ASL
LED SERIES
AREA/SITE/ROAD LIGHTER

Cat.#	
Job	Type

® **HUBBELL** **Outdoor Lighting**

Approvals

SPECIFICATIONS

Construction:
- Stylish vertically finned die-cast and extruded aluminum for maximum heat dissipation
- Separate optical and electrical compart-ment for improved thermal management and optimum component operation
- EPA: 8L – .50ft^2
  16L – .62 ft^2
  24L – .74 ft^2

Optics:
- Premium engineered individual acrylic lenses deliver IES Type II, III, IV and V distributions
- Lens distributions are field rotatable (in 90˚ increments) or exchangeable for job site fine-tuning
- 3000K, 4000K, or 5000K (70 CRI) CCT
- Zero uplight

Electrical:
- Configured with 8, 16, or 24 high current and high output LEDs to replace 150, 250 and 400w HID respectively
- Universal 120-277 VAC input voltage, 50/60 Hz
- Single driver, 2100mA drive current
- Ambient operating temperature -40˚ C to 40˚ C
- Drivers have greater than 90% power factor and less than 20% THD
- LED drivers have output power over-voltage, over-current protection and short circuit protection with auto recovery
- Field replaceable surge protection device provides 10KA and 10KV protection meeting ANSI/IEEE C62.41.2 Category C High and Surge Location Category C3; Automatically takes fixture off-line for protection when device is consumed

Controls:
- 0-10V dimming standard photocell, occupancy sensor and wireless available for complete on/off and dimming control
- 7-pin ANSI C136.41-2013 photocontrol receptacle option available for twist lock photocontrols or wireless control modules (control accessories sold separately)
- Dimming leads can be pulled for use with remote control devices, order as special

Installation:
- Tool-less entry to wiring/driver compartment
- Universal mounting block works with #2 drill pattern (See page 4 illustration)
- Fixture ships with slotted mounting block to accomodates wide range of drill patterns for easy retrofit opportunities (See page 4 illustration for dimensions)
- Mast arm fitter accessory or option available for 2-3/8" OD brackets

Finish:
- TGIC thermoset polyester powder paint finish applied at nominal 2.5 mil thickness

Warranty:
Five year limited warranty (for more infor-mation visit: http://www.hubbelloutdoor.com/resources/warranty/

Listings:
- DesignLights Consortium (DLC) qualified, consult DLC website for more details: http://www.designlights.org/QPL
- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40˚C ambient temperatures
- 3G rated for ANSI C136.31 high vibration applications
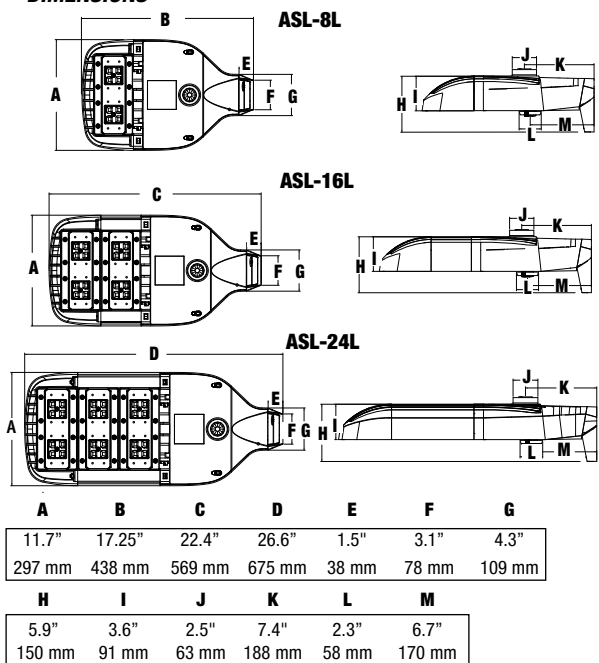- IP65 optical assembly
- IDA approved

PRODUCT IMAGE(S)

ASL-24L

ASL-16L

ASL-8L

DIMENSIONS

ASL-8L

ASL-16L

ASL-24L

A	B	C	D	E	F	G
11.7"	17.25"	22.4"	26.6"	1.5"	3.1"	4.3"
297 mm	438 mm	569 mm	675 mm	38 mm	78 mm	109 mm

