECYCLE LINERS ARE NOT INCLUDED - MUST BE ORDERED SEPARATELY; TO ORDER RECYCLE INSERT LINERS: 1 BLUE W/RECYCLE MOBIUS & 1 BLACK USE ITEM #1030873 (HKR-1126B). TO ORDER RECYCLE INSERT LINERS: 2 BLACK - ONE WITH RECYCLE MOBIUS USE ITEM #1099770 (HKR-1102A). ERWYN PRODUCTS CO. INC., MFR ITEM # 68690

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKR-1102AHD
Description	WASTEBASKET LINERS, BLACK RECYCLE SETS F/GSTRM WASTEBASKET,
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	144335
Item UOM	CS
Marriott BOM Name	HKR-1102AHD
Specification	SET CONTAINS 2 BLACK INSERTS: 1 FOR RECYCLING W/MOBIUS; 1 BLACK INSERT WITHOUT RECYCLE MOBIUS FOR TRASH; NOTE: ORDER WITH WASTEBASKET HKR-1101 ERWYN PRODUCTS CO. INC., MFR ITEM # 68690L

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKR-1289HD
Description	PEN, GUESTROOM ROUND STIC TOWNPLACE SUITES
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	760713
Item UOM	CS
Marriott BOM Name	HKR-1289HD
Specification	CLEAR BARREL, GREY CAP & ACCENTS, RED LOGOED TAGLINE TOWNEPLACE SUITES BY MARRIOTT; BLACK INK BIC CORPORATION & NORWOOD PROM, MFR ITEM # Y142 TOWNEPLACE

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKR-5434HD
Description	LAUNDRY BAG, TOWNEPLACE SUITES
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	144634
Item UOM	CS
Marriott BOM Name	HKR-5434HD
Specification	LOGO POLY-PAK INDUSTRIES, MFR ITEM # TOWNEPLACE2019

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	SUW-7441
Description	TOASTER, HAMILTON BEACH, PROCTOR-SILEX, 2 SLICE, BLACK
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6104992
Item UOM	EA
Marriott BOM Name	SUW-7441
Specification	NOTE: ORDER SEPARATELY FOR RI AND TPS GUESTROOM HOUSEWARES PACKAGE

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	SUW-7442
Description	PAN, SAUTE, 10", ALUMINUM ALLOY, FOR RI AND TPS COOKWARE
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6097436
Item UOM	EA
Marriott BOM Name	SUW-7442
Specification	NOTE: ORDER SEPARATELY FOR RI AND TPS GUESTROOM HOUSEWARES PACKAGE

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	SUW-7443
Description	POT, STOCK, 6QT W/LID, NON STICK, FOR RI AND TPS COOKWARE
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6097437
Item UOM	EA
Marriott BOM Name	SUW-7443
Specification	ALUMINUM ALLOY, HEAVY GAUGE NOTE: ORDER SEPARATELY FOR RI AND TPS GUESTROOM HOUSEWARES PACKAGE

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	SUW-7444
Description	PAN, SAUCE, 2QT W/LID, NON STICK, FOR RI AND TPS COOKWARE
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6097438
Item UOM	EA
Marriott BOM Name	SUW-7444
Specification	ALUMINUM ALLOY-HEAVY GAGUE NOTE: ORDER SEPARATELY FOR RI AND TPS GUESTROOM HOUSEWARES PACKAGE

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	SUW-8400T
Description	HOUSEWARES PACKAGE, TWNP, STUDIO/1 BEDROOM
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	
Item UOM	EA
Marriott BOM Name	SUW-8400T
Specification	TOWNEPLACE SUITES; APPLIANCES ARE BLACK; CONTENTS OF HOUSEWARES PACKAGE ARE AS FOLLOWS: MICROWAVE SAUCEPAN-1 QUART; CORKSCREW; BOTTLE OPENER; BASKET-OBLONG; STORAGE BOWL-1 CUP, 4 CUP, 7 CUP; PEELER; MEASURING CUP-PLASTIC; MEASURING SPOON SET; CAN OPENER; SOLID SPOON; SLOTTED TURNER; CUTTING BOARD-9 X 15; KNIFE-5" UTILITY, 3" PARING; COLANDER; ICE BIN; WASTEBASKET-5.5 GAL; ICE CUBE TRAY; IRON-RETRACTABLE CORD; IRONING BOARD-ADJUSTABLE HEIGHT TO 53"; WASTEBASKET-8 QUART; SILVERWARE TRAY; PAPER TOWEL HOLDER; COOKIE SHEET - 15 X 10 - NON STICK

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	SUW-8401T
Description	HOUSEWARES PACKAGE, TWNP, 2 BEDROOM, TOWNEPLACE SUITES
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	
Item UOM	EA
Marriott BOM Name	SUW-8401T
Specification	TOWNEPLACE SUITES; APPLIANCES ARE BLACK; CONTENTS OF HOUSEWARES PACKAGE ARE AS FOLLOWS: MICROWAVE SAUCEPAN-1 QUART; CORKSCREW; BOTTLE OPENER; BASKET-OBLONG; STORAGE BOWL-1 CUP, 4 CUP, 7 CUP; PEELER; MEASURING SPOON SET; CAN OPENER; SOLID SPOON; SLOTTED TURNER; CUTTING BOARD-9 X 15; KNIFE-5" UTILITY, 3" PARING; COLANDER; ICE BIN; WASTEBASKET-5.5 GAL; ICE CUBE TRAY; IRON-RETRACTABLE CORD; IRONING BOARD-ADJUSTABLE HEIGHT TO 53"; WASTEBASKET-8 QUART: 2 EA; SILVERWARE TRAY; PAPER TOWEL HOLDER; COOKIE SHEET- 15 X 10, NON STICK: 2 EA

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	SUW-8403
Description	ORGANIZER-IRONING-WHITE PLASTIC 15" HOLDS IRON & BOARD
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	101493
Item UOM	EA
Marriott BOM Name	SUW-8403
Specification	MFG. RUBBERMAID FG245506WHT (INCLUDED IN RESIDENCE INN HOUSEWARES PACKAGE) USAGE FOR TPS: ADD AS NEEDED.

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	SUW-8425
Description	GLASSWARE-BEVERAGE, 12 OZ.
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	543247
Item UOM	CS
Marriott BOM Name	SUW-8425
Specification	LIBBEY RESTAURANT BASICS DURATUFF; (FOR GUESTROOM, NOT INCLUDED IN HOUSEWARES PACKAGE) FOR FRST BRANDS: REQUIRED FOR RI- OPTIONAL FOR OTHERS 4 PER GUESTROOM KITCHEN

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	SUW-8455C
Description	FORK DINNER WORLD TABLEWARE 145 030 PATTERN: WELLINGTON
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	127442
Item UOM	DZ
Marriott BOM Name	SUW-8455C
Specification	18/10 S/S; NOTE: FOR TOWNEPLACE SUITES - NOT INCLUDED IN HOUSEWARES PACKAGE

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	SUW-8456A
Description	KNIFE DINNER WORLD TABLEWARE 145 5262 PATTERN: WELLINGTON
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	127445
Item UOM	DZ
Marriott BOM Name	SUW-8456A
Specification	18/10 S/S; NOTE: FOR TOWNEPLACE SUITES - NOT INCLUDED IN HOUSEWARES PACKAGE

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	SUW-8457B
Description	TEASPOON 6" WORLD TABLEWARE 145 001 PATTERN: WELLINGTON
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	127444
Item UOM	DZ
Marriott BOM Name	SUW-8457B
Specification	18/10 S/S; NOTE: FOR TOWNEPLACE GUESTROOM, NOT INCLUDED IN HOUSEWARES PACKAGE

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	SUW-8458
Description	BASKET-LAUNDRY-WHITE
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	106312
Item UOM	EA
Marriott BOM Name	SUW-8458
Specification	MFG. STERLITE; DIM: 22.5" X 16.25" X 10.75" (NOT INCLUDED IN HOUSEWARES PACKAGE) **OPTIONAL**

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	SUW-8467
Description	MEASURE-1 PINT-PYREX GLASS
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	134209
Item UOM	EA
Marriott BOM Name	SUW-8467
Specification	(INCLUDED IN HW PACKAGE) **OPTIONAL**

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	SUW-8473
Description	KNIFE, STEAK, (OPTIONAL) 5", PULSAR II
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	123793
Item UOM	EA
Marriott BOM Name	SUW-8473
Specification	OPTIONAL UPGRADE FOR HOUSEWARES PACKAGES

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	SUW-8474
Description	GLASSWARE-WINE GLASS, 8 OZ., CITATION
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	400513
Item UOM	CS
Marriott BOM Name	SUW-8474
Specification	OPTIONAL FOR TPS HOUSEWARES PACKAGE

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	SUW-8506HD
Description	SPONGE MINI SCRUB MOMMY GUESTROOM KITCHEN RINN & TPS
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	157692
Item UOM	CS
Marriott BOM Name	SUW-8506HD
Specification	MFG SCRUB DADDY INC, MFR ITEM # SMMM1CTX120 DUAL SIDED SCRUB SPONGE WITH PINK FLEX TEXTURE SIDE AND YELLOW RESO-FOAM SIDE; 3.937" DIAMETER X 0.984" H; SMILEY FACE DESIGN; GTIN: 00858797007364; MFG. SCRUB DADDY INC. PRODUCED FOR MARRIOTT RESIDENCE INN AND TOWNEPLACE SUITES GUESTROOM KITCHENS; MAY BE REMOVED BY GUEST AS SOUVENIR ITEM.

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	SUW-8507HD
Description	SALT & PEPPER SHAKER DISPOSABLE GUESTROOM KITCHEN RINN & TPS
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	150876
Item UOM	PK
Marriott BOM Name	SUW-8507HD
Specification	TRADEX INC., MFR ITEM # SPS-700 ONE SALT & ONE PEPPER SHAKER WITH WHITE PLASTIC HOLDER/WRAPPER; FOR MARRIOTT RESIDENCE INN AND TOWNEPLACE SUITES GUESTROOM KITCHENS;

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	SUW-8511
Description	DINNER PLATE 10-1/2" PORCELANA WORLD TABLEWARE 840-438R-10
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	668081
Item UOM	CS
Marriott BOM Name	SUW-8511
Specification	WHITE

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	SUW-8512
Description	SALAD PLATE 7-1/4" PORCELANA WORLD TABLE WARE 840-420R-24
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	127360
Item UOM	CS
Marriott BOM Name	SUW-8512
Specification	WHITE

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	SUW-8513
Description	BOWL NAPPIE 15 OZ. 5-5/8" PORCELAIN WHITE ULTIMA
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	668055
Item UOM	CS
Marriott BOM Name	SUW-8513
Specification	WORLD TABLEWARE INC 840-360-009

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	SUW-8514
Description	MUG 12 OZ. SEYGO PATTERN WORLD TABLEWARE INC SYM-12
Vendor Name	WASSERSTROM COMPANY
Vendor Item ID	6018634
Item UOM	CS
Marriott BOM Name	SUW-8514
Specification	WHITE HANDLED

MANUFACTURER

Vendor Name: WASSERSTROM COMPANY
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	WI-HKB-2401
Description	BASKET FOR COFFEE SUPPLIES WIRE BLACK 5" X 12"
Vendor Name	COURTESY PRODUCTS LLC
Vendor Item ID	15217
Item UOM	CS
Marriott BOM Name	WI-HKB-2401
Specification	OBLONG SHAPED BASKET FOR IN-ROOM COFFEE ITEM PRESENTATION; NOTE: MUST BE ORDERED IN MULTIPLES OF 12 FOR USE WITH COURTESY COFFEE

MANUFACTURER

Vendor Name: COURTESY PRODUCTS LLC
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HK-0062HD
Description	PAPER TOWELS SCOTT C-FOLD WHITE, 200 SHEETS EACH
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	290496
Item UOM	CTN
Marriott BOM Name	HK-0062HD
Specification	CONTAINS 40% POST CONSUMER WASTE CONTENT; KIMBERLY-CLARK, MFR ITEM # 01510

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HK-7394
Description	PLUNGERS #1RLV8
Vendor Name	GRAINGER
Vendor Item ID	1RLV8
Item UOM	EA
Marriott BOM Name	HK-7394
Specification	FORCED CUP, 6" CUP

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKM-2703
Description	AIR PURIFIER SYSTEM, PORTABLE
Vendor Name	RESTORAIR LLC
Vendor Item ID	AOCPPI-16
Item UOM	EA
Marriott BOM Name	HKM-2703
Specification	FOR GUESTROOM/COMMON AREA, PLUGS IN TO 110V WALL OUTLET, WEIGHT: 2 LBS. DIMENSIONS: 11 3/4"H X 5 3/4"W X 3 3/4"D, POLYMER MATERIAL, BEIGE, ON/OFF; LOW/HIGH CONTROLS, CONTAINS 2 SOCKETS; NOTE: THIS SYSTEM IS USED FOR THE CONTINUOUS TREATMENT (24/7) OF GUESTROOMS (OR COMMON AREAS) FOR MUST/MOLD/DAMP ODORS, FOOD/SPICE (CURRY) ODORS, SMOKE ODOR, VOC'S, PET ODORS & OTHER GENERAL GUEST MALODORS AND CONTAMINANTS. THE PLUG-IN UNIT HAS ITS OWN BUILT IN FAN TO CONTINUALLY DISTRIBUTE THE OXIDIZERS INTO THE ROOM AND IS NOT DEPENDENT ON THE AIR HANDLER TO DO SO. TREATING A ROOM ON A CONTINUOUS BASIS WILL KEEP IT BALANCED, OR ODOR NEUTRAL, HAVING A POSITIVE EFFECT RELATED TO GUEST SATISFACTION SCORES.

MANUFACTURER

Vendor Name: RESTORAIR LLC
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKM-2704
Description	AIR PURIFICATION SYSTEM
Vendor Name	RESTORAIR LLC
Vendor Item ID	RRR-AOC-16
Item UOM	EA
Marriott BOM Name	HKM-2704
Specification	RAPID ROOM RECOVERY ODOR ABATEMENT SYSTEM, DIMENSIONS: 14" H X 12" W X 26" L, WEIGHT: 17LBS, STAINLESS STEEL FINISH, 110V, ON/OFF CONTROLS, COVERS UP TO 1500 SQ. FT. NOTE: THIS SYSTEM IS BEING UTILIZED FOR QUICK ERADICATION OF INTENSE "ONE-TIME" ODORS INCLUDING BUT NOT LIMITED TO: SMOKE IN A NON-SMOKING ROOM, FOOD/SPICE (CURRY) ODORS, MUST/MILDEW/DAMP ODORS, PET ODORS, AND GENERAL GUEST MALODORS. IT IS ALSO BEING USED AS PART OF MARRIOTT'S OVERALL PROPERTY RESPONSE RELATED TO A POTENTIAL NOROVIRUS OUTBREAK (REFERENCE MARRIOTT NOROVIRUS & HOTEL OPERATIONS POLICY & PROCEDURES ON MGS. THIS ITEM REPLACES TRADITIONAL OZONE GENERATORS AND FOGGING EQUIPMENT.

MANUFACTURER

Vendor Name: RESTORAIR LLC
Contact Name:
Phone:
Email:

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and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKP-7018
Description	DOOR HANGER, DO NOT DISTURB, TOWNEPLACE
Vendor Name	RR DONNELLEY & SONS COMPANY
Vendor Item ID	5-2588
Item UOM	PK
Marriott BOM Name	HKP-7018
Specification	

MANUFACTURER

Vendor Name: RR DONNELLEY & SONS COMPANY
Contact Name:
Phone:
Email:

AREAS

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Marriott Item ID	HKP-7019
Description	DOOR HANGER, TERRY REUSE, TOWNEPLACE
Vendor Name	RR DONNELLEY & SONS COMPANY
Vendor Item ID	4-1886
Item UOM	PK
Marriott BOM Name	HKP-7019
Specification	

MANUFACTURER

Vendor Name: RR DONNELLEY & SONS COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	HKP-7020
Description	DOOR HANGER, STAFF IN ROOM, TOWNEPLACE
Vendor Name	RR DONNELLEY & SONS COMPANY
Vendor Item ID	4-2517
Item UOM	PK
Marriott BOM Name	HKP-7020
Specification	

MANUFACTURER

Vendor Name: RR DONNELLEY & SONS COMPANY
Contact Name:
Phone:
Email:

AREAS

Public Space

Marriott Item ID	HKP-7021
Description	DOOR HANGER, PET IN ROOM, TOWNEPLACE
Vendor Name	RR DONNELLEY & SONS COMPANY
Vendor Item ID	4-2518
Item UOM	PK
Marriott BOM Name	HKP-7021
Specification	

MANUFACTURER

Vendor Name: RR DONNELLEY & SONS COMPANY
Contact Name:
Phone:
Email:

AREAS

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Marriott Item ID	HKP-7022
Description	DOOR HANGER, SERVICE ATTEMPT, TOWNEPLACE
Vendor Name	RR DONNELLEY & SONS COMPANY
Vendor Item ID	5-2555
Item UOM	PK
Marriott BOM Name	HKP-7022
Specification	PRIVACY ACKNOWLEDGMENT

MANUFACTURER

Vendor Name: RR DONNELLEY & SONS COMPANY
Contact Name:
Phone:
Email:

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and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-00006
Description	MOP HANDLE TELESCOPIC 59 INCH
Vendor Name	UMF CORPORATION
Vendor Item ID	HKN85150
Item UOM	EA
Marriott BOM Name	HKS-00006
Specification	LIFETIME WARRANTY - ERGONOMIC TELESCOPIC HANDLE. INTERCHANGEABLE WITH 12" AND 18" FLAT MOP FRAMES, FLEXIBLE DUSTER AND SQUEEGEE. PRODUCT SIZE= 33"-59" USAGE NOTE: PURPOSE: CLEANING SUPPLIES BASED ON ABC'S OF HOUSEKEEPING. LEMERIDIEN HOTELS, SUGGESTED QUANTITY: 1 PER RA

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0006HD
Description	HOUSEKEEPING CADDY BAG, 9 POCKET, NYLON, BLACK
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	108885
Item UOM	EA
Marriott BOM Name	HKS-0006HD
Specification	OPTIONAL FOR CFRST HOUSEKEEPING CARTS HKT-2193; HEAVY DUTY CONSTRUCTION, NYLON STRAPS, NICKEL PLATED SNAPS, ALL SEAMS DOUBLE & TRIPLE STITCHED. TOP POCKETS 4.5" X 7.5"; MIDDLE POCKETS 6" X 7.5"; BOTTOM POCKETS 9" X 8"; OVERALL DIM: 32"L X 19"W

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0036HD
Description	SPONGE, LIGHT DUTY 3.6"W X 6.1"L, YELLOW WITH WHITE
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	503061
Item UOM	CS
Marriott BOM Name	HKS-0036HD
Specification	SCOURING PAD, 3M BUILDING & COMMERCIAL, MFR ITEM # 63

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0038HD
Description	SCRUB BRUSH, 6", IRON STYLE, MOLDED PLASTIC HANDLE
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	908785
Item UOM	PK
Marriott BOM Name	HKS-0038HD
Specification	BRUSH FACE IS 2-1/2 W X 6 INCHES LW/WHITE POLYPRO BRISTLES, 1 INCH TRIM; MINIMUM QTY ORDER: 6; AMERICAN HOTEL REGISTER CO., MFR ITEM # 1108139

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0039HD
Description	TOILET BOWL MOP, 15"
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	908787
Item UOM	CS
Marriott BOM Name	HKS-0039HD
Specification	DELUXE CONE WITH BUILT IN HANDLE "HAND-SAVER" WRINGER TOLCO CORPORATION, MFR ITEM # 280105

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0041HD
Description	MOP HEAD-WHITE-LARGE-ANTI-MICROBIAL
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	971374
Item UOM	CS
Marriott BOM Name	HKS-0041HD
Specification	WITH 1" RED HEADBAND, 24 OZ., RUBBERMAID WEB FOOT, NEWELL RUBBERMAID COMMERCIAL, MFR ITEM # FGA11306WH00

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0043HD
Description	MOP HANDLE-54 IN. PLASTIC HEAD
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	908760
Item UOM	CS
Marriott BOM Name	HKS-0043HD
Specification	RUBBERMAID INVADER HARDWOOD HANDLE NEWELL RUBBERMAID COMMERCIAL, MFR ITEM # FGH115000000

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0044HD
Description	ROLLER SPONGE MOP-BRONZE
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	971342
Item UOM	CS
Marriott BOM Name	HKS-0044HD
Specification	RUBBERMAID BRUTE STEEL; 12" YELLOW CELLULOSE SPONGE HEAD; NEWELL RUBBERMAID COMMERCIAL, MFR ITEM # FG643500BRNZ

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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Public Space

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0057HD
Description	GLOVES, MEDIUM, DISPOSABLE, POWDER-FREE,
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	159066
Item UOM	BX
Marriott BOM Name	HKS-0057HD
Specification	NITRILE EXAM GLOVES USED FOR CLEANING; HOSPITAL SPECIALTY COMPANY, MFR ITEM # GL-N106FM PACKED 100 GLOVES PER BOX

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

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and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0058HD
Description	GLOVES, LARGE, DISPOSABLE, POWDER-FREE
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	159067
Item UOM	BX
Marriott BOM Name	HKS-0058HD
Specification	NITRILE EXAM GLOVES USED FOR CLEANING; PACKED 100 GLOVES PER BOX HOSPITAL SPECIALTY COMPANY

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0066HD
Description	BUCKET, UTILITY, ROUND, 10 QUART, GRAY, RUBBERMAID, BRUTE
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	124023
Item UOM	CS
Marriott BOM Name	HKS-0066HD
Specification	MADE OF DURABLE, RUGGED CRUSH-RESISTANT DUR-X (PLASTIC); ONE PIECE CONSTRUCTION; WON'T LEAK; HEAVY BALL HANDLES W/CHIME BOTTOM FOR SECURE POURING GRIP; MEASURE GRADATIONS MOLDED INTO SIDE OF BUCKET. NEWELL RUBBERMAID COMMERCIAL, MFR ITEM # FG296300GRAY

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0067HD
Description	MOP BUCKET WRINGER COMBO, PLASTIC, YELLOW, 35 QT.
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	532095
Item UOM	EA
Marriott BOM Name	HKS-0067HD
Specification	FOR USE W/16 TO 32 OZ. MOPS. RUBBERMAID WAVEBREAK BUCKET CONTAINS FOUR 3 INCH NON-MARKING CASTERS & POLYPROPYLENE POWDER COATED HANDLE; HAS MOLDED-IN WAVE BREAKS TO LIMIT WAVE FORMATION & ELIMINATE SPLASHING; CHEMICALLY RESISTANT, NONDENTING, NONCORRODING. NEWELL RUBBERMAID COMMERCIAL, MFR ITEM # FG757788YEL

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0127
Description	DUST MOP 36" X 7" BLUE FRINGE EASY ON & OFF HOOK & LOOP BLUE
Vendor Name	UMF CORPORATION
Vendor Item ID	DM536AM-B
Item UOM	PK
Marriott BOM Name	HKS-0127
Specification	DUST MOP COLOR CODED PER USER APPLICATION; FOR HARD SURFACE FLOORING.

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

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Public Space

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0131
Description	DUST MOP 48" X 7" GREEN FRINGE EASY ON & OFF HOOK & LOOP
Vendor Name	UMF CORPORATION
Vendor Item ID	DM548AM
Item UOM	EA
Marriott BOM Name	HKS-0131
Specification	DUST MOP; COLOR CODED PER USER APPLICATION; FOR HARD SURFACE FLOORING.

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0133
Description	MOP FLAT 12" X 5" BLUE COLOR CODED; EASY ON &OFF HOOK & LOOP
Vendor Name	UMF CORPORATION
Vendor Item ID	FM512AM-B
Item UOM	PK
Marriott BOM Name	HKS-0133
Specification	BLUE FLAT MOP; FOR WINDOWS, GLASS DOORS, ETC.

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0134
Description	MOP FLAT 18" X 5" BLUE EASY ON & OFF HOOK & LOOP BLUE
Vendor Name	UMF CORPORATION
Vendor Item ID	FM518AM-B
Item UOM	PK
Marriott BOM Name	HKS-0134
Specification	

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0135
Description	MOP FLAT 18" X 5" GREEN EASY ON & OFF HOOK & LOOP
Vendor Name	UMF CORPORATION
Vendor Item ID	FM518AM-GN
Item UOM	PK
Marriott BOM Name	HKS-0135
Specification	COLOR CODED GREEN FOR FOOD PREP & SERFICE AREAS - CAFE/BAR.

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0136
Description	MOP FLAT 18" X 5" ORANGE EASY ON & OFF HOOK & LOOP GRAY FLAT
Vendor Name	UMF CORPORATION
Vendor Item ID	FM518AM-O
Item UOM	PK
Marriott BOM Name	HKS-0136
Specification	MOP COLOR CODED ORANGE FOR LARGE PUBLIC BATHROOMS.

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

Public Space

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0137
Description	MOP FLAT 18" X 5" GRAY EASY ON & OFF HOOK & LOOP
Vendor Name	UMF CORPORATION
Vendor Item ID	FM518AM-GY
Item UOM	PK
Marriott BOM Name	HKS-0137
Specification	

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

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Public Space

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0138
Description	FINISH APPLICATOR BLUE FOR ANY TYPE FLOOR FINISH; APPLIES A
Vendor Name	UMF CORPORATION
Vendor Item ID	FMA-1495
Item UOM	PK
Marriott BOM Name	HKS-0138
Specification	UNIFORM LINT/PARTICULATE FREE PERFECT FINISH.

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0139
Description	FLAT MOP 18" X 7" BLUE FRINGE EASY ON & OFF HOOK & LOOP BLUE
Vendor Name	UMF CORPORATION
Vendor Item ID	FMF518AM-B
Item UOM	PK
Marriott BOM Name	HKS-0139
Specification	FRINGED 18" FLAT MOP; COLOR CODED PER USER APPLICATION; FOR HARD SURFACE FLOORING.

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0140
Description	FLAT MOP 18" X 7" GRAY FRINGE EASY ON & OFF HOOK & LOOP GRAY
Vendor Name	UMF CORPORATION
Vendor Item ID	FMF5181M-GY
Item UOM	PK
Marriott BOM Name	HKS-0140
Specification	FRINGED 18" FLAT MOP COLOR CODED PER USER APPLICATION; FOR HARD SURFACE FLOORING.

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0141
Description	FLAT MOP S&C 18" X 7" GRAY EASY ON & OFF HOOK & LOOP GRAY 18
Vendor Name	UMF CORPORATION
Vendor Item ID	FMS518AM-GY
Item UOM	PK
Marriott BOM Name	HKS-0141
Specification	INCH FLAT MOP WITH BLUE SCRUBBERS; FOR HARD SURFACE FLOORING IN COMMERCIAL KITCHENS & WASHROOMS.

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0142
Description	SPONGE ORANGE 4" X 7" COLOR CODED FOR USE IN BATHROOMS
Vendor Name	UMF CORPORATION
Vendor Item ID	HS407-O
Item UOM	PK
Marriott BOM Name	HKS-0142
Specification	SAFE FOR REMOVAL OF SUN TAN OIL RESIDUE FROM TUB & SHOWER SURROUNDS AT RESORT PROPERTIES.

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

Public Space

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0143
Description	CLOTH GREEN 12" X 12" SUPER SILK HIGH PERFORMANCE ULTRA FINE
Vendor Name	UMF CORPORATION
Vendor Item ID	TT3030AM-G
Item UOM	PK
Marriott BOM Name	HKS-0143
Specification	WIPER TO SAFELY CLEAN FLAT PANEL LCD/LED TELEVISIONS; PROTECTS TV WARRANTY; REQUIRES NO CHEMICALS

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

Public Space

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0144
Description	CLOTH GREEN 12" X 12" TERRY FOR FOOD PREP & SERVICE AREAS
Vendor Name	UMF CORPORATION
Vendor Item ID	TW3030AM-GN
Item UOM	PK
Marriott BOM Name	HKS-0144
Specification	CAFE/BAR

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0145
Description	CLOTH GRAY 12" X 12" TERRY FOR USE IN GUESTROOM FOR DRYING
Vendor Name	UMF CORPORATION
Vendor Item ID	TW3030AM-GY
Item UOM	PK
Marriott BOM Name	HKS-0145
Specification	GLASSWARE

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0146
Description	CLOTH YELLOW 12" X 12" TERRY FOR USE IN GUESTROOM
Vendor Name	UMF CORPORATION
Vendor Item ID	TW3030AM-Y
Item UOM	PK
Marriott BOM Name	HKS-0146
Specification	ALL PURPOSE WIPER MATCHES COLOR OF ALL PURPOSE CLEANER

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0147
Description	CLOTH BLUE 16" X 16" TERRY USED FOR DUSTING IN THE GUESTROOM
Vendor Name	UMF CORPORATION
Vendor Item ID	TW4040AM-B
Item UOM	PK
Marriott BOM Name	HKS-0147
Specification	

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0148
Description	CLOTH GREEN 16" X 16" TERRY FOR FOOD PREP & SERVICE IN
Vendor Name	UMF CORPORATION
Vendor Item ID	TW4040AM-GN
Item UOM	PK
Marriott BOM Name	HKS-0148
Specification	CAFE/BAR AREAS.

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0149
Description	CLOTH ORANGE 16" X 16" TERRY FOR USE IN BATHROOM
Vendor Name	UMF CORPORATION
Vendor Item ID	TW4040AM-O
Item UOM	PK
Marriott BOM Name	HKS-0149
Specification	(FAUCETS/SINK/TUB/SHOWER)

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0150
Description	MITT ORANGE ALL PURPOSE FOR USE IN BATHROOM
Vendor Name	UMF CORPORATION
Vendor Item ID	TWMAM-O
Item UOM	PK
Marriott BOM Name	HKS-0150
Specification	

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0151
Description	MOP TUBE GREEN 33" YELLOW HB COLOR CODED FOR FOOD SERVICE
Vendor Name	UMF CORPORATION
Vendor Item ID	TWB85-GN
Item UOM	EA
Marriott BOM Name	HKS-0151
Specification	HIGH PERFORMANCE EXTREMELY DURABLE GREEN TUBE MOP THAT REPLACES A STANDARD /TRADITIONAL COTTON STRING MOP.

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0152
Description	MOP TUBE GRAY 33" YELLOW HB HIGH PERFORMANCE
Vendor Name	UMF CORPORATION
Vendor Item ID	TWC85
Item UOM	EA
Marriott BOM Name	HKS-0152
Specification	EXTREMELY DURABLE GENERAL PURPOSE TUBE MOP THAT REPLACES STANDARD/TRADITIONAL COTTON STRING MOPS.

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0153
Description	DUSTER COVER CHENILLE BLUE 4" X 20" FOR DUSTING
Vendor Name	UMF CORPORATION
Vendor Item ID	CHE951-B
Item UOM	PK
Marriott BOM Name	HKS-0153
Specification	A DURABLE CHENILLE REPLACEABLE COVER FOR THE FLEXIBLE DUSTER HKN22528 (HKS-00005)

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0154
Description	DUSTER COVER CHENILLE GREEN 4" X 20" FOR DUSTING
Vendor Name	UMF CORPORATION
Vendor Item ID	CHE951-GN
Item UOM	PK
Marriott BOM Name	HKS-0154
Specification	A DURABLE CHENILLE REPLACEABLE COVER FOR THE FLEXIBLE DUSTER HKN22528 (HKS-00005)

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0155
Description	DUSTER COVER CHENILLE GRAY 4" X 20" FOR DUSTING
Vendor Name	UMF CORPORATION
Vendor Item ID	CHE951-GY
Item UOM	PK
Marriott BOM Name	HKS-0155
Specification	A DURABLE CHENILLE REPLACEABLE COVER FOR THE FLEXIBLE DUSTER HKN22528 (HKS-00005)

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

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Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0156
Description	GLOVE WHITE RIGHT 7" X 6" AMBIDEXTEROUS 5-FINGER WITH
Vendor Name	UMF CORPORATION
Vendor Item ID	SCGAM-R
Item UOM	PK
Marriott BOM Name	HKS-0156
Specification	REVERSIBLE SCRUB & CLEAN SURFACES (2 SIDED); FOR DIFICULT TO REACH SPACES, SMALL OBJECTS, SPINDLES & ROOM INSPECTIONS.

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0157
Description	HANDLE EASY GRIP SHORT 7" ERGONOMIC FOR 12" & 18" FLAT MOPS
Vendor Name	UMF CORPORATION
Vendor Item ID	HKN07
Item UOM	EA
Marriott BOM Name	HKS-0157
Specification	AND FRAMES; USE ON TABLE TOPS & LARGE GLASS PANELS

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0158
Description	FRAME FLAT MOP HOOK & LOOP 18" X 5" EASY ON & OFF FOR 18"
Vendor Name	UMF CORPORATION
Vendor Item ID	VKN10516
Item UOM	EA
Marriott BOM Name	HKS-0158
Specification	FLAT MOPS AND FRINGED MOPS

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0159
Description	HOOK & LOOP STRIPS 2 PACK REPLACEMENT FOR 12" FRAME FLAT MOP
Vendor Name	UMF CORPORATION
Vendor Item ID	VC10510
Item UOM	EA
Marriott BOM Name	HKS-0159
Specification	

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0160
Description	HOOK & LOOP STRIPS 2 PACK REPLACEMENT FOR 18" FRAME FLAT MOP
Vendor Name	UMF CORPORATION
Vendor Item ID	VC10516
Item UOM	EA
Marriott BOM Name	HKS-0160
Specification	FRAMES

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0162
Description	FRAME FLAT MOP 36" X 5" EASY ON & OFF HOOK & LOOP FRAME FOR
Vendor Name	UMF CORPORATION
Vendor Item ID	HKN10534
Item UOM	EA
Marriott BOM Name	HKS-0162
Specification	36" BLUE DUST MOP.

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0163
Description	HANDLE 22" ERGONOMIC SHORT ELESCOPIC HANDLE FOR USE WITH
Vendor Name	UMF CORPORATION
Vendor Item ID	HKN4875
Item UOM	EA
Marriott BOM Name	HKS-0163
Specification	12" AND 18" FLAT MO FRAMES; IDEAL FOR EXTENDING FLEXIBLE DUSTER; 19" - 28"

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0164
Description	GREEN REFILL BOTTLE 21 OZ W/PMS362 GREEN BOTTLE PMS 11U GRAY
Vendor Name	UMF CORPORATION
Vendor Item ID	BOT-GN
Item UOM	EA
Marriott BOM Name	HKS-0164
Specification	CAPS FOR USE WITH EITHER SDX-50 OR SDX-60

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0167
Description	REFILL BOTTLE ORANGE 21 OZ W/PMS 11U GRAY CAPS FOR USE WITH
Vendor Name	UMF CORPORATION
Vendor Item ID	BOT-O
Item UOM	EA
Marriott BOM Name	HKS-0167
Specification	EITHER SDX-50 OR SDX 60

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0168
Description	REFILL BOTTLE YELLOW 21 OZ W/PMS 11U GRAY CAPS FOR USE WITH
Vendor Name	UMF CORPORATION
Vendor Item ID	BOT-Y
Item UOM	EA
Marriott BOM Name	HKS-0168
Specification	EITHER SDX-50 OR SDX-60

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0169
Description	SDX-50 W/YELLOW BOTTLE 50" FRAME NOT INCLUDED 50" BUCKETLESS
Vendor Name	UMF CORPORATION
Vendor Item ID	SDX-50
Item UOM	EA
Marriott BOM Name	HKS-0169
Specification	MOP SYSTEM

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

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and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0170
Description	SDX-60 W/YELLOW BOTTLE 60" FRAME NOT INCLUDED 58" BUCKETLESS
Vendor Name	UMF CORPORATION
Vendor Item ID	SDX-60
Item UOM	EA
Marriott BOM Name	HKS-0170
Specification	MOP SYSTEM

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

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Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0171
Description	BUCKET SMALL WIPER BLUE COLOR CODED PAIL FOR USE WITH 12" OR
Vendor Name	UMF CORPORATION
Vendor Item ID	CTA125-B
Item UOM	EA
Marriott BOM Name	HKS-0171
Specification	16" BLUE WIPERS

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

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and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0172
Description	BUCKET SMALL WIPER GREEN COLOR CODED GREEN PAIL FOR USE
Vendor Name	UMF CORPORATION
Vendor Item ID	CTA125-GN
Item UOM	EA
Marriott BOM Name	HKS-0172
Specification	WITH 12 OR 16" GREEN WIPERS

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

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and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0173
Description	BUCKET SMALL WIPER YELLOW FOR USE WITH 12" OR 16" YELLOW
Vendor Name	UMF CORPORATION
Vendor Item ID	CTA-125-Y
Item UOM	EA
Marriott BOM Name	HKS-0173
Specification	WIPERS

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

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and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0174
Description	BUCKET SMALL WIPER ORANGE FOR USE WITH 12" OR 16" ORANGE
Vendor Name	UMF CORPORATION
Vendor Item ID	CTA125-O
Item UOM	EA
Marriott BOM Name	HKS-0174
Specification	WIPERS

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

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and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0175
Description	LID GRAY FOR CTA125 BUCKET
Vendor Name	UMF CORPORATION
Vendor Item ID	CTA125 LID GREY
Item UOM	EA
Marriott BOM Name	HKS-0175
Specification	

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0176
Description	FLAT MOP BUCKET YELLOW W/LID RECTANGULAR 10-3/4" X 20-1/4" X
Vendor Name	UMF CORPORATION
Vendor Item ID	C-FB22-Y W/LID
Item UOM	EA
Marriott BOM Name	HKS-0176
Specification	10-1/4"

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0177
Description	MOP CLAMP BLUE CLAW FOR ATTACHING TUBE MOP TO STRAIGHT
Vendor Name	UMF CORPORATION
Vendor Item ID	HKN343-B
Item UOM	EA
Marriott BOM Name	HKS-0177
Specification	HANDLE. 9-1/4" X 3"

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

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and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0178
Description	MOP CLAMP GREEN CLAW FOR ATTACHING GREEN TUBE MOP
Vendor Name	UMF CORPORATION
Vendor Item ID	HKN343-GN
Item UOM	EA
Marriott BOM Name	HKS-0178
Specification	(TWC85-GN) TO STRAIGHT HANDLE (HKN83140-GN) 9-1/4" X 3"

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

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and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0179
Description	MOP CLAMP GRAY CLAW FOR ATTACHING ANY TUBE MOP TO STRAIGHT
Vendor Name	UMF CORPORATION
Vendor Item ID	HKN343-GY
Item UOM	EA
Marriott BOM Name	HKS-0179
Specification	HANDLE (HKN38140-GY); 9-1/4" X 3"

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0180
Description	MOP CLAMP ORANGE CLAW FOR ATTACHING ANY TUBE MOP TO
Vendor Name	UMF CORPORATION
Vendor Item ID	HKN343-O
Item UOM	EA
Marriott BOM Name	HKS-0180
Specification	STRAIGHT HANDLE (HKN83140-O) 9-1/4" X 3"

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

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Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0181
Description	HANDLE ALUMINUM BLUE 140CM FOR USE WITH BLUE CLAW
Vendor Name	UMF CORPORATION
Vendor Item ID	HKN83140-B
Item UOM	EA
Marriott BOM Name	HKS-0181
Specification	(HKN343-B) AND TUBE MOP; SIZE 56"

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0182
Description	HANDLE ALUMINUM GREEN 140CM FOR USE WITH GREEN CLAW
Vendor Name	UMF CORPORATION
Vendor Item ID	HKN83140-GN
Item UOM	EA
Marriott BOM Name	HKS-0182
Specification	(HKN343-GN) AND GREEN TUBE MOP (HKN38140-GN) SIZE: 56"

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0183
Description	HANDLE ALUMINUM GRAY 140CM FOR USE WITH BLUE CLAW
Vendor Name	UMF CORPORATION
Vendor Item ID	HKN83140-GY
Item UOM	EA
Marriott BOM Name	HKS-0183
Specification	(HKN343-B) AND GRAY TUBE MOP (HKN83140-GY) 56"

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0184
Description	HANDLE ALUMINUM ORANGE FOR USE WITH ORANGE CLAW
Vendor Name	UMF CORPORATION
Vendor Item ID	HKN83140-O
Item UOM	EA
Marriott BOM Name	HKS-0184
Specification	(HKN343-O) AND TUBE MOP (HKN83140-GY) 56"

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0185
Description	SQUEEGEE ORANGE FOR SHOWER AND TUB WALL SURROUNDS
Vendor Name	UMF CORPORATION
Vendor Item ID	SQH10-O
Item UOM	EA
Marriott BOM Name	HKS-0185
Specification	

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-0186
Description	SHOWER PADDLE WITH 10" SQUEEGEE ORANGE FOR SLIDING BARN DOOR
Vendor Name	UMF CORPORATION
Vendor Item ID	SQH10-O-PADDLE
Item UOM	EA
Marriott BOM Name	HKS-0186
Specification	STYLE SHOWER DOORS; (MUST ALSO ORDER MITT ORANGE #TWMAM-O - HKS-0150)

MANUFACTURER

Vendor Name: UMF CORPORATION
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKS-1530
Description	SPONGE, YELLOW 3M C41 OCELO XL COMMERCIAL
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	115760
Item UOM	PK
Marriott BOM Name	HKS-1530
Specification	MFR ITEM # C41 USAGE: OPTION 1 FOR AC HOTELS

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKT-2193
Description	HOUSEKEEPING CART ABS PLASTIC CABINET;
Vendor Name	FORBES INDUSTRIES INC
Vendor Item ID	2193-36-MAR
Item UOM	EA
Marriott BOM Name	HKT-2193
Specification	OVERALL DIMENSIONS: 56"L X 20.25"W X 46.5"H, W/2 SHELVES AND 2" DEEP TOP TRAY, TEXTURED GRAY POWDER COAT HANDLES, 43-E H.D. POLY VINYL BAG 26"L, 42-E H.D. POLY VINYL BAG 36"L, VACUUM BRACKET, UNDERDECK GLASS RACK HOLDER, 4 REVOLVING CORNER BUMPERS IN GRAY, FULL WRAP AROUND GRAY VINYL DECK BUMPER, 8" BLACK WHEELS IN ZINC PLATED CASTERS 2 SWIVEL, 2 RIGID, WEIGHT: 70 LBS., CART SHIPS IN ONE BOX & ACCESSORIES IN SEPARATE BOX. NOTE: ALSO AVAILABLE WITH BLACK PAINTED STEEL HANDLES

MANUFACTURER

Vendor Name: FORBES INDUSTRIES INC
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKE-1750
Description	TABLE LAUNDRY FOLDING ABS 30"X96" BLK LEGS, TOP, UP TO 38"H
Vendor Name	MITY LITE INC
Vendor Item ID	RT3096BLK16
Item UOM	EA
Marriott BOM Name	HKE-1750
Specification	BLACK ABS TOP, BLACK ADJUSTABLE LEGS

MANUFACTURER

Vendor Name: MITY LITE INC
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKM-7251
Description	VENDING MACHINE-FOR DETERGENT/SOAP,
Vendor Name	VENDRITE MANUFACTURING
Vendor Item ID	294
Item UOM	EA
Marriott BOM Name	HKM-7251
Specification	2 COLUMN (PLEASE SET THE PRICE TO $1.00)

MANUFACTURER

Vendor Name: VENDRITE MANUFACTURING
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKM-7254HD
Description	VENDING MACHINE, CHEER LAUNDRY
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	520185
Item UOM	CS
Marriott BOM Name	HKM-7254HD
Specification	SINGLE USE SIZE 1.8 OZ. DETERGENT FOR GUEST LAUNDRY Purex(r) 1.4 Oz Vend Detergent (156-Case)

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKM-7256HD
Description	DRYER SHEETS SNUGGLE
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	120020
Item UOM	PKG
Marriott BOM Name	HKM-7256HD
Specification	FABRIC SOFTENER SHEETS, 2 SHEETS PER BOX,FOR GUEST LAUNDRY, Snuggle Fabric Softener; PROCTER & GAMBLE, MFR ITEM # 003700002664

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

TOWNEPLACE SUITES BY MARRIOTT

Towneplace Suites by Marriott
Public Space
New Build - All Generations
Operating Supplies and Equipment

LAUNDRY

Revision 18

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKT-4310
Description	TRUCKS-LAUNDRY 12 BUSHEL, 15 CU. FT.
Vendor Name	MEESE INC
Vendor Item ID	39-12 UTILITY TRUCK
Item UOM	EA
Marriott BOM Name	HKT-4310
Specification	COLOR: ROYAL BLUE #2727C, 39-1/2"L X 29-1/2"W X 28"D; O/A HEIGHT: 32", 5" HARD RUBBER CASTERS - DIAMOND MOUNTED, MOLDED FROM WATERPROOF, CHEMICAL-RESISTANT POLYETHYLENE, .225" WALL THICKNESS, GALVANIZED METAL FLAT BASE.

