

Ron Cowger

From: Jeff Johnson <jjohnson@premierlight.com>
Sent: Friday, February 26, 2021 3:48 PM
To: Ron Cowger
Cc: Gregg Garner
Subject: RE: Oakview Lot 4 (Lee's Summit)
Attachments: lithonia-rsx1-area-led.pdf; RSX1 LED P4 40K R3.pdf; RSX1 LED P4 40K R4.pdf; wdge3-led.pdf; WDGE3 LED P1 70CRI R3 40K.pdf; WDGE3 LED P1 70CRI R3 40K.pdf

Ron,

Here are the spec sheets you requested. I've marked the up with the model #'s and each one has a page that has the B.U.G. Ratings listed as well. Both have 0 (zero) Up-light, full 90 degree cutoff. I've also include pages with the photometrics in case you want to include those as well.

Regards,
Jeff Johnson
913-541-8239
www.premierlight.com



From: Ron Cowger <rcowger@agcengineers.com>
Sent: Friday, February 26, 2021 9:38 AM
To: Gregg Garner <ggarner@premierlight.com>
Cc: Jeff Johnson <jjohnson@premierlight.com>; Adam Alsup <aalsup@agcengineers.com>
Subject: Oakview Lot 4 (Lee's Summit)

Gregg/Jeff
Can you help us out with the City's comment?

7. LIGHTING. Provide cut-sheets for all proposed exterior lighting fixtures for review and approval. All exterior light fixtures shall have full 90-degree cut-offs in order to direct light down and so the light source is not visible from off the property.

X Gregg/Jeff xxx

Thanks
Ron

Ronald L. Cowger, PE
AGC Engineers, Inc.
405 South Leonard Street, Suite D
Liberty, Missouri 64068

816-781-4200

rcowger@agcengineers.com



RSX1 LED Area Luminaire

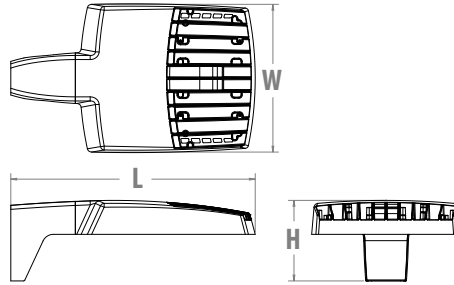


Catalog Number
Notes
Type

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

EPA (ft²@0°):	0.57 ft² (0.05 m²)
Length:	21.8" (55.4 cm) (SPA mount)
Width:	13.3" (33.8 cm)
Height:	3.0" (7.6 cm) Main Body 7.2" (18.4 cm) Arm
Weight: (SPA mount):	22.0 lbs (10.0 kg)



Introduction

The new RSX LED Area family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSX1 delivers 7,000 to 17,000 lumens allowing it to replace 70W to 400W HID luminaires.

The RSX features an integral universal mounting mechanism that allows the luminaire to be mounted on most existing drill hole patterns. This "no-drill" solution provides significant labor savings. An easy-access door on the bottom of mounting arm allows for wiring without opening the electrical compartment. A mast arm adaptor, adjustable integral slipfitter and other mounting configurations are available.

Ordering Information

EXAMPLE: RSX1 LED P4 40K R3 MVOLT SPA DDBXD

Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting
RSX1 LED	P1 P2 P3 P4	30K 3000K 40K 4000K 50K 5000K	R2 Type 2 Wide R3 Type 3 Wide R3S Type 3 Short R4 Type 4 Wide R4S Type 4 Short R5 Type 5 Wide ¹ R5S Type 5 Short ¹ AFR Automotive Front Row AFRR90 Automotive Front Row Right Rotated AFRL90 Automotive Front Row Left Rotated	MVOLT (120V-277V) ² HVOLT (347V-480V) ³ XVOLT (277V-480V) ⁴ (use specific voltage for options as noted) 120 ³ 277 ⁵ 208 ³ 347 ⁵ 240 ³ 480 ⁵	SPA Square pole mounting (3.0" min. SQ pole for 1 at 90°, 3.5" min. SQ pole for 2, 3, 4 at 90°) RPA Round pole mounting (3.2" min. dia. RND pole for 2, 3, 4 at 90°, 3.0" min. dia. RND pole for 1 at 90°, 2 at 180°, 3 at 120°) MA Mast arm adaptor (fits 2-3/8" OD horizontal tenon) IS Adjustable slipfitter (fits 2-3/8" OD tenon) ⁶ WBA Wall bracket ¹ WBASC Wall bracket with surface conduit box AASP Adjustable tilt arm square pole mounting ⁶ AARP Adjustable tilt arm round pole mounting ⁶ AAWB Adjustable tilt arm with wall bracket ⁶ AAWSC Adjustable tilt arm wall bracket and surface conduit box ⁶