H	I	J	K	L	M
5.9"	3.6"	2.5"	7.4"	2.3"	6.7"
150 mm	91 mm	63 mm	188 mm	58 mm	170 mm

SHIPPING INFORMATION

Catalog Number	G.W(kg)/CTN	Carton Dimensions		
		Length Inch (cm)	Width Inch (cm)	Height Inch (cm)
ASL-8L	15 (6.8)	20.75 (52.7)	15.125 (38.4)	6.9375 (17.6)
ASL-16L	19 (8.6)	25 (63.5)	15.125 (38.4)	6.9375 (17.6)
ASL-24L	24 (10.8)	25 (63.5)	15.125 (38.4)	6.9375 (17.6)

CERTIFICATIONS/LISTINGS

CSA ⓒ us · LED · DLC QPL LISTED™

ORDERING INFORMATION - STOCK CONFIGURATIONS

Catalog Number	Description	Distribution	Wattage	# Drivers Drive Current	Voltage	Color Temperature	Lumens	LPW	Weight lbs. (kg)
ASL-16L-3	Medium size 16 LED configuration, Dark Bronze	Type III	123	1@2100mA	120V-277V	4000K	11153	91	18 (8.16)
ASL-16L-4	Medium size 16 LED configuration, Dark Bronze	Type IV	123	1@2100mA	120V-277V	4000K	11417	93	18 (8.16)
ASL-24L-3	Large size 24 LED configuration, Dark Bronze	Type III	181	1@2100mA	120V-277V	4000K	16364	91	20 (9.07)
ASL-24L-4	Large size 24 LED configuration, Dark Bronze	Type IV	181	1@2100mA	120V-277V	4000K	16752	93	20 (9.07)

CONFIGURABLE ORDERING INFORMATION NEXT PAGE

ASLLED-SPEC 11/15

ORDERING INFORMATION

ORDERING EXAMPLE: ASL-A-24L4K-210-4-U-DB

| ASL | - | | - | | | - | 210 | - | | - | | - | | - | | |

FAMILY	MOUNTING	# LEDS	CCT	DRIVE CURRENT	DISTRIBUTION	VOLTAGE	COLOR	OPTIONS
ASL ASL Series	**A** Arm **MAF** Mast Arm Fitter	**8L** 8 High brightness LEDs **16L** 16 High brightness LEDs **24L** 24 High brightness LEDs	**3K** 3000K, 70 CRI **4K** 4000K, 70 CRI **5K** 5000K, 70 CRI	**210** 2100mA	**2** IES TYPE II **3** IES TYPE III **4** IES TYPE IV **5** IES TYPE V	**U** Universal **1** 120 **2** 208 **3** 240 **4** 277	**BL** Black **DB** Dark Bronze **GR** Gray **PS** Platinum Silver **WH** White **CC**[1] Custom Color	**F** Fusing (voltage specified and determined by voltage field) **7PR**[2] 7-pin ANSI twist-lock photocell receptacle **RPA(X)** Round pole adapter (Replace X with 3, 4, 5 or 6 indicating pole diameter) **SCPW** Programmable motion sensor with dimming control (line voltage device not for use with 7PR receptacle option and external wireless control devices); A minimum of one SCP-REMOTE accessory remote control required for configuration; Wide lens with motion detection radius equal to 1.3 X luminaire mounting height (approx. distance) **TB** Terminal block

1 – Contact factory for minimum order quantities
2 – 7-pin ANSI C136.41—2013 receptacle for use with standard Twist-Lock® photo controls, shorting caps, and ANSI C136.41 external wireless control devices with and without motion/occupancy override

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ACCESSORIES - Order Separately

Catalog Number	Description
ASL-MAF	Mast arm kit with wildlife shield for mounting on 2 3/8" OD arms
RATA-XX[1]	Single round arm tenon fits 2 3/8" OD, requires ASL-MAF accessory kit for stocked configurations
SCP-REMOTE	Remote control for SCPW option. Order at least one per project to program and control
CR-RPA(X)-XX[1]	Round pole adapters are available for 3, 4, 5, and 6 inch diameter round poles. Requires universal mounting block option.
WB-CR-XX[1]	Wall bracket. Requires universal mounting block option.
PTL-1	Photocontrol - twist-lock cell (120V) - Requires 7PR option
PTL-8	Photocontrol - twist-lock cell (120-277V) - Requires 7PR option
PSC	Shorting cap - twist-lock - Requires 7PR option