MANUFACTURER

Vendor Name: MEESE INC
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKT-4410
Description	TRUCKS-HAND #3W089, 500 LB CAPACITY, 51"H, LOOP HANDLE
Vendor Name	GRAINGER
Vendor Item ID	3W089
Item UOM	EA
Marriott BOM Name	HKT-4410
Specification	PNEUMATIC TIRES SIZE 10" X 4"; NOSE PLATE SIZE 8"D X 14"W RED COLOR

MANUFACTURER

Vendor Name: GRAINGER
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	LIN-0214B
Description	LAUNDRY TRUCK 33 CU. FT./800 LB. CAPACITY POLY TRUX
Vendor Name	MEESE INC
Vendor Item ID	74P
Item UOM	EA
Marriott BOM Name	LIN-0214B
Specification	DIM: 41"L X 28-1/2"W X 59" OAH; COLOR: #303C CADET BLUE; STANDARD FEATURES: HAND HOLES RIGHT SIDE, BLACK POWDER COATED STEEL BASE, TORQUE RESISTANT MOLDED-IN INSERTS, DRAIN HOLES IN THE BOTTOM OF TRUCK, 6"X2" GRAY RUBBER CASTERS;

MANUFACTURER

Vendor Name: MEESE INC
Contact Name:
Phone:
Email:

AREAS

Public Space

TOWNEPLACE SUITES BY MARRIOTT

Towneplace Suites by Marriott
Public Space
New Build - All Generations
Operating Supplies and Equipment

MEETING ROOM

Revision 18

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	MTG-0078
Description	TABLE-MEETING RM-72"L X18"-30"Wx29.75"H-FOLDING-WALNUT-BLACK
Vendor Name	SOUTHERN ALUMINUM
Vendor Item ID	DT3072FV-K
Item UOM	EA
Marriott BOM Name	MTG-0078
Specification	ITEM: LINENLESS MEETING TABLE; DIMENSIONS: 72"L X 18"-30"W X 29.75"H, HEIGHT TO UNDERSIDE OF TABLE 28 1/8" TOP: SKYLINE WALNUT LAMINATE ON 6063-T6 EXTRUDED ALUMINUM PANEL PERIMETER: 2MM BLACK PVC EDGE BAND, FLAT EDGE LEGS: ROMAN III FOLDING LEGS, 1.5" SQUARE ALUMINUM, MATTE BLACK POWDERCOAT WITH CAPPED OPENINGS CAPACITY: 3,000 LBS OF DISTRIBUTED WEIGHT, EXTENDED TABLE LEAF 1,000 LBS. WARRANTY: 5 YEARS SUSTAINABILITY: 70% RECYCLED ALUMINUM IN EXTRUSIONS, LAMINATE IS GREENGUARD CERTIFIED CARTONING: INCLUDED; NOTE: ITEM MAY BE ORDERED AS PART OF FF&E; CHECK WITH PROPERTY BEFORE ORDERING. ALSO TABLE WITH POWER STRIP AVAILABLE FOR CHARGING ELECTRONIC DEVICES - ORDER ITEM DT3072FV-K-FDPWROPT (MTG-0079).

Meeting Room Table

MANUFACTURER

Vendor Name: SOUTHERN ALUMINUM
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	MTG-0079
Description	TABLE-W/POWER-MEETING ROOMS 72"L X18"-30"WX29.75"H
Vendor Name	SOUTHERN ALUMINUM
Vendor Item ID	DT3072FV-K-FDPWROPT
Item UOM	EA
Marriott BOM Name	MTG-0079
Specification	ITEM: T2 LINENLESS MEETING TABLE WITH ADD-ON POWER FOR CHARGING MOBILE DEVICES; MODEL: DT3072FV-K TABLE AND FDPWROPT HIDE-A-WAY POWER DIMENSIONS: 72"L X 18"-30"W X 29.75"H, HEIGHT TO UNDERSIDE OF TABLE 28 1/8" TOP: SKYLINE WALNUT LAMINATE ON 6063-T6 EXTRUDED ALUMINUM PANEL PERIMETER: 2MM BLACK PVC EDGE BAND, FLAT EDGE LEGS: ROMAN III FOLDING LEGS, 1.5" SQUARE ALUMINUM, MATTE BLACK POWDERCOAT WITH CAPPED OPENINGS POWERSTRIP INCLUDED, MOUNTED BEFORE SHIPMENT TO UNDERSIDE OF TABLE EDGE: FDPROPT, 4 OUTLET SURGE, 2 USB. 8' OF CORD, 4' WILL EXTEND FROM TABLE LEG AFTER RUNNING THROUGH WIRE MANAGEMENT WIRE MANAGEMENT: TUBE ATTACHED TO TABLE LEG TO CONTAIN CORD. TABLE CAPACITY: 3,000 LBS OF DISTRIBUTED WEIGHT, EXTENDED TABLE LEAF 1,000 LBS. WARRANTY: 5 YEARS SUSTAINABILITY: 70% RECYCLED ALUMINUM IN EXTRUSIONS, LAMINATE IS GREENGUARD CERTIFIED CARTONING: INCLUDED; NOTE: ITEM MAY BE ORDERED AS PART OF FF&E; CHECK WITH PROPERTY BEFORE ORDERING.

MANUFACTURER	AREAS

Vendor Name: SOUTHERN ALUMINUM Contact Name: Phone: Email:	Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	MTG-0800
Description	TRAY-FOR MEETING ROOM TABLES-12.5" X 7.5" X 1.5"-IRON
Vendor Name	SOUTHERN ALUMINUM
Vendor Item ID	CC-ET-I
Item UOM	EA
Marriott BOM Name	MTG-0800
Specification	ITEM: MEETING ROOM STACKABLE TRAY DIMENSIONS: 12.5" X 7.5" X 1.5" EXTERIOR, 12" X 7" X 1.25" INTERIOR FINISH: POWDERCOAT, COLOR IRON MATERIAL: .08" THICK 3003 ALUMINUM ALLOY GLIDES: FOUR 4/3" SQUARE RUBBER ANTI-SLIP FEET NOTE: MINIMUM QUANTITY REQUIRED IS 12 FOR A 600 SQ. FT. MEETING ROOM, PLUS ONE PER TABLE FOR CLASSROOM SET UP IN LARGER ROOMS. ALSO, ITEM MAY BE ORDERED AS PART OF FF&E; CHECK WITH PROPERTY BEFORE ORDERING. CARTONING INCLUDED IN PRICE

MANUFACTURER

Vendor Name: SOUTHERN ALUMINUM
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKL-6510
Description	TOWELS-POOL, STANDARD, SEAFOAM
Vendor Name	WEST POINT HOME LLC
Vendor Item ID	7131785
Item UOM	DZ
Marriott BOM Name	HKL-6510
Specification	24 X 48 IN, 79/21 COTTON/POLY CAM BORDER, 8#;

MANUFACTURER

Vendor Name: WEST POINT HOME LLC
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKL-6520BHD
Description	SPECIALTY POOL TOWEL BLUE CAM BORDER 24" X 50"
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	142494
Item UOM	CS
Marriott BOM Name	HKL-6520BHD
Specification	FIBERTONE 86% COTTON/14% POLY BLEND, 10.5# NON-FADING; ORDER IN MULTIPLES OF 5 1888 MILLS, MFR ITEM # B250-U-PBL-1-FT20

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

TOWNEPLACE SUITES BY MARRIOTT

Towneplace Suites by Marriott
Public Space
New Build - All Generations
Operating Supplies and Equipment

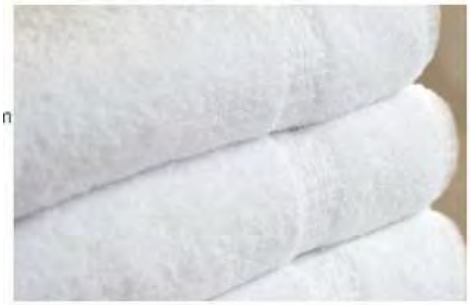
TERRY

Revision 18

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKL-4102
Description	TOWELS-HAND, CFST, 16" X 25", CHECKERED DOBBY PATTERN
Vendor Name	STANDARD TEXTILE
Vendor Item ID	4675M200
Item UOM	DZ
Marriott BOM Name	HKL-4102
Specification	ONE SIDE ONLY; WHITE COLOR; 100% RING SPUN COTTON LOOPS, 2.85 LB.; CENTIUM CORE TECHNOLOGY; 5 ROW CHECKERED DOBBY PATTERN; "ROOM READY" TAGGED FOR MARRIOTT; FOR CY, FFI, SHS & TWNP PROPERTIES - AMERICAS DIVISION



MANUFACTURER

Vendor Name: STANDARD TEXTILE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKL-6119HD
Description	WASH CLOTH 12" X 12" WHITE GOOD PREFERRED COMFORT
Vendor Name	HD SUPPLY FACILITIES MAINTENANCE
Vendor Item ID	144134
Item UOM	CS
Marriott BOM Name	HKL-6119HD
Specification	.95 LBS/DZ; MFG. WELSPUN USA HPPC-TW-WH-01; NOTE: NOT ROOM READY

MANUFACTURER

Vendor Name: HD SUPPLY FACILITIES MAINTENANCE
Contact Name:
Phone:
Email:

AREAS

Public Space

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKL-6240
Description	BATH MAT-20"X29" CHECKERED DOBBY PATTERN, WHITE COLOR CFST
Vendor Name	STANDARD TEXTILE
Vendor Item ID	46750M00
Item UOM	DZ
Marriott BOM Name	HKL-6240
Specification	100% RING SPUN COTTON LOOP; 5 ROW CHECKERED BORDER; 6.8 LB.; "ROOM READY"; FOR CFRST BRANDS

MANUFACTURER

Vendor Name: STANDARD TEXTILE
Contact Name:
Phone:
Email:

AREAS

Public Space

TOWNEPLACE SUITES BY MARRIOTT

Towneplace Suites by Marriott
Public Space
New Build - All Generations
Operating Supplies and Equipment

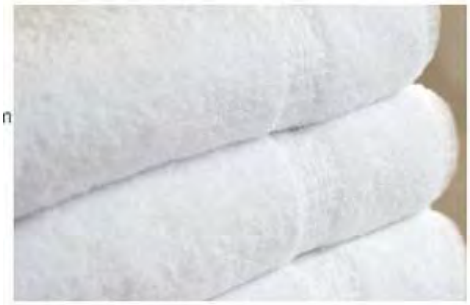
TERRY

Revision 18

and Renovation OS&E

Issue Date: **May 30, 2023**
Revision Date:

Marriott Item ID	HKL-6350N
Description	TOWELS-BATH, 30"X52", CHECKERED DOBBY PATTERN,
Vendor Name	STANDARD TEXTILE
Vendor Item ID	46731M00
Item UOM	DZ
Marriott BOM Name	HKL-6350N
Specification	WHITE COLOR, 100% RING SPUN COTTON LOOPS; 5 ROW CHECKERED DOBBY PATTERN; 15.4 LB. CENTIUM CORE TECHNOLOGY "ROOM READY"; FOR CFRST, AC & MVW PROPERTIES - AMERICAS DIVISION.



MANUFACTURER

Vendor Name: STANDARD TEXTILE
Contact Name:
Phone:
Email:

AREAS

Public Space

Operating Supplies & Equipment Tools and Resources

Tools and Resources - Operating Supplies & Equipment

Building a new hotel is a massive undertaking, often involving several key players, hundreds of process steps, and thousands of pages in documentation. The submittal process involved in building a new Marriott hotel is extremely valuable to your finished product, and everyone benefits from staying on track with the endeavor, including our guests. Marriott International and Global Design are together dedicated to providing the knowledge and support Owners and Franchisees need to make their endeavors successful. In addition to the information provided here, take advantage of other guiding tools and resources now available:

Lobo:

Simplifying the process for Marriott Owners and Franchisees, Global Design's Website, Lobo, allows Owners, Franchisees, and other consultants to easily and quickly access design guideline documentation and the additional tools involved in building or renovating a Marriott branded hotel. An intuitive tool, Lobo provides a secure system to obtain architectural drawings, specification information, and additional documentation needed by Marriott investors.

Please use the link below and click on "Request Access" to register for a new log-in:
http://globaldesign.marriott.com.

Marriott Global Source (MGS):

Check out Marriott's Architecture and Construction (A&C) channel and access a variety of additional resources, including Design Standards, key contact lists, case studies, timelines, checklists, process information, and more. Access Marriott's Architecture and Construction (A&C) homepage:
https://extranet.marriott.com/mgs/Global+Source/Common/Business+Resources/Architecture+and+Construction/default.htm

Light Fixture Matrix

TownePlace Suites

Gen 5 - New Build - Real Living

Universal Mark	I.D. X-Ref	Product Type	Manufacturer	Model No.	Size (L x W x H) Sconce (H x W x D)	Fixture Description	Mount	On Dimmer / Dimmer Type	* Lamp Category * Temp * CRI * Deliv Lumens	Lamp Life / Fixture Life (Hrs)	* Lamp Qty * Lamp Bulb / Base Type * Lamp Model No.	* Fixture Input Watts (Max) * Volts	Area	Location
ALB-001-CL		Recessed Box	Cooper/ Metalux	22CZ2-39-UNV-L835-CD1-U	24"L x 24"W x 3.25"H	2x2 Lensed "Cruze" Center Basket Troffer *Finish: white *Trim: white *Reflector: *Lens: Ribbed Acrylic frosted	Recessed ACT	No 0-10V	* LED-I * 3500K * 85+ * 3932	60,000 Hrs	* Qty = * *	* 36.4W * 120-277V	BOH/Public	Linen Storage, Employee Break Room, Work Area, GM Office, Guest Laundry, Sales Office
ALB-001-PH		Recessed Box	PHILIPS DAY-BRITE	2EVG38L835-2-D-UNV-DIM	23.75"L x 23.75"W x 2.75"H	2x2 EVOGRID LED *Finish: white *Trim: white *Reflector: *Lens: Ribbed Acrylic frosted	Recessed ACT	NO 0-10V	* LED * 3500K * 80 * 3800	50000	* Qty = * *	* 33.3W * 120-277V	BOH/Public	Linen Storage, Employee Break Room, Work Area, GM Office, Guest Laundry, Sales Office
ALB-017-CL		Surface Mount Box	Cooper/ Metalux	22GR-LD5-43-F1-UNV-L835-CD1-U, SK-22-WS	24 1/16'L x 24"W x 4 15/16"H	2' X 2' Frosted Lens *Finish: white *Trim: white *Reflector: *Lens: High Optical Grade Acrylic	Surface Mount Kit	No 0-10V	* LED-I * 3500K * 85+ * 4360	60,000 Hrs	* Qty = * *	* 40.1W * 120-277V	BOH	Pool Storage, Electrical Rm, Storage
ALB-017-PH		Surface Mount Box	PHILIPS DAY-BRITE	2SML45L835-2-FS-56F-UNV-DIM	24.1875"L x 24"W x 4.0625"H	2x2 SURFACE MODULAR - SURFACE MOUNT FROSTED LENS *Finish: white *Trim: white *Reflector: *Lens: DR high impact	SURFACE	NO 0-10V	* LED * 3500K * 80 * 4213	50000	* Qty = * *	* 39W * 120-277V	BOH	Pool Storage, Electrical Rm, Storage
ALB-006-CL		LED 2x2 Layin	Cooper/ Metalux	22GR-LD5-43-F1-UNV-L835-CD1-U	24"L x 24"W x 3.25"H	2x2 Recessed Troffer *Finish: white *Trim: white *Reflector: *Lens: Acrylic Prismatic Frosted Lens	Recessed ACT	No 0-10V	* LED-I * 3500K * 85+ * 4360	60,000 Hrs	* Qty = * *	* 40.1W * 120-277V	BOH	Engineer Room, Food Prep
ALB-006-PH		LED 2x2 Layin	PHILIPS DAY-BRITE	2TG45L835-2-FS-02F-UNV-DIM	24"L x 24"W x 3"H	T-Grid 2x2 Recessed Troffer *Finish: white *Trim: white *Reflector: *Lens: acrylic diffuse	Recessed ACT	NO 0-10V	* LED * 3500K * 80 * 4551	50000	* Qty = * *	* 51.5W * 120-277V	BOH	Engineer Room, Food Prep
ALB-007-CL		Recessed Box	Cooper/ Metalux	24GR-LD5-48-F1-UNV-L835-CD1-U	47 3/4"L x 23 3/4"W x 3 1/4"H	2X4 General LED Troffer *Finish: white *Trim: white *Reflector: *Lens: Acrylic Prismatic Frosted Lens	RECESSED ACT	No 0-10V	* LED * 3500K * 85+ * 4799	60,000 Hrs	* Qty = * *	* 34.9W * 120-277V	BOH	Mechanical
ALB-007-PH		Recessed Box	PHILIPS DAY-BRITE	2TG52L835-4-FS-02F-UNV-DIM	48"L x 24"W x 3"H	T-Grid 2X4 General LED Troffer *Finish: white *Trim: white *Reflector: *Lens: Acrylic Prismatic Frosted Lens	Recessed ACT	NO 0-10V	* LED * 3500K * 80 * 5179	50000	* Qty = * *	* 49.3W * 120-277V	BOH	Mechanical
ALB-018-CL		Recessed Box - Decorative	Cooper/ Metalux	24SR-LD2-39-C-UNV-L835-CD1-U	47 15/16" L x 23 3/4"W x 4 11/16" H	2x4 "Skyridge" - Center Blade Edge lit *Finish: *Trim: *Reflector: *Lens:	Recessed ACT	Yes 0-10V	* LED * 3500K * 85+ * 3997	100,000 Hrs	* Qty = * *	* 31.9W * 120-277V	Public Space	Fitness Ctr

NOTE 1: Items with an ID X-Ref # are items purchased through Marriott's Procurement Division as FF&E items (Furniture, Fixture, Equipment) if this service is selected by Owner. Confirm with Owner whether to include these "decorative" but hardwired lighting fixtures in the scope of the General Contractor, or whether to remove if they are provided by Marriott Procurement Services.

~~**NOTE 2: Mark Numbers followed by an "ALT" = Alternative supplier of fixture. Mark Numbers followed by an "OPT" = Optional Choice of fixture.**~~

~~**NOTE 3: For the Neuhaus Décor Package, the x-ref listed in this matrix contains the suffix indicating whether the fixture is to be included in either the "Honed" or the "Weave" decor scheme. (Difference is also defined in the Fixture Description.) X-refs with no suffix indicate the fixture is used in both schemes. The Mark number (on Drawings and this Matrix) and x-ref on the Design Guideline Drawings will contain no suffix.**~~

Light Fixture Matrix

TownePlace Suites

Gen 5 - New Build - Real Living

Universal Mark	I.D. X-Ref	Product Type	Manufacturer	Model No.	Size (L x W x H) Sconce (H x W x D)	Fixture Description	Mount	On Dimmer / Dimmer Type	* Lamp Category * Temp * CRI * Deliv Lumens	Lamp Life / Fixture Life (Hrs)	* Lamp Qty * Lamp Bulb / Base Type * Lamp Model No.	* Fixture Input Watts (Max) * Volts	Area	Location
ALB-019-CL		Recessed Box	Cooper/ Metalux	22GR-LD5-32-FI-UNV-L835-CDI-U	24"L x 24"W x 3.25"H	2x2 Recessed Lensed Troffer. A12 Shielding *Finish: *Trim: white *Reflector: *Lens: Acrylic Prismatic Frosted Lens	Recessed ACT	No 0-10V	* LED-I * 3500K * 85+ * 3277	60,000 Hrs	* Qty = * *	* 27.6W * 120-277V	BOH	House Laundry, Laundry Storage, Dryers, Employee Restroom
ALB-019-PH		Recessed Box	PHILIPS DAY-BRITE	2TG38L835-2-FS-02F-UNV-DIM	24"L x 24"W x 3"H	T-GRID 2x2 Recessed Troffer *Finish: white *Trim: white *Reflector: *Lens: acrylic diffuse	Recessed ACT	NO 0-10V	* LED * 3500K * 80 * 3660	50000	* Qty = * *	* 33W * 120-277V	BOH	House Laundry, Laundry Storage, Dryers, Employee Restroom
ALC-030		Controls	Cooper/ WaveLinx/ iLumin	For more information refer to New Build Public Space Building Product Manual		Centralized Dimming System.- Optional (Note: Refer to Separate System descriptions for Fitness Room and ~~Meeting Room~~ NOT to be included in Centralized System) *Finish: *Trim: *Reflector: *Lens:	Flex	N/A	* * * * N/A	N/A	* Qty = * *	* W * V	Public Space	~~Optional~~ General Lighing - Controls(Refer to Design Guideline Systems Criteria Drawing)
REMOVE LUTRON														
ALC-031		Controls	Eaton Cooper	For more information refer to New Build Public Space Building Product Manual		Fitness Center Room Controller (To be separate from Centralized System. Lights to be controlled with occupancy sensors to provide 50% dimming when unoccupied.) *Finish: *Trim: *Reflector: *Lens:		N/A	* * * * N/A		* Qty = * *	* W * V	Public Space	Fitness Room
REMOVE LUTRON														
ALC-032		Controls	Eaton Cooper	For more information refer to New Build Public Space Building Product Manual	Flex	~~Mtg Room~~ Dimmer and keypad. (To be separate from Centralized System) *Finish: *Trim: *Reflector: *Lens: 112-Key Only		N/A	* * * * N/A	N/A	* Qty = * *	* W * V	Public Space	Flex

NOTE 1: Items with an ID X-Ref # are items purchased through Marriott's Procurement Division as FF&E items (Furniture, Fixture, Equipment) if this service is selected by Owner. Confirm with Owner whether to include these "decorative" but hardwired lighting fixtures in the scope of the General Contractor, or whether to remove if they are provided by Marriott Procurement Services.

~~NOTE 2: Mark Numbers followed by an "ALT" = Alternative supplier of fixture. Mark Numbers followed by an "OPT" = Optional Choice of fixture.~~

~~NOTE 3: For the Neuhaus Décor Package, the x-ref listed in this matrix contains the suffix indicating whether the fixture is to be included in either the "Honed" or the "Weave" decor scheme. (Difference is also defined in the Fixture Description.) X-refs with no suffix indicate the fixture is used in both schemes. The Mark number (on Drawings and this Matrix) and x-ref on the Design Guideline Drawings will contain no suffix.~~

Light Fixture Matrix

TownePlace Suites

Gen 5 - New Build - Real Living

REMOVE LUTRON

SEE INTERIOR DESIGN SPECIFICATION MANUAL FOR DECORATIVE LIGHTING

Universal Mark	I.D. X-Ref	Product Type	Manufacturer	Model No.	Size (L x W x H) Sconce (H x W x D)	Fixture Description	Mount	On Dimmer / Dimmer Type	* Lamp Category * Temp * CRI * Deliv Lumens	Lamp Life / Fixture Life (Hrs)	* Lamp Qty * Lamp Bulb / Base Type * Lamp Model No.	* Fixture Input Watts (Max) * Volts	Area	Location
D16B	X-404	Track Lighting	Project Light Inc.	TBD	4' track with 6-1/2" x 2- 3/4" Track Head for use w/Ceilings 8'-5"AFF and below.	4' track with two heads - for use when ceiling is 8'-5" and below. *Finish: *Trim: *Reflector: *Lens: Solite	Surface Mount	Yes	* LED * 3000K * 80 * 440	25000	* Qty = 2 * Philips LED MR16, 2-pin#457481 * LED MR16 35 deg Beam	* 14W * 120V	Guestroom	Typical Near Closet, QQ Rooms over Dining Table
D30	X-305H	Wall Sconce	Trinity Lighting, Inc.	X-409 Wall Sconce	42" Tall x 11-3/4" Wide	Wall sconce with circular pattern *Finish: Semi-Gloss SW9170 Acier, Flat Black, Semi-Gloss SW7016 Mindful Gray, Sungold *Trim: *Reflector: *Lens:	Vertical on Wall	No	* LED * 3000 * 90 * 550		* Qty = 1 * Emery Allen/ 5W LED EA-G9.5.0W-001-309F-D *	* 5W * 120V	Guestroom	
D31	X-400	Flush Mtd Ceiling Light	Ashley Lighting, Inc.	93243-CL-04	4.5"H x 16" Dia.	Circular fixture with 16" diameter 4.5" depth mesh steel shade with 5/8" mounting pan, and 13-7/8" diameter blown glass diffuser *Finish: Steel Shade painted Matte Black PC exterior, painted Renew Gold on interior shade, powder coat white mounting pan *Trim: *Reflector: *Lens: Blown glass frosted white	ceiling	No	* LED Bulb * 2700K * 82 * 1600	25,000 Hrs	* Qty = 2 * LED Enclosed Rated Omnidirectional A-Lamp * MAXLITE E15A19DLED24/G6	* 15W * 120V	Guestroom	Kitchen
D32	X-305	Wall Sconce	Trinity Lighting, Inc.	X-409 Wall Sconce	42" Tall x 11-3/4" Wide	Wall sconce with circular pattern *Finish: Semi-Gloss SW9170 Acier, Flat Black, Semi-Gloss SW7016 Mindful Gray, Sungold *Trim: *Reflector: *Lens:	Vertical on Wall	No	* LED * 3000 * 90 * 550		* Qty = 1 * Emery Allen/ 5W LED EA-G9.5.0W-001-309F-D *	* 5W * 120V	Guestroom	
D68	PG-400	Ceiling	Ashley Lighting, Inc.	93243-CL-08	4.5"H x 18" Dia.	Circular surface mounted fixture with 14" diameter aluminum back plate with 18" diameter spun part shade *Finish: Matte white *Trim: *Reflector: *Lens: Frosted white acrylic diffuser	ceiling	No	* LED Bulb * 3000K * 90 * 1650	40,000 Hrs	* Qty = 1 * 5.5" diameter LED Round Light Engines - Generation 2 * MAXLITE LER5.5B2330C	* 23W * 120V	Public Space	Corridors

NOTE 1: Items with an ID X-Ref # are items purchased through Marriott's Procurement Division as FF&E items (Furniture, Fixture, Equipment) if this service is selected by Owner. Confirm with Owner whether to include these "decorative" but hardwired lighting fixtures in the scope of the General Contractor, or whether to remove if they are provided by Marriott Procurement Services.

~~**NOTE 2: Mark Numbers followed by an "ALT" = Alternative supplier of fixture. Mark Numbers followed by an "OPT" = Optional Choice of fixture.**~~

~~**NOTE 3: For the Neuhaus Décor Package, the x-ref listed in this matrix contains the suffix indicating whether the fixture is to be included in either the "Honed" or the "Weave" decor scheme. (Difference is also defined in the Fixture Description.) X-refs with no suffix indicate the fixture is used in both schemes. The Mark number (on Drawings and this Matrix) and x-ref on the Design Guideline Drawings will contain no suffix.**~~

Light Fixture Matrix

TownePlace Suites

Gen 5 - New Build - Real Living

Universal Mark	I.D. X-Ref	Product Type	Manufacturer	Model No.	Size (L x W x H) Sconce (H x W x D)	Fixture Description	Mount	On Dimmer / Dimmer Type	* Lamp Category * Temp * CRI * Deliv Lumens	Lamp Life / Fixture Life (Hrs)	* Lamp Qty * Lamp Bulb / Base Type * Lamp Model No.	* Fixture Input Watts (Max) * Volts	Area	Location
SEE INTERIOR DESIGN SPECIFICATION MANUAL FOR DECORATIVE LIGHTING														
D209	LM-402	Pendant	Trinity Lighting, Inc.	TBD	64"W X 36"D	Steel Canopy with pure white matte finish with various globe shade sizes. Fixture supsended by 6" cutable suspension cable. *Finish: Mounting plate powder coated white, Wood OPT3 Water transfer finish steel *Trim: *Reflector: *Lens: Frosted opal white glass globe	ceiling	Yes	* LED * 2700K * 92 * 800	25,000 Hrs	* Qty = 6 * LED Omnidirectional A-Lamp * MAXLITE 10A19DLED927 /G2/JA8	* 10W * 120V	Public Space	Community
D212	LM-400	Pendant	Ashley Lighting, Inc.	93243-CL-03	48"H x 10" Dia.	Sphearacle 10" diameter pendant glass shade suspended by plated bronze steel canopy with 38" adjustable steel cable. *Finish: Plated broze steel canopy, steel cable *Trim: *Reflector: *Lens: Clear glass	ceiling	Yes	* LED * 2700K * 84 * 800	15,000 Hrs	* Qty = 1 * LED Filament Lamp * MAXLITE F7A19DLED27/ G2	* 7W * 120V	Public Space	Welcome Desk
D213	LM-401	Pendant	Ashley Lighting, Inc.	SG-LT-2-A	30"H x 24" Dia.	Sphearacle 5", 9", AND 13" diameter pendant glass shade suspended by 8" diameter steel plate suspended by 6" cutable suspension cable. *Finish: Mounting plate powder coated white, Wood OPT3 Water transfer finish steel *Trim: *Reflector: *Lens: Frosted opal white glass globe	ceiling	Yes	* LED * 2700K * 92 * 800	25,000 Hrs	* Qty = 3 * LED Omnidirectional A-Lamp * MAXLITE 10A19DLED927 /G2/JA8	* 10W * 120V	Public Space	Hub
D214	LM-403	Pendant	Trinity Lighting, Inc.	TBD	54"W x 30"D	Steel Canopy with pure white matte finish with various cone shade sizes. Fixture supsended by 6" cutable suspension cable. *Finish: Stem and canopy to match SW7005 Pure White matte finish, Hydrographic Wood stained finish to match WilsonArt Beigewood 7850-60 at top of lens (typ) *Trim: *Reflector: *Lens: Metal shade colors vary all matte finish: SW7016 Mindful Gray, SW6683 Bee White, SW6221 Moody Blue, SW6220 Interesting Aqua. Frosted acrylic diffuser at bottom.	ceiling	Yes	* LED * 2700K * 93 * 450	15,000 Hrs	* Qty = 5 * LED Omnidirectional A-Lamp * MAXLITE E6A19DLED92 7/JA8	* 6W * 120V	Public Space	Buffet Island
D216A	PG-401A	Sconce	Vibia	TBD	TBD	Vibia Pin Wall light *Finish: TBD *Trim: *Reflector: *Lens: TBD	Wall	No	* TBD * * *		* Qty = * *	* W * V	Public Space	Elevator Lobby

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Light Fixture Matrix

TownePlace Suites

Gen 5 - New Build - Real Living

Universal Mark	I.D. X-Ref	Product Type	Manufacturer	Model No.	Size (L x W x H) Sconce (H x W x D)	Fixture Description	Mount	On Dimmer / Dimmer Type	* Lamp Category * Temp * CRI * Deliv Lumens	Lamp Life / Fixture Life (Hrs)	* Lamp Qty * Lamp Bulb / Base Type * Lamp Model No.	* Fixture Input Watts (Max) * Volts	Area	Location
SEE INTERIOR DESIGN SPECIFICATION MANUAL FOR DECORATIVE LIGHTING														
D216B	PG-401B	Sconce	Vibia	TBD	TBD	Vibia Pin Wall light *Finish: TBD *Trim: *Reflector: *Lens: TBD	Wall	No	* TBD * * *		* Qty = * *	* W * V	Public Space	Elevator Lobby
ALO-007-CL		Occupancy Sensor	Cooper/ Greengate	OAC-P-0500-MV	4.5"W DIAM X 1.42" H	Microset PIR Line Voltage Ceiling Sensor with Time Delay and sensitivity, optional built-in light level sensor, optional BAS/HVAC isolated relay. Uses ultrasonic and passive Infrared technology *Finish: White Poly Resin *Trim: *Reflector: *Lens:	ceiling	no	* n/a * n/a * * n/a		* Qty = * n/a *	* W * V	Guestroom	Vestibule at Lockout Room
ALJ-048-CL		Low Profile Undercabinet	Cooper/ Halo	HU1124D9SMB	23.98"L x 4.37"W x .76"H	2' Undercabinet Strip w/Switch (connecting accessories available for connecting fixtures, see spec sheet) *Finish: White *Trim: White *Reflector: *Lens: Acrylic	Surface / Undercabinet	No Std Incandescent dimmer	* LED * 3000K * 90 * 660	50,000 Hrs	* Qty = * *	* W * 120V	Public Space, BOH	Buffet & Employee Breakroom
Matte Black														
J02B		Low Profile Undercabinet	Eaton - Halo	HU1036D930P	32.44"L x 4.37"W x .76"H	3' Undercabinet Strip w/Switch (connecting accessories available for connecting fixtures, see spec sheet) *Finish: White *Trim: White *Reflector: *Lens: Acrylic	Surface / Undercabinet	No Std Incandescent dimmer	* LED * 3000K * 90 * 990	50,000 Hrs	* Qty = * *	* W * 120V	Public Space, BOH	Buffet
REMOVE														
ALJ-049-CL		Low Profile Undercabinet	Cooper/ Halo	HU1148D9SMB	47.18"L x 4.37"W x .76"H	4' Undercabinet Strip w/Switch (connecting accessories available for connecting fixtures, see spec sheet) *Finish: White *Trim: White *Reflector: *Lens: Acrylic	Surface / Undercabinet	Yes Std Incandescent dimmer	* LED * 3000K * 90 * 1320	50,000 Hrs	* Qty = * *	* W * 120V	Public Space, BOH	Buffet
Matte Black														
ALJ-020-CL		Surface Mounted Wrap	Cooper/ Metalux	4WNLED-LD4-40SL-FUNV-L835-CD1-U	48"L x 7 5/8"W x 1.5"H	4' - "WNLED" Surface Mounted Wrap *Finish: Acrylic *Trim: *Reflector: *Lens: Acrylic	Surface or Stem (if stem - order kit separately)	No 0-10V	* LED * 3500K * 85+ * 4062	60,000 Hrs	* Qty = * *	* 36W * 120-277V	BOH	Pool Equip. / Pool Storage
ALJ-020-PH		Surface Mounted Wrap	PHILIPS DAY-BRITE	OWL440L835-UNV-DIM	48"L x 8 5/8"W x 2 11/16"H	OWL Wraparound LED Linear surface mount general illumination luminaire *Finish: ACRYLIC *Trim: *Reflector: *Lens:	SURFACE	NO 0-10V	* LED * 3500K * 80 * 3933	50,000 HRS	* Qty = * *	* 37W * 120-277V	BOH	Pool Equip. / Pool Storage
ALJ-050-CL		Linear Box Light	Cooper/ NeoRay	S123DS-8C340D830JB-8FO/8-U-DD-F-W	8'L x 2.68"W x 4.5"H	8' Neoray Define surface fixture *Finish: WHITE *Trim: WHITE *Reflector: *Lens: DROP LENS	SURFACE	Yes	* LED-I * 3000K * 85+ * 2380	60,000 Hrs	* Qty = * *	* 28W * 120-277V	Public Space	Welcome Desk