Options	Finish
Shipped Installed HS House-side shield ⁷ PE Photocontrol, button style ^{8,9} PEX Photocontrol external threaded, adjustable ^{9,10} PER7 Seven-wire twist-lock receptacle only (no controls) ^{9,11,12,13} CE34 Conduit entry 3/4" NPT (Qty 2) SF Single fuse (120, 277, 347) ⁵ DF Double fuse (208, 240, 480) ⁵ SPD20KV 20KV Surge pack (10KV standard) FAO Field adjustable output ^{9,13} DMG 0-10V dimming extend out back of housing for external control (control ordered separate) ^{9,13}	Shipped Installed *Standalone and Networked Sensors/Controls (factory default settings, see table page 9) NLTAIR2 nLight AIR generation 2 ^{13,14,15} PIRHN Networked, Bi-Level motion/ambient sensor (for use with NLTAIR2) ^{13,15,16} *Note: PIRHN with nLight Air can be used as a standalone or networked solution. Sensor coverage pattern is affected when luminaire is tilted. Shipped Separately (requires some field assembly) EGS External glare shield ⁷ EGFV External glare full visor (360° around light aperture) ⁷ BS Bird spikes ¹⁷
	DDBXD Dark Bronze DBLXD Black DNAXD Natural Aluminum DWHXD White DDBTXD Textured Dark Bronze DBLBXD Textured Black DNATXD Textured Natural Aluminum DWHGXD Textured White



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Lithonia RSX1 Area LED
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Ordering Information

Accessories

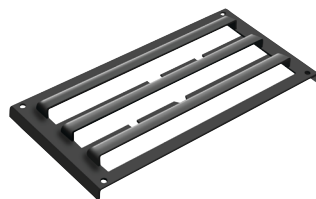
Ordered and shipped separately.

RSX1HS	RSX1 House side shield (includes 1 shield)
RSX1HSAFRR U	RSX1 House side shield for AFR rotated optics (includes 1 shield)
RSX1EGS (FINISH) U	External glare shield (specify finish)
RSX1EGFV (FINISH) U	External glare full visor (specify finish)
RSXRPA (FINISH) U	RSX Universal round pole adaptor plate (specify finish)
RSXWBA (FINISH) U	RSX WBA wall bracket (specify finish) ¹
RSXSCB (FINISH) U	RSX Surface conduit box (specify finish, for use with WBA, WBA not included)
DLL127F 1.5 JU	Photocell -SSL twist-lock (120-277V) ¹⁸
DLL347F 1.5 CUL JU	Photocell -SSL twist-lock (347V) ¹⁸
DLL480F 1.5 CUL JU	Photocell -SSL twist-lock (480V) ¹⁸
DSHORT SBK U	Shorting cap ¹⁸

NOTES

- Any Type 5 distribution, is not available with WBA.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
- XVOLT driver not available with P1 or P2. XVOLT driver operates on any line voltage from 277V-480V (50/60 Hz). XVOLT not available with fusing (SF or DF) and not available with PE or PEX.
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Maximum tilt is 90° above horizontal.
- It may be ordered as an accessory.
- Requires MVOLT or 347V.
- Not available in combination with other light sensing control options (following options cannot be combined: PE, PEX, PER7, FAO, DMG, PIRHN).
- Requires 120V, 208V, 240V or 277V.
- Twistlock photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included. Dimming leads capped for future use.
- For units with option PER7, the mounting must be restricted to +/- 45° from horizontal aim per ANSI C136.10-2010.
- Two or more of the following options cannot be combined including DMG, PER7, FAO and PIRHN.
- Must be ordered with PIRHN.
- Requires MVOLT or HVOLT.
- Must be ordered with NLTAR2. For additional information on PIRHN visit [here](#).
- Must be ordered with fixture for factory pre-drilling.
- Requires luminaire to be specified with PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.

External Shields



House Side Shield



External Glare Shield

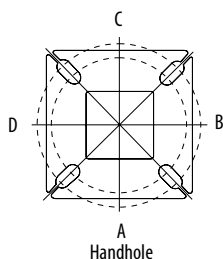


External 360 Full Visor

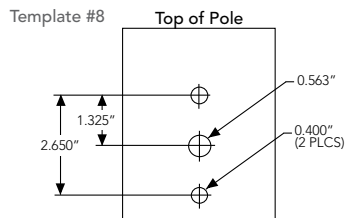
Pole/Mounting Information

Accessories including bullhorns, cross arms and other adapters are available under the accessories tab at Lithonia's Outdoor Poles and Arms product page. Click here to visit [Accessories](#).

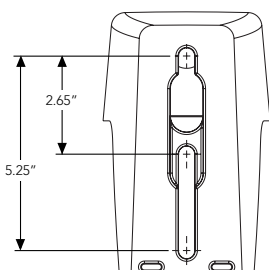
HANDHOLE ORIENTATION



RSX POLE DRILLING



RSX STANDARD ARM & ADJUSTABLE ARM



Round Tenon Mount - Pole Top Slipfitters

Tenon O.D.	RSX Mounting	Single	2 @ 180°	2 @ 90°	3 @ 120°	3 @ 90°	4 @ 90°
2 - 3/8"	RPA, AARP	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 320	AS3-5 390	AS3-5 490
2 - 7/8"	RPA, AARP	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	RPA, AARP	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

Drill/Side Location by Configuration Type

Drilling Template	Mounting Option	Single	2 @ 180	2 @ 90	3 @ 120	3 @ 90	4 @ 90
	Head Location	Side B	Side B & D	Side B & C	Round Pole Only	Side B, C & D	Side A, B, C & D
#8	Drill Nomenclature	DM19AS	DM28AS	DM29AS	DM32AS	DM39AS	DM49AS

RSX1 - Luminaire EPA