1 - Replace XX with color choice, eg.: DB for Dark Bronze

ASL-MAF

RATA

ASL-MAF INSTALLED

CR-RPA(X)

WB-CR-XX

PERFORMANCE DATA
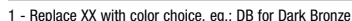
# OF LEDS	DRIVE CURRENT	SYSTEM WATTS	DIST. TYPE	5K (5000K nominal, 70 CRI)					4K (4000K nominal, 70 CRI)					3K (3000K nominal, 80 CRI)				
				LUMENS	LPW[1]	B	U	G	LUMENS	LPW[1]	B	U	G	LUMENS	LPW[1]	B	U	G
8	2100	62	2	6304	102	1	0	1	5775	93	1	0	1	5068	82	1	0	1
			3	6139	99	1	0	1	5624	91	1	0	1	4935	80	1	0	1
			4	6285	101	1	0	1	5757	93	1	0	1	5149	83	1	0	1
			5	6194	100	3	0	1	5674	92	3	0	1	4979	80	3	0	1
16		123	2	12502	102	2	0	2	11453	93	2	0	2	10441	85	2	0	2
			3	12175	99	2	0	2	11153	91	2	0	2	10168	83	2	0	2
			4	12463	101	2	0	2	11417	93	2	0	2	10409	85	2	0	2
			5	12283	100	4	0	2	11253	91	4	0	2	10259	83	4	0	2
24		181	2	18343	101	3	0	3	16804	93	3	0	3	15437	85	3	0	3
			3	17863	99	3	0	3	16364	90	3	0	3	15033	83	3	0	3
			4	18287	101	2	0	2	16752	93	2	0	2	15389	85	2	0	2
			5	18022	100	4	0	2	16510	91	4	0	2	15167	84	4	0	2

1 - Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.

ELECTRICAL DATA

# OF LEDS	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	SYSTEM POWER (w)	CURRENT (Amps)
8		120	62	0.52
		208	62	0.30
		240	62	0.26
		277	62	0.22
16	1@(2100mA)	120	123	1.03
		208	123	0.60
		240	123	0.52
		277	123	0.45
24		120	181	1.49
		208	181	0.86
		240	181	0.74
		277	181	0.64

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

AMBIENT TEMPERATURE		LUMEN MULTIPLIER
0˚ C	32˚ F	1.06
10˚ C	50˚ F	1.03
20˚ C	68˚ F	1.01
25˚ C	77˚ F	1.00
30˚ C	86˚ F	0.99
40˚ C	104˚ F	0.97
50˚ C	122˚ F	0.94

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

PROJECTED LUMEN MAINTENANCE

Ambient Temp.	OPERATING HOURS					L70 (hours)
	0	25,000	TM-21-11[1] L90 36,000	50,000	100,000	
25°C / 77°F	1.00	0.93	0.90	0.86	0.75	>125,000
40°C / 104°F	0.99	0.90	0.86	0.81	0.67	>88,000