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Light Fixture Matrix

TownePlace Suites

Gen 5 - New Build - Real Living

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ALJ-051-FL		Round puck lights in millwork provided by Millwork Contractor	Furnlite furnlite by DEKKO	FC-492-BK (1 per cubbie, qty of cubbies vary) FC-123 Brushed nickel Snap-on Ring Coordinating transformer	3-1/4" DIAMETER	Round puck lights surface mounted in upper kitchen cabinets. Beam angle 40 deg. Max 8 linked together *Finish: SILVER *Trim: *Reflector: *Lens:	RECESSED	NO N/A	* Integrated LED * 3000 * 80 * 128	10,000 Hrs	* Qty = 1 * *	* 2W * 12V	Guestroom	Millwork - Upper Cabinets
ALJ-052-FL		Strip light Provided by Millwork Contractor	Furnlite furnlite by DEKKO	FC-498-Bundle, includes 8 watt transformer, clips, and 30' connecting wire to connect strip to transformer. Add FC-498 for connecting strips to strips.	12" LIGHT STRIP	Low-voltage Strip lights for undercounter cabinets. Includes 8-watt transformer, Up to 3 strips can be connected to 1 transformer. *Finish: BLACK *Trim: *Reflector: *Lens:	SURFACE	NO N/A	* Integrated LED * 3000 * 80 * 128	10,000 Hrs	* Qty = 27/ft * *	* 2.2W * 12V	Guestroom	Millwork - under cabinet
ALO-004-PH		Jelly Jar Sconce	Philips Quality Exceline	RLW26HFLCGC-1	8.6"W x 10.38"H	White powder coated aluminum with cage. Heat and shock resistant optical chamber. Lamps supplied with fixture. *Finish: *Trim: *Reflector: *Lens: glass	wall	No	* Compact Fluorescent * 3000K * * 1530	16,000 Hrs	* Qty = 1 * Philips PL-T 26W/830/4P/AL TO#268235 *	* 28W * 120V	BOH	Elevator Pit
ALO-005		Pool Light	Provided by Pool Manufacturer			underwater pool light *Finish: *Trim: *Reflector: *Lens: glass	wall	no	* Incandescent * * * TBD		* Qty = * *	* W * 120V	Public Space	Pool (underwater)
ALO-006-INS		Natatorium Rated Wall Sconce	Insight Lighting	MLE/DWLED-60-40K-WM-INT-W-NAT	11-1/8" L x 13-1/8" D x 4-1/8"H	"DecoLED" Wet listed natatorium rated fixture with aluminum treated powder-coat painted finish, Stainless Steel Hardware. ETL approved. 5 year warranty *Finish: semi-gloss White *Trim: *Reflector: *Lens: clear light grade acrylic	wall	no	* LED * 4000K * TBD * 7000	75,000 Hrs	* Qty = * *	* 120W * 120/277V	Public Space	Indoor pool (when included)
ALR-029-CL		Down Light	Cooper/ Halo	H550ICAT/ML5609930/592H	10.5"L x 5.5"W x 7"H	ML 5" Downlight Recessed *Finish: *Trim: *Reflector: *Lens:	recessed	opt	* LED * 3000K * 90+ * 842		* Qty = * *	* 13.4W * 120-277V	Public Space	Lobby, Elevator Landing (Uppr & Lower), Buffet, Community, Hub, Vestibule & Corridor, Lockout Vestible, Welcome Desk, Public RR
ALR-029-PH		Down Light	PHILIPS LIGHTOLIER	L5RAZ10UVA / L5R10930VA / L5RDD	11.625"Lx8"Wx3.375"H	Lytecaster LED 5" DOWNLIGHT RECESSED *Finish: *Trim: *Reflector: *Lens:	RECESSED	yes	* LED * 3000 * 90 * 845	50000	* Qty = * *	* 13W * 120-277V	Public Space	Lobby, Elevator Landing (Uppr & Lower), Buffet, Community, Hub, Vestibule & Corridor, Lockout Vestible, Welcome Desk, Public RR

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Light Fixture Matrix

833.73.547: LED2029 12V/10.5W 45IN 3000K LINK CABLE
833.74.960: LED DRIVER PL BL 12V/0-20W
833.89.003: LED POWR CORD F/DRVR 2PRNG US PLG BL 2M
833.89.128: IR DOOR PL SILV C 12MM MOD
833.89.092: SWITCH SURFACE MOUNT HOUSING PL SILV
833.89.141: MOD SWITCH CBL BL 1000MM

TownePlace Suites

Gen 5 - New Build - Real Living

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ALR-050-CL		Down Light	Cooper/ Halo	H550ICAT/ML5609930/595WW	10.5"L x 5.5"W x 7"H	ML Downlight Recessed Wall Wash *Finish: *Trim: *Reflector: *Lens:	recessed	opt	* LED * 3000K * 90+ * 842		* Qty = * *	* 13.4W * 120-277V	Public Space	Lobby - Welcome Desk Back wall, TowneMap Wall, In-A-Pinch, Buffet Breakfast Mural
ALR-050-PH		Down Light	PHILIPS LIGHTOLIER	L5RAZ10UVA / L5RA10930WVA	11.625"Lx8"Wx3.375"H	Lytecaster LED 5" DOWNLIGHT RECESSED WALL WASH ADJUSTABLE *Finish: *Trim: *Reflector: *Lens:	RECESSED	yes	* LED * 3000 * 90 * 845	50000	* Qty = * *	* 13W * 120-277V	Public Space	Lobby - Welcome Desk Back wall, TowneMap Wall, In-A-Pinch, Buffet Breakfast Mural
ALR-043-CL		Down Light	Cooper/ Halo Commercial	HC620D010-HM612930-61MDH	13"L x 7.5"W x 7"H	Downlight Recessed *Finish: *Trim: ~~13"L x 7.5"W x 7"H~~ *Reflector: *Lens:	Ceiling Recessed	Yes 0-10V	LED 3000K 90+ 1749	50,000	~~* Qty = 1749~~ ~~* 50,000 Hrs~~ *	* W * V	Public Space	Flex
ALR-043-PH		Down Light	PHILIPS LIGHTOLIER	P6RD15NZ10UVB / P6RD930VB / P6RDCCP	12.875"Lx7.5Wx4.5"H	Lyteprofile LED Downlight SURFACE MOUNTED STRIP LIGHT WITH LINKABLE CABLE WITH DOOR SENSOR SWITCH *Finish: Clear Anodized *Trim: *Reflector: *Lens: Milk	Ceiling recessed	YES 0-10V	* LED * 3000K * 90 * 1456	50000	* Qty = * *	* 15.7W * 120-277V	Public Space	Flex
ALJ-053-HA		Strip Light	Hafele	2NDLED-LD5-18SL-LN-UNV-L830-CD1-U	45"L x 0.73"W x 1/2"H		ceiling (surface)	No	* LED * 3000K * 90 891	30,000	* Qty = 1 ~~* LED 5.0~~ *	* 10.5W * 120/277V	Guestroom	Guestroom closet
ALR-030-CL		Down Light	Cooper/ Halo Commercial	HC615D010-HM612930-61MDH	Housing: 13"L x 7.5"W x 7"H	Downlight 6" Apperature *Finish: Semi-specular clear *Trim: Polished flange standard with C & H reflectors *Reflector: Haze *Lens: NA	Ceiling Recessed	yes 0-10V	* LED * 3000K * 90+ * 1235	50,000 Hrs	* Qty = * *	* 13.7W * 120/277V	Public Space	stairwell
ALR-030-PH		Down Light	PHILIPS Lightolier	P6RD15NZ10UVB / P6RD930VB / P6RDCCP	12.875"Lx7.5Wx4.5"H	LYTEPROFILE Downlight 6" Apperature *Finish: Comfort Clear *Trim: Comfort Clear trim and flange *Reflector: Comfort Clear Aluminum *Lens:	recessed	Yes 0-10V	* LED * 3000 * 90 * 1412	50000	* Qty = * *	* 15.3W * 120-277V	Public Space	stairwell
ALR-030-CL-A1		Downlight Emergency	Cooper/ Halo	HC615D010-IEM7-HM612830-61MDH IEM	13"L x 7.5"W x 7"H (26"L with bar hangars)	6" Apperature Emergency DownLight *Finish: Clear *Trim: Haze Trim and Flange *Reflector: Clear *Lens:	Ceiling recessed	No N/A	* LED * 3000K * 80+ * 1452	50,000 Hrs	* Qty = * *	* 13.7W * 120-277V	Public Space	stairwell
ALR-030-PH-A1		Downlight Emergency	Philips Lightolier	P6RD20NZ10UVBEM / P6RD830VB / P6RDCCP	12.875"Lx7.5Wx4.5"H	Lyteprofile LED 6" Emergency Light *Finish: Comfort Clear *Trim: Comfort Clear trim and flange *Reflector: Comfort Clear Aluminum *Lens:	Ceiling recessed	NO 0-10V	* LED * 3000K * 80 * 1907	50000	* Qty = * *	* 20.7W * 120-277V	Public Space	stairwell

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Light Fixture Matrix

TownePlace Suites

Gen 5 - New Build - Real Living

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ALR-030-CL-A2		Surface Mount Downlight (For Block and Plank construction)	Cooper/ Halo	PR8S15D010MW-PR8M12WDMW-3000K	3 1/2" H x 11 3/16" W	Downlight 8" Aperature - Surface Mount *Finish: White *Trim: White *Reflector: None *Lens: Clear	Surface	No 0-10V	* LED * 3000 * 82+ * 1591	50000	* Qty = * *	* 15W * 120/277V		Stairwell Block and Plank installations surface mount to JBOX. 10 Foot ceiling and below
ALR-030-PH-A2		Surface Mount Downlight (For Block and Plank construction)	Philips Lightolier	S7R830K10	7"Lx7"Wx0.625"H	SlimSurface LED Surface Mounted Downlight to Jbox (use this oprion when EM generator circuit available for Stairwell Egress lighting) *Finish: WHITE *Trim: WHITE *Reflector: NONE *Lens: CLEAR	SURFACE	NO	* LED * 3000 * 80 * 1000	50000	* Qty = * *	* 14W * 120V		Stairwell Block and Plank installations surface mount to JBOX. 10 Foot ceiling and below
ALR-030-CL-A3		Surface Mount direct indirect light	Cooper/ Metalux	4SWLED-LD4-48HL-LW-UNV-L835-CD1-SVPD2 Order (1) ISHH-01 Per project for onsite configuration. 100% on occupancy, 50% unoccupied or to program to meet local code requirements.	52" L x 4 11/16" H x 4 1/2" W	Surface Mount stairwell light with integrated sensor. *Finish: White with Wide Distribution Lens *Trim: White *Reflector: Frosted Lens with Wide Distribution *Lens: Frosted	Wall Surface or Ceiling Surface	NO, drops to 50% when space unoccupied 0-10V	* LED * 3500K * 80+ * 4800	50,000 Hrs	* Qty = * *	* 43.3W * 120-277V	Public Space	Stairwell
ALR-072-CL		Down Light	Cooper/ Halo Commercial	HC610D010-HM612930-61MDH	13"L x 7.5"W x 7"H	6" Downlight *Finish: *Trim: Haze Trim *Reflector: *Lens:	Ceiling recessed	Yes 0-10V	* LED * 3000K * 90+ * 910		* Qty = * *	* 9.9W * V	Public Space	Fitness Center
ALR-072-PH		Down Light	PHILIPS Lightolier	P6RD10NZ10UVB / P6RD830VB / P6RDCCP	12.875"Lx7.5Wx4.5"H	LyteProfile LED 6" Downlight *Finish: Comfort Clear *Trim: *Reflector: Comfort Clear Aluminum *Lens:	recessed	Yes 0-10V	* LED * 3000 * 90 * 953	50000	* Qty = * *	* 10.2W * 120-277V	Public Space	Fitness Center
ALR-031-CL		Downlight	Cooper/ Halo	E550ICAT - ML5609930-592W	9 7/8" L x 6 3/4" H x 63/4" W	5" ML Downlight *Finish: White *Trim: White *Reflector: White *Lens:	Ceiling recessed	No	* LED * 3000K * 90 * 832	50000	* Qty = * *	* 9.4WW * 120-277V	Guestroom	Bath
ALX-002-CL		Exit / Emergency Light	Cooper/ Surelites	CX71 Die Cast Aluminum Emergency Exit light sign with Battery Back up, single sided	8 1/4"H x 12 5/8"W x 2 1/4"D	Die Cast Aluminum Emergency Exit light sign with Battery Back up *Finish: *Trim: *Reflector: *Lens:		No N/A	* LED/RED * * *		* Qty = * *	* 1W * 120/277V	Public Space	Exit
ALX-002-PH		Exit / Emergency Light	PHILIPS CHLORIDE	ER55L3WR	8.5"H x 12.8125"W x 1.75"D	Emergency Exit light sign with Battery Back up *Finish: *Trim: *Reflector: *Lens:		No N/A	* LED/RED * * *		* Qty = * *	* 3.08W * 120/277V	Public Space	Exit

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ALX-003-CL		Exit	Cooper/ Surelites	CX61 No Battery Backup	8 1/4"H x 12 5/8"W x 2 1/4"D	Die Cast Aluminum LED Exit Sign No Battery Backup *Finish: *Trim: *Reflector: *Lens:	Surface	No N/A	* LED/RED * * *		* Qty = * *	* 1W * 120/277V	Public Space	Exit
ALX-003-PH		EXIT	PHILIPS CHLORIDE	55L3WR	8.5"H x 12.8125"W x 1.75"D	LED Exit Sign No Battery Backup *Finish: *Trim: *Reflector: *Lens:	SURFACE	NO N/A	* LED/RED * * * *		* Qty = * *	* 2.48W * 120/277V	Public Space	Exit
ALX-004-CL		Emergency Light	Cooper/ Surelites	SEL25SD	4 3/4"H x 14"W x 1 3/4"D	2 Head emergency battery - white. For use with ALX-002	Surface Wall / Ceiling	No	* LED/WHITE * * *		* Qty = * *	* W * 4.8VV	Public Space	Exit
ALX-004-PH		Emergency Light	PHILIPS CHLORIDE	VLLU2	4.25"H x 7.3125"W x 3.1875"D	2 Head emergency battery - white For use with X01 *Finish: *Trim: *Reflector: *Lens:	Surface Wall / Ceiling	No	* LED/WHITE * * *		* Qty = * *	* 0.7W * 3.6VV	Public Space	Exit
ALZ-026-KI		Mount Top Light	Kichler Lighting	MS49349AZ	19" H x 9.5" W	"Pacific Edge Collection" Outdoor Post top, wet listed *Finish: bronze *Trim: *Reflector: *Lens: Glass satin etched cased Opal	Mount on Base ALZ-026A	No n/a	* LED bulb * 4000K * 80 * 1125		* Qty = 1 , not included * * med E26 base	* W * 120V	Exterior	outdoor pool on top of wall
ALZ-026A-KI		Base for Top Mount	Kichler Lighting	9530OZ	7" outer diameter, 3.5" high, 4 bolt location	Accessory pedestal adaptor (mount) Cast aluminum Round pier base for use with ~~Z17~~ light fixture installation on top of wall *Finish: Bronze *Trim: *Reflector: *Lens:	top of wall ALZ-026	n/a n/a	* * * *		* Qty = * *	* W * V	Exterior	outdoor pool on top of wall
ALY-007-CL		Down Light	Cooper/ Halo Commercial	HC610D010-IEM7-HM612840-61MDC IEM	13"L x 7.5"W x 7"H (26"L with bar hangars)	Downlight 6" Recessed Emergency backup - Wet location *Finish: *Trim: clear *Reflector: *Lens:		No N/A	* LED * 4000K * 80+ * 1223	50,000 Hrs	* Qty = * *	* 9.9W * 120/277V	Exterior	back entrance
ALY-007-PH		Down Light	PHILIPS Lightolier	P6RD10NZ10UVBEM / P6RD840VB / P6RDCCP	12.875"Lx7.5Wx4.5"H	LyteProfile Downlight 6" Recessed Emergency backup - Wet location *Finish: *Trim: clear *Reflector: *Lens:		NO 0-10V	* LED * 4000K * 80 * 1033	50000	* Qty = * *	* 10.2W * 120-277V	Exterior	back entrance
ALY-001-CL		Wall Pack	Cooper/ Lumark	XTOR2B-W	6 3/4" L x 5 3/4"W x 3 5/8"H	Crosstour LED - wall pack,surface, LED *Finish: *Trim: *Reflector: *Lens:	surface	No N/A	* LED * 3500K * TBD * 1523	72,000 Hrs	* Qty = * *	* 18W * 120V	Exterior	Maintenance entrances at building rear
ALX-005-CL		Exit / Emergency Light	Cooper/ Surelites	CX72 Die Cast Aluminum Emergency Exit light sign with Battery Back up, double sided	9 1/4"H x 12 5/8"W x 2 1/4"D	Die Cast Aluminum Emergency Exit light sign with Battery Back up *Finish: *Trim: *Reflector: *Lens:		No N/A	* LED/RED * * *		* Qty = * *	* 1W * 120/277V	Public Space	Exit

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Light Fixture Matrix

TownePlace Suites

Gen 5 - New Build - Real Living

Universal Mark	I.D. X-Ref	Product Type	Manufacturer	Model No.	Size (L x W x H) Sconce (H x W x D)	Fixture Description	Mount	On Dimmer / Dimmer Type	* Lamp Category * Temp * CRI * Deliv Lumens	Lamp Life / Fixture Life (Hrs)	* Lamp Qty * Lamp Bulb / Base Type * Lamp Model No.	* Fixture Input Watts (Max) * Volts	Area	Location
ALY-001-PH		WALL PACK	PHILIPS STONCO	LPW7-8BZ	7.57" L x 4.37"W x 3.87"H	LYTEPRO LED SCONCE *Finish: *Trim: *Reflector: *Lens: Finish is Bronze	SURFACE	NO N/A	* LED * 4000K * * 1154	50000	* Qty = * *	* 14W * 120-277V	Exterior	Maintenance entrances at building rear
ALY-036-CL		Exterior Wall Sconce	Cooper/ Shaper	673-16WP-L3-830-BM-UNV-2VTB-PC-BC	16" x 8 3/8"W x 4" H	Decorative Wet Location Exterior Rated Sconce *Finish: *Trim: *Reflector: *Lens: Finish is Bronze Metallic	Surface	No 0-10V	* LED * 3000K * 83+ * 2000	50000	* Qty = * *	* 19W * 120/277V	Exterior	Ext Side, Front & Pool Entrance
ALZ-027-CL		Bollard	Cooper/ Invue	ABB-B2-LED-42-D1-S-DP	4" d x 42" h	Aluminum Bollard with flat top *Finish: Dark Platinum *Trim: *Reflector: *Lens:	surface	No 0-10v Dimming	* LED * 4000K * 70 * 1248		* Qty = * *	* 32W * 120/277V	Exterior	Path Light / Drop-off
ALZ-027-PH		Bollard	Philips Hadco	RF6IKF10NA	6"Diam. X 37 7/8"H	Aluminum 6" Bollard , Grey flat top *Finish: *Trim: *Reflector: Cone *Lens: Finish is Gray	Concrete Pad	No	* LED-I * * * 1000	50,000 Hrs	* Qty = * *	* 25W * 120-277V	Exterior	Path Light / Drop-off
ALZ-009-CL		Pole	Cooper/ Lumark	SSS-5-A-25-S-F-M-1	25' Pole 5" Square, .120 Thickness	25' Pole Square Steel *Finish: Bronze *Trim: *Reflector: *Lens:		N/A	* * * *		* Qty = * *	* W * V	Exterior	parking lot
ALZ-009-PH		Pole	PHILIPS GARDCO	SSS25-5-11-D1-BRP; 3/4-18-3.75A/B2N-2W-1LW	25' Pole 5" Square, .120 Thickness	25' Pole Square Steel *Finish: Bronze *Trim: *Reflector: *Lens:		N/A	* * * *		* Qty = * *	* W * V	Exterior	parking lot
ALZ-010-CL		Pole Light	Cooper/ Lumark	PRVS-A40-UNV-T4	26 13/16"L x 13 15/16" W x 2 3/4" H	"Prevail" Exterior Site Head Type IV Bronze *Finish: Bronze *Trim: *Reflector: *Lens:	Pole Z61	No 0-10V	* LED * 4000K * 70 * 15157	60,000 Hrs	* Qty = * *	* 143W * 120/277V	Exterior	parking lot
ALZ-010-PH		POLE LIGHT	PHILIPS GARDCO	ECF-S-48L-900-NW-G2-AR-4-UNV-DD-BZ	24.2"L x 13" W x 2.1" H	ECOFORM SITE HEAD TYPE IV BRONZE *Finish: bronze *Trim: *Reflector: *Lens:	POLE Z61	NO 0-10V	* LED * 4000K * 70 * 16795	60000	* Qty = * *	* 135W * 120-277V	Exterior	parking lot
ALZ-028-PH		Pole Light	Philips Lumec	MPTC-16W16LED4K-T-LE5-120-PH8-BRTX	35" H; 17.75" Dia	"UrbanScape" Round Post top luminaire *Finish: Bronze *Trim: NA *Reflector: NA *Lens: Glass	Post top to Z66	No 0-10V	* LED * 4000K * 70 * 1691	100,000 Hrs	* Qty = NA * NA * NA	* 20W * 120V	Exterior	front patio/entrance

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Light Fixture Matrix

TownePlace Suites

Gen 5 - New Build - Real Living

Universal Mark	I.D. X-Ref	Product Type	Manufacturer	Model No.	Size (L x W x H) Sconce (H x W x D)	Fixture Description	Mount	On Dimmer / Dimmer Type	* Lamp Category * Temp * CRI * Deliv Lumens	Lamp Life / Fixture Life (Hrs)	* Lamp Qty * Lamp Bulb / Base Type * Lamp Model No.	* Fixture Input Watts (Max) * Volts	Area	Location
ALZ-029-PH		Pole	Philips Lumec	APR4U-8-BRTX-LBC4C	8' H; 4" Dia ALZ-028	For Z65 - one-piece, seamless 4" round (102 mm) tube of extruded aluminum welded to both the top and bottom of a cast-aluminum anchor plate. *Finish: Bronze *Trim: NA *Reflector: NA *Lens: NA	Anchor plate	NA NA	* NA * NA * NA *		* Qty = NA * NA * NA	* W * NAV	Exterior	front patio/entrance
ALY-037-CL		LED Strip - Graze	Cooper/iO	0.05-03W-840-60-OD-STD-UNV-AN-SM-E-XX	18", 36', 54', 72' Achitect to Configure as req.	Wet Listed LED Graze Lighting *Finish: stainless *Trim: *Reflector: *Lens: clear	Surface - Exterior ledge	No n/a	* LED * 4000K * 80+ * 286/lf		* Qty = * *	* 3.9 W/ft * 120V	Exterior	Exterior Roof
ALY-037-PH		LED Strip - Graze	PHILIPS COLOR KINETICS	523-000086-49; 108-000056-00; 108-000057-00	12", 24", 36", 48" Achitect to Configure as req.	Wet Listed LED Graze Lighting. Price shown is per 4'. *Finish: stainless *Trim: *Reflector: *Lens: clear	Surface - Exterior ledge	No n/a	* LED * 4000K * TBD *	60000	* Qty = * *	* W * 120-277V	Exterior	Exterior Roof
ALY-037-A1-CL		Flood	Cooper/ Lumark	NFFLD-C25-E-UNV-66-T-BZ-TS2/NFFLD-BZ	15 5/16" x 8 7/16" x 8 11/16"	LED Outdoor Flood IP66 Wet Location with Top and Side Visor *Finish: Bronze *Trim: *Reflector: *Lens:	Trunion mounted to roof	NO	* LED * 4000K * 70 * 9432	50,000 Hrs	* Qty = * *	* 211W * 120-277V	Exterior	Exteroir Roof
ALY-037-A1-PH		FLOOD	PHILIPS STONCO	LPF4-C-4K-FL-T-8-BZ	17.71 L x 13.87 H (incld mtg arm) x 8.76 deep	LED Outdoor Flood IP66 Wet Location with Top and Side Visor *Finish: Textured Dark Bronze *Trim: *Reflector: *Lens:	Trunion mounted to roof	no n/a	* LED * 4000K * 80 * 9191	50000	* Qty = * *	* 105W * 120-277V	Exterior	Exteroir Roof
ALY-038-CL		LED Strip	Cooper/iO	LM-05L-940-120-OD-UNV-SSM-ST-D-2F	24"L x 1.7" W x 1.8" H	CoviO 2' SNLED STRIP WITH SEMIFROST LENS *Finish: SILVER *Trim: *Reflector: *Lens: SEMIFROST	SURFACE	Yes 0-10V	* LED * 4000K * 90 * 1254	50,000 Hrs 126.6 lm/W	* Qty = * *	* 10W * 120-277V	Exterior	Porte Cochere (wing)
ALY-038-PH		LED Strip	PHILIPS DAY BRITE	FSS (length) 30L840UNVDIM		FLUXSTREAM NON 2', 3', 4', 8' LED STRIP WITH SEMIFROST LENS, DAMP LISTED - SELECT LENGTHS AS NEEDED. PRICE SHOWN IS PER 4' *Finish: WHITE *Trim: *Reflector: *Lens: SEMIFROST	SURFACE	Yes 0-10V	* LED * 4000K * 80 * Based on fixture length seleted	50,000 Hrs	* Qty = * *	Based on fixture length seleted * 120-277V	Exterior	Porte Cochere (wing)
ALY-039-CL		LED Strip	Cooper/iO	LM-10L-940-120-OD-UNV-SSM-ST-D-2F	24"L x 1.7" W x 1.8" H	CoviO 2' SNLED STRIP WITH SEMIFROST LENS *Finish: SILVER *Trim: *Reflector: *Lens: SEMIFROST	SURFACE	Yes 0-10V	* LED * 4000K * 90 * 1180	50,000 Hrs 119.2 lm/W	* Qty = * *	* 10 W * 120-277V	Exterior	Porte Cochere (center)

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Light Fixture Matrix

TownePlace Suites

Gen 5 - New Build - Real Living

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ALY-039-PH		LED Strip	PHILIPS DAY-BRITE	FSS430L840UNVDIM	44.75"L x 2.5"W x 3"H	Fluxstream 4' LED STRIP WITH SEMIFROST LENS, DAMP LISTED *Finish: SILVER *Trim: *Reflector: *Lens: SEMIFROST	SURFACE	Yes 0-10V	* LED * 4000K * 80 * 3045	50,000 Hrs	* Qty = * *	* 26W * 120-277V	Exterior	Porte Cochere (center)
ALJ-027-AC		Rebal Bar	Acclaim Lighting	Cove Light: DCD.142.DABE & DCD.142.AABE Start Cable: CA-CAF-03050 Link Cable for 1': CA-CAL-00305 Link Cable for 5': CA-CAL-00150	48"L x 1.5"W x 3.1"H 12" L x 1.5"W x 3.1"H	"DynaCove Interior SO" normal power linear cove light. 4' lengths to be strung together for total length. 1' lengths specified if needed. Beam Angle 120 deg *Finish: WHITE *Trim: *Reflector: *Lens:	Surface mounted in ceiling cove	Yes	* LED * 3000K * 85 * 574/FL	50000 Hrs	* Qty = * *	* 48 12W * 200-300V	Public	Hub
ALJ-054-CL		Cove Light - Wall Graze	Cooper/iO	GRZ-05L-930-30x60-ID-UNV-S-ADJ-STD-7F/1	7'L x 1.66"W x 2.43"H	CoviO Graze wall washing and grazing lighting fixture with integral driver *Finish: Standard Silver *Trim: *Reflector: *Lens:	Surface Mounted	Yes 0-10V	LED-I 3000K 90+	28,000 Hrs		120-277V	Public	Welcome Desk

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global

TOWNEPLACE SUITES
BY MARRIOTT

exterior signage
specifications

globaldesignstrategies

signage specifications

january 2020

revised: march 2020

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Introduction and Overview

This Sign Manual provides the general criteria for selection, sizing, and placement of the exterior signs on the hotel buildings. Sign selection, sizing and placement for custom, conversion, and existing buildings shall be reviewed by one of Marriott's accepted exterior sign suppliers and Marriott Global Design and Project Management Team.

Alternate colors and materials shall not be used on the signage shown in these guidelines. Any request for deviation must be submitted to Marriott Global Design and Project Management Team.

The manual is a guideline for franchisees, owners, and /or their architects and contractors and includes appropriate information for rendering building elevations for the permitting process. This Sign Manual is not intended for fabrication of signs. Contact one of Marriott's accepted exterior sign suppliers and/or Global Design and Project Management Team for procurement and installation information.

There are six types of signs outlined in this manual:

Channel Letters

Channel letters are used on Building exterior signage.

Entry Letters

Serves as a street level brand identification.

Monuments

Ground level monument signage is the main property identifier at street level, locations should be determined based on where the sign can be seen from vehicular traffic and where landscaping can best enhance the monument.

Pylons

Pylons are used in jurisdictions which require them, not a mandatory requirement by Marriott.

Directionals

Directional signs shall be provided to guide vehicular traffic through the property.

Blade signs

Blade signs are to be used in urban markets where exterior landscape is unavailable for a monument or pylon sign.

The selection of colors, materials and formats for TownePlace Suites property signage reflect the stature associated with the brand.

The primary signage structure shall not include non-Marriott brands unless required by code or development agreement. Signs shared by multiple brands shall be reviewed and approved by Marriott Global Design & Project Management prior to jurisdictional review and/or supplier fabrication.

Color Specifications

Paint Finishes:

Matthews MAP-LVS929
Carbon Black, satin finish
RAL9004, satin finish

Pantone® 1795 C Red
satin finish
RAL9006, satin finish

Pantone® Cool Gray 11 C
satin finish
RAL9007, satin finish

White, satin finish
RAL9003, satin finish

Material Finishes:

.118” white solar grade polycarbonate
3/16” 2447 white acrylic
3/16” 7328 white acrylic
3/16” Plaskolite 2406 white acrylic
4mm opal acrylic Plexiglas XT WN070
3M Panagraphics III flexible face

Scotchcal® Films

3M 3635-222 black
dual-color film

3M 36030-2528 red
translucent film

3M 7725-22 black
opaque film

3M 3635-20B matte
white blockout film

Brand Font

Aa

Hurme Geometric Sans
abcdefghijklmnopqrstuvwxyz
ABCDEFGHIJKLMNOPQRSTUVWXYZ
0123456789

TOWNEPLACE SUITES
BY MARRIOTT

Channel Letters

TOWNEPLACE SUITES
BY MARRIOTT

Pylon Hi-Rise

TOWNEPLACE SUITES
BY MARRIOTT

Pylon Mid-Rise

TOWNEPLACE SUITES
BY MARRIOTT

Monuments

ENTRANCE
<

Directional

Family of Signs

TOWNEPLACE SUITES
BY MARRIOTT

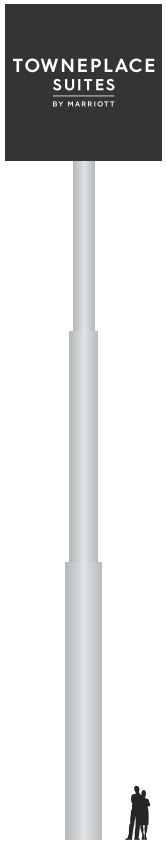
Channel Letters

Blade Sign

Directional

Monuments

Pylon Mid-Rise



Pylon Hi-Rise

Channel Letters

Channel Letters Size Relative to the Space Available

Design intent is to ensure legibility based on site constraints for sight lines and distances.

New-build design development should include appropriate location and area for sign placement.

Backer board, raceways and wire-ways are not allowed.
Letters to be flush mount on building.

Channel Letter Color

When the building color is light toned the sign letters are black during the day, illuminating white at night (dual-color film) or red during the day, illuminating red at night.

Where the building color is dark toned, white faces by day and night should be used.

Alternate colors and materials should never be substituted on the illuminated channel letters shown in these guidelines.

Size and Placement of the Words “By Marriott”

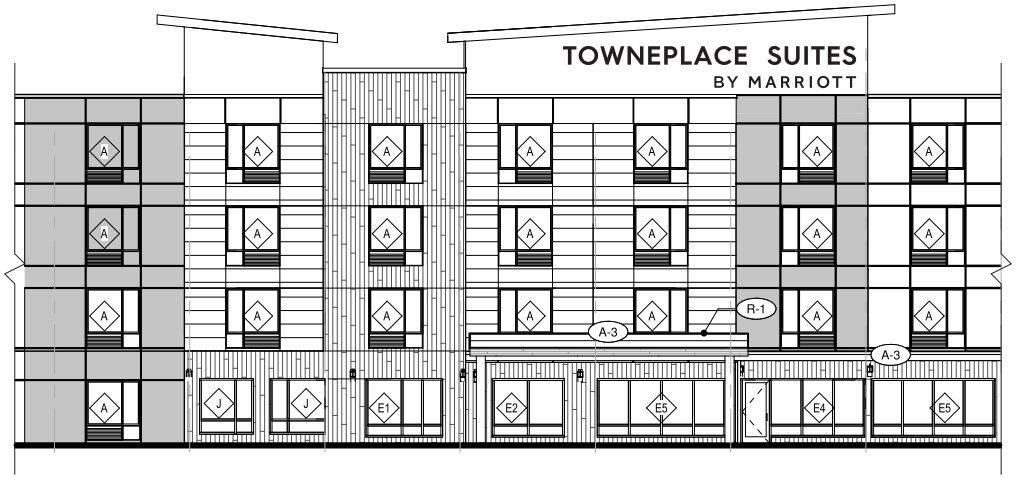
Proportion, size, and placement is included in these guidelines. Any exceptions must be approved by Marriott Global Design Team.

Channel Letter Applications

Black option channel letters on a light tone background.

Letters will appear black during the daytime and will illuminate white at night.

The “By Marriott” channel letters on front building elevation to be right justified to the “TownePlace Suites”.



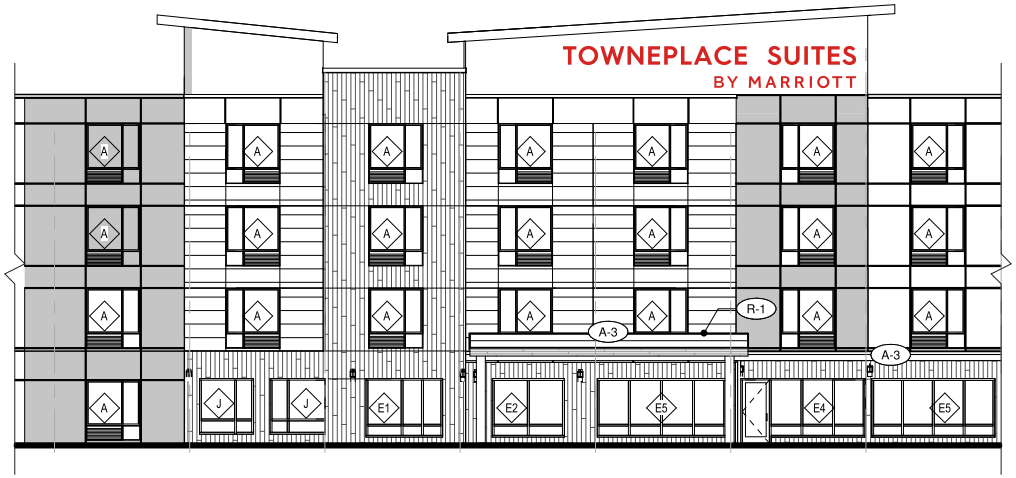
Front Elevation - Daytime View | Letters appear black during the daytime.

Nighttime View | Letters illuminate white at night.

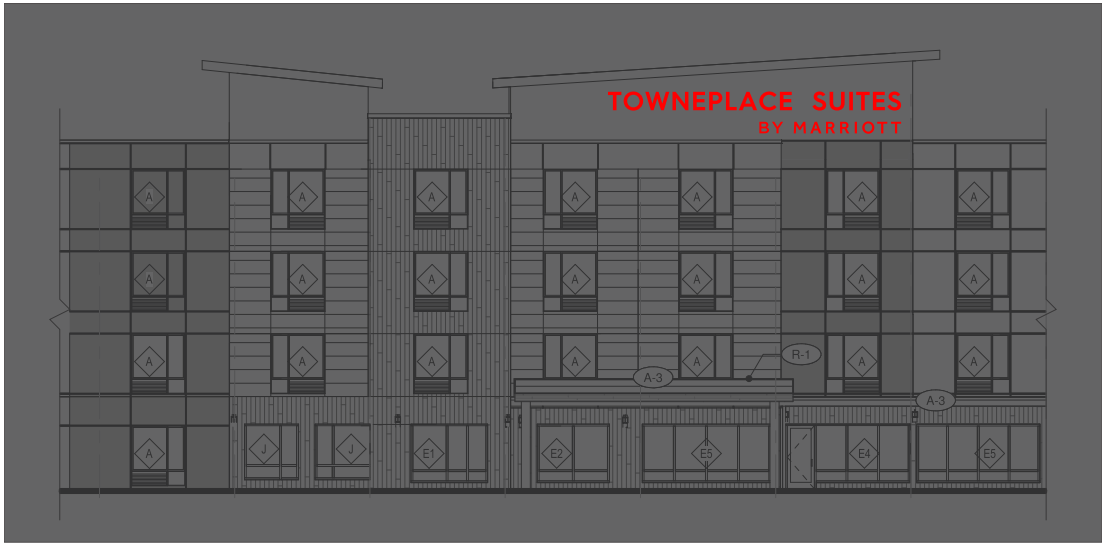
Channel Letter Applications

Channel letters on a light colored background

The “By Marriott” channel letters on front building elevation to be right justified to the “TownePlace Suites”.



Front Elevation - Daytime View | Letters appear red during the daytime.

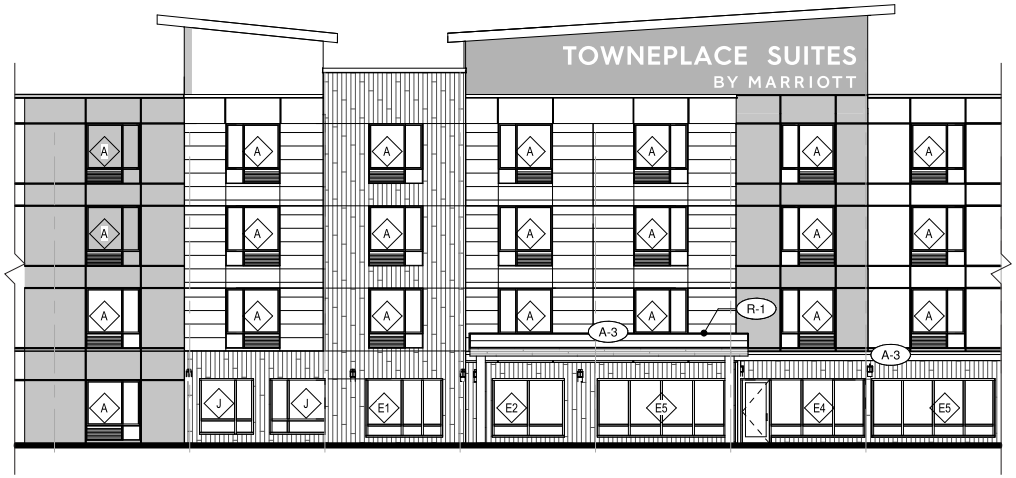


Nighttime View | Letters illuminate red at night.

Channel Letter Applications

Channel letters on a dark colored background

The “By Marriott” channel letters on front building elevation to be right justified to the “TownePlace Suites”.



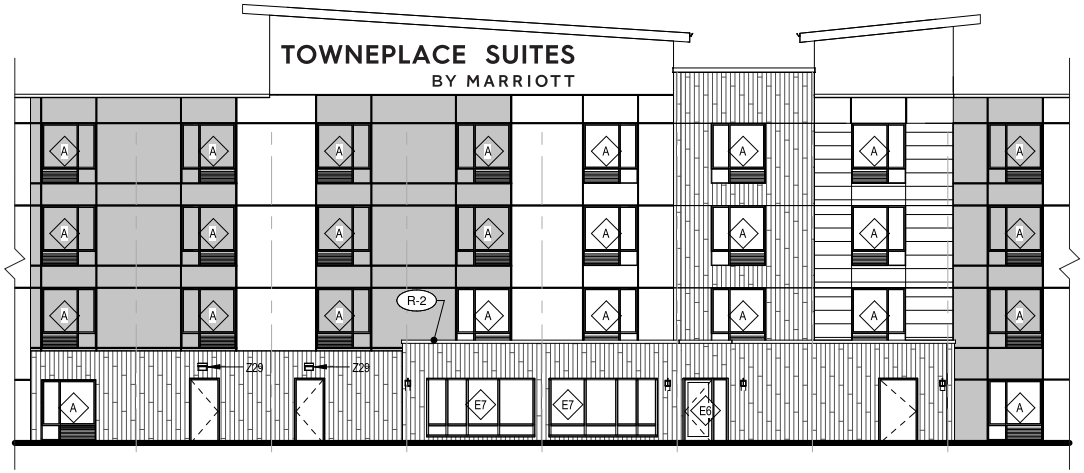
Front Elevation - Daytime View | Letters appear white during the daytime.

Nighttime View | Letters illuminate white at night.

Channel Letter Applications

Channel letters on a light colored background

The “By Marriott” channel letters on rear building elevation to be right justified to the “TownePlace Suites”.