1. Projected per IESNA TM-21-11 (* Cree XP-L, 2100mA, 105°C Ts, 6,000hrs)
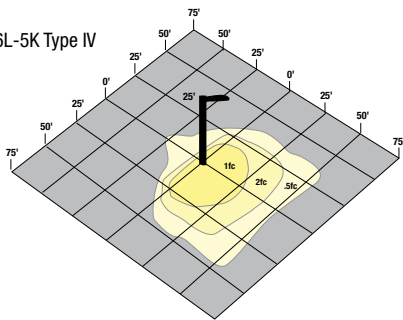
PHOTOMETRICS For additional photometric information and IES downloads, visit our web site at www.hubbelloutdoor.com
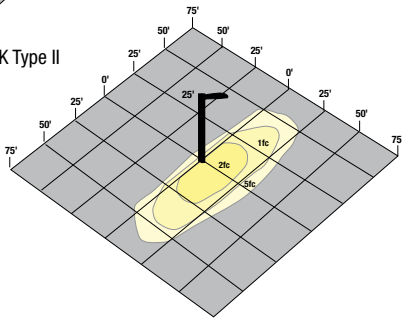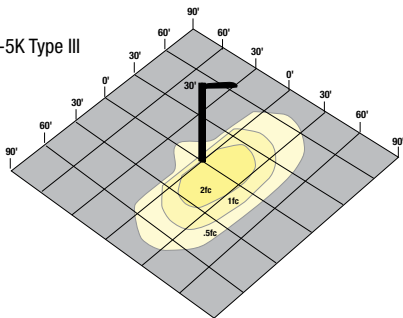
ASL-8L-5K Type V
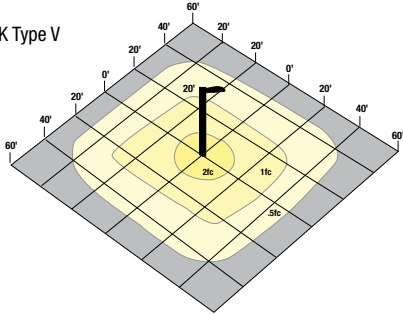
ASL-16L-5K Type IV

ASL-16L-5K Type II
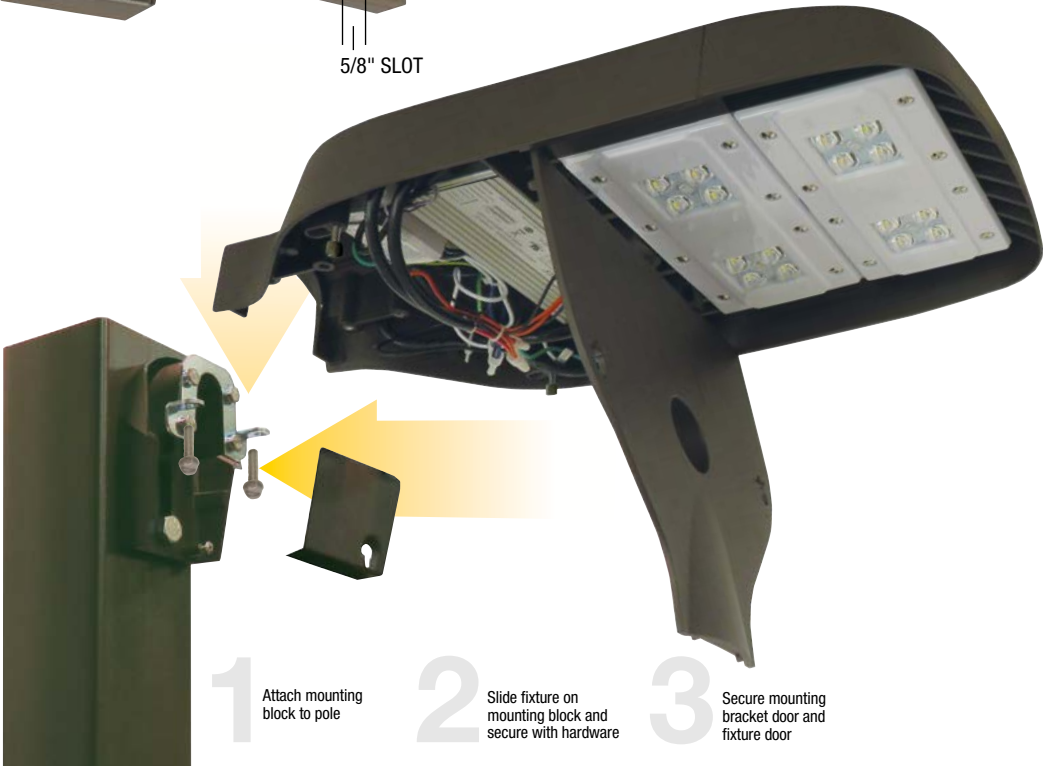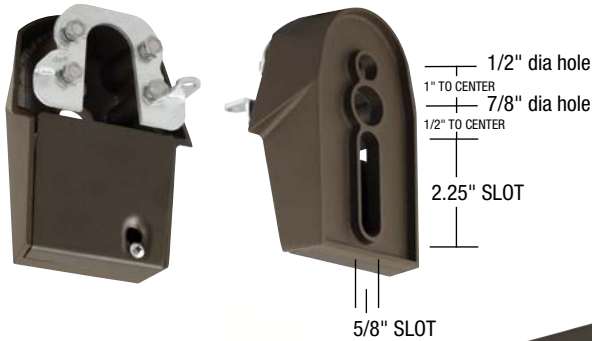
ASL-24L-5K Type III