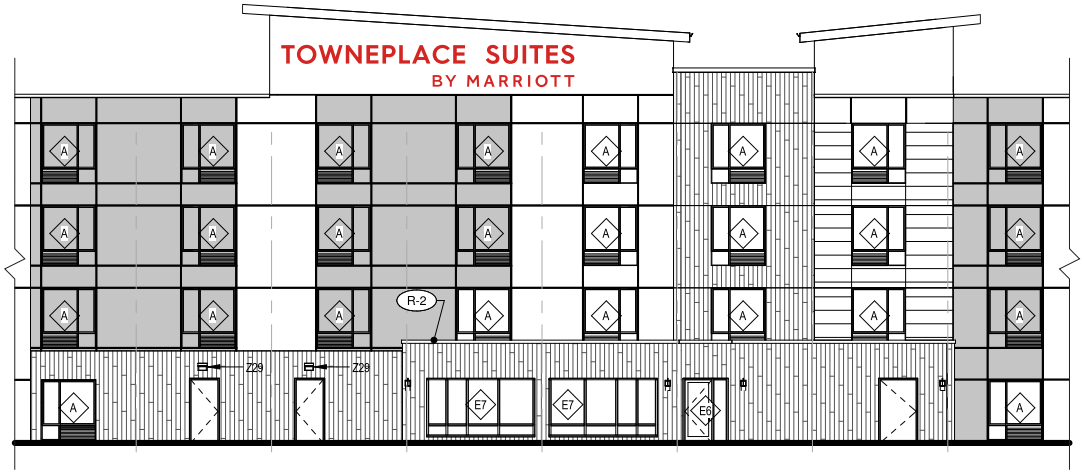
Rear Elevation - Daytime View | Letters appear black during the daytime.

Nighttime View | Letters illuminate white at night.

Channel Letter Applications

Channel letters on a light colored background

The “By Marriott” channel letters on rear building elevation to be right justified to the “TownePlace Suites”.



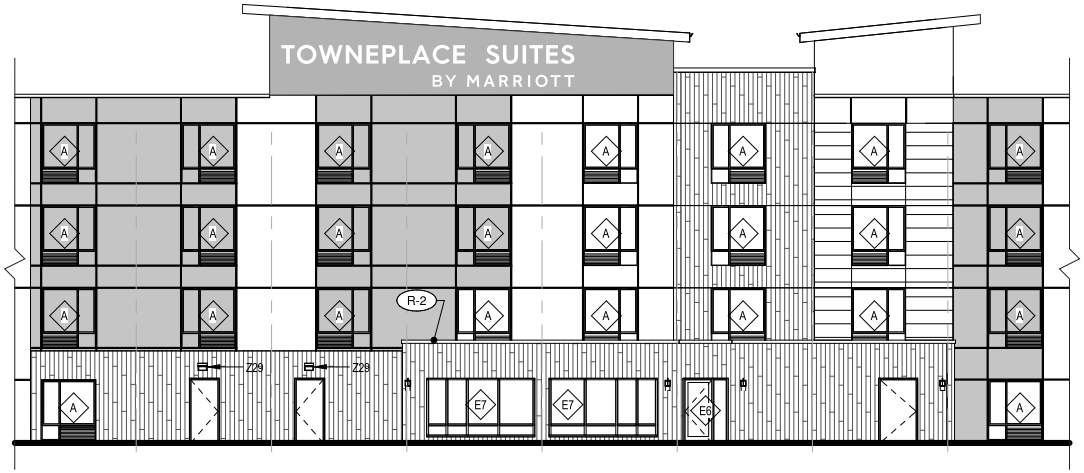
Rear Elevation - Daytime View | Letters appear red during the daytime.

Nighttime View | Letters illuminate red at night.

Channel Letter Applications

Channel letters on a dark colored background

The “By Marriott” channel letters on rear building elevation to be right justified to the “TownePlace Suites”.

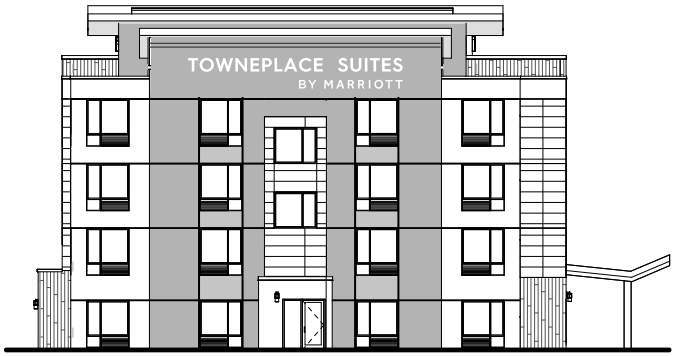


Rear Elevation - Daytime View | Letters appear white during the daytime.

Nighttime View | Letters illuminate white at night.

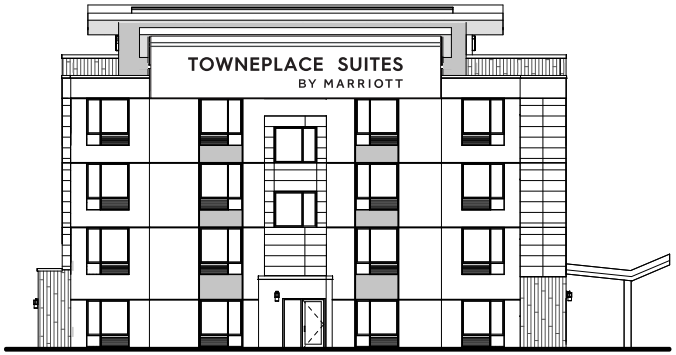
Channel Letter Applications

Channel letter colors to be chosen accordingly based on whether background is light or dark per exterior color schemes chosen.



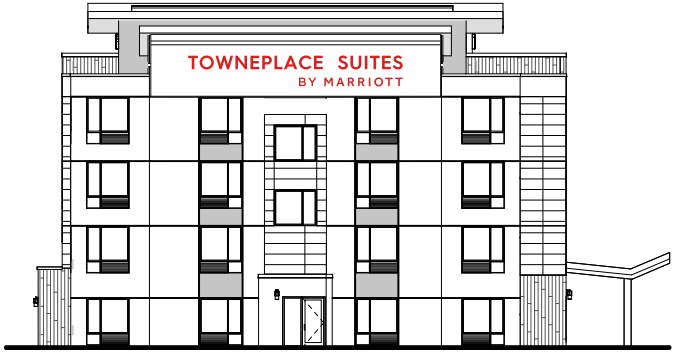
End Elevation

For Dark Colored Building Backgrounds | Letters to appear white during the day and illuminate white at night.



End Elevation

For Light Colored Building Backgrounds | Letters to appear black during the day and illuminate white at night.



End Elevation

For Light Colored Building Backgrounds | Letters to appear red during the day and illuminate red at night.

Building Channel Letters

Channel Letter Specifications:

Construction:
.040" aluminum channel letter with .063” with aluminum backs/ 1.5-2.0mm aluminum channel letter cases

Face Material:
3/16" 2447 white acrylic
or 3/16” Plaskolite 2406 white acrylic/ 3-4mm 30% translucent opal acrylic

Trim Cap:
1" black/ factory painted black trim cap

Illumination:
GE 7100K White LED’s as required
or Sloan Prism 24 6500K White LED’s as required

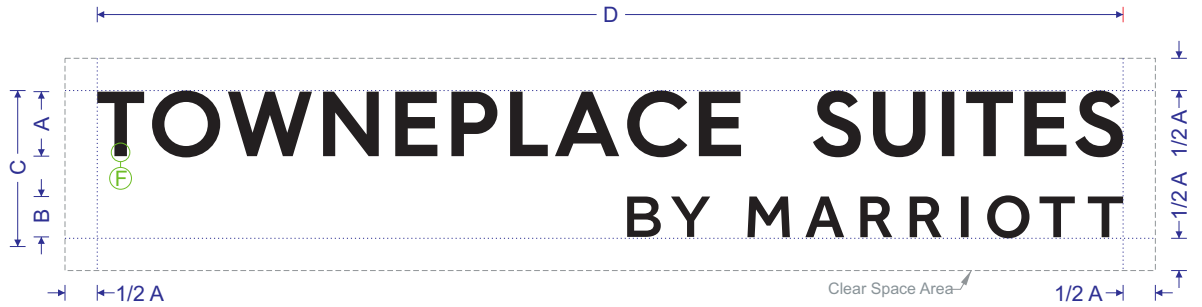
Exterior Finish:
Pre-finished black

Interior Finish:
Paint reflective white

Channel Letter Face Specifications:

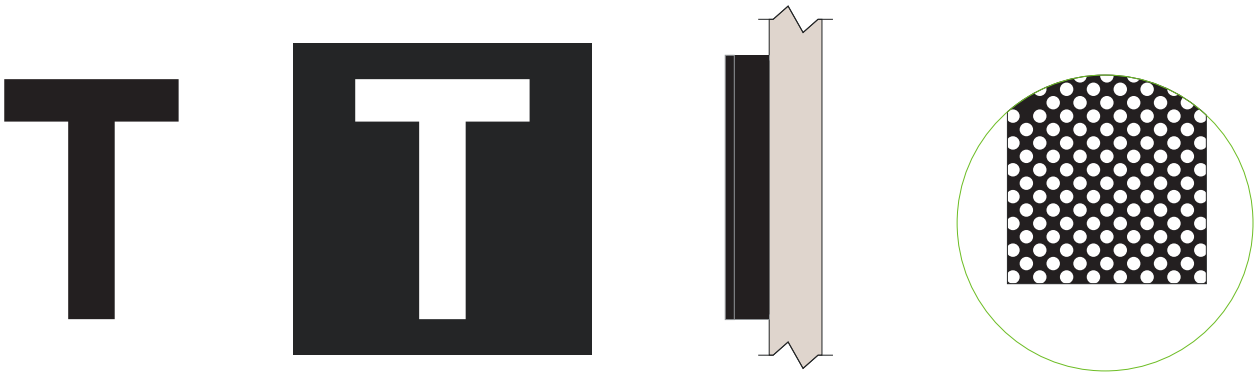
Face Material:
3/16" 2447 white acrylic or 3/16” Plaskolite 2406 white acrylic/ 1.5-2.0mm aluminum channel letter cases

Decoration:
3M 3635-222 black dual-color film applied to1st surface



Model #	A	B	C	D
TPS CL 24	24"	15"	4'-6 15/16"	31'-9 5/8"
TPS CL 30	30"	18 3/4"	5'-8 11/16"	39'-9 1/16"
TPS CL 36	36"	22 1/2"	6'-10 7/16"	47'-8 7/16"
TPS CL 48	48"	30 1/16"	9'-1 15/16"	63'-7 1/4"

Model #	A	B	C	D
TPS CL 600	610	381	1396	9693
TPS CL 750	762	477	1745	12117
TPS CL 900	914	572	2094	14540
TPS CL 1200	1219	763	2792	19387
Metric dimensions are in mm.				



Daytime Appearance **Nighttime Appearance** **Side Profile** **Detail E**

For Light Colored Building Backgrounds | Letters to appear black during the day and illuminate white at night.

Building Entry Letters

Channel Letter Specifications:

Construction:
.040" aluminum channel letter with .063" aluminum backs/
1.5-2.0mm aluminum channel letter cases

Face Material:
3/16" 2447 white acrylic or 3/16" Plaskolite 2406 white acrylic/
3-4mm 30% translucent opal acrylic

Trim Cap:
1" black/ factory painted black trim cap

Illumination:
GE Red LED's as required
or Sloan Prism 24 6500K White LED's as required

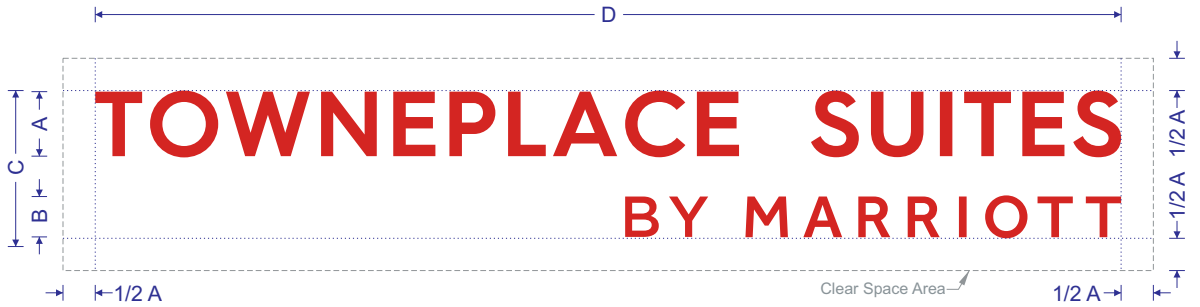
Exterior Finish:
Pre-finished black

Interior Finish:
Paint reflective white

Channel Letter Face Specifications:

Face Material:
3/16" 2447 white acrylic or 3/16" Plaskolite 2406 white acrylic/
1.5-2.0mm aluminum channel letter cases

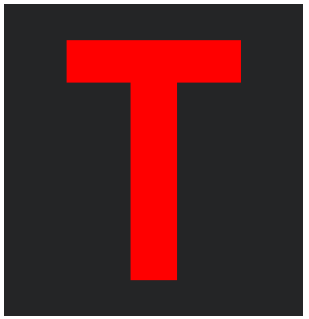
Decoration:
3M 3630-2528 red translucent film applied to 1st surface



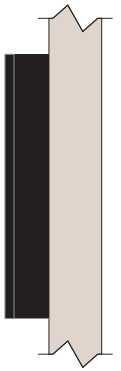
Model #	A	B	C	D
TPS CL 24	24"	15"	4'-6 15/16"	31'-9 5/8"
TPS CL 30	30"	18 3/4"	5'-8 11/16"	39'-9 1/16"
TPS CL 36	36"	22 1/2"	6'-10 7/16"	47'-8 7/16"
TPS CL 48	48"	30 1/16"	9'-1 15/16"	63'-7 1/4"

Model #	A	B	C	D
TPS CL 600	610	381	1396	9693
TPS CL 750	762	477	1745	12117
TPS CL 900	914	572	2094	14540
TPS CL 1200	1219	763	2792	19387
Metric dimensions are in mm.				

Daytime Appearance



Nighttime Appearance



Side Profile

For Light Colored Building Backgrounds | Letters to appear red during the day and illuminate red at night.

Building Entry Letters

Channel Letter Specifications:

Construction:
.040" aluminum channel letter with .063" aluminum backs/
1.5-2.0mm aluminum channel letter cases

Face Material:
3/16" 7328 white acrylic/ 3-4mm 30% translucent opal acrylic

Trim Cap: 1" black

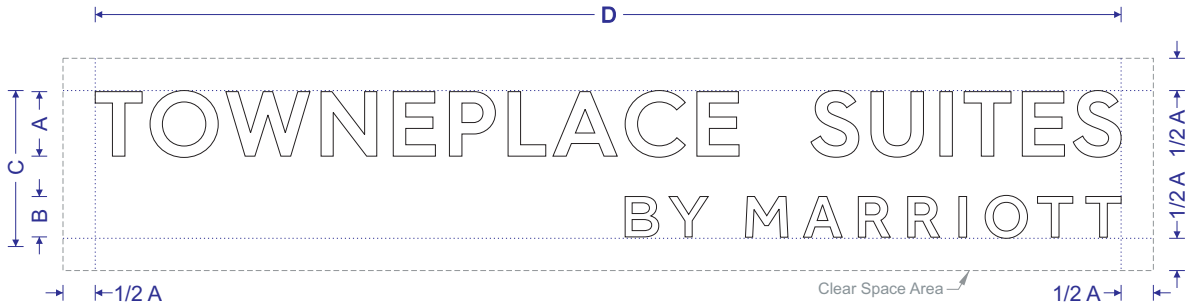
Illumination:
GE White LED's as required
or Sloan Prism 24 6500K White LED's as required

Exterior Finish:
Pre-finished black

Interior Finish:
Paint reflective white

Channel Letter Face Specifications:

Face Material:
3/16" 7328 white acrylic/ 3-4mm 30% translucent opal acrylic



Model #	A	B	C	D
TPS CL 24	24"	15"	4'-6 15/16"	31'-9 5/8"
TPS CL 30	30"	18 3/4"	5'-8 11/16"	39'-9 1/16"
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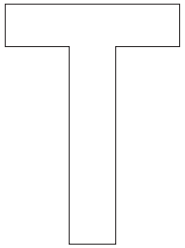
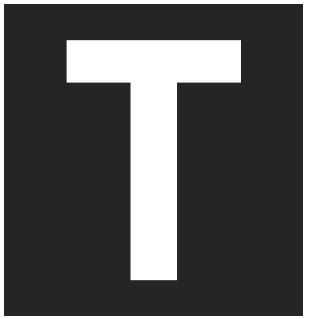
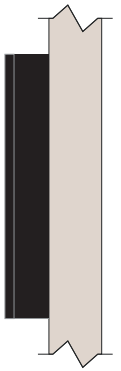
TPS CL 900	914	572	2094	14540
TPS CL 1200	1219	763	2792	19387
Metric dimensions are in mm.				



Daytime Appearance



Nighttime Appearance



Side Profile

For Dark Colored Building Backgrounds | Letters to appear white during the day and illuminate white at night.

Monument Signs

Monument Specifications:

Construction:
Aluminum angle frame with .125" aluminum shoe-box style faces

Face Construction:
Routed aluminum with backer panel/ fret-cut (routed) logo with acrylic back panel

Retainer:
Bleed face

Illumination:
GE 7100K White LED's as required
or Sloan PrismBeam 24V 6500K White LED's as required

Exterior Finish:
Paint Matthews MAP-LVS929 Carbon Black, satin finish
(*or Pantone® 1795 C red, satin finish for red option*)

Interior Finish:
Paint reflective white/ powder coating RAL9003, glossy finish

Monument Face Specifications:
Face Construction:
Routed aluminum with backer panel/ fret-cut (routed) logo with acrylic back panel

Face Decoration:
Paint Matthews MAP-LVS929 Carbon Black, satin finish
(*or Pantone® 1795 C red, satin finish for red option*)

Backer Panel:
.118" white solar grade polycarbonate/ 3mm 30% translucent opal acrylic

* "Towneplace Suites" and "By Marriott" to appear white during the day and illuminate white at night (background does not illuminate)

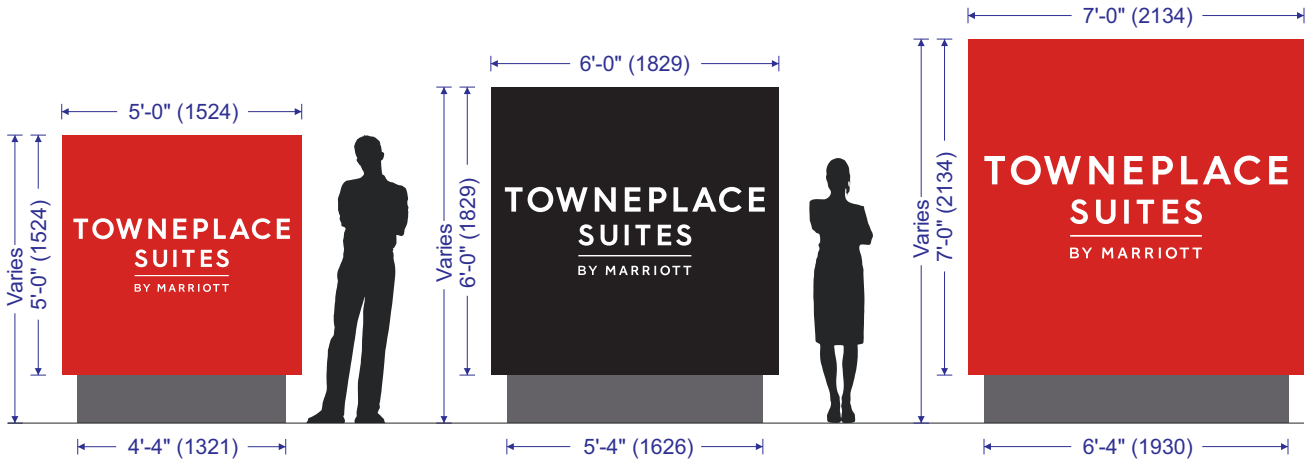
Pole Cover Specifications:

* Preferred method to have monument base match building hard scape (stone, brick, etc., provided by general contractor)

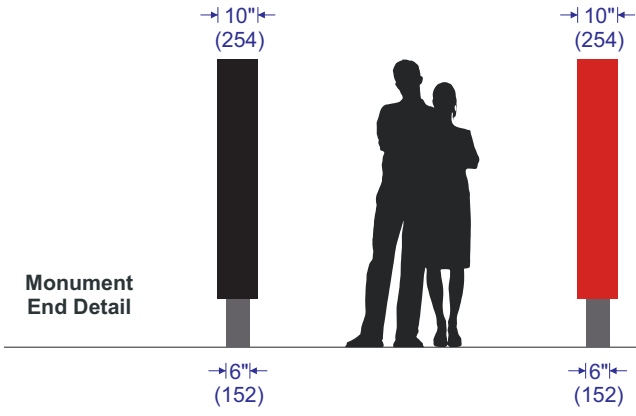
Construction:
Aluminum angle frame with .080" aluminum skins

Exterior Finish:
Paint Pantone® Cool Gray 11 C, satin finish/ powder coating RAL9007, satin finish

** If brand color is used, all other freestanding signs must be the brand color as well. This includes mid-rise signs, hi-rise signs and directional signs.



Monument Elevations



Monument End Detail

Nighttime View
Not to Scale

Mid-Rise Pylons

Cabinet Specifications:

Preferred Construction:
Reverse angle iron frame, interior steel components coated with rust inhibiting primer

Alternate Construction:
Carbon steel structure to comply with local static requirements, hot-dip galvanized after welding

Face Construction:
3M Panagraphics III flexible face

Retainer:
Bleed face

Illumination:
GE 7100K White LED's as required
or Sloan PrismBeam 24V 6500K White LED's as required

Exterior Finish:
Paint Matthews MAP-LVS929 Carbon Black, satin finish
(*or Pantone® 1795 C red, satin finish for red option*)

Interior Finish:
Paint reflective white/ powder coating RAL9003, glossy finish

Face Specifications:

Face Construction:
3M Panagraphics III flexible face

Decoration:
3M 7725-22 Matte Black opaque film and white substrate
(*or 3M 3630-2528 Red opaque film applied to 3M 3635-20B white blockout film and white substrate for red option*)

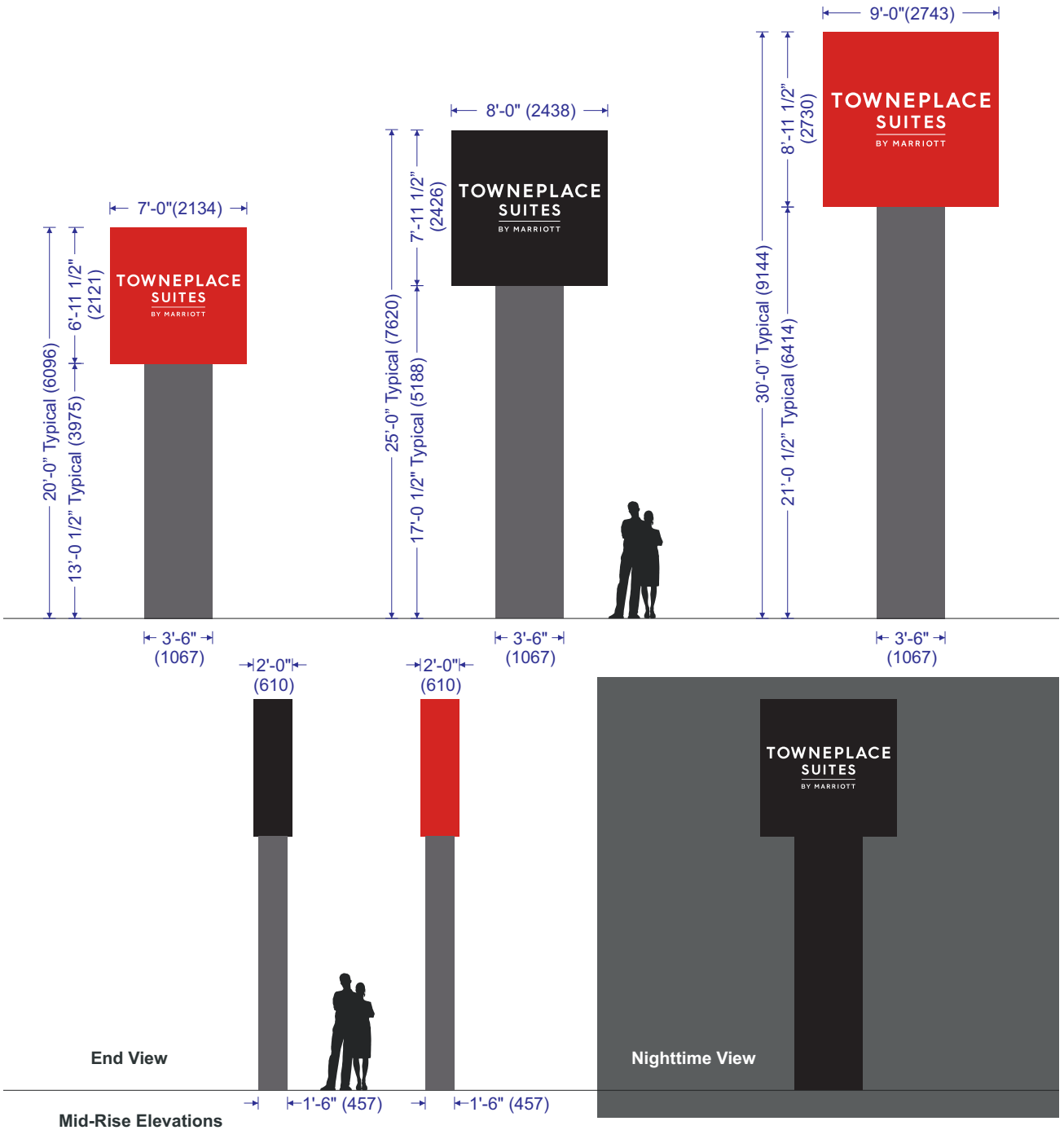
* Faces appear black and white during the day (*or red and white during the day for red option*) and copy illuminates white at night (background does not illuminate)

Pole Cover Specifications:

Construction:
Aluminum angle frame with .080" aluminum skins

Exterior Finish:
Paint Pantone® Cool Gray 11 C, satin finish

** If brand color is used, all other freestanding signs must be the brand color as well. This includes monument signs, hi-rise signs and directional signs.



Mid-Rise Elevations

High-Rise Pylon

Cabinet Specifications:

Preferred Construction:
Reverse angle iron frame, interior steel components coated with rust inhibiting primer

Alternate Construction:
Carbon steel structure to comply with local static requirements, hot-dip galvanized after welding

Face Construction:
3M Panagraphics III flexible face

Retainer:
Bleed face

Illumination:
GE 7100K White LED's as required
or Sloan PrismBeam 24V 6500K White LED's as required

Exterior Finish:
Paint Matthews MAP-LVS Carbon Black, satin finish
(*or Pantone® 1795 red, satin finish for red option*)

Interior Finish:
Paint reflective white/ powder coating RAL9003, glossy finish

Pole Finish:
Paint Pantone® Cool Gray 11 C, satin finish

Face Specifications:

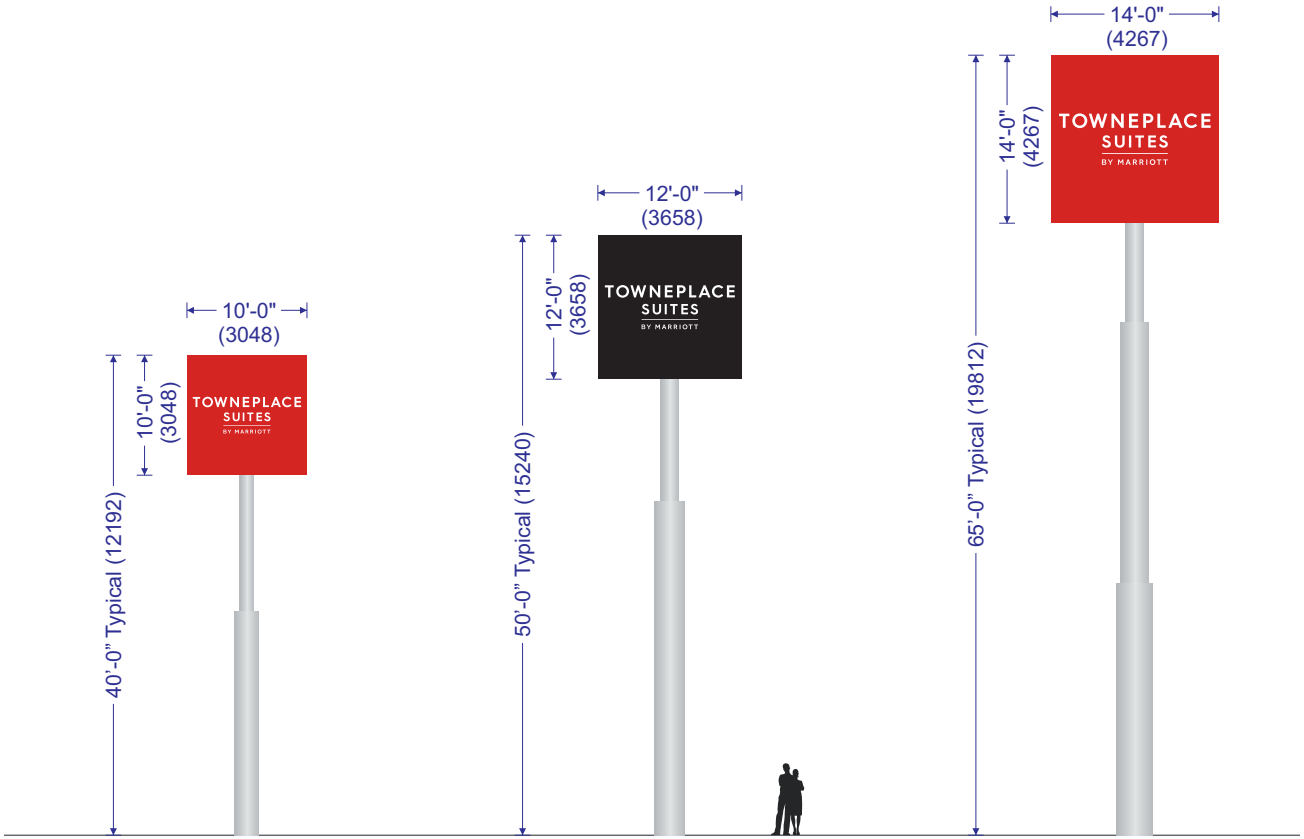
Face Construction:
3M Panagraphics III flexible face

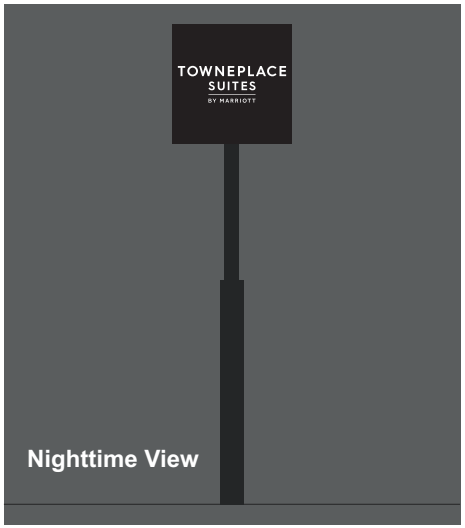
Decoration:
3M 7725-22 Matte Black opaque film and white substrate
(*or 3M 3630-2528 Red opaque film applied to 3M 3635-20B white blockout film and white substrate for red option*)

* Faces appear black and white during the day (*or red and white during the day for red option)* and copy illuminates white at night (background does not illuminate)

** If brand color is used, all other freestanding signs must be the brand color as well. This includes mid-rise signs, monument signs, and directional signs.

Pole cover not required for Hi-Rise Pylons.





Hi-Rise Elevations

High-Rise Pylon

Cabinet Specifications:

Preferred Construction:
Reverse angle iron frame, interior steel components coated with rust inhibiting primer

Alternate Construction:
Carbon steel structure to comply with local static requirements, hot-dip galvanized after welding

Face Construction:
3M Panagraphics III flexible face

Retainer:
Bleed face

Illumination:
GE 7100K White LED's as required
or Sloan PrismBeam 24V 6500K White LED's as required

Exterior Finish:
Paint Matthews MAP-LVS Carbon Black, satin finish (*or Pantone® 1795 red, satin finish for red option*)

Interior Finish:
Paint reflective white/ powder coating RAL9003, satin finish

Pole Finish:
Paint Pantone® Cool Gray 11 C, satin finish

* Cabinet depth dependent on method of illumination. H.I.D. cabinets to be 42" deep, LED cabinets to be 32" deep.

Face Specifications:

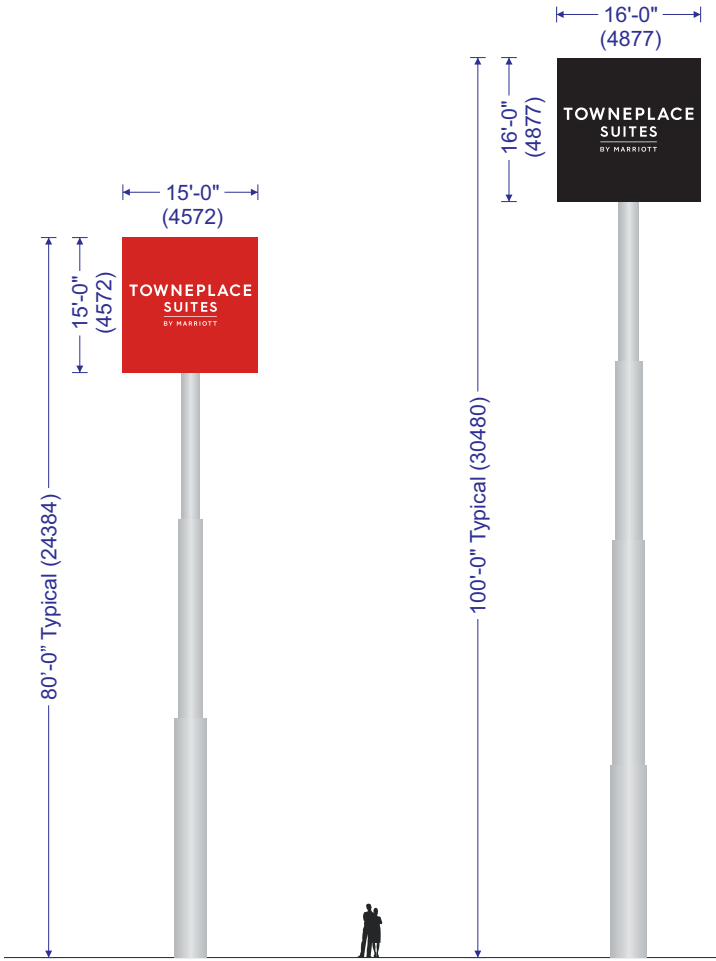
Face Construction:
3M Panagraphics III flexible face

Decoration:
3M 7725-22 Matte Black opaque film and white substrate (*or 3M 3630-2528 Red opaque film applied to 3M 3635-20B white blockout film and white substrate for red option*)

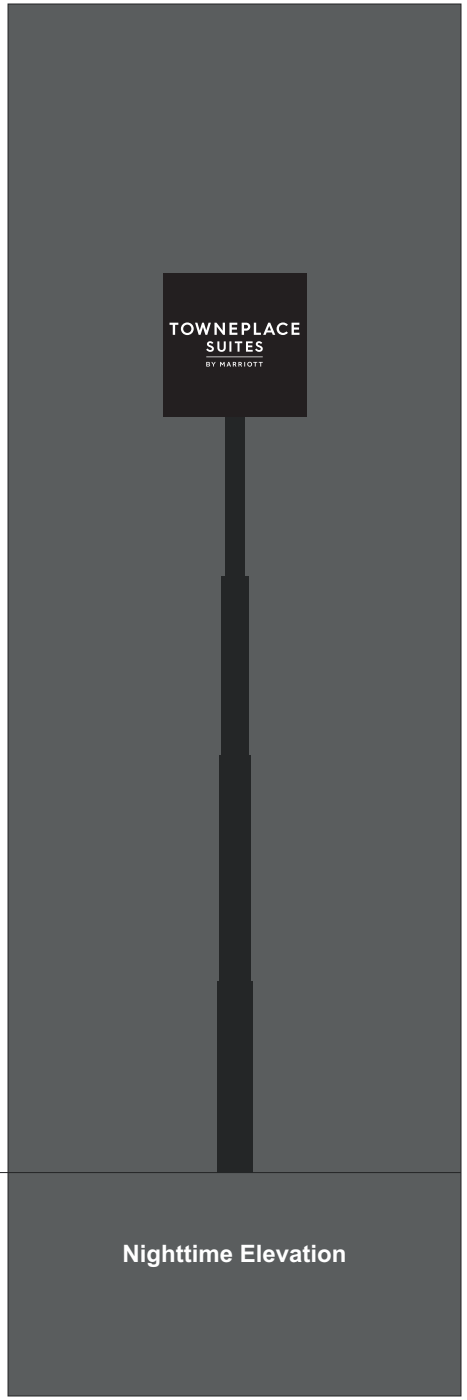
* Faces appear black and white during the day (*or red and white during the day for red option)* and copy illuminates white at night (background does not illuminate)

** If brand color is used, all other freestanding signs must be the brand color as well. This includes mid-rise signs, monument signs, and directional signs.

Pole cover not required for Hi-Rise Pylons.



Hi-Rise Elevations



Nighttime Elevation

Directional Signs

Cabinet Specifications:

Construction:
Aluminum angle frame with aluminum skins

Face Construction:
.125" routed aluminum faces/ fret-cut (routed) logo with acrylic back panel

Retainer:
Bleed face

Illumination:
GE 7100K White LED's as required
or Sloan PrismBeam 24V 6500K White LED's as required

Exterior Finish:
Paint Matthews MAP-LVS929 Carbon Black, satin finish
(*or Pantone® 1795 red, satin finish for red option*)

Interior Finish:
Paint reflective white/ powder coating RAL9003, glossy finish

Face Specifications:

Face Construction:
.125" routed aluminum with backer panel/ fret-cut (routed) logo with acrylic back panel

Backer Panel Construction:
.118" white solar grade polycarbonate/ 3mm 30% translucent opal acrylic

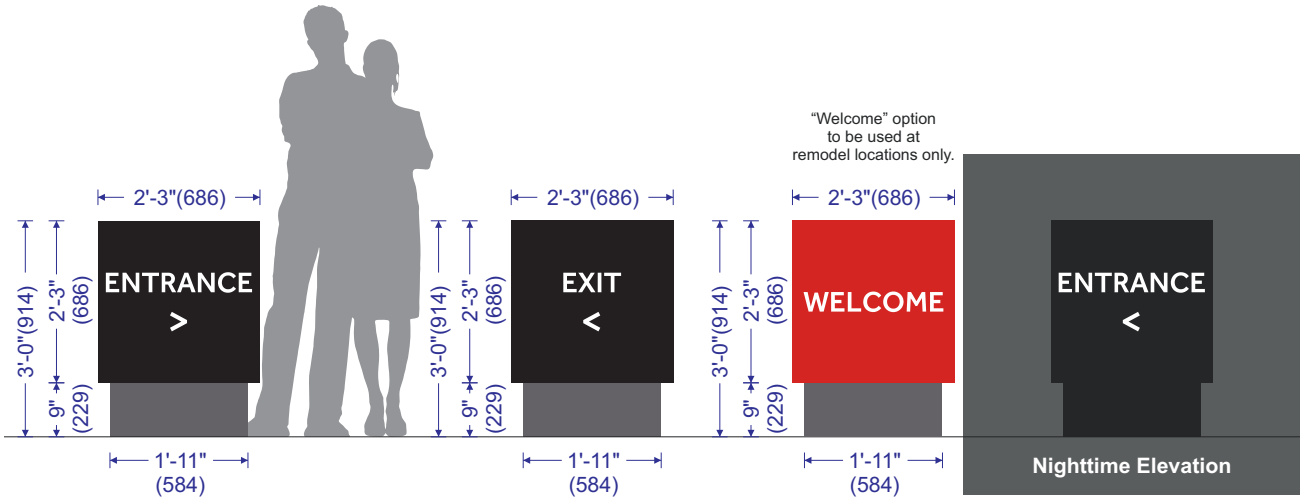
Decoration:
Routed aluminum face painted Matthews MAP-LVS929 Carbon Black, satin finish
(*or Pantone® 1795 C red, satin finish for red option*)

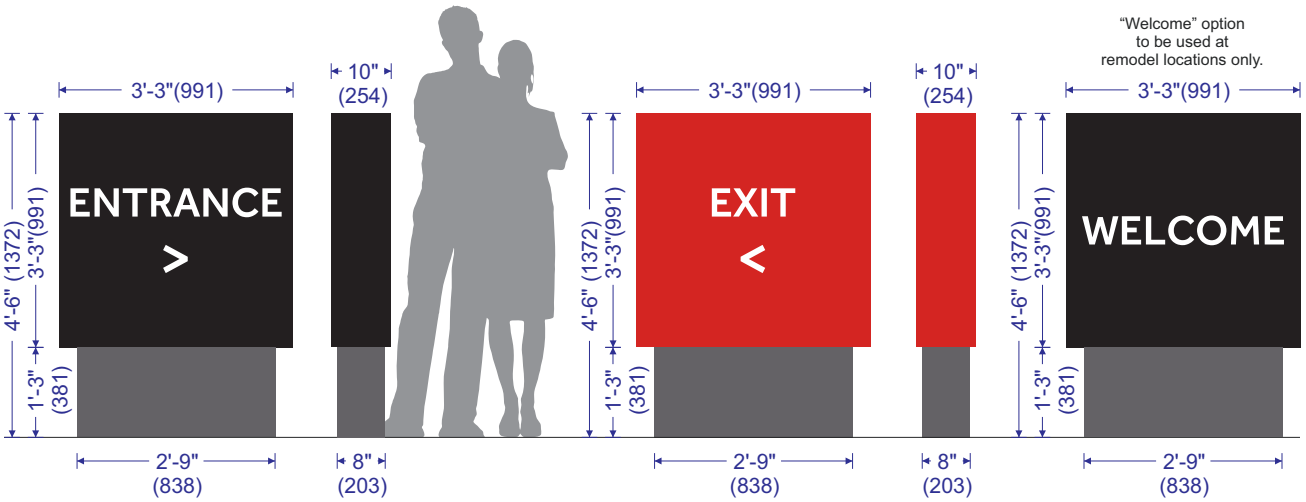
Pole Cover Specifications:

Construction:
Bent-up aluminum skins

Exterior Finish:
Painted Pantone® Cool Gray 11 C, satin finish

** If brand color is used, all other freestanding signs must be the brand color as well. This includes monument signs, mid-rise signs and hi-rise signs.





Blade Signs

Cabinet Specifications:

Preferred Construction:
Reverse angle iron frame, interior steel components coated with rust inhibiting primer

Alternate Construction:
Carbon steel structure to comply with local static requirements, hot-dip galvanized after welding

Face Construction:
3M Panagraphics III flexible face

Retainer:
Bleed face

Illumination:
GE 7100K White LED's
or Sloan PrismBeam 24V 6500K White LED's as required

Exterior Finish:
Paint Matthews MAP-LVS Carbon Black, satin finish

Interior Finish:
Paint reflective white

Pole Finish:
Paint Matthews 41342SP Brushed Aluminum, satin finish

Face Specifications:

Face Construction:
3M Panagraphics III flexible face

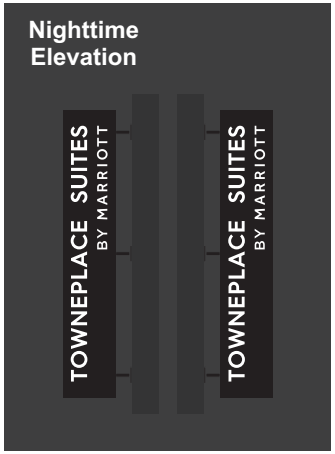
Decoration:
3M 7725-22 Matte Black opaque film and white substrate

* Faces appear black and white during the day and copy illuminates white at night
(background does not illuminate)

Blade signage to read bottom to top

End View

Building Blade Sign



Model #	A	B
BLADE-18	1'-6"	8'-1 15/16"
BLADE-24	2'-0"	10'-10 9/16"
BLADE-30	2'-6"	13'-7 1/4"
BLADE-36	3'-0"	16'-3 7/8"

Model #	A	B
BLADE-18	457	2488
BLADE-24	609	3316
BLADE-30	762	4146
BLADE-36	914	4975
*Metric dimensions are in mm		

Blade Signs

Cabinet Specifications:

Preferred Construction:
Reverse angle iron frame, interior steel components coated with rust inhibiting primer

Alternate Construction:
Carbon steel structure to comply with local static requirements, hot-dip galvanized after welding

Face Construction:
3M Panagraphics III flexible face

Retainer:
Bleed face

Illumination:
GE 7100K White LED's
or Sloan PrismBeam 24V 6500K White LED's as required

Exterior Finish:
Paint Pantone® 1795 red, satin finish

Interior Finish:
Paint reflective white

Pole Finish:
Paint Matthews 41342SP Brushed Aluminum, satin finish

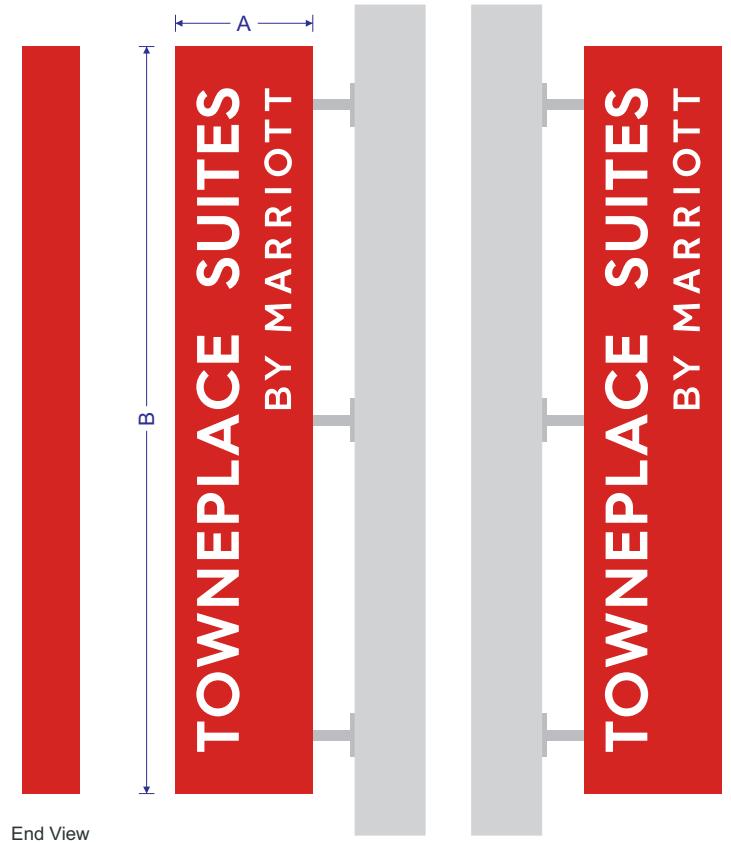
Face Specifications:

Face Construction:
3M Panagraphics III flexible face

Decoration:
3M 3630-2528 Red opaque film applied to 3M 3635-20b white blockout film and white substrate

* Faces appear red and white during the day and copy illuminates white as night (background does not illuminate)

Blade signage to read bottom to top



End View

Building Blade Sign

Model #	A	B
BLADE-18	1'-6"	8'-1 15/16"
BLADE-24	2'-0"	10'-10 9/16"
BLADE-30	2'-6"	13'-7 1/4"
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Model #	A	B
BLADE-18	457	2488
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BLADE-36	914	4975
*Metric dimensions are in mm		

TOWNEPLACE SUITES®
BY MARRIOTT

interior signage
specifications

globaldesignstrategies

signage specifications
october 2020

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Legal Disclaimer

Interior Signage Specifications

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These documents are intended to serve as a starting point for complete design to be performed by licensed professionals. They have been prepared with the sole purpose of conveying the brand benchmark for this particular product only. The architect, engineer, designer or any other design professional of record is responsible for compliance with any and all laws or regulations of any type or description governing the proposed construction.

These design guidelines may be altered, amended or supplemented by Marriott in its sole discretion from time to time. It is your responsibility to familiarize yourself with the contents of the Design Guidelines and to keep yourself apprised of any and all updates to it on https://lobo.marriott.com.

In the event of any inconsistency or conflict between a provision in these Design Guidelines and any federal, provincial, state or local statute, regulation, order or other law, such law will supersede the conflicting or inconsistent provision(s) of these Design Guidelines in all properties subject to that law. All owners/developers should seek independent legal counsel for advice concerning application of and compliance with any applicable law.

Overview

This document provides the information to assist in obtaining Marriott International approved brand standard signage for your property. These standards are intended to promote brand unity and to reflect the quality and image of the Marriott International brand. The specifications focus on interior sign requirements with exterior signage limited to various pool, parking and informational elements. Any deviation from these specifications requires review and approval by your Marriott Global Design contact. These specifications will provide you a basic understanding of the interior signage requirements. This document is not anticipated to provide all the knowledge required for successful signage project execution.

New Builds, Conversions & Renovations

Signage for your facility is an integral part of the Guest experience while promoting the brand. Signage is also required for occupancy as there are numerous Life Safety codes to adhere to. Accessibility compliance and other safety communication elements are also required. The detailed planning and code requirements for your property can best be achieved by utilizing professional planning. Planning may be obtained from our accepted sign suppliers.

The following steps are a guide to the sign planning process:

- Review of property plans
- Determination on local code requirements
- Understanding of ADA
- Understanding of brand standards
- Wayfinding and Orientation planning expertise
- Planning and documentation of specific sign requirements
    - Message schedule development
    - Location Plan development
- Estimating
- Evacuation map development
- Project Management

Maintenance Updates

Sign replacement may be required as you maintain your property. Contact an accepted sign supplier for these maintenance and smaller renovation/construction signage requirements. Refer to Lobo for a list of accepted sign suppliers.

Sign Categories

Signage requirements can more easily be understood and selected by understanding the various sign categories, covered in depth on the following pages.

- Identification (general and guest rooms)
- Directional / Wayfinding
- Informational
- Life Safety & Loss Prevention
- Guest Services (Pool, Fitness, etc)
- Specialty
- Exterior and Miscellaneous

Accessibility

Only accepted sign suppliers can manufacture signage for Marriott properties. The accepted sign suppliers are responsible for Regulation Compliance including, but not limited to, the Americans with Disabilities Act, NFPA, ICC, ANSI, and state and local codes. The signage manufacturer, in the event dual language signage is required, is responsible for translations and signage layout complying with local codes for the location of the property.

For detailed requirements regarding ADA compliance in the U.S. and U.S. territories, see www.ada.gov. Outside the U.S. and U.S. territories, be sure to follow local jurisdiction requirements. Always review detailed requirements regarding ADA compliance in the U.S. and U.S. territories, because they are always changing.

ADA Signage Requirements Address

- Adequate text sizes
- Sufficient message and background contrast
- Provision of tactile copy and Grade II Braille

Permanent Room ID Signs

All signs that designate permanent rooms and spaces whose function will not change must comply with the ADA and ICC signage guidelines. Room ID signs are required by federal and state law: ICC A117.1 - 2009, § 703.

Examples Of Permanent Rooms & Spaces:

Guest Room ID, General Room ID, Stairs, Restrooms, Meeting Rooms, etc.

Tactile/Visual Character:

Permanent room ID signs require both visual and tactile characters. Either one sign with both or two separate signs shall be provided. Tactile restroom signs are required by federal and state law: ICC A117.1 - 2009, § 703. CA All Gender Door Signs are required by California Building Code: 11B-703.7.2.6.

Scope of ADA:

The ADA signage guidelines are primarily intended to make facilities accessible to the blind and visually impaired. These guidelines specifically apply to the U.S. and all U.S. territories. Properties outside the U.S. must comply with local laws.

Overview:

All existing and new signage should be surveyed to verify compliance with these guidelines. All signage that does not meet the guidelines specified in this manual should be replaced.

Directional/Informational Signs

All signs providing direction to, or information about, functional spaces of the building or site must comply with ADA and ICC signage guidelines. Directional signs are required to meet the visual standards under accessibility guidelines. Overhead signs are not required by accessibility guidelines; but if used, these signs must comply with the visual standards (ICC A117.1 - 2009, § 703.2).

Examples of Directional/Informational Signs:

Public Space Directional, Guest Corridor Directional, Elevator Directory, No Smoking Signs, Caution & Warning Signs, etc.

Visual Characters:

Directional/Informational signs require only visual characters. Tactile graphics and Braille are NOT required.

Accessible Entrance:

The Accessible Entrance sign and its various versions are required by accessibility guidelines for applicable locations (ICC A117.1 - 2009, §703.6.3.1).

Overall Design

The materials, colors, finishes and fonts shown here are required to meet the brand standards required by Marriott International.

Finishes & Graphic Colors

Front Piece Color

.125" Thick Frosted Acrylic subsurface painted SW7649 Silverplate

Exterior Signs

.125" solid surface material painted SW7649 Silverplate

Graphic Color

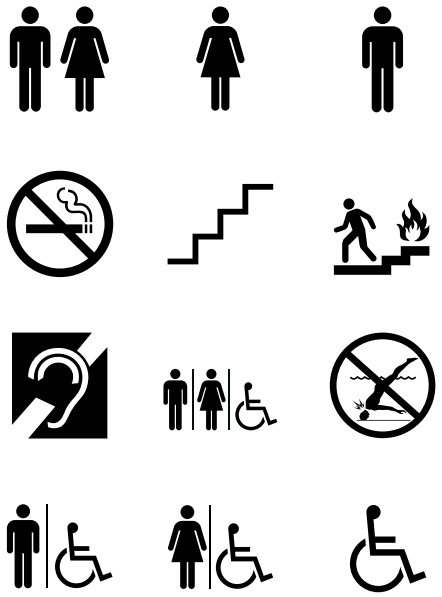
Acrylic subsurface painted SW7069 Iron Ore

Fonts

Hurme Geometric Sans Regular

ABCDEFGHIJKLMNOPQRSTUVWXYZ 0123456789
abcdefghijklmnopqrstuvwxyz

Symbols



Notes

Refer to technical drawing specs for detailed production information such as dimensions, fabrication materials, and mounting hardware.

Room Identification

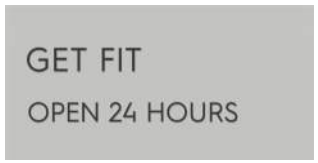
These signs are used and required by ADA to identify all permanent rooms and spaces. ADA requires these signs to have upper case, tactile letters with corresponding Braille translations for the room title. They also have specific mounting requirements to be compliant, see appendix for additional information.

Guest Room Number
4”h x 4”w

1-2 Line Room Identification
3"h x 6"w

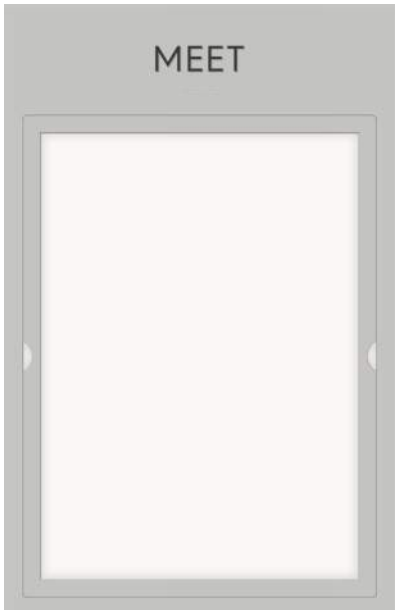
1-2 Line Room Identification
3"h x 8.5"w

3-4 Line Room Identification
8"h x 10"w

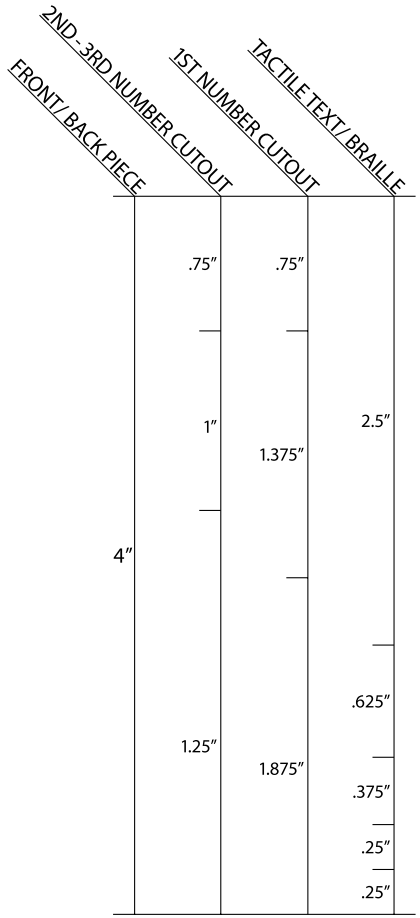


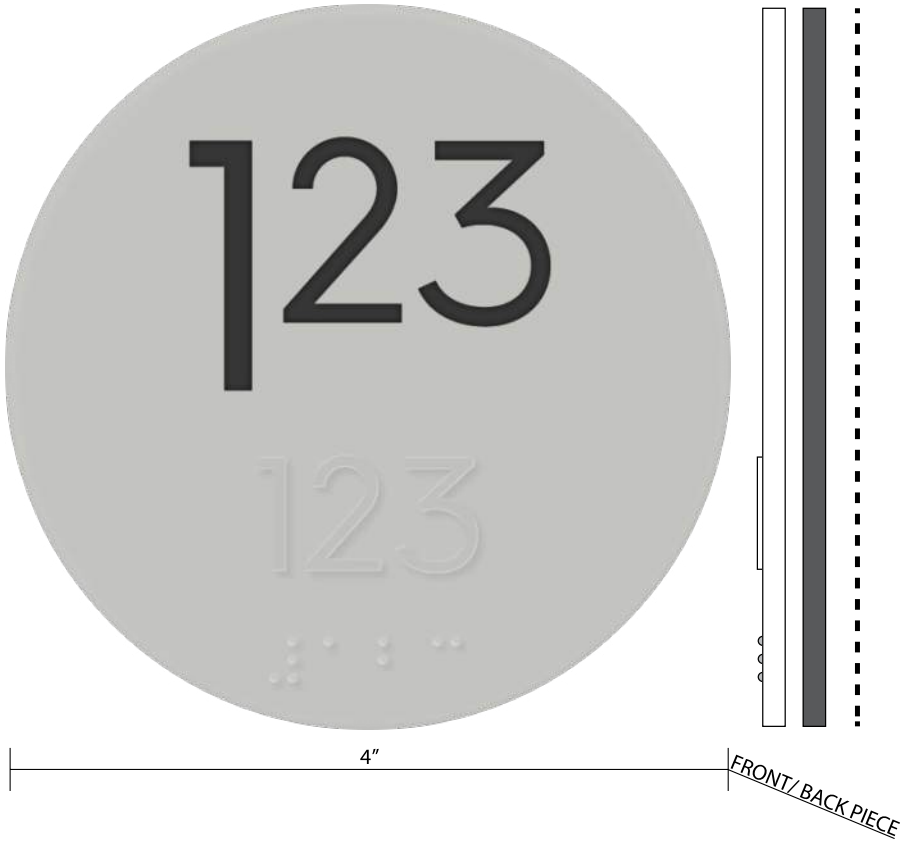
Room Identification Open 24 Hours
5"h x 10"w

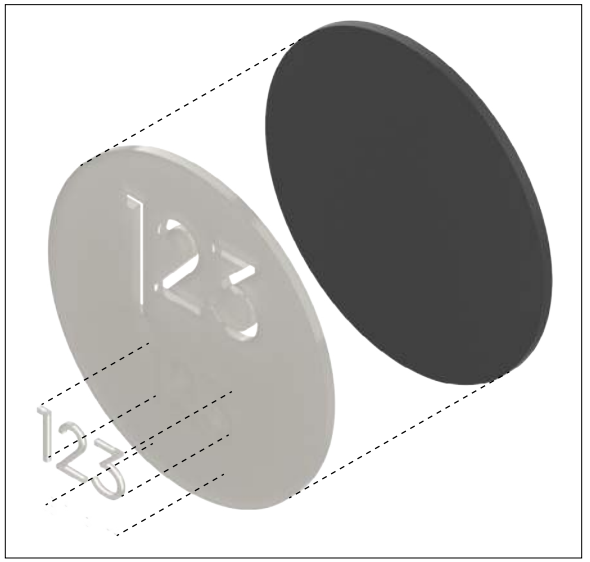
Room Identification w/ Hours
11"h x 11"w



Meeting Room w/Insert
15.125"h x 9.5"w

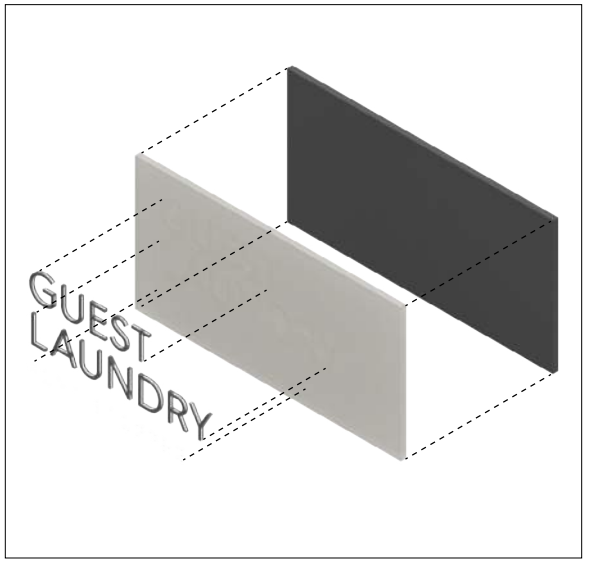




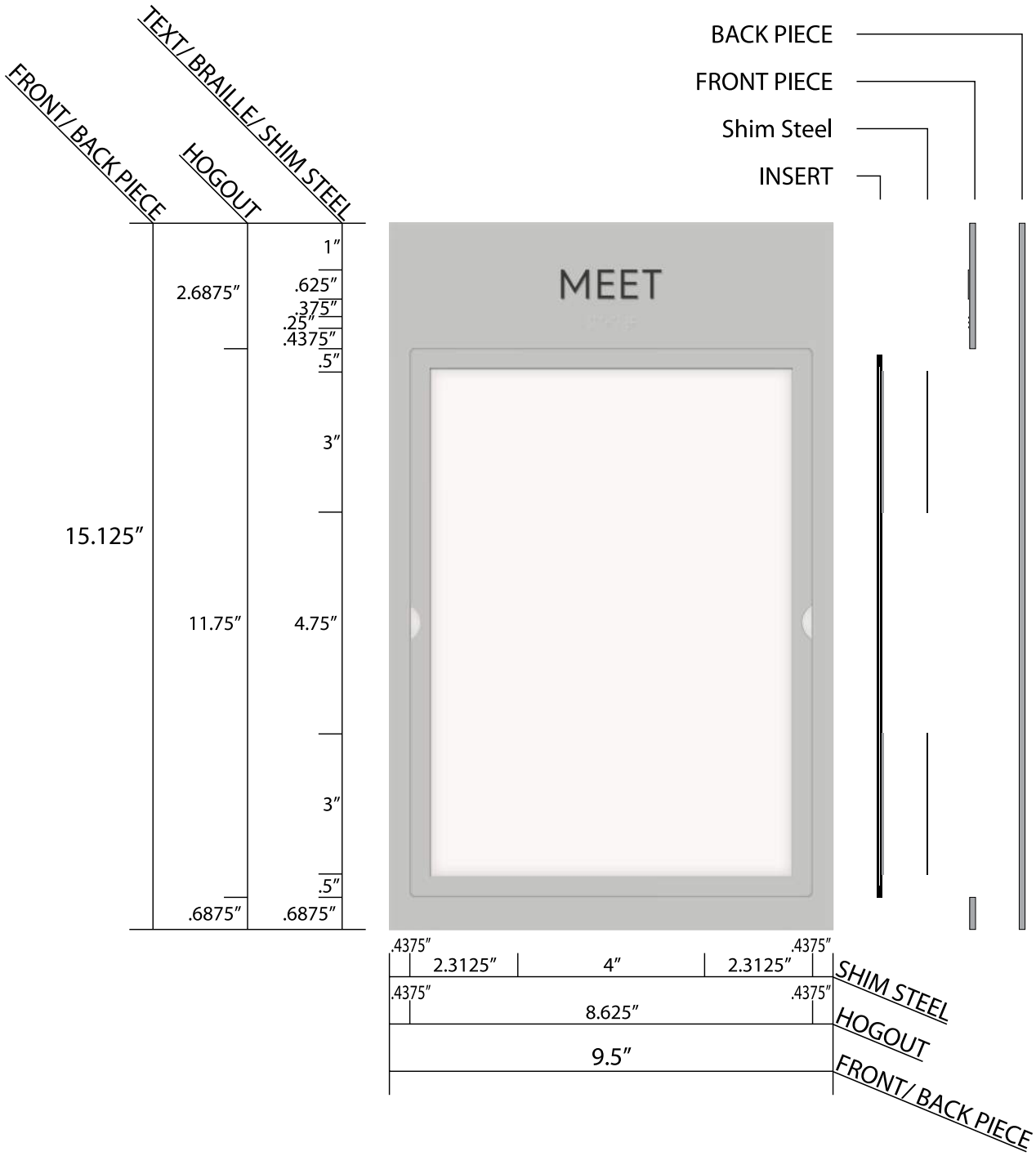


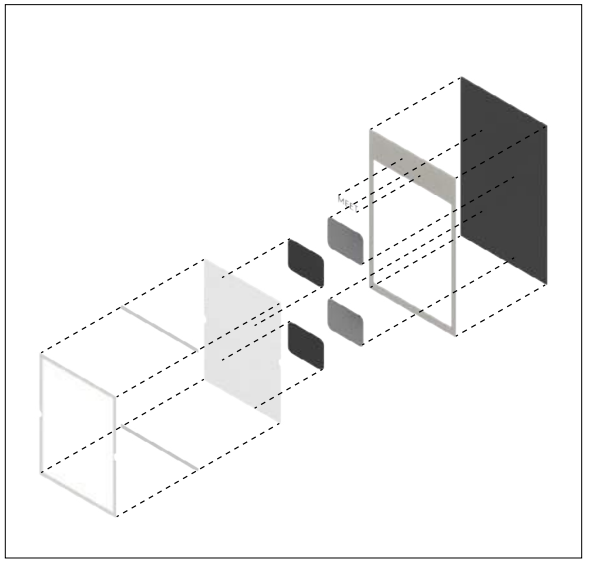
Guest Room Number
4"h x 4"w

ALTERNATE LAYOUT



1-2 Line Room Identification
3"h x 6"w





Meeting Room w/Insert
15.125"h x 9.5"w

Restroom Identification

Restroom wall signs must meet the requirements of the ADA in both sign design and placement (see appendix). Signs in California and New York have additional signage requirements. Consult your sign supplier for additional information.

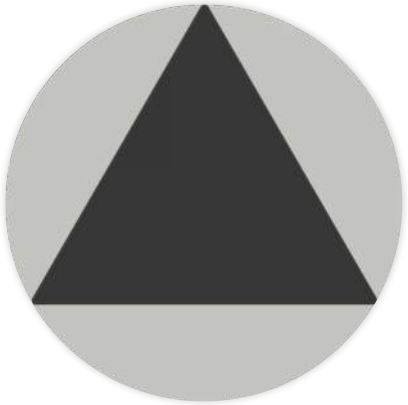
Women's Restroom
9.75"h x 7.25"w

Men's Restroom
9.75"h x 7.25"w

Unisex Restroom
9.75"h x 7.25"w

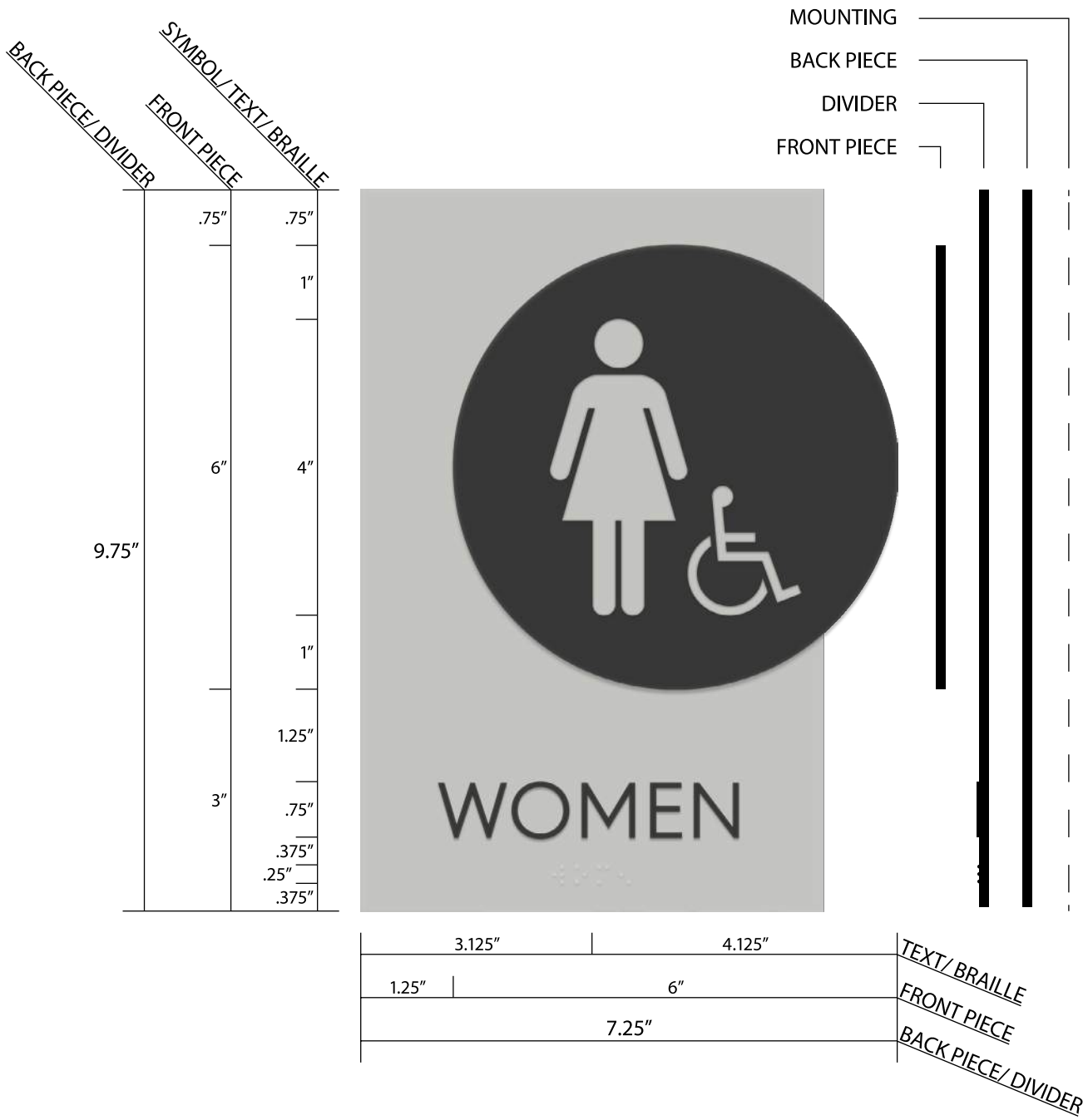
All Gender Restroom - w/ Symbol
6"h x 9"w

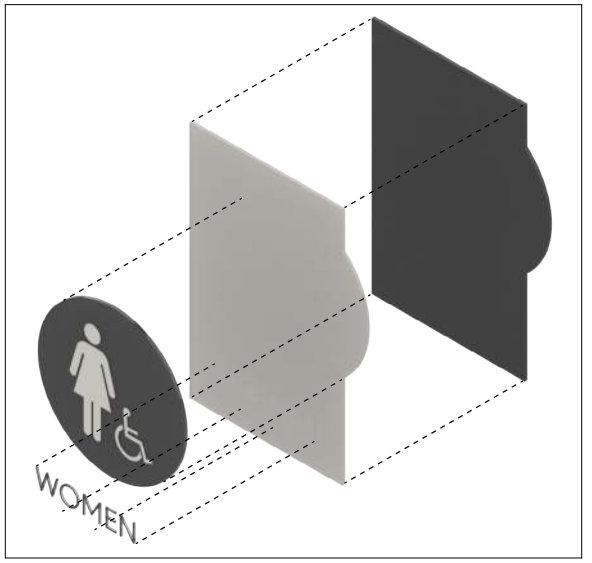
All Gender Restroom - No Symbol
3"h x 8.5"w



CA All Gender Door Sign for dark colored doors
12"h x 12"w

CA All Gender Door Sign for light colored doors
12"h x 12"w

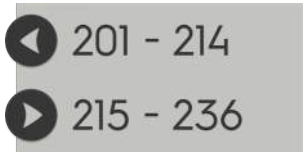




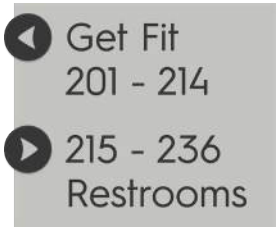
Restroom Identification
9.75"h x 7.25"w

Directional/ Wayfinding

There are numerous layouts available to address the quantity of destinations at any given point. Locations should be placed in similar directional groupings utilizing a singular arrow. Destinations should be organized by room sequence followed by locations listed in alphabetical order. Review of specific properties may require additional or modified layouts.

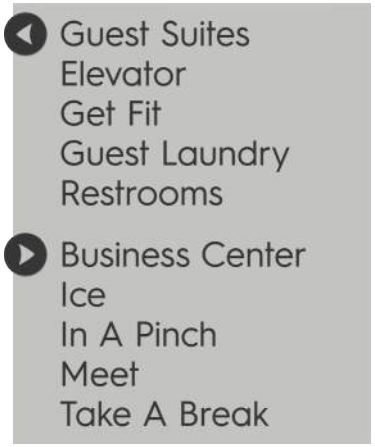


1-2 Line Directional
5"h x 10"w

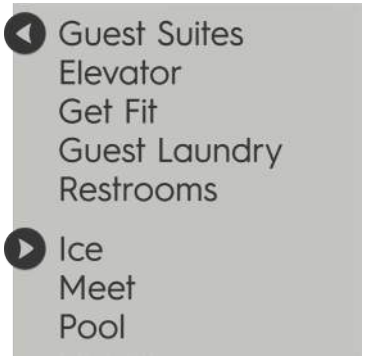


3-4 Line Directional
8.25"h x 10"w

5-6 Line Directional
11.5"h x 15"w



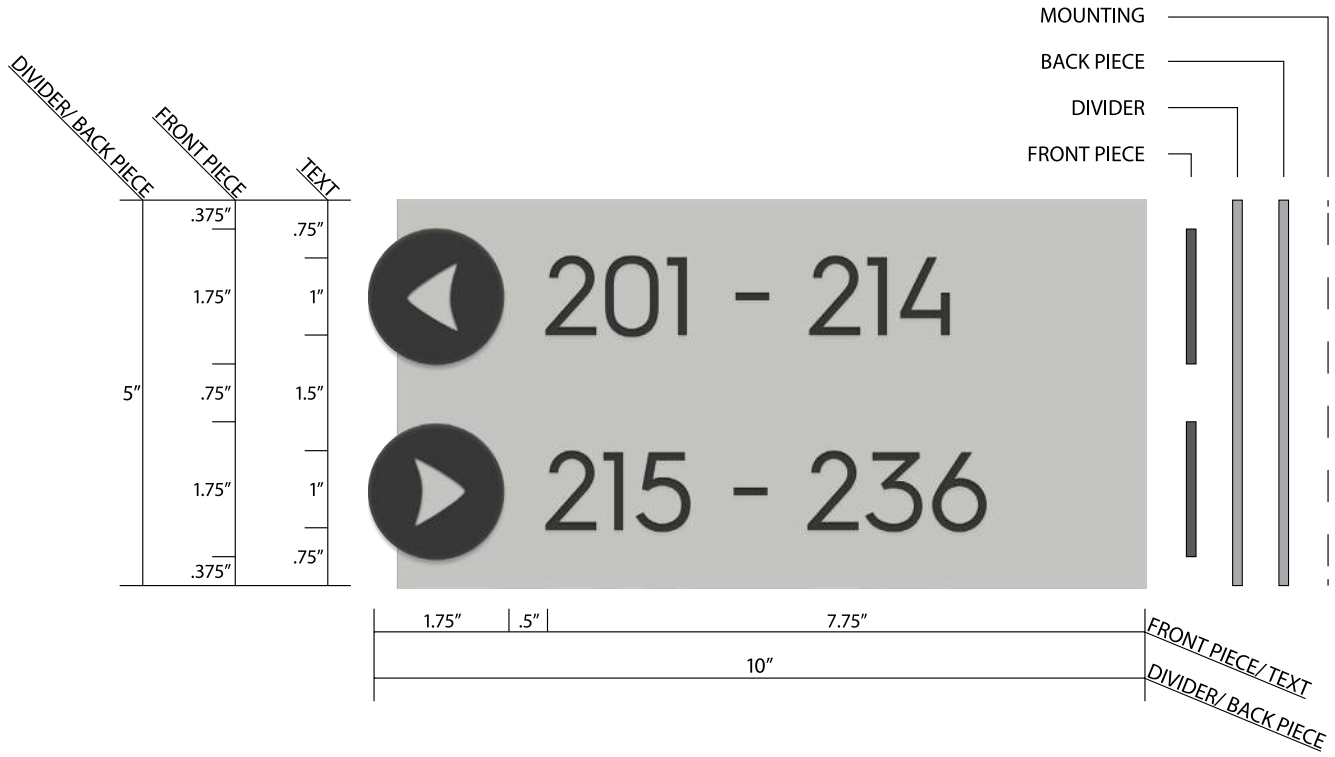
8-10 Line Directional
18"h x 15"w

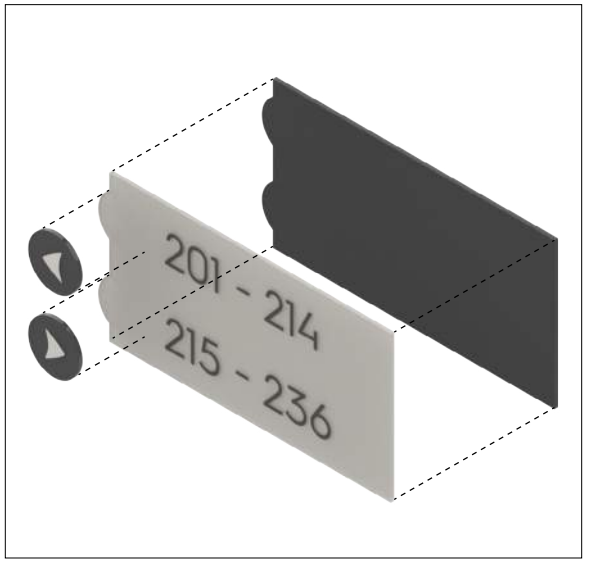


7-8 Line Directional
14.75"h x 15"w

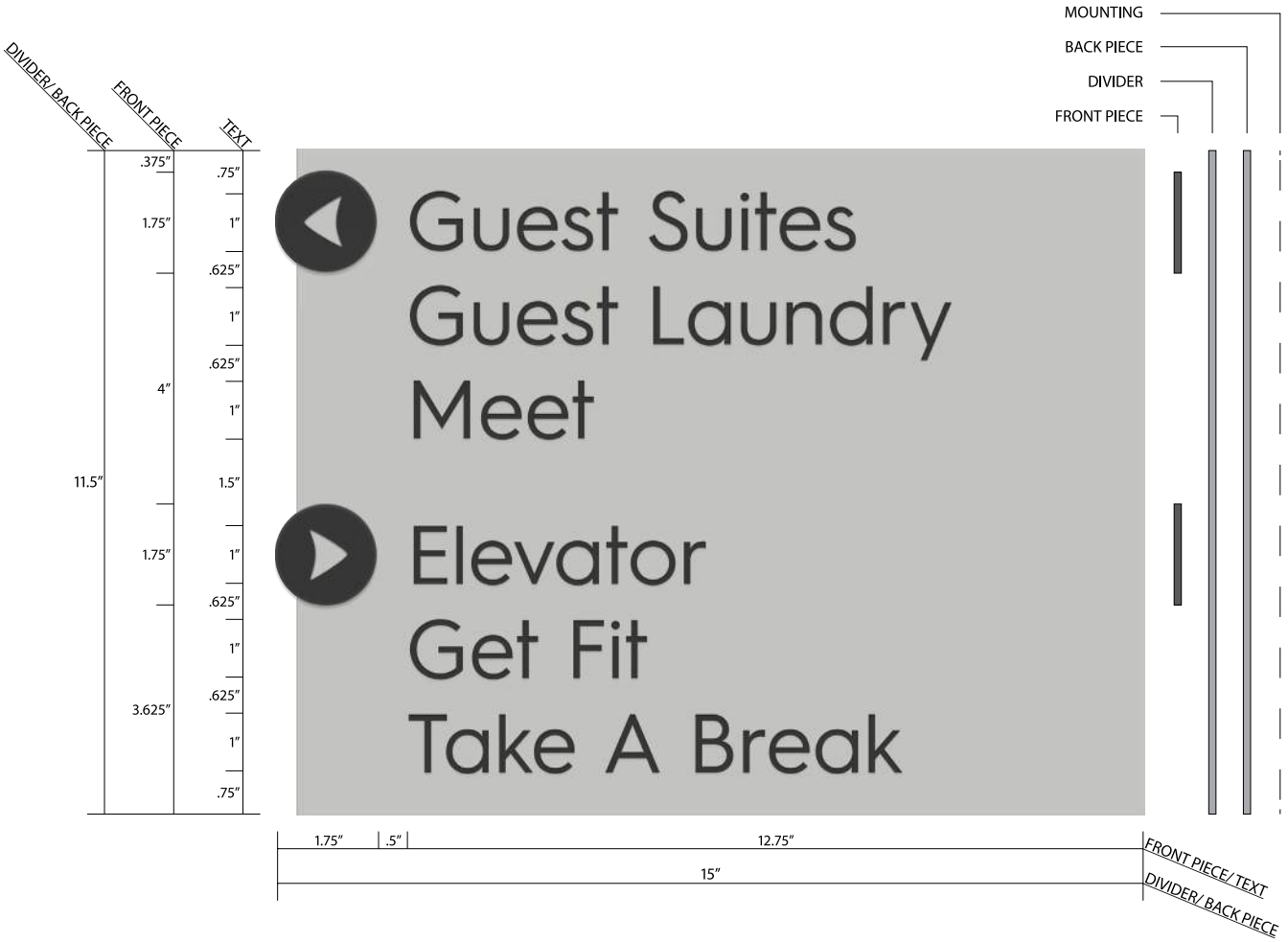
Overhead Restroom
(double-sided)
12.5"h x 17.375"w