MOUNTING BLOCK

Fixture ships with universal mounting block for ease of installation. Compatible with #2 drill pattern.

1/2" dia hole
1" TO CENTER
7/8" dia hole
1/2" TO CENTER
2.25" SLOT
5/8" SLOT

1 Attach mounting block to pole

2 Slide fixture on mounting block and secure with hardware

3 Secure mounting bracket door and fixture door

Wall Director

Small Housing Scale - WD2S
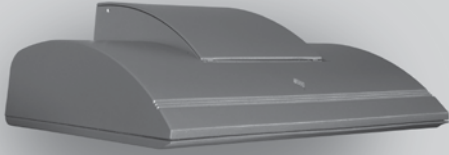
FEATURES

- -5° to +10° tilt adjustment
- High performance optics deliver up to 8,500 lumens
- Sleek architectural form factor
- Diffused lens option
- Programmable occupancy sensor (dimming)
- NX and SiteSync wireless controls
- 130+ lumens per watt
- IES and flood distributions available
- Optional inverted/up mounting

Downlight only, 3000K and warmer CCTs

ORDERING INFORMATION (Example)

WDS	D	24L	30	3K7	3	120	GT
FIXTURE	**MOUNTING**	**SOURCE**	**WATTAGE**	**LIGHT ENGINE**	**DISTRIBUTION**	**VOLTAGE**	**FINISH**
WDS Wall Director Small	**D** Down **U**[1] Up	**24L** 24 LEDs	**30** 30 Watts **40** 40 Watts **60** 60 Watts **75** 75 Watts	**3K7** 3000K/70CRI **3K8** 3000K/80CRI **4K7** 4000K/70CRI **4K8** 4000K/80CRI **5K7** 5000K/70CRI	**1** Type I **2** Type II **3** Type III **4W** Type IV Wide **4F** Type IV Forward **SP** Spot/Column **WG**[2] Wall Graze **FTD**[2] Front Throw Diffused **WTD**[2] Wide Throw Diffused	**UNV** 120-277V **347**[3] 347V **480**[3] 480V	**BL** Black **DB** Dark Bronze **LG** Light Gray **GT** Graphite **PS** Platinum Silver **TT** Titanium **WH** White **CC** Custom Color

PC	EM	SWUSB
CONTROL OPTIONS	**OPTIONS**	**ACCESSORIES**
PC Button Photocell **SCP-8F** Programmable Occ. Sensor (<9' height) **SCP-20F** Programmable Occ. Sensor (9' - 20' height) **SWP**[3] SiteSync Wireless Pre-Commission **SWPM**[3] SiteSync Wireless w/Occupancy Sensor Pre-Commission **NXWE**[5] NX Wireless Enabled	**EM**[4] Integral Emergency Battery Backup **SF** Single Fuse & Fuse holder **DF** Double Fuse & Fuse holder	**SCPREMOTE** SCP configuration tool **SWUSB** SiteSync Software on USB **SWTAB** SiteSync Windows® Tablet **SWBRG** SiteSync Software Bridge Node

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[1] Not available with EM option or with SCP & SWPM sensor options
[2] WG, FTD, and WTD come with a diffused lens.
[3] 60 and 75 watt versions only
[4] Universal voltage only (120-277), not available with PC option
[5] 120-347V only

13.0" (330 mm)
8.6" (218 mm)

Above / Below
(Depending on mounting)

13.0" (330 mm)
4.3" (330 mm)

Front

4.3" (330 mm)
6.2" (157 mm)

Backside

8.9" (226 mm)

Side

KIM LIGHTING