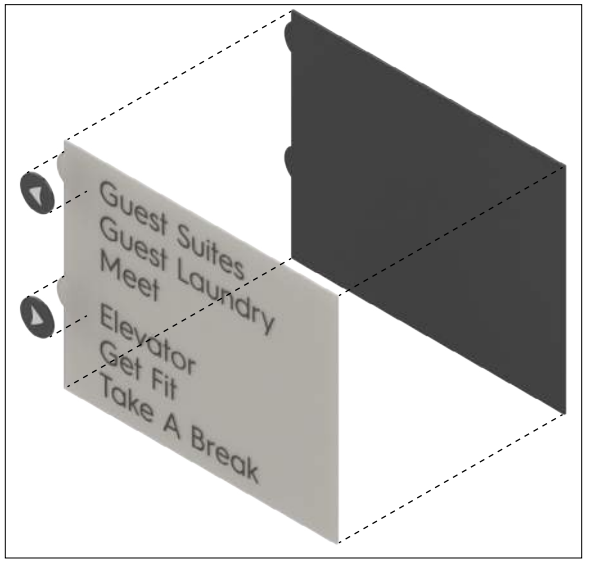
Overhead Wayfinding
(double-sided)
7"h x 20.375"w



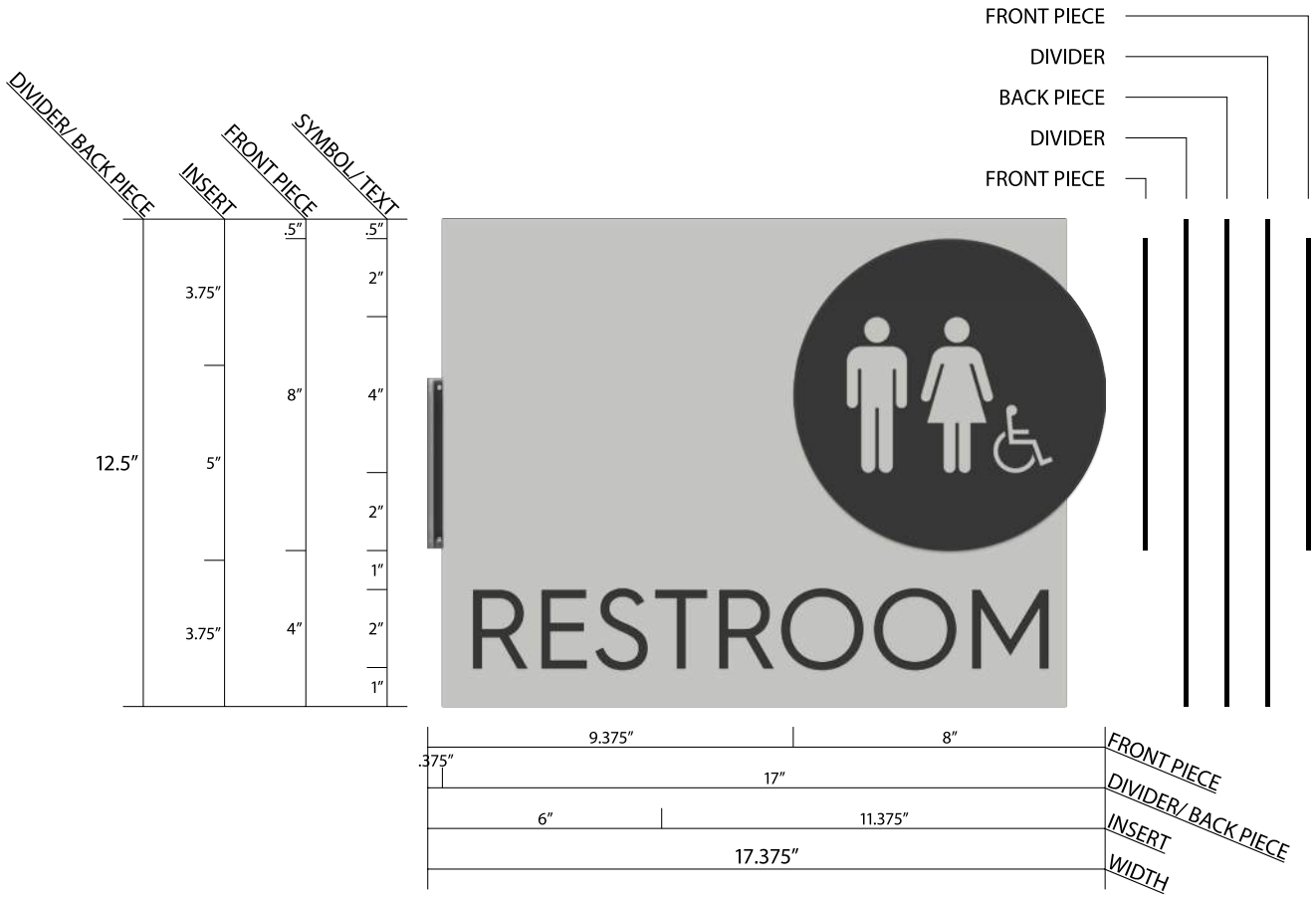


2-Line Directional
5"h x 10"w



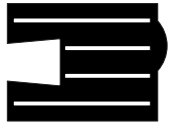


6-Line Directional
11.5"h x 15"w

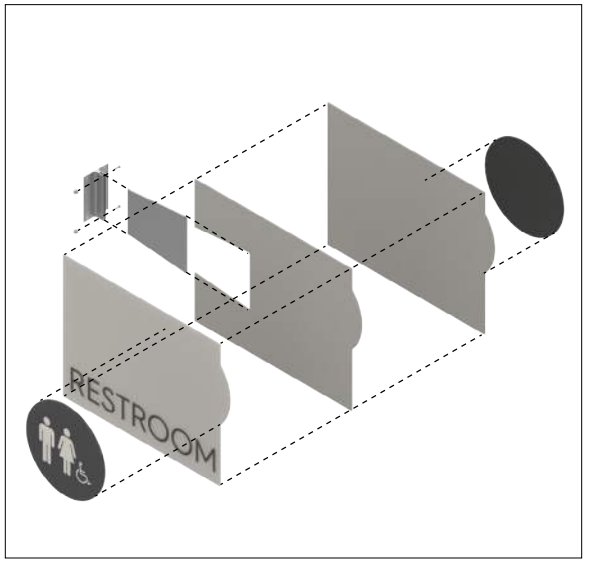


REVERSE SIDE

.125″Thick 5″x 6″
Aluminum Insert



BACK PIECE W/MEMBRANE TAPE



Overhead Wayfinding
12.5"h x 17.375"w

Informational

These signs provide additional information about the property and its various amenities, policies and regulations. The text examples are approved verbiage. Additional or alternative text may require approval by your Brand representative.

The Maximum Occupancy sign is required to meet the specifications set forth within the respective state fire code.

Maximum Occupancy
6" x 8"

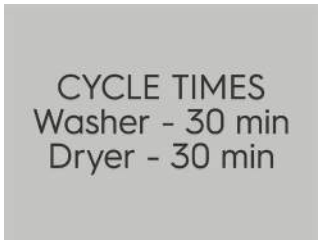
Custom 6-12 Line General Info
11"h x 11"w

Laundry Supplies Available
6"h x 8"w

Complimentary Laundry Supplies
6"h x 8"w

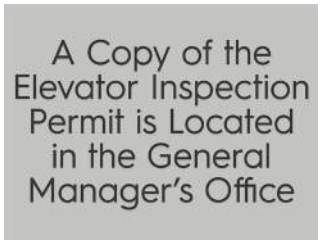
For Assistance Lift Handset
6"h x 8"w

Use Key Card
6"h x 8"w



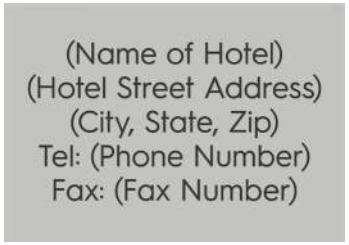
Laundry Cycle Times
6"h x 8"w

Pets Accepted in Hotel
6"h x 8"w



Elevator Inspection
6"h x 8"w

Custom General Info
6"h x 8"w



Business Center Info
7"h x 10"w

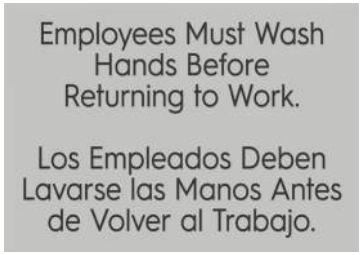
Smoke Free Building
6"h x 8"w

Use Guest Room Key Card
7"h x 10"w

Informational

Accessible Entrance Directional
6"h x 8"w

Owner Operator Plaque
9"h x 7"w

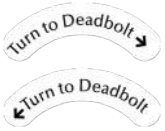


Employee Wash Hands
7"h x 10"w

Debit Card Easel
6"h x 8"w

Recycle ID - small
1.5"h x 5"w

Room Symbols
3"h x 3"w

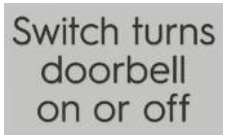


Deadbolt Decal
1.1875"h x 3"w

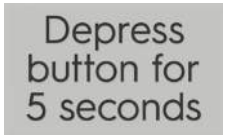
Sprinkler Warning
3"h x 3"w

Fire Pit Shut Off
4"h x 6"w (Sandblasted)

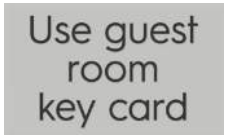
Fire Pit Warning
4"h x 6"w (Sandblasted)



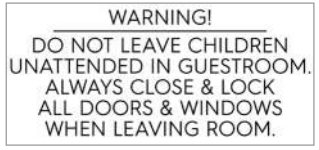
Door Bell Switch
3"h x 5"w



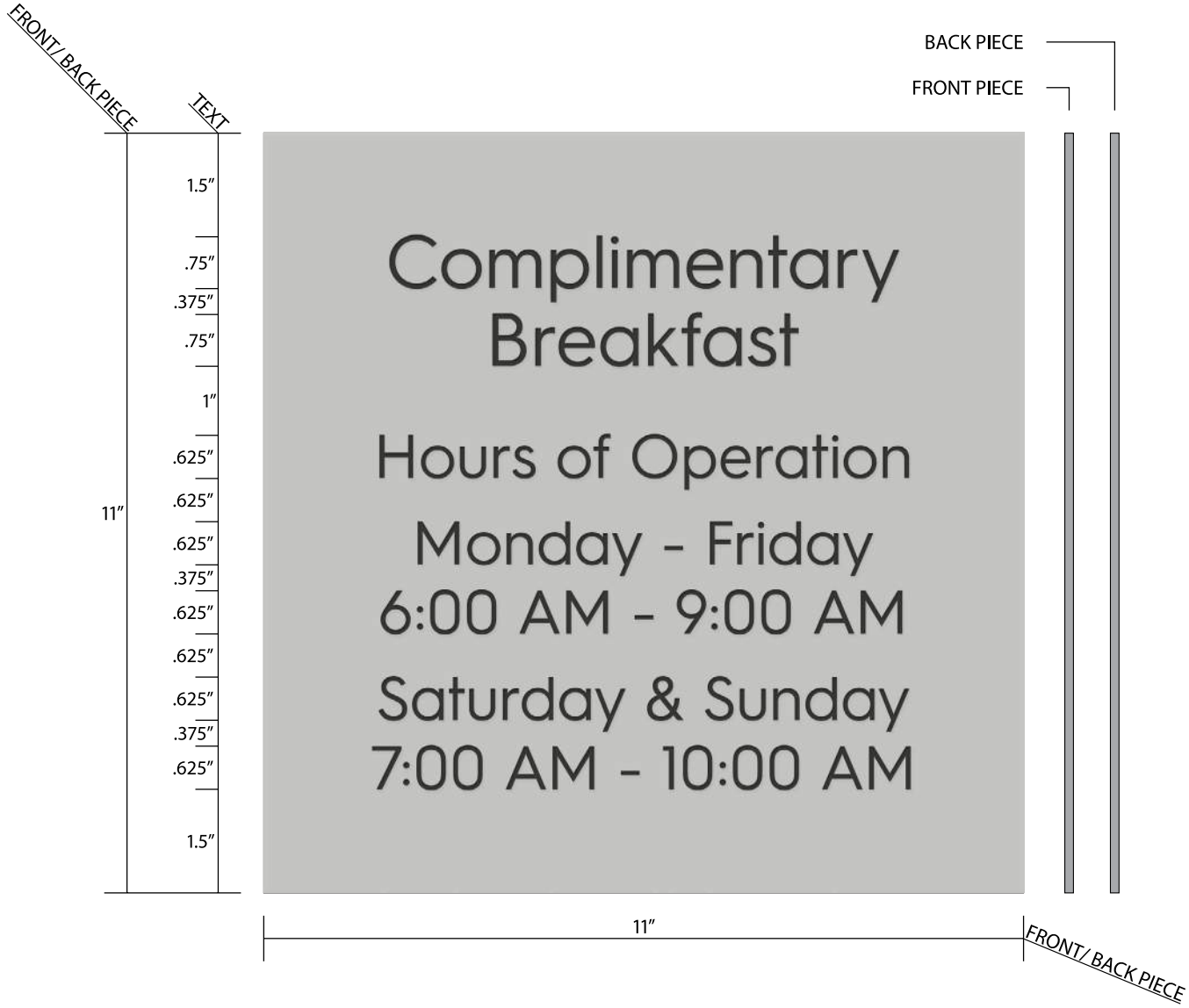
Door Bell Button
3"h x 5"w

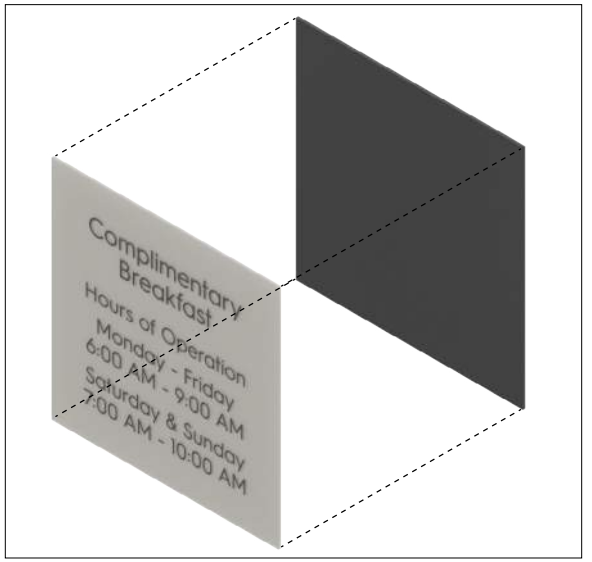


Key Card Decal
3"h x 5"w

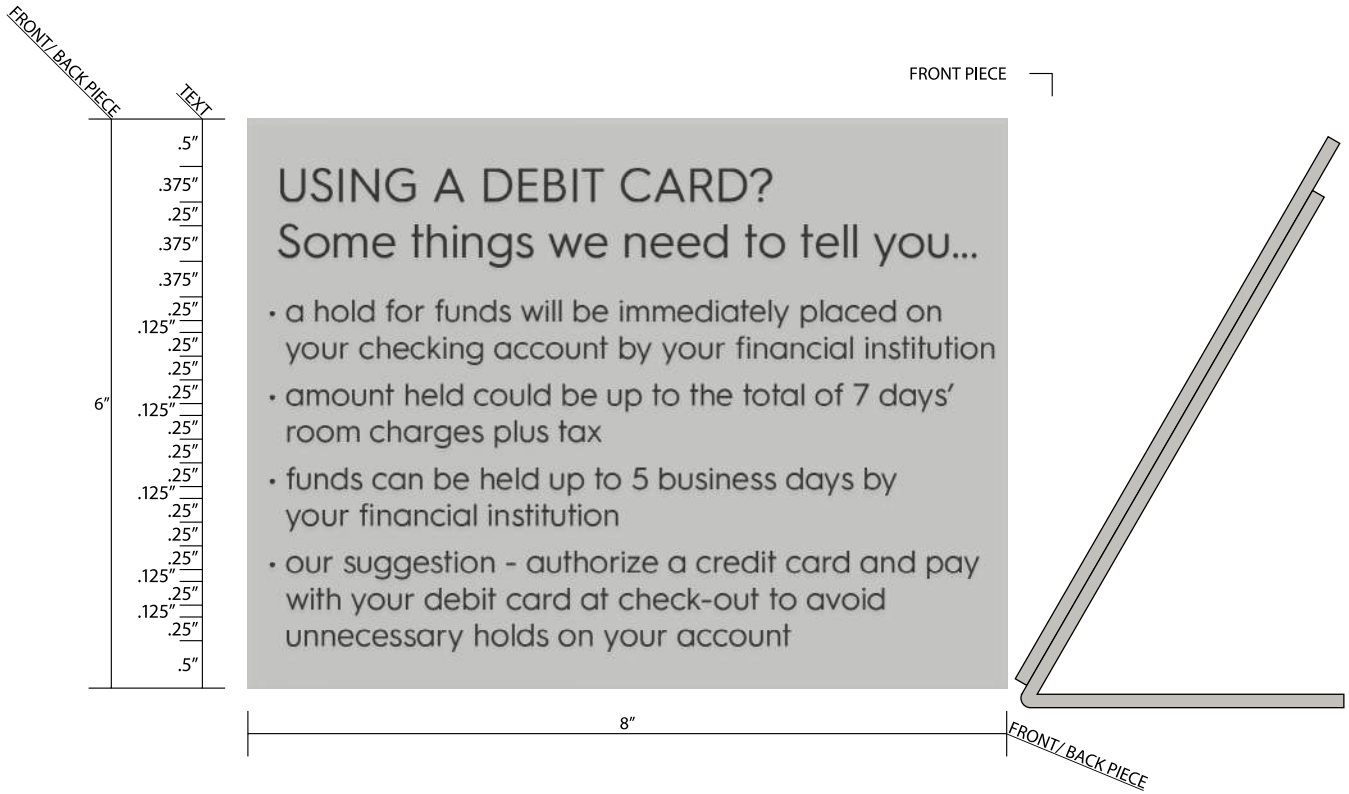


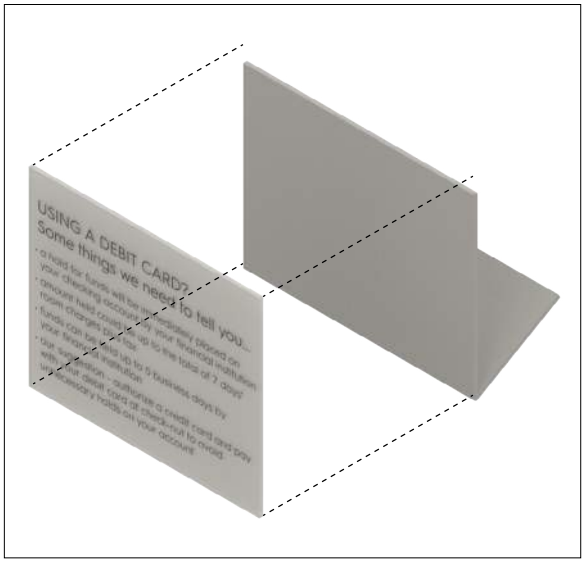
Room Warning Decal
6"h x 13"w



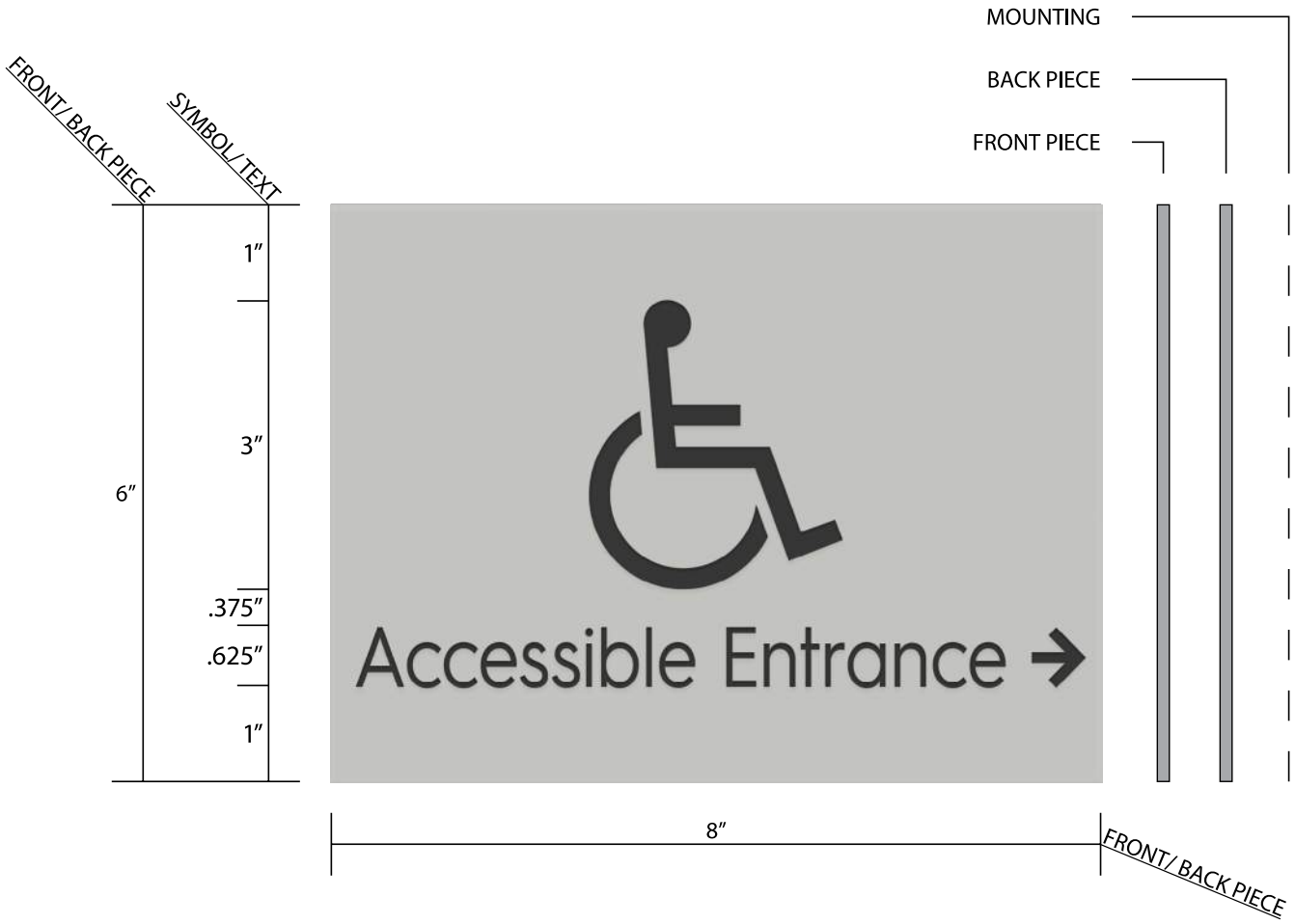


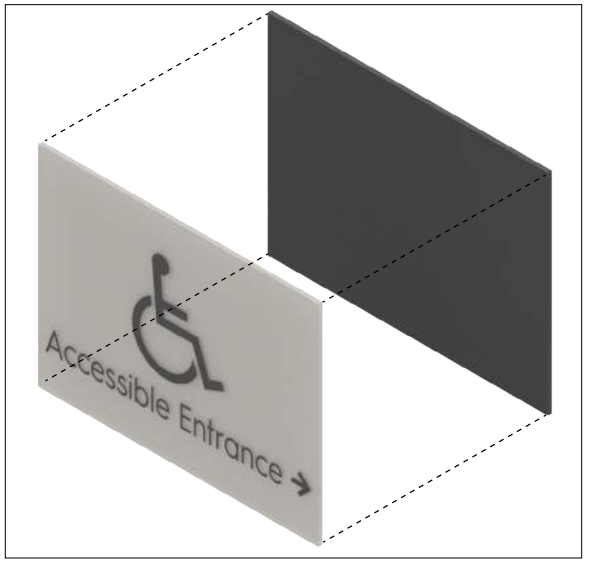
6-12 Line General Information
11"h x 11"w





Debit Card Easel
6"h x 8"w





Accessible Directional
6"h x 8"w

Life Safety Signs

These signs are required by Building Codes to identify and provide information for egress and safety. ADA regulations also apply. The sign standards shown meet the general Life Safety code requirements but may vary by local and state jurisdictions. You are encouraged to consult with your sign supplier and local authorities to ensure the proper signage is posted.

All signs on this page are required by state building/fire code regulations (Chapter 10, "Means of Egress"). The overall design of Elevator Evacs and the Guest Room Evac Maps may change based on state and city codes.

Elevator Evac - Exits
14"h x 11.75"w

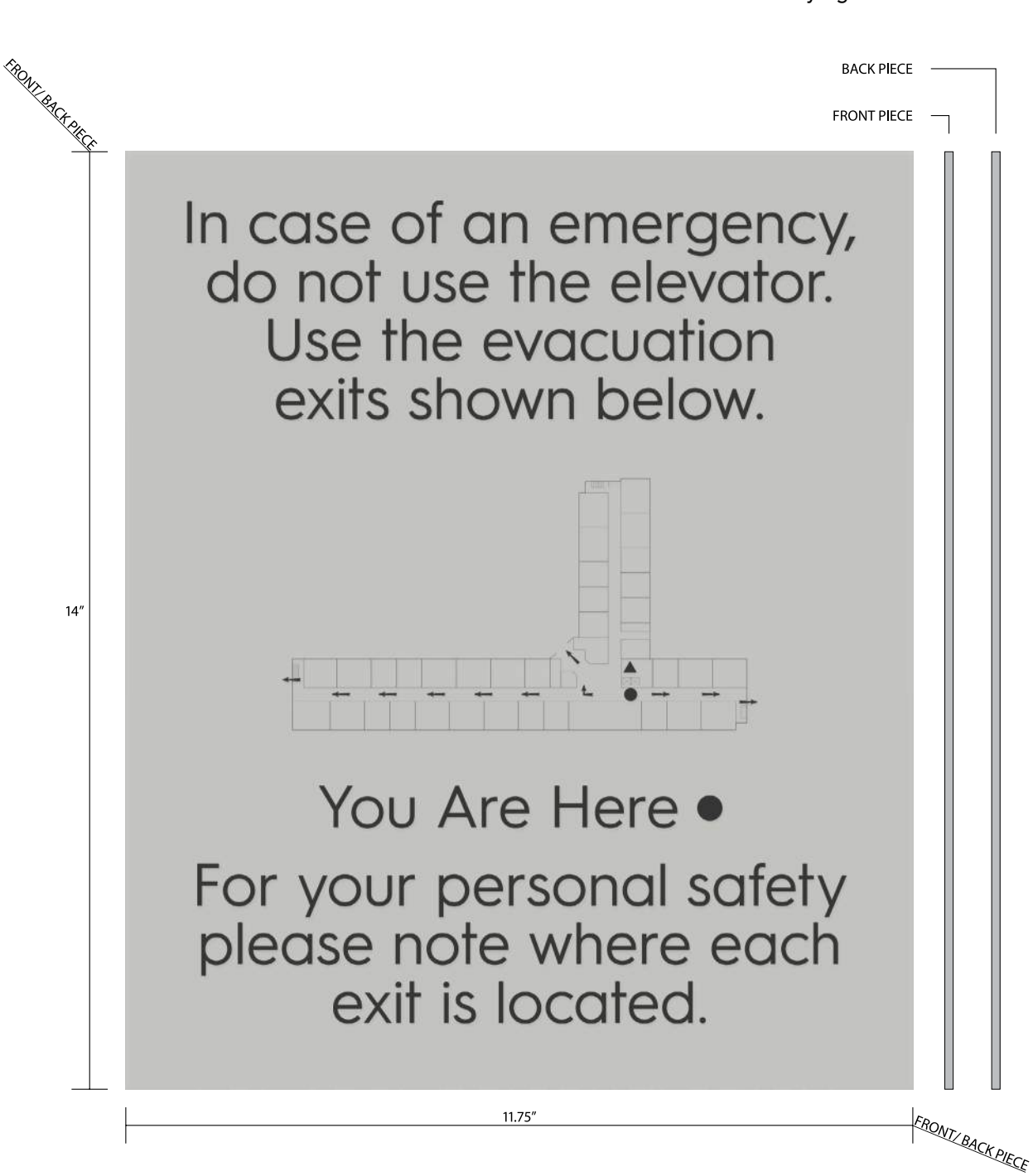
Elevator Evac - Stairs
14"h x 11.75"w

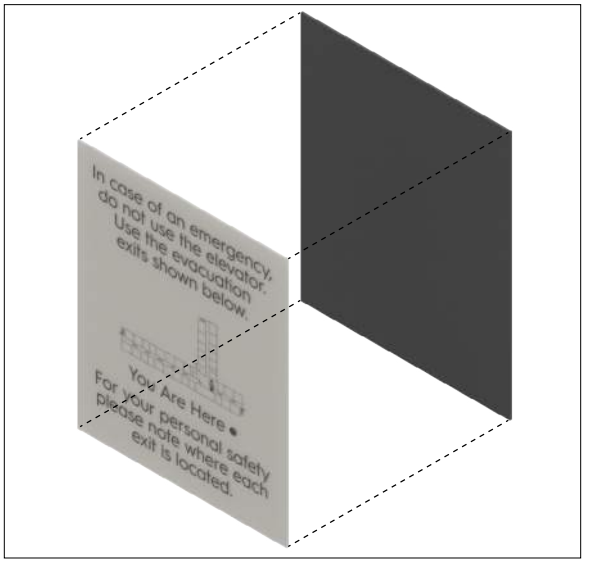
Guest Room Evac Map
12"h x 4.375"w

Guest Room Evac Map
12.25"h x 5"w

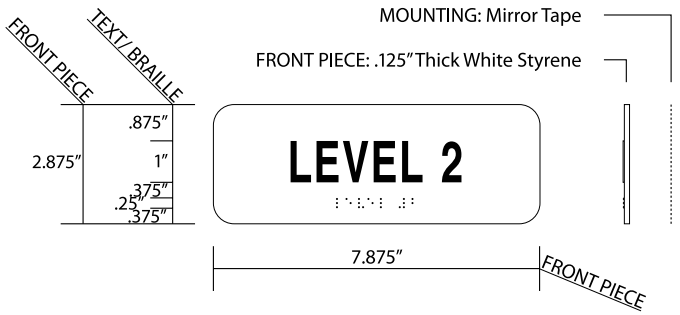
Photoluminescent Stairway ID Sign Package
18"h x 12"w

Photoluminescent Stairway ID Sign Package - Exit Level
18"h x 12"w

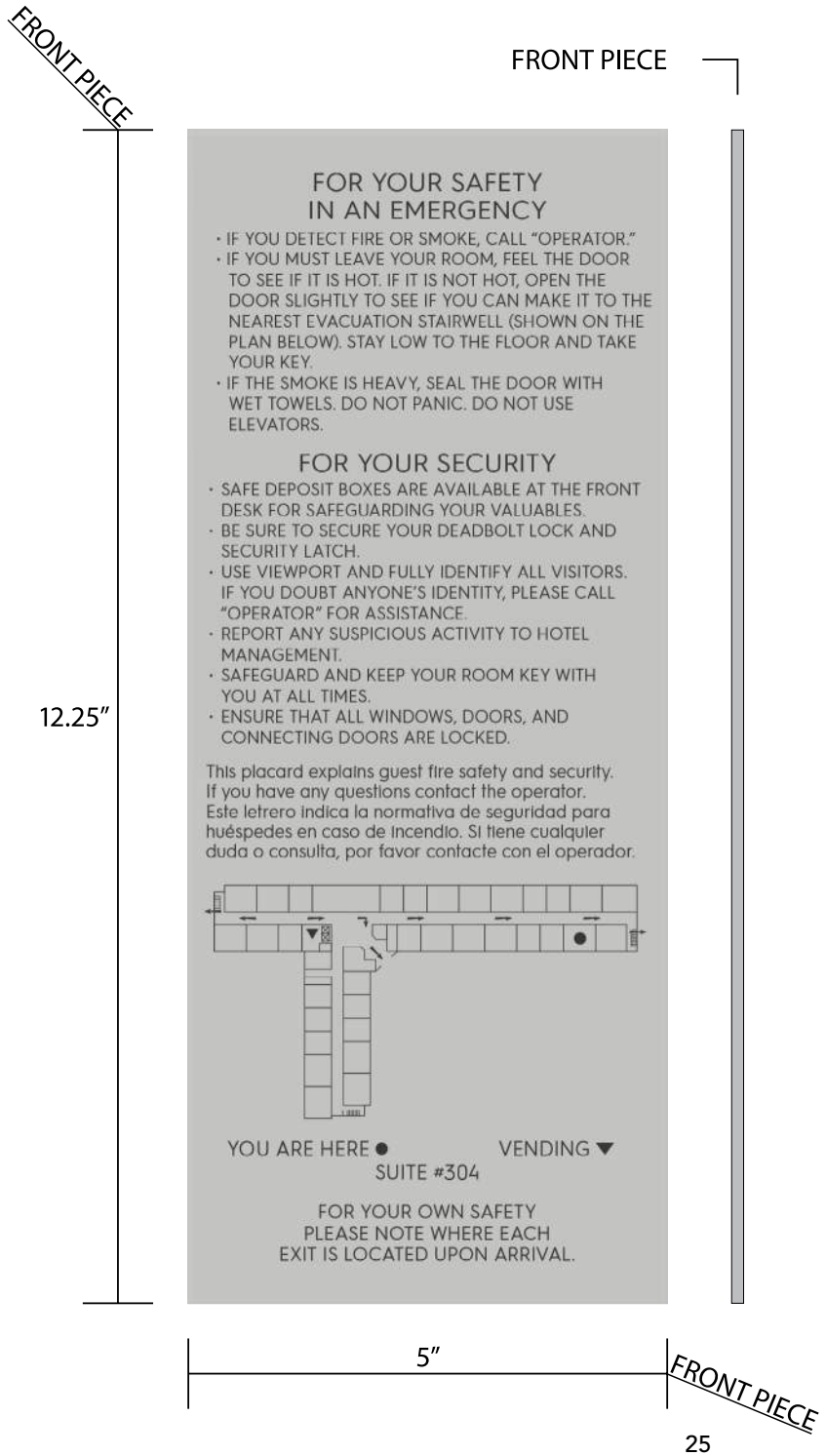


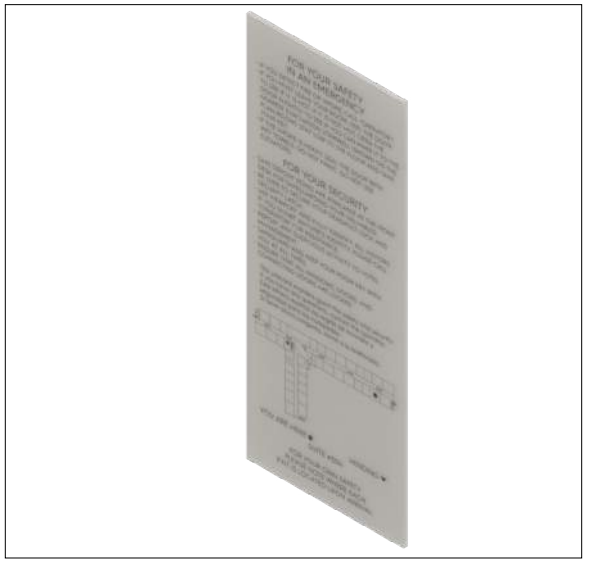


Elevator Evacuation Map
14"h x 11.75"w



Stair Identification & Level Sign
18"h x 12"w, 2.875"h x 7.875"w





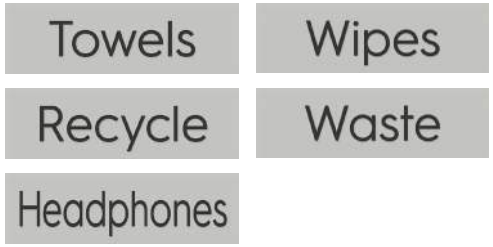
Guest Room Evac Map
12.25"h x 5"w

Fitness Center

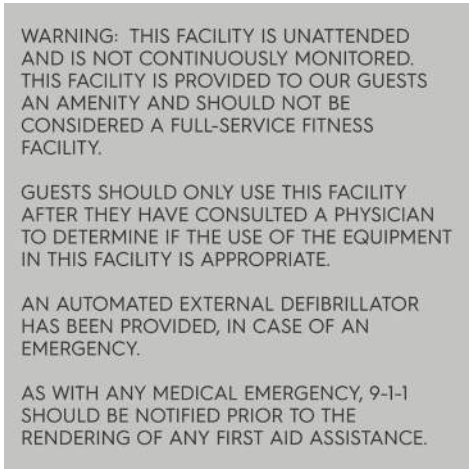
These signs inform guests of the rules, regulations and amenities in the Fitness Center. These signs should match the design of, and be consistent with, the other signs in your sign system. Signs should be constructed of .080" thick aluminum or Fiberbrite with fence mounting brackets and have face applied 7-year exterior grade vinyl, screen printed graphics or digitally printed graphics.

The Fitness Center Rules and the Automated Defibrillator signs are dependent upon the hotel's needs.

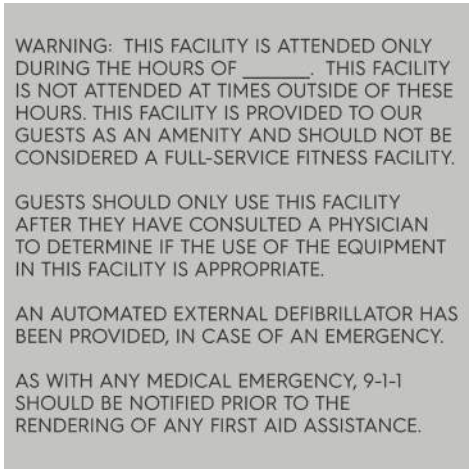
Fitness Center Rules
23.875"h x 23.875"w



Towels & Wipes
1.5"h x 5"w



Automated External Defibrillator
Fitness Center Unattended
20.875"h x 20.875"w



Automated External Defibrillator
Fitness Center Attended
20.875"h x 20.875"w

Swimming Pools

These signs inform guests of the rules, regulations and amenities in the Swimming Pool Area. The text shown is brand approved, but requirements vary greatly from state to state. You are encouraged to consult with your sign supplier and local authorities to ensure the proper signage is posted.

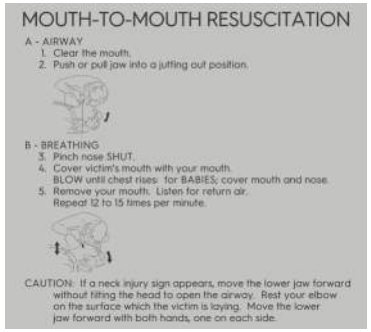
Most states provide rules and regulations concerning swimming pool signage. The signs needed and the verbiage is largely influenced by the respective state law, so each of these signs is dependent upon the hotel's city and state codes.

Pool Area Use Rules
23.75"h x 23.75"w

Whirlpool Spa Rules
36.875"h x 33.875"w

No Lifeguard
17"h x 36"w

No Diving
15"h x 15"w



CPR Instructions
18"h x 20"w

Whirlpool Times
9.375"h x 6.5"w

Emergency Shutoff
4"h x 5.5"w

No Diving
6"h x 32"w

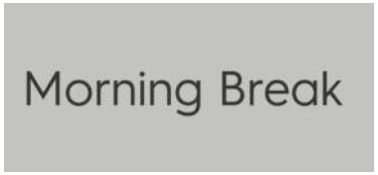
Brand Specific Signs

These signs are specific to certain amenities, and cannot be altered without approval from your Brand Representative.

We've stepped away ...
11"h x 8.5"w

Get connected.
11"h x 8.5"w

Lobby Graphic
7"h x 10"w



Morning Break Sign
10"h x 22"w

TowneMap
18"h x 18"w

Trash Can Sign w/ Symbol
7.1875"h x 12.6875"w

Local Flavors Sign
3"h x 6"w

Hello Desk Signage
14"h x 40.5569"w (PMS 1795C & Black)
City name to be customized per property location.

On Us Sign
8.25"h x 9.2877"w
(PMS 1795C & Black)

In A Pinch Sign
7.375"h x 17.4526"w
(PMS 1795C & Black)

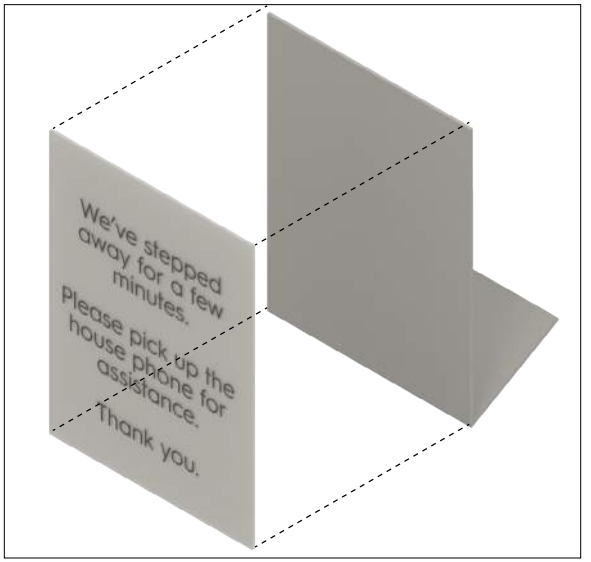
In A Pinch Sign
5.0625"h x 12"w
(PMS 1795C & Black)

Brand Specific Signs

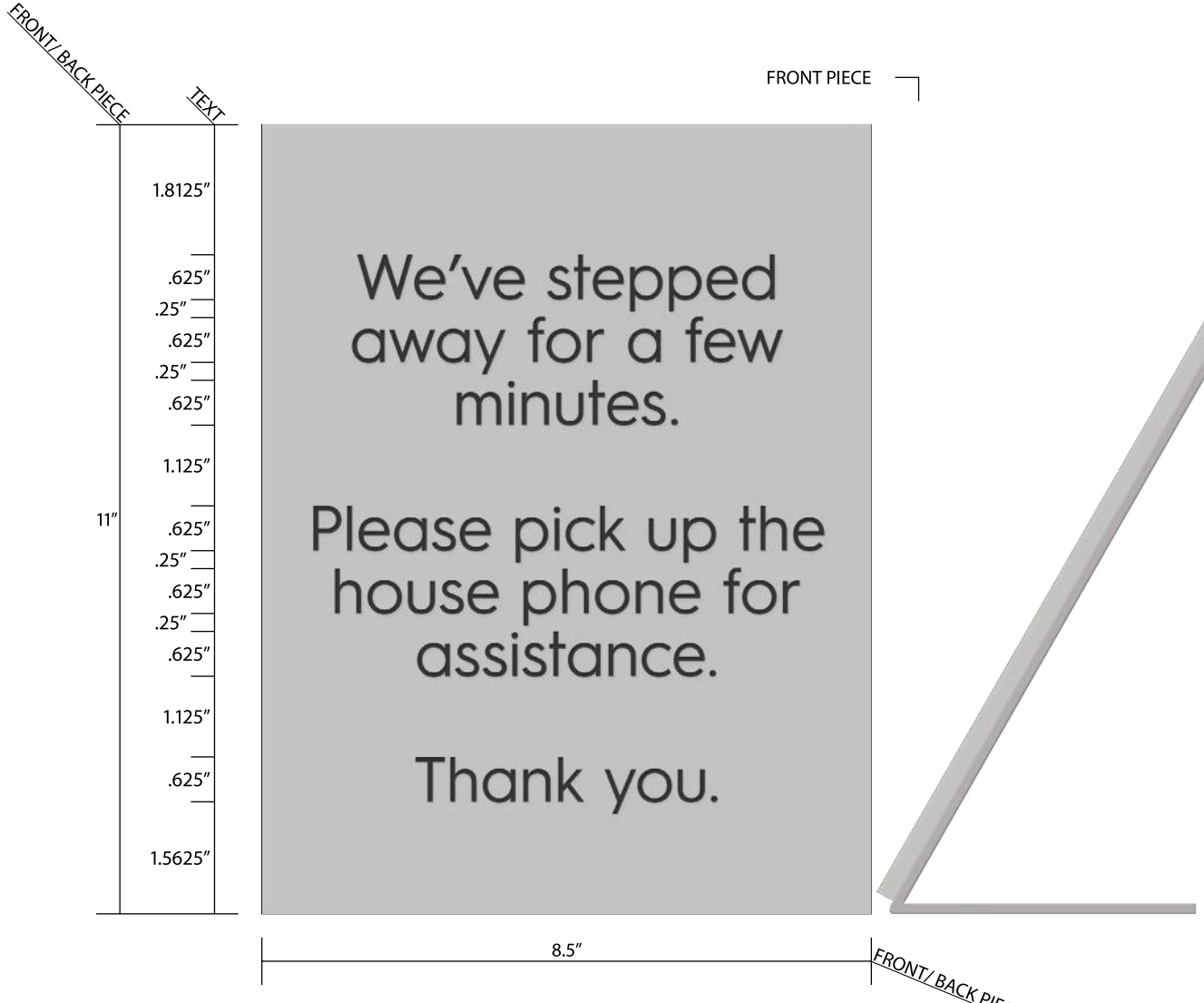
These signs are specific to certain amenities, and cannot be altered without approval from your Brand Representative.

NEW Inspiration Cubes
9"h x 9"w

Stay/Work/Play Inspiration Cubes (REPLACEMENT ONLY)
9"h x 9"w

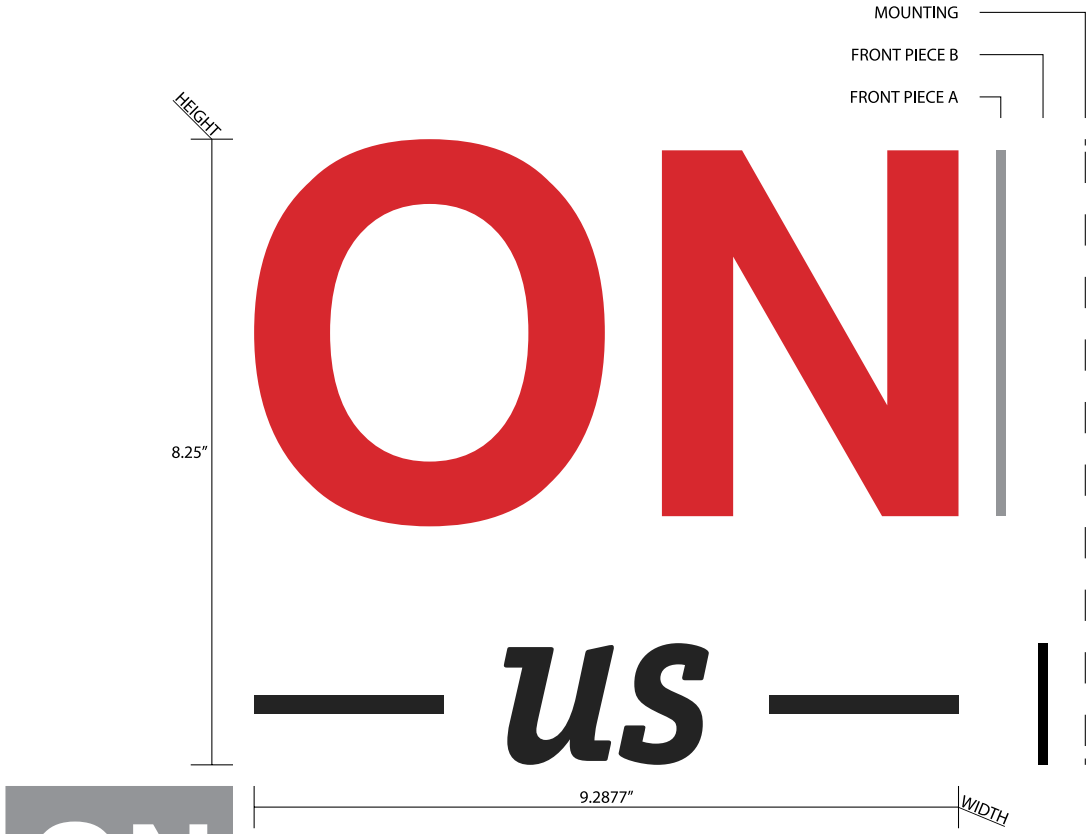


We've stepped away ...
11″ x 8.5″



18″ x 44″ TEMPLATE

Hello Desk Signage
14"h x 40.5569"w (PMS 1795C & Black)
City name to be customized per property location.



12” x 12” TEMPLATE

On Us
8.25"h x 9.2877"w
(PMS 1795C & Black)

Parking Signs

The signs shown are select standard signs that appear at the porte-cochère and arrival parking area. Additional signs may be required as part of your separate exterior sign package. You are encouraged to consult with your sign supplier and local authorities to ensure the proper signage is posted and is applicable to your exterior conditions.

The clearance sign is required if there is a portico, the others are dependent upon the hotel's needs.

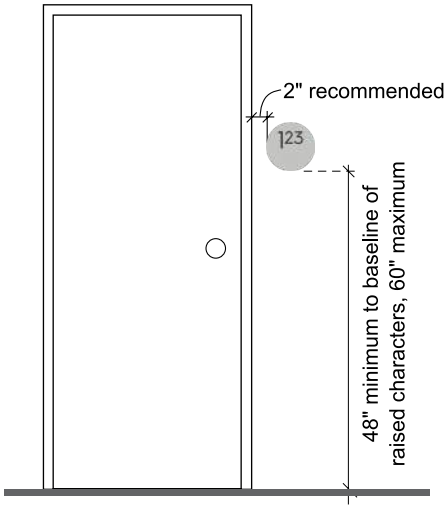
Guest Registration Parking
18" x 12"

Parking Notice
15" x 15"

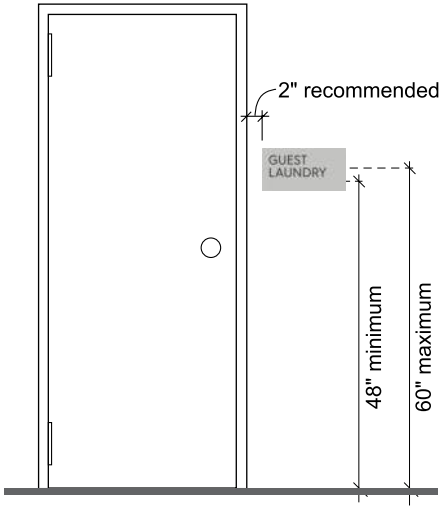
Clearance for Porte-cochère
10" x 60"

Sign Installation

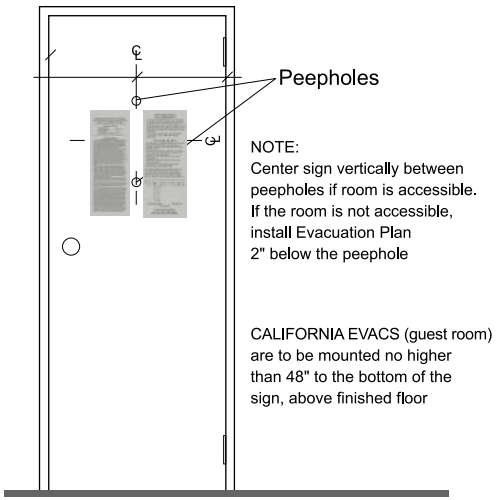
The ADA specifies the mounting heights and locations of signs, based on the type of sign being used. These requirements apply to the majority of interior signs. Any questions about the installation of a specific sign type may be directed toward your sign supplier.



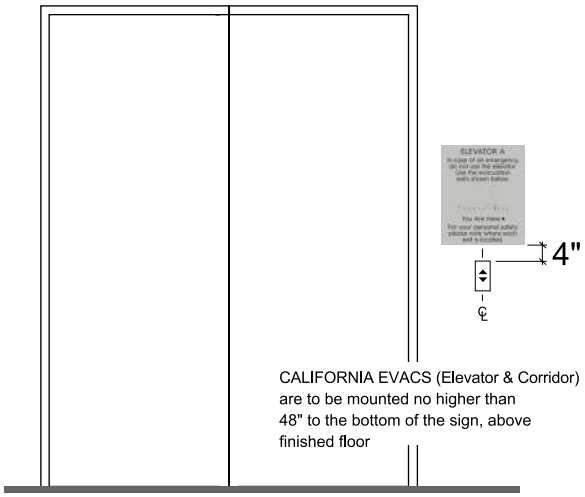
Guest Room Number
(Corridor) not to scale



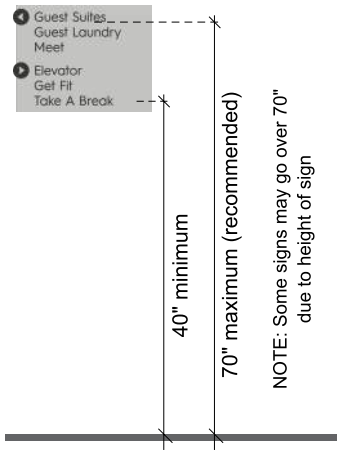
Room Identification
(Corridor) not to scale



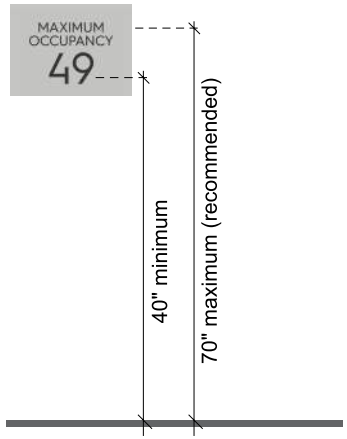
Guest Room Evacuation
(Interior) not to scale



Elevator Evacuation
(Corridor) not to scale



Directional Signage
not to scale



Informational Signage
not to scale

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US & CANADA

TownePlace Suites

safety & security

globaldesignstrategies

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chapter organization

- This chapter is a part of an integrated series of Chapters.
- This chapter is a part of an integrated series of Chapters.

definitions

- Design Standard: a minimum requirement to be fulfilled without exception
- Best Practice: a recommended design guideline, practice or way to execute a design standard
- Expanded Information: an explanation of a design standard or best practice
- Reference (internal): a reference to another document / section within the design standards or to a design strategy / guide within the brand standards

  Exception: Fire Protection & Life Safety Design Standard references are to external codes only

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English is the official and binding language of these design standards. The translated versions are provided as a courtesy only and are not controlling and have no legal effect.

16.1 Overview

A. Purpose: This Chapter of the Design Standards is designed to inform and communicate Marriott International's Safety & Security minimum design standards for new build properties and conversions / property improvement plans.

1. The minimum design standards described in this chapter have been developed to help provide safe and secure properties for guests and employees.

2. The safety & security standards and best practices mitigate or eliminate risk factors associated with likely threats and incidents which holistically enhance guest and employee safety & security.

B. Global Safety & Security - Security Design Process: All projects are initiated with a project specific Risk Assessment.

1. Managed Properties: The Risk Assessment sets the foundation of the Functional Requirements Report which states the relevant safety & security measures required for that particular managed property. The following is an overview of the Global Safety & Security (GS&S) design process for managed properties.

2. Franchised Properties: Comply with the Risk Assessment and the requirements in this Chapter.

C. Design Integration: The Design Standards are organized into complementary chapters to facilitate the integration of design requirements into the design process. Design Standard chapters provide design criteria, facility requirements and general material qualities that facilitate the development of the final design and documentation.

1. EI This chapter (Safety & Security) is intended to be used in conjunction with the current set of chapters that comprise each brand's MI Design Standards.

D. Local Regulation Compliance: Comply with and integrate governing laws, codes and regulations into the project safety and security measures. See Overview & Project Administration <GR1> for the "Code & Regulation Compliance" section. If conflicts arise, notify a member of Marriott International's Global Safety & Security (GS&S) Security Design (SD) team for resolution.

E. Accepted Manufacturers and Specifications: Equipment must be procured using only Marriott International Global Safety & Security accepted brands. Contact Security Design Services for the latest list which is amended on a quarterly basis.

16.2 Access Control

A. Application: Access Control provides selective limits and constraints on the property, facilities and individual rooms.

1. Methods: Access is controlled or monitored with the aid of a physical constraint or equipment such as a storage cabinet lock, an electronic door lock, manual key lock, gates or roller shutters.

    a. Accepted Manufacturers: Equipment must be procured using only Marriott International Global Safety & Security accepted brands.

2. Location: The Security Office / Security Control Center is the primary location for managing access control and security systems. The telephone operators or Call Center may serve as a secondary monitoring location.

B. Site & Building Access: Provide site access controls on the property and within the property buildings.

1. Site Access: Dependent on the Risk Assessment of the property, the following measures will be required. Refer to the functional requirement(s) of each property.
    • Site perimeter wall / fence demarcation
    • Site perimeter vehicle and pedestrian gates
    • Vehicle building entrances equipped with barriers, gates and / or roller shutters
    • Loading bay areas with partition from general parking, and roller shutters at the loading dock platform

2. Parking Structures: (See <1>.) Provide facilities, measures and access controls based on the Risk Assessment Functional Requirements.

3. Exterior Doors: Must have the capability to be secured from the outside and designated egress doors must have the appropriate panic hardware to allow persons to egress in accordance with Marriott's Fire Protection & Life Safety requirements.

4. Pools & Recreational Areas: (See <4C>) To mitigate access by unauthorized persons, provide controlled access at the perimeter of swimming pool, whirl pool, deck areas and recreation facilities. Provide controlled access to avoid entrance conflicts, and allow means of egress paths from the building to exterior through the pool area.

5. Heating, Ventilation & Air Conditioning (HVAC): See <15A> for criteria for locating outside air intakes to mitigate the possibility of allowing undesirable contaminants.

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6. Utilities: Secure and control access for site utilities including but not limited to the following.
   • Domestic Water System
   • Gas Supply
   • Electric Supply
   • Telephone System
   • Generators and Fuel Supply Tanks

C. Electronic Access Control:

1. System integration:
   • Access Control Points - Integrate with video surveillance camera, where applicable, and provide the access control software.
   • Access Control Alarm - Activate video surveillance camera for ease of monitoring.

2. Electronic Lock System: Refer to Mobile Key Certified Lock Standard implementations in MGS.

3. Guestroom Entries: Provide certified models for the RFID lock systems with BLE (Bluetooth Low Energy) as listed in the Mobile Key Certified Lock Standard.

4. BP Network locks are highly recommended, but not required.

5. RFID (radio-frequency identification), proximity activated, on-line (network) ready Guestroom and guest facility access locks are required

D. Electronic Access Control System Components & Locations:

1. System PC Control: Integrate lock server with property management system. Include a handheld lock programmer and interrogator unit.

2. Mini-terminal, Room Controller: Provide one for each of the following if applicable:
   • Front Desk, Check-in Station
   • Concierge Desk
   • Guest Floor Lounge
   • Front Office at Rooms Control
   • Security Office/Security Control Centre

3. Card Encoders: Provide at each mini terminal, plus system PC.

E. Guestroom Entry Lock Components: Review locking schemes and the interface with the PMS with Marriott International. See <13A>.

1. Locks include the following:
   • Stand-alone battery-operated ANSI 4 switch mortise (to allow events like inside door opening and door ajar also recorded in audit trail)

- Automatic Dead Bolt (ADB)
- 2.5 cm (1 inch) dead bolt length
- 1.9 cm (3/4 inch) latch length
- Accessible type lever handles
- Faceplate and trim
- No exposed fasteners
- Electronic, multi-technology, operated lock with audit trail and minimum of 500 recalls
- No master hard key cylinder

F. Access Control Front-End:

1. Non-Guestroom Door Locks:
   - Electronic Guestroom door locks may be used at other locations within the property. However, locks must exclude the automatic dead bolt.
   - Guest Facility Areas: Provide Marriott Mobile Key Certified RFID with BLE key reader.
   - Remote Access Readers (RAR): Card RARs can be used to secure doors, except at Guestrooms. These may also be required where locks cannot mount on doors or where fail-safe passage (emergency ingress) is required.

2. Remote Access Readers (RAR): Related devices are as follows:
   - Card Access Reader: Mounted on adjacent wall.
   - Power Supply (Overhead): Design for specified door latch.
   - Design the electric strike, electronic locks and magnetic lock for the specified door
   - Door Contact Sensor: Design for specified doors with magnetic locks
   - Panic Exit Device: Electrified Mechanical Design for specified door
   - Fire Alarm Signal: Route to specified door
   - Supplemental Equipment: As required by system design or regional conditions

3. Remote Access Readers (RAR) Locations: Provide at the following locations and as dictated by individual property requirements:
   - Fitness Center
   - Swimming Pool Area
   - Remote Guest Entrances
   - Guest Floor Lounge
   - Business Center
   - Employee Entrance
   - Ballrooms & Meeting Spaces
   - Elevator Control Unit (ECU)

G. Electronic Lock System - Locations: Provide at the following locations (not all properties require spaces as listed).

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1. Front of House (FOH):
   - FOH Office from FOH area
   - Parking structure vestibule
   - Fitness Center Reception Area
   - Meeting Rooms
   - Ballroom & Function Rooms (Upon Security Design Services review)
   - Business Center
   - Guestrooms and Suites
   - Suite Pantry
   - Guest Main and / or Side Entrance (dependent on operating conditions).
   - Inside guest lifts / elevators: Access control system must provide capability to program access to specific floors, not only groupings.
   - Executive Lounge
   - Swimming Pool and Guest-only sport & recreational areas
   - Kids Club
2. Back of House (BOH)
   - Banquet Storage
   - Guestroom Corridor entering Service Elevator Area
   - Guest floor Linen Storage and / or Housekeeping Room
   - Guest floor Linen Chute Room
   - Executive Offices staff entry (Finance, HR, etc.)
   - Nurse and Medical Rooms
   - Contract Service Storage (outsourced contractor)
   - Ancillary and Main Receiving Room / Office
   - Maintenance / Engineering Office, Workshop and Storage
   - Bulk refrigerated storage (if applicable)
   - Dry Storage
   - Telecom Equipment
   - MATV system Room
   - Staff Entrance
   - Inside Service Lifts / Elevators
   - Access to BOH Corridors from FOH / Public Areas, and from loading bays.
   - Roof access enclosure
3. Valuable & Sensitive Areas:
   - Luggage Room
   - Lost and Found Room
   - Banquet Beverage Storage
   - Liquor Storage
   - Silver Storage
   - A/V Storage
   - Sound System Equipment Room
   - Guest Safe Deposit Box Room (staff entrance)

• Cash Counting Room
• Guest Package Storage
• Computer Room / IT Room and Server / Data Center Rooms / IDF Rooms
• Control Rooms: Building Management System, Fire Command Center (FCC), and Security Control Room (CCTV Room)
• Security Office at Loading Bay

4. BP No Master Keys: For the following locations (not all properties have spaces as listed), exclude master keys or electronic master key access.
• Gift Shop
• General Manager (GM) Office
• DOF / Controller Office
• General Cashier Office
• Director of Human Resources Office
• Human Resources Office
• Food Storeroom
• Beverage Storeroom
• Lost and Found Room
• Computer Room

H. Other Lockable & Secure Spaces (non-electronic):

1. Provide controlled access to the following (not all properties require spaces as listed).
• Meeting and Event spaces (per Security Design review)
• Guestroom Balcony, Patio, and / or terrace doors (primary and secondary lock)
• Guest Safe Deposit Box Viewing Room door with remote release
• Receiving Area / Loading Bay - provide doors / gates to secure from pedestrian and vehicle access
• Food Production Facilities / Kitchens
• Service Bars
• Storage Cages
• Exterior doors: Securable, latching hardware, NFPA approved for that application
• Guestroom Connecting Doors: Provide a 25.4mm (1 inch) deadbolt and 19mm (¾ inch) latch with thumb turn located on guestroom side only. Password or PIN type access control readers not permitted.

I. Door Vision Panels & Viewports: Provide enclosed areas with visual access at doors for the following locations (not all properties require spaces as listed),

1. Back of House: Provide visual access at high volume, 2-way traffic doors.

2. Door Vision Panels:
• Restaurant Service Entrance

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- Food Production Storage (Cold room) Walk-In Unit
- Guestroom: Viewports with privacy covers
- Guestroom floor ice dispensing and vending
- Guest Laundry
- Cashier Area
- Counting Room / Area
- Guest Safe Deposit Box Room / Area
- Employee Break Room

J. Elevators: (See <7B> and <12>.) Comply with the following.

1. Emergency Medical Evacuation: Size elevator cab and door openings to accommodate stretcher movement from each floor. See governing code for stretcher requirements.

2. Mixed-Use Projects: Do not share guestroom floor elevators with other building uses. For mixed-use projects, where stairs might be shared for evacuation purposes, contact regional Global Safety & Security, Security Design for advice and guidance.

3. Parking: Passenger shuttle elevators serving parking structures do not access Guestroom floors but terminate as close as possible at the main Lobby entry within view of the Front Desk.

K. Emergency Staircases:

1. See the MI Fire Protection & Life Safety policy. Emergency staircases have unrestricted re-entry at each floor and staircase doors must be unlocked with free access both ways.

2. As a minimum, provide panic hardware on the discharge door from the emergency staircase for egress to the exterior. Access to the emergency stairwell is restricted from the exterior to interior of the staircase at the discharge level.

3. Each project is different in terms of size, occupancy type and layout, etc. Emergency staircase re-entry requirements are agreed in consultation with MI FLS and GS&S, therefore each project design team must contact their regional MI Global Safety & Security, Security Design representative for advice and guidance.

16.3 Safety - Features & Design Elements

A. Safety Information Signage: Provide safety information signage at the following locations and at areas identified by the Risk Assessment Functional Requirements.

1. Locations:

   a. See signage and graphics specifications.
      • Fitness Center
      • Swimming Pool Areas
      • Whirl Pools
      • Guestrooms
      • Guestroom Balconies
      • Outdoor Recreation Facilities
      • Fire Pits
      • Fireplaces

   b. Distraction Graphic: Apply a brand approved logo or pattern, at 5'-0" (1.5 m) height AFF, to full height clear glass doors and glass panels. Pattern may be an applied film or embedded into the glass and must meet local code requirements. Coordinate design with MI project team and submit for acceptance.

2. Parking Structures: See <1>.

   a. Pedestrian: Coordinate vehicle signage with pedestrian and overall project signage planning requirements and specifications.

   b. Low Clearance: Provide signs to warn drivers of low clearance areas.

3. Evacuation Plan: Provide Guestroom evacuation plan with American Hotel Lodging Safety Tips signage on room side of entry door. See <7A> and <14>.

4. Innkeeper's Statute: Provide governing authority's innkeeper's statute on room side of entry door.

B. Slip Resistance: Provide slip resistant walking surfaces (wet and dry conditions) in compliance with the minimum dynamic coefficient of friction standard as required by ANSI A137.1 and ANSI A326.3 testing, ASTM E303-93 and governing regulations. The minimum standard is a dynamic coefficient of friction (DCOF) of 0.42 and applicable to interior and exterior surfaces that are:
   • Generally, flat and horizontal
   • Sloped and for ramps
   • Steps and stair treads

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• Ramps in parking structures

C. Change in Elevation: Comply with accessibility design requirements (<GR1>), governing regulations and the following for stairs, steps, ramps, guard rails, handrails, etc.

1. Exit Stairs: Comply with <14>.
2. Exterior Stairs: If stairs are required at walkways, provide a minimum of three risers. See <1>.
3. Steps & Stairs: Make steps and stairs apparent and easy to use with the appropriate application of the following elements.
    a. Steps: Avoid one and two riser stairs, use ramps or flight of stairs with three risers minimum.
    b. Tread Depth: 28 cm (11 inch) minimum
    c. Nosings: Identify tread edge for full width of stair tread.
    d. Riser Height: 10 cm (4 inch) minimum and 17.8 cm (7 inch) maximum
    e. Contrast: Change floor color or materials to identify stair location.
    f. Headroom: 2.03 m (6-8) minimum
    g. Handrails: At a minimum, provide graspable shaped handrails at both sides of stairs. Design and fasten to resist a minimum force of 0.73 kN/m (50 lbs./lf) and a single concentrated force of 0.89 kN (200 lbs.) applied in any direction.
    h. Guard & Rail Assembly: Protect open areas at stairs and stair runs with guard and rail assembly and see design criteria below.
    i. Lighting: Provide general illumination to identify stairs.
4. Guard & Rail Assembly: Provide guard and rail assembly protection at the following areas.
    a. Balconies: Provide at open sides of balconies. See <7A>.
    b. Stairs: See "Steps & Stairs" above.
    c. Open Floors & Walkways: At open area level changes to prevent a person from accidentally stepping or walking off the upper floor.
    d. Site, Parking & Retaining Walls: In areas accessible to the public, provide guard and rail assemblies on open sides where the level exceeds 76 cm (30 inch); integrate with landscaping.
    e. Guard & Rail Assembly Design Criteria: Provide for the following.

• Height: 107 cm (42 inch)
• Openings: Design to restrict the passage of a 10 cm (4 inch) diameter ball
• Bottom Rail: 5 cm (2 inch) maximum above floor
• Design to restrict climbing
• Design and fasten to resist a minimum force of 0.73 kN/m (50 lbs./lf) and a single concentrated force of 0.89 kN (200 lbs.) applied in any direction
• Design intermediate rails and panels to resist a horizontal load of 0.22 kN (50 lbs.) per 0.093 m² (1 sq. ft.)

5. Ramps: Provide where steps are not permitted, and where required by governing code and accessibility regulations.

    a. Handrails: If slopes are steeper than 1:20, provide graspable shaped handrails. Use design criteria as required for stairs above.

    b. Rise: Do not exceed 77 cm (30 inch).

    c. Exterior Ramps: When changes in elevation are required at walkways, accommodate whenever possible by ramps with slopes sufficiently shallow so that handrails are not necessary. See <1>.

    d. Interior Ramps: Maximum slope is 1:12 or 8%.

D. Walkway, Doorway & Circulation Widths: Design the features to allow easy access for people and services.

1. Corridors & Aisles: Generally guest area aisles and corridors require a minimum width of 1.5 m (5 ft.). See <7B>.

    a. BOH Areas: Back-of-house personnel service corridors are typically larger requiring 2 m (6.5 ft.) minimum for circulation with paths capable of accommodating pallet size deliveries. See <8B>, <9>, <10> and <11B>.

    b. Banquet Service Corridors: Provide minimum of 3 m (10 ft.) clear width. See <6> and <8B>.

2. Door Widths: Provide door sizes with minimum widths as follows.

    a. Personnel Circulation: 0.91 m (3 ft.)

    b. BOH Service Circulation: 1.07 m (3.5 ft.) for moving materials, equipment, housekeeping carts and laundry carts.

    c. Equipment Movement: 0.91 m (3 ft.) each door of door pairs at locations requiring equipment movement for Queen Marys, hot boxes, boiler equipment, etc.

    d. F&B Refrigerated & Frozen Unit Storage: Door pairs to accommodate pallet width. See <10>.

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3. Pool Decks & Terraces: See <4C>.

    a. Paths to Pool: 1.5 m (5 ft.) wide

    b. Rescue Access: Deck width not less than 1.22 m (4 ft.) at entire perimeter.

    c. Whirl Pools: Separate from swimming pool minimum width of 1.22 m (4 ft.).

4. Parking Sidewalks: (See <1>.) Provide 1.5 m (5 ft.) minimum width sidewalks for primary circulation routes, and 1.22 m (4 ft.) minimum width for secondary routes.

5. Traffic Circulation Features: Provide proposed property traffic and parking analysis for MI's acceptance. See <1>.

    a. Sizes / Widths: Provide 2-way circulation with 90 degree parking in the following minimum widths:

Single Lane Driveways	3.6 m	(12 ft.)
Two-Way Drives	7.0 m	(24 ft.)
Curb-to-Curb	19.5 m	(64 ft.)
Wall-to-Wall	19.5 m	(64 ft.)

    b. Service / Delivery Entrance: Provide controlled service access designed to minimize vehicular conflict with pedestrians.

E. Bathrooms: Provide slip resistant bathroom floors in bathing facilities.

1. Bathroom Floors: Comply with the minimum dynamic coefficient of friction standard as required by ANSI 137.1 and A326.1 testing and governing regulations.

2. Bathing Facilities: Comply with ASTM F462 slip resistance, dynamic coefficient of friction standard for bathtubs, shower floors and receptors.

F. Grab Bars: In guest bathrooms, to mitigate slip and falls, mount and securely fasten grab bars to withstand minimum of 113 kg (250 lbs.) force in any direction. Provide grab bars at the following locations. Comply with <7A>.

1. Bathtub: Mount to assist with entering, exiting and maneuvering within the bathtub.

    • Built-in Tubs: On “plumbing wet wall”, mount grab bar vertically, above and inside outer edge of tub.

    • Free-Standing Tub: Mount grab bar horizontally on tub surround, tub ledge or a position convenient to person entering and exiting tub.

2. Shower Enclosure: (See <7A>.) When a footrest or bench is provided, mount grab bar on shower wall convenient to person using sidewall or corner mounted footrest.

G. Safety Glass & Glazing: Provide Safety Glass & Glazing in compliance with the U.S. Consumer Product Safety Commission (CPSC) and governing codes at the following locations.

1. Human Impact: Provide tempered or laminated safety glass at locations subject to human impact. Examples include the following:
   • Doors and sidelights
   • Full height windows (without guard rails or curbs)
   • Balcony and patio doors and windows
   • Shower enclosures and glass doors
   • Bathtub surround and screens
   • Room dividers and doors
   • Mirrors (safety backing)

2. Skylights: In skylight and overhead assemblies above occupied spaces, provide laminated glass. If tempered glass, provide screening below skylight to prevent glass from falling on occupied areas.

H. Operable Windows: Limit window operation to 10 cm (4 inch) maximum opening with manufacturer's restrictive safety stop integrated with the window fabrication (unless prohibited by code). Provide with manufacturer's "key" for maintenance operation.

I. Emergency Response: Provide the following system devices and equipment to alert occupants and employees to an emergency condition and allows them to mitigate the situation.

1. Shut Off: Provide shut off devices in the following locations.

   a. Whirl Pool: Provide emergency stop button to shut off whirl pool jets and pump. Locate control adjacent to 15 minute timer outside of reach from persons in the pool. See <4C>.

2. Eye Wash Stations: Connect units (see <15B>) to tepid water pipe and drain systems. Reservoir types are not allowed. Install permanent units where chemicals are mixed, dispensed and used in concentrated form at the following locations:
   • Swimming / Whirl Pool Equipment Room, see <4C>
   • Maintenance Shop, see <9>
   • Laundry Facilities, see <11A>
   • Housekeeping Chemical Station, see <11B>
   • Commercial Kitchen Warewashing, see <15B>

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3. House Telephones: Provide telephones for guests and employees per Administrative Telephone Guidelines (see <13A>) including the following locations:
   • Lobby Area
   • Fitness Center
   • Swimming Pool
   • Guest Laundry
   • Receiving Area
   • Remote outdoor recreation facilities

4. Emergency Electrical Systems: Provide emergency power for standby and backup electric power loads. See <15C>.

   a. Standby Power: Maintains standby power for required Fire Protection and Life Safety systems. See <14>.

   b. Backup Power: Maintains backup power for property Operations and Security per project and Marriott's requirements.

J. Water Safeguards: Design water features and facilities to ensure water quality, and avoid splashing and spillage issues. Employ a consultant familiar with the proposed water features and facility designs.

1. Decorative Fountains & Ponds: Design with sufficient horizontal dimension to prevent water splashing on adjacent walkways.

2. Swimming Pool / Whirl Pool: Design and construct pool details, drains, pumps and equipment to prohibit hazards that cause tripping, slipping, or suction entrapment of hair and people. See <4C>.

   a. Filtration: Provide separate systems for the pool, whirl pool and water features.

   b. Pool Suction Drains: To avoid entrapping people in pool suction drains, comply with the provisions of the governing authority and the U.S. "Virginia Graeme Baker Pool and Spa Safety Act" that include features such as the following:
      • Drain Covers (grates): Provide with anti-entrapment devices or systems
      • Suction Drains: Two drains located at least 92 cm (3 ft.) apart or an unblockable drain
      • Safety Vacuum Release System (SVRS): SVRS or other automatic pump shut off system

   c. Rescue Assistance: Provide a minimum of 1.22 m (4 ft.) deck area at the perimeter of swimming and whirl pools.

K. Open Flame Features (Outdoor): To mitigate potential risks associated with open flame features (fire pits, bowls, features, etc.), incorporate the following safeguards after initial contact with Global Safety & Security, Security Design.

1. Pipe the feature's gas fuel from the property's central gas fuel system. See Fireplaces, below, for Ethanol requirements.
2. Products rated for outdoor use only with UL approved components. Maximum flame of 50,000 to 100,000 BTU.
3. Manufacturer: Follow manufacturer's installation, operations and maintenance guidelines and the requirements in this chapter, whichever is more stringent. Consult with MI Risk Management for specific conditions.
4. Gas valve and ignition switch behind lockable panel adjacent to and within line of sight of the open flame
5. Emergency shut off, readily visible and accessible
6. Automatic gas shut off, when flame is extinguished
7. Design with stormwater drain
8. No structure, coverings or decorative elements above the area defined by a 3 m (10 ft.) radius from the center of the open flame
9. Safety signage and graphics
10. Approval of fire and building agency having jurisdiction
    a. Example: Fire Pit (Outdoor) Diagram

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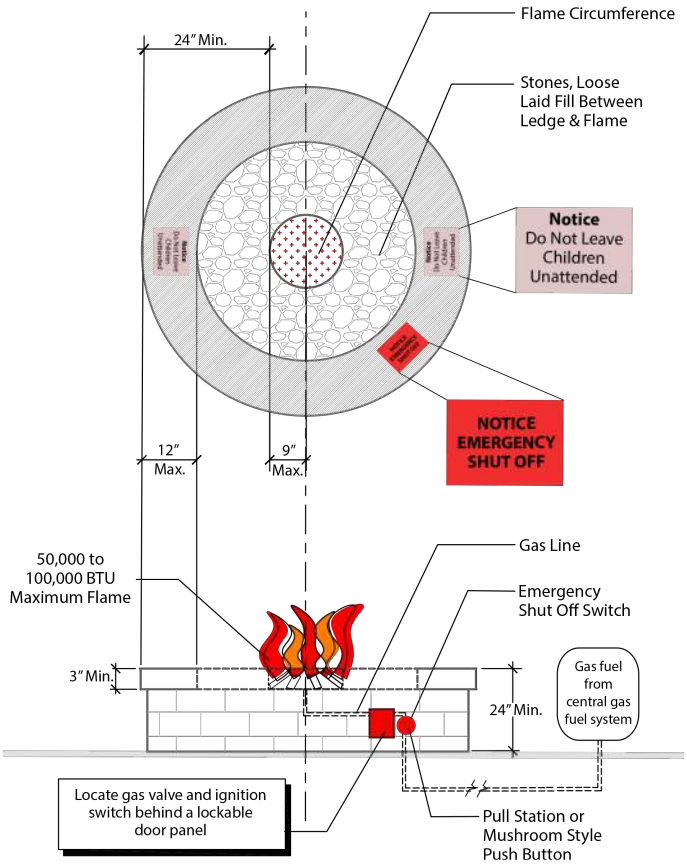

L. Fireplaces: Provide the following safeguards at fireplace locations after initial contact with Global Safety & Security, Security Design Services.

1. Carbon Monoxide (CO) Detector: Locate detector in room with fireplace including a sounder, connect to the fire alarm control panel (see <14>). Exceptions are electric fireplaces.

2. Thermal Protection Screens: Equip fireplace opening with a barrier or screen (such as iron or steel mesh) to prevent children from access to hot surfaces.

3. Wood Burning Fireplaces: Properly store wood in a dry and protected space, and away from heat and flame. Remove and dispose of ash in non-combustible containers.

4. Timer: Provide a timer to automatically turn off fireplace after a reasonable time (usually 30 minutes). Exceptions are wood burning and public area fireplaces.

5. Venting: Vent fuel burning fireplaces to the exterior. Ventless, fuel burning fireplaces are not accepted for sleeping rooms and other similar confined areas. Exceptions are electric fireplaces.

6. Signage & Graphics: Provide the following safety signage and graphics for guest operated fireplaces:

a. Safe operation of the fireplace

b. Caution regarding presence of children

c. Timer operation

7. Approvals: Provide fireplace units and construction that are certified by an independent agency and code authority. Products must maintain UL approved components or equivalent.

8. Manufacturer: Follow manufacturer's installation, operations and maintenance guidelines and the requirements in this chapter, which ever is most stringent. Consult with MI Risk Management for specific conditions.

9. Ethanol Burning Fireplaces and Products: Follow the requirements above and include the following.

   a. Products: Required to have a spill-sensor feature which prevents operation of the unit for a set time until the fuel has been wiped clean.

   b. Fuel Refilling: Performed by a properly trained individual in one of the following ways. Do not refill fuel or move unit when hot.
      • Replace the entire fuel tank
      • Refill from a spill-proof container supplied by the manufacturer. Refilling through a funnel is not allowed.

   c. Indoor Units: Provide at least one carbon monoxide (CO) detector in the room with a sounder alarm, connect to the fire alarm control panel. Include a readily available fire extinguisher in the area.

   d. Fuel Storage - Indoor:
      • Store in an approved fuel container with a volume not-to-exceed 20L (5.3gal) per container.
      • Store fuel containers within a secured approved flammable liquid cabinet with a total volume of fuel not-to-exceed 94.6L (25gal)
      • Clearly mark storage cabinets "Flammable"
      • Fuel is not permitted in basement areas.
      • Gasoline and propane are not permitted in the building with ethanol.

   e. Fuel Storage - Outdoor: Preferred
      • Store fuel in a secured and locked area.
      • Fuel storage above the 94.6L (25gal) allowed within the building: Store outside at a minimum of 6m (20 feet) away from the building, street, alley or public way.
      • In lieu of the 6m (20 feet) distance: A fire barrier wall without openings and no less than .76m (30 inch) above and to the sides of the storage area is permitted.

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M. Electrical: Provide emergency electrical service duplex outlets connected to the backup power source. See <15C>.

N. Lighting: Provide lighting, an important aspect of access control and safety management. Comply with the Design Standard lighting levels and criteria. See <15C>.

1. Light Levels: The following locations require "average maintained" light levels.
   - Walkways
   - Parking Structures, see <1>
   - Building Entry Areas, see <1>
   - Back-of-House Areas (BOH), see <8B>, <9>, <10> and <11B>
   - Outdoor Recreation Facilities

2. High Risk Area: High risk areas may require higher lighting levels per Safety & Security Review.
   - Public Restrooms: Provide lighting controls at remote electric panel board. See <15C>.
   - Parking Lots & Driveways: Locate light poles to minimize the need for impact protection. Do not block or obstruct illumination source with trees.

O. Rooftop: : When working on rooftops, comply with local government legislation or the O.S.H.A. “Walking and Working Surfaces; Personal Protective Equipment (Fall Protection Systems)” May 2003, whichever is more stringent. If conflicts arise, notify a member of Marriott International Global Safety & Security, Security Design Services team for resolution.

16.4 Security Facilities

A. Security Office: A Security Office is not required for prototypical Brand designs. Property security monitoring for Back-of-House (BOH) areas, employees entrances, deliveries, package inspection, control of materials and issuing employee identification badges, electronic keys and hard keys is conducted from the front administration offices or engineering spaces.
   If a Security Office is required for custom (nonprototypical) properties, coordinate the security facility design with the Risk Assessment's Functional Requirements.

16.5 Security Systems & Equipment

A. Accepted Manufacturer: Equipment must be procured using only Marriott International Global Safety & Security accepted brands.

B. Communication - Telephone: Provide telephones at security offices, control rooms and duty posts.

C. Communication - Radio System: Provide a multi-frequency, UHF or VHF, 2-way radio system utilized by property's security employees for routine and emergency communication.

   1. Radio System Reception: Design system without dead areas within the building, the building exterior and property site.

   2. Devices & Location: Provide the following devices in the designated Front Office space.

      a. Repeater: Design to eliminate dead areas.

      b. Antenna: System designed specifically for project by an equipment manufacturer.

      c. Portable Radios: Issued to employees.

   3. Supplemental Equipment: Provide as required by system design or regional conditions.

   4. Backup Operational Power: Required for continuous system and repeater operation. See <15C>.

D. Communications - Intercom: Provide an intercom system to supplement the radio and telephone communications

   1. BP Video intercoms: Provide where possible

E. Inspection Tour Recording System:

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1. Documentation: Provide electronic date and time stamped employee patrol documentation system.
2. Inspection Tour Recording System: Provide at the Security Office / Security Control Room and include the following.
    a. Patrol Management System Software
    b. Wand Home Base
    c. Control Unit
    d. Wands: Portable
    e. Batteries: Nicad
    f. Wand Holster: Portable
3. Location Identifiers: Approximately 50 to 100 at strategic checkpoints throughout the property as established by the Safety & Security Representative.
4. Supplemental Equipment: As required by system design or regional conditions.

F. Property Safes: In order to safeguard cash and property, provide the following:

1. Safe Deposit Boxes: See <8A> for design and layout of the safe deposit box rooms. Meet the following minimum specifications:
    • 10mm thick aluminum alloy door
    • Stainless steel facia
    • Electronic key locking to allow permanent monitoring
    • Sizes to differ dependent on hotel requirement, but a mixture of medium (laptop size) and large (backpack size) size boxes
    a. Quantity: Provide one 10 box unit for every increment of 200 guestrooms.
2. Cash Drop Safes: See <8A>:
    • Cashier & Counting Room: Provide a safe. Alternatively, the safe(s) can be located in a dedicated safe room accessible from BOH corridor and / or FOH office.
    • Two compartment, Class "C" construction rated safe
    • House Safe - UL Class "B", 2-hour rated. Locate separate large floor safe in corner of Cashier's Room.

16.6 Closed-Circuit Television (CCTV) Video Surveillance System (VSS)

A. CCTV Video Surveillance System (VSS): The general purpose of the CCTV VSS is asset protection. The Safety & Security Review may also require the VSS to mitigate risks associated with crimes against persons.

1. BP Accepted Manufacturer: Equipment must be procured using only Marriott International Global Safety & Security accepted brands.

B. CCTV VSS Back-End:

1. Digital Video Recorder:

a. Resolution: 1080p minimum or higher (dependent on the camera functional requirements)

b. Frames per Second: Provide for the following camera recording activity conditions in view of the camera.
• No Activity: 1 frame per second
• Detected Activity: 15 frames per second or higher (dependent on the camera functional requirements)

c. Storage: 30 days minimum or higher (dependent on the DVR / NVR functional requirements)

d. Transfer Ability: Transfer streaming video to a media device such as DVD, CD, etc.

C. CCTV VSS Front-End:

1. CCTV Camera Specifications: Provide the following minimum requirements.
• IP Digital Color Digital Cameras: Fixed Cameras to auto iris/manual zoom 180 degree and 360 degree
• Auto Dome Systems: Pan Tilt Zoom (PTZ) / auto focus / self-contained units

• Thermal Outdoor Cameras
• Camera Dome Enclosures: Required for cameras in public locations and some Back of House locations
• Resolution: 1080p minimum or higher
• Fisheye cameras are not permitted where identification is most important, such as the main entrance.
• Wireless and Wifi based CCTV cameras are not permitted.

2. CCTV VSS Camera Locations: Maximize camera views as indicated for location and evaluate possible view obstruction such as soffits, decorative fixtures and lighting levels. The following list describes locations CCTV cameras are required, however subject to further review and assessment by

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Global Safety& Security, Security Design additional cameras and locations may be required:

a. Front of House (FOH):
   • Lobby: View lobby activity, full view of front desk / reception and identify persons entering and exiting elevators to guestroom floors and public spaces. See <2A>.
   • Front Desk: Fixed camera at rear of Front Desk wall (back wall of assisted or unassisted check-in kiosks) to identify guests and observe activity at the desk (see <2A>).
   • Public Entry Foyer: Identify persons entering and exiting (see <2A>)
   • Public / Meeting Spaces Elevator Foyers: Identify persons entering and exiting the elevator.

b. Back of House (BOH):
   • Receiving Area: View activity in Receiving Area. Provide second camera located to identify persons entering and exiting the BOH corridor onto the Receiving Area (see <9> and <10>)
   • Employee Entrance: Identify persons entering and exiting (see <8B>)
   • Computer Equipment Room: Identify persons entering and exiting (see <13A>)
   • Perimeter Doors: Identify persons entering and exiting (see <8A> and <9>)
   • Outside IT Rooms and Server / Data Center Rooms: Identify persons entering and exiting (see <8A> and <9>)
   • Inside Data Center/ Server Rooms: Monitor activity at both front and rear of racks

c. Areas with valuables & sensitive transactions:
   • Drop Safe: Identify employee cashier drop safe activity (see <8A>)
   • Cashiers Room: Identify persons inside and outside the room
   • Luggage Storage and Lost and Found Rooms: Identify persons and luggage inside and outside the rooms (see <2A>)
   • Guest Safe Deposit Boxes: Identify employees accessing guest safe deposit boxes from the safe, and to identify guest(s) which used the deposit facility (see <2A> and <8A>)
   • Point-of-Sale (POS) Workstations: Must be able to view the POS activity and workstation (see <2A> and <5>)
   • Critical Assets: Provide at other locations with valuable assets such as at ATMs, valuable artwork, and cash handling locations, (e.g., Cashier Counting room).

d. Other Areas:
   • Within all elevators, and elevator landings / lobbies (guest and service)
   • Car parks, internal roads and vehicle entry / exit points to the property

boundary and building

• Exit Stairs: Identify persons entering and exiting the perimeter exit doorways (see <7B>)

• Internal footpaths and pedestrian entry / exit points to the property boundary and building

3. CCTV Locations Not Allowed: The following are locations CCTV cameras are prohibited.
   • Pool, sauna, and / or whirlpool
   • Fitness Center or Movement Studios
   • Inside meeting rooms and ballrooms

16.7 Security Alarm Systems

A. Systems:

1. Intrusion Alarm System: The purpose of the intrusion alarm system is to provide a means to detect and alert the property safety & security representative of an unauthorized entry or use of restricted doors and / or areas.

2. Duress (Panic) Alarm System: The purpose of the duress alarm system is to provide a means for staff and guests to alert the property safety & security representative they require assistance due to either safety or security related incidents.

3. Accepted Manufacturer: Equipment must be procured using only Marriott International Global Safety & Security accepted brands.

B. Back-End:

1. Integration: Integrate the Intrusion and Duress (Panic) Alarms with CCTV VSS and building access control system to provide efficient and effective oversight of incidents. Once an alarm is triggered, the nearest CCTV camera view is shown on the wall monitor.

2. A computer based central Graphical User Interface (GUI) integration system is required if there are more than 50 sensors for intrusion alarm.

3. On-line Access Control: When using a network online access control systems, integrate with the intrusion alarm system.

4. System Control Communication Panel: Locate in the Security Office / Security Control Room. Intrusion and duress alarms when triggered are alerted to the Security Control Room or an appropriate location dependent on

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the property, (e.g., Call Center / FOH office).
• Monitor the location 24 hours by trained personnel
• Provide the alarm with an audible and visual alert in the SCR. However, no audible alert is sounded at the location of the alert incident.
• System Printer: Near Security Dispatcher and in Call Center
• Alarm Zone Module: Each contact, duress / panic and motion alarm point; required for each door alarm, duress / panic alarm and motion detector location.

5. Live & Recorded Video: Display automatically on the access control workstation when intrusion alarms are detected.

    a. Recorded Video: Bookmark with the intrusion alarm information for ease of future investigation.

6. Network: Alarm systems are hard wired; wireless is not approved.

7. Alpha Numeric Keypad: Control arming of the system by the panel located in the Security Office / Security Control Room. Provide local arming keypads for critical areas which are unmanned for lengths of time and related to the planned manning operations. Subject to direction form Marriott International Security Design, locations may include:
    • Server Room / Data Center
    • Guest Safe Deposit Box Room
    • Safe Room / Cash Drop-Safe Room
    • Cashier Counting Room

C. Front-End:

1. Devices: There are many types of alarm devices available to achieve a desired goal. The three main types employed by Marriott International are as follows:
    • Motion sensors
    • Door contact sensors
    • Duress / Panic buttons

2. Motion Sensor Locations:
    • Server / Data Center Rooms
    • Inside emergency staircases of mixed-use developments
    • Safe Deposit Box Rooms
    • Ceiling in Cashier's Office
    • Safe Room / Cash Drop-Safe Room

3. Door Contact Sensor Locations:
    • Building perimeter exterior doors
    • Human Resources
    • Critical Back-of-House doors

• Shipping / Receiving and Storage
• Liquor Storage
• Roof Access
• Safe Deposit Box Room doors
• Mixed-Use Properties: Adjoining doors between hotel and non-MI or shared areas

4. Duress / Panic Alarm: Provide at the following locations:
   • Front Desk, each Welcome Pedestal, check-out station
   • Front Office Workroom

D. Additional Locations: Some properties may require additional alarm sensor locations dependent on the review by Global Safety & Security, Security Design. These may include but not limited to:
• Access doors to emergency staircases
• Critical Mechanical, Electric & Plumbing rooms, (e.g., gas, telecom, mains power, HVAC, potable water, etc.)
• Roller shutters

16.8 R Coordination

A. R Reference: Coordinate with requirements of other Chapters
• <GR1>, <GR2>, <GR3>, <GR4>
• <1>
• <2A>, <2B>
• <3>
• <4A>, <4B>, <4C>, <4D>
• <5>
• <6>
• <7A>, <7B>, <7C>
• <8A>, <8B>
• <9>
• <10>
• <11A>, <11B>
• <12>
• <13A>, <13B>
• <14>
• <15A>
• <15B>
• <15C>

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accepted exterior sign suppliers

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americas

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700 21st Street, SW
Watertown, SD 57201-0210
800.843.9888 ext. 241
Contact: Mike Peterson
mpeterson@personasigns.com

Coast Sign, Inc. **
1500 W. Embassy Street
Anaheim, CA 92802
714.999.1904
Contact: Omeed Alemi
Direct: 949.933.5494
omeed.alemi@coastsign.com

Entera**
5900 Venture Crossings Blvd.
Panama City, FL 32409
615.712.7785
Contact: Shan Williams
shan.williams@enterabranding.com

Montreal Neon Signs**
1 Young St., # 1801
Toronto, Ontario M5E 1W7
Contact: Francois Lussier
Direct: 514.616.4533
francoisl@montrealneon.com

Cummings Signs
4255 Napier Field Road
Dothan, AL 36303
615.921.5818
Contact: Eric Chessor
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eric.chessor@cummingssigns.com

Chandler Signs
14201 Sovereign Rd.
Ft. Worth, TX 76155
214.902.2000
Contact: Mike Drury
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mdrury@chandlersigns.com

Transworld Signs
9310 Parkway Blvd
Montreal, Quebec H1J 1N7
514.352.8030, x 2130
Contact: Christophe Chambonnet - Pat Lopez
Direct: 514.686.0540 - 514.217.2845
cc@transworldsigns.com plopez@transworldsigns.com

Pattison Sign Group
555 Ellesmere Road
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866.635.1110 ext. 2398
Contact: Natasha Cornwall - Jonathan Mckercher
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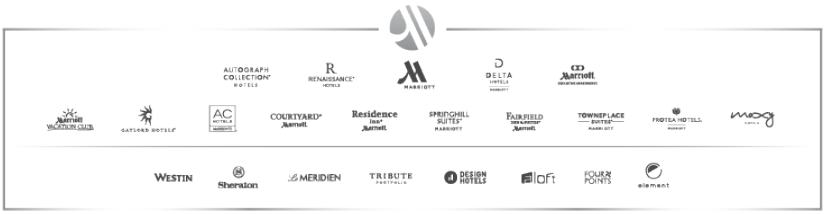
17 Patversmes Street
Riga LV-1005, Latvia (European Union)
+371 67501313
Contact: Ilja Zakmans
ali@signs.lv

****- Selected vendors for US/CAN**
Renovation Signage Refresh program for
Classic Select brands (CY, FIS, RI, SHS, TPS)



accepted interior sign suppliers | americas

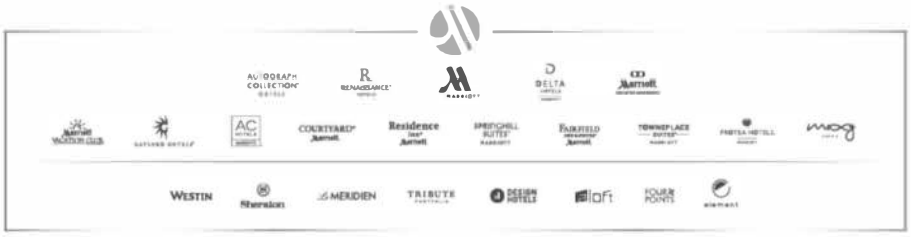
marriott international | may 2023

Hotelsigns.com
2156 Amnicola Highway
Chattanooga, TN 37406
Phone: 888.273.8726
Contact: Hank McMahon - Colin Cady
Direct: 423.698.3085
hankmcmahon@hotelsigns.com colincady@intersign.com

Identity Group
10 Burton Hills Blvd, Suite 100
Nashville, TN 37215
Phone: 316.267.4171 ext. 238
Contact: Cindy Train
cindy.train@identitygroup.com

Cornelius Signage,
a Forms+Surfaces company
4318 Bryant Rd.
Allison Park , PA 15101
Phone: 800.451.0410
Contact: Mark Cylinder
Direct: 201.248.3522
mark.cylinder@forms-surfaces.com

ADAhotelsigns.com/Spindle Company
2604 Constellation Way,
Prescott, AZ 86301
Phone: 800.742.5507
Contact: Kerri Vogel
Direct: 316.655.4537 ext. 301
kvogel@adahotelsigns.com



Classic Select

GLOBAL

exterior signage

construction signage

design recommendations

globaldesignstrategies

July 2018

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Objective

The Exterior Construction signage design recommendation manual provides the general criteria for selection and sizing of the Construction signage for Classic Select brands, otherwise referred to as Coming soon signage or Opening soon signage. This signage shall only be used temporarily during the construction of the building and needs to be removed before opening.

Alternative designs,colors and fonts shall not be used on the signage. Any requests for deviations must be coordinated with the Marriott Project manager.

The manual is a guideline for owners, franchisees, architects and contractors. It is not intended for fabrication of signs. Contact one of Marriott's accepted sign vendors and/or Marriott Global design for procurement and installation information.

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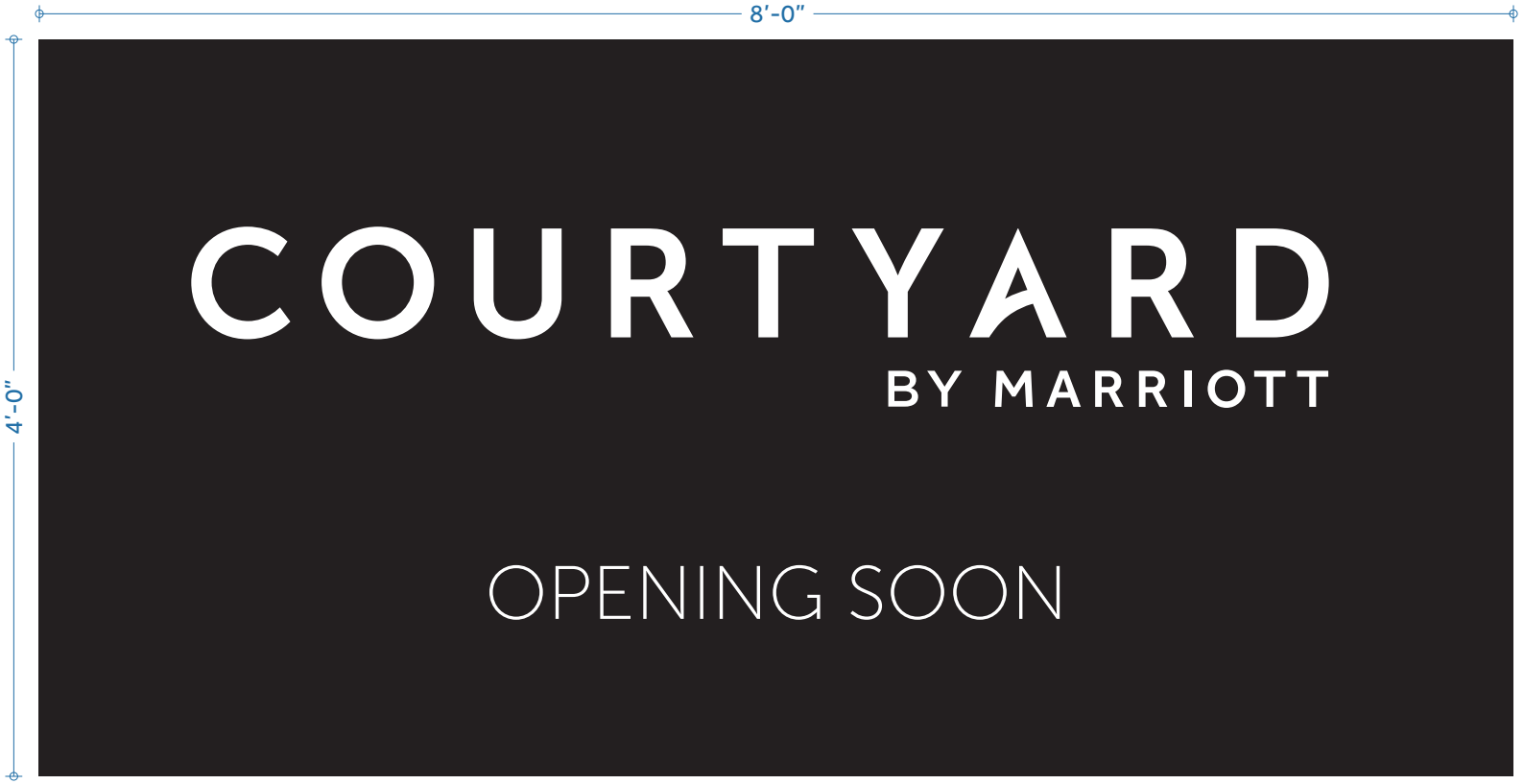
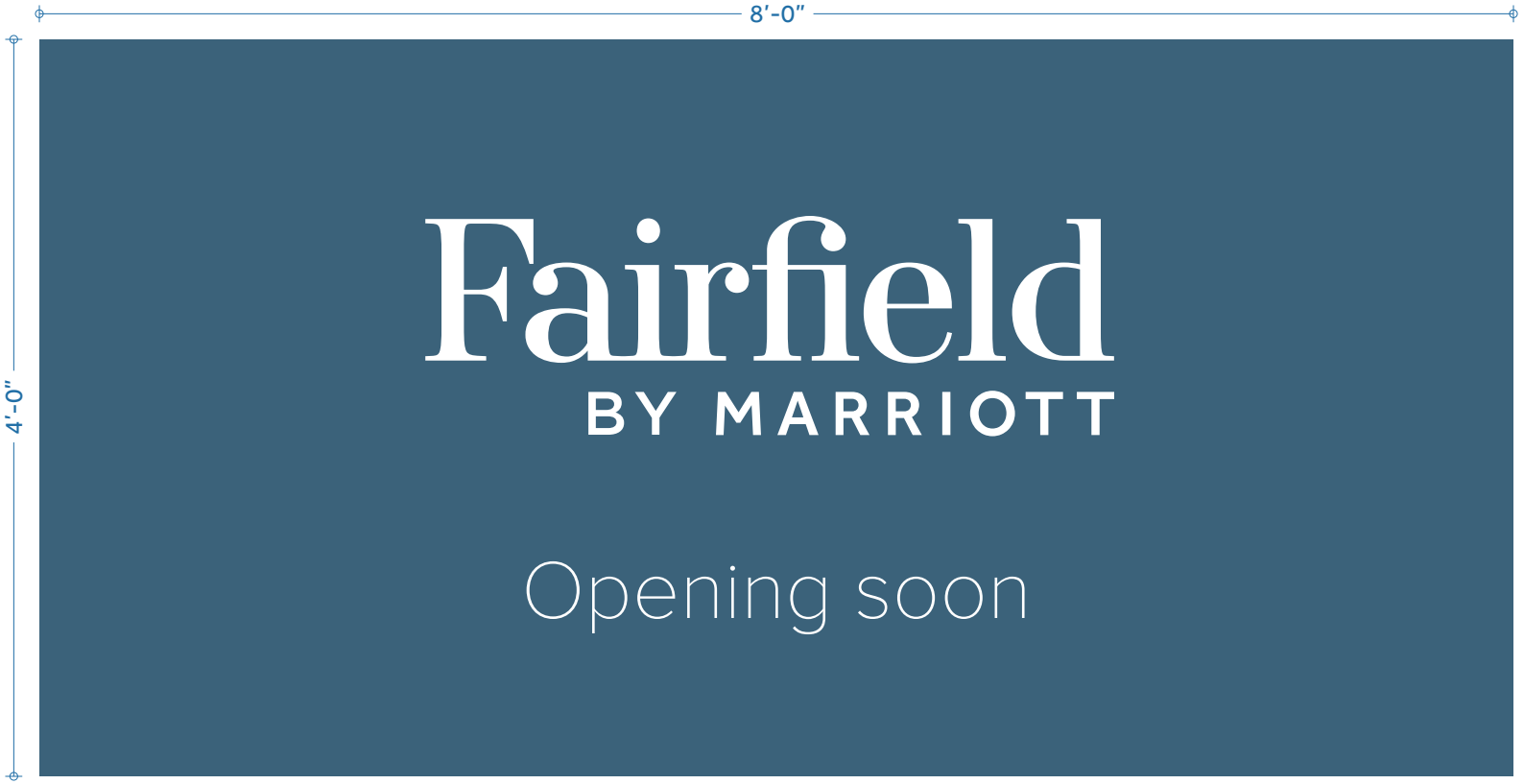


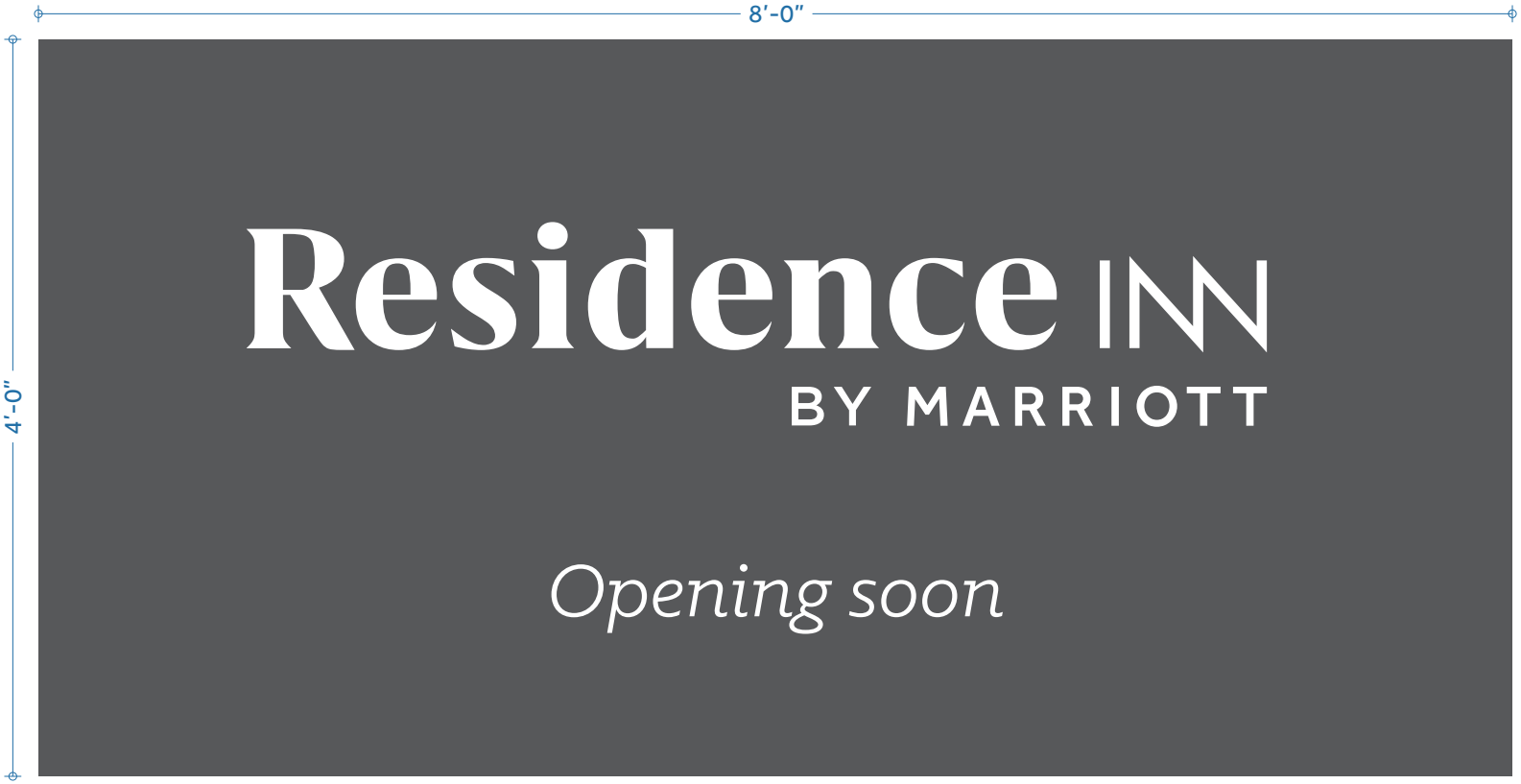
Construction Sign Recommendations:

1. Background color to be Pantone® 426 C Dark Gray.
2. Copy color to be white.
3. Informational copy to be in Museo Sans 100. Use of any other font is prohibited.
4. The "Soon" verbiage can be modified to say Month/Season and Year.



Construction Sign Recommendations:

1. Background color to be Pantone® 5405 C blue.
2. Copy color to be white.
3. Informational copy to be in Proxima Nova (thin). Use of any other font is prohibited.
4. The “Soon” verbiage can be modified to say Month/Season and Year.



Construction Sign Recommendations:

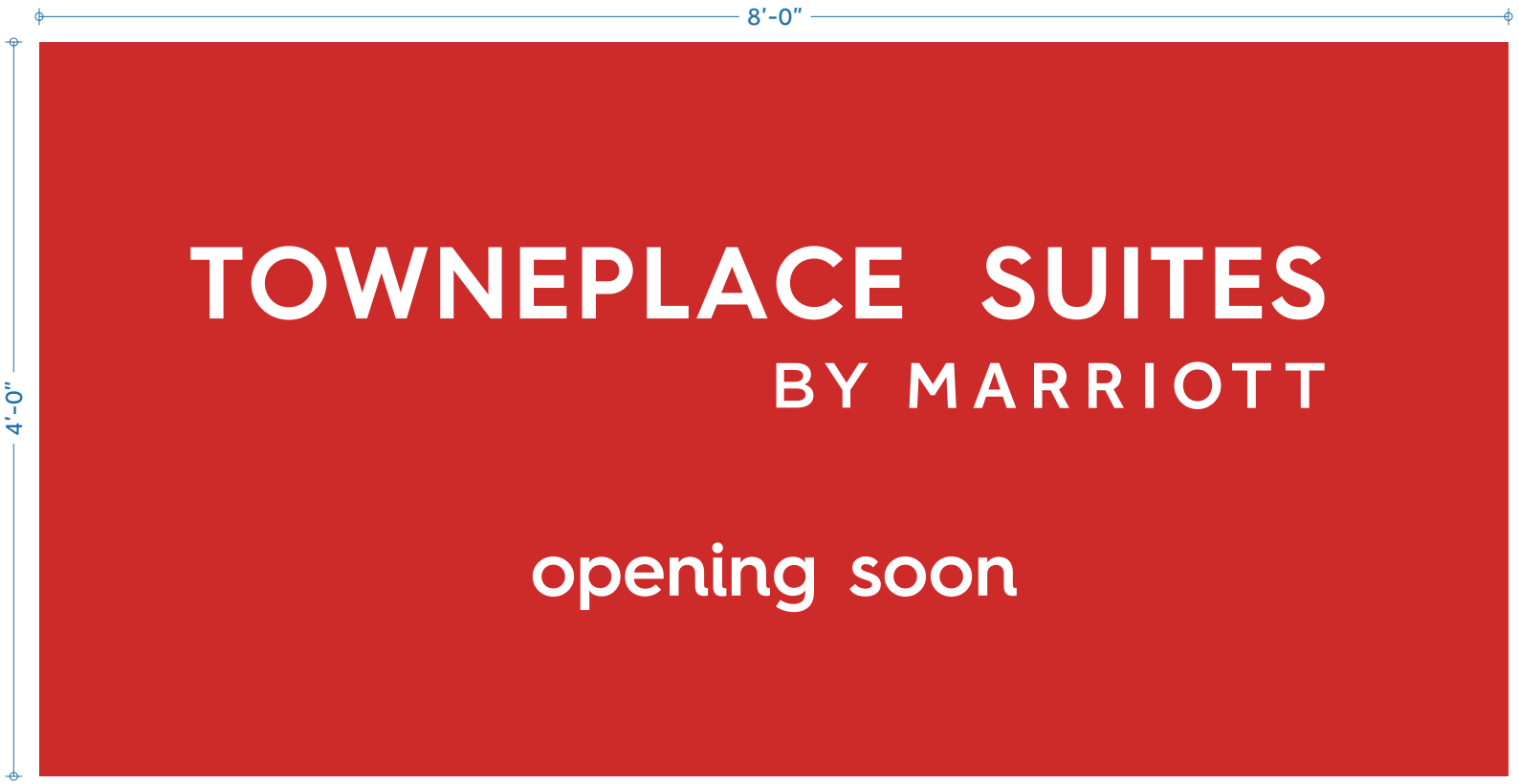
1. Background color to be Pantone® 425 C gray.
2. Copy color to be white.
3. Informational copy to be in Klinic Slab (Book Italic). Use of any other font is prohibited.
4. The “Soon” verbiage can be modified to say Month/Season and Year.

Construction Sign Recommendations:

1. Background color to be Pantone® 7545 C blue.
2. Copy color to be white.
3. Informational copy to be in Frutiger LT Std (45 Light). Use of any other font is prohibited.
4. The "Soon" verbiage can be modified to say Month/Season and Year.

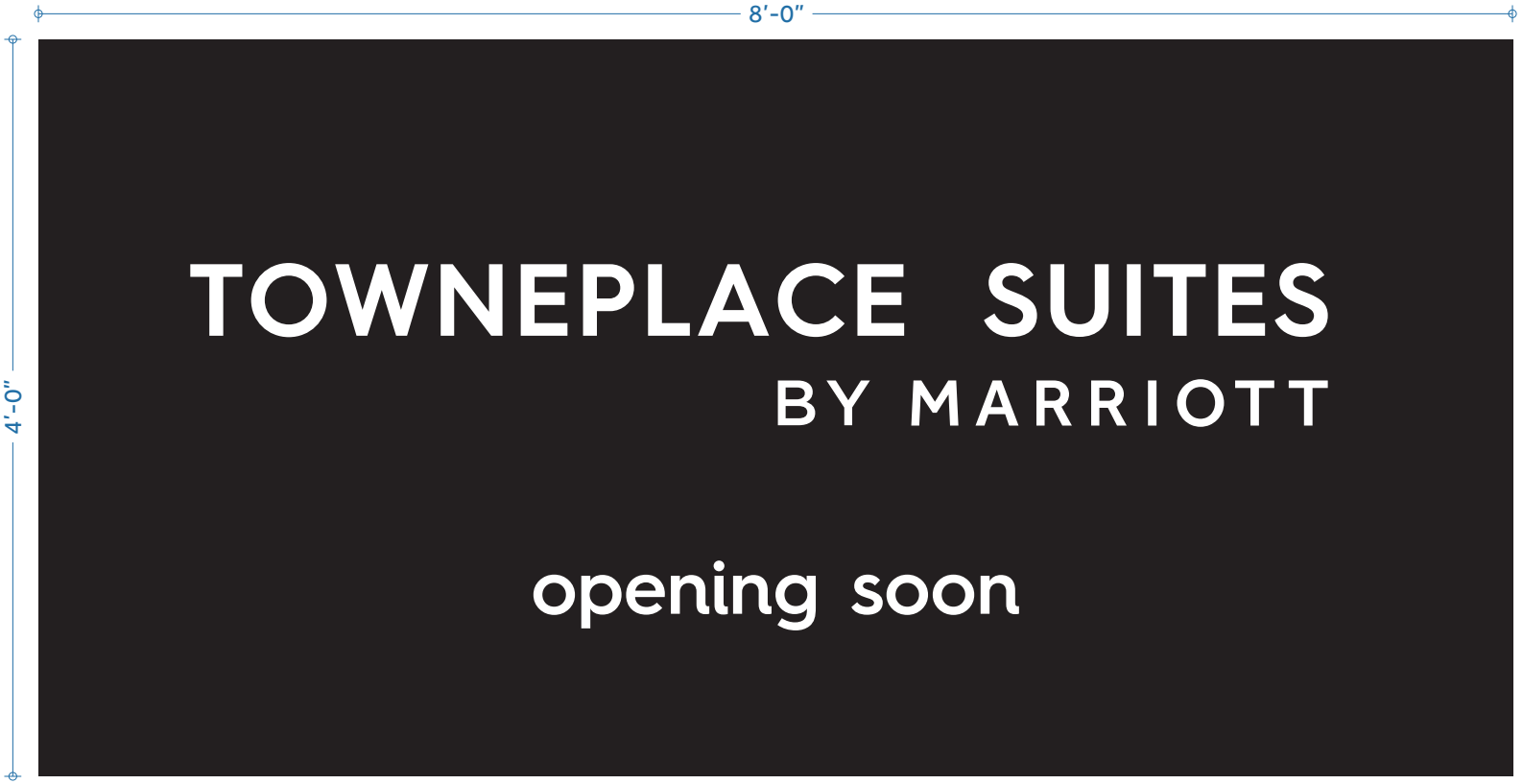
Construction Sign Recommendations:

1. Background color to be black.
2. Copy color to be white.
3. Informational copy to be in Frutiger LT Std (45 Light). Use of any other font is prohibited.
4. The "Soon" verbiage can be modified to say Month/Season and Year.



Construction Sign Recommendations:

1. Background color to be Pantone® 1797 C Red.
2. Copy color to be white.
3. Informational copy to be in Hurme Geometric Sans 4. Use of any other font is prohibited.
4. The "Soon" verbiage can be modified to say Month/Season and Year.



Construction Sign Recommendations:

1. Background color to be black.
2. Copy color to be white.
3. Informational copy to be in Hurme Geometric Sans 4. Use of any other font is prohibited.
4. The "Soon" verbiage can be modified to say Month/Season and Year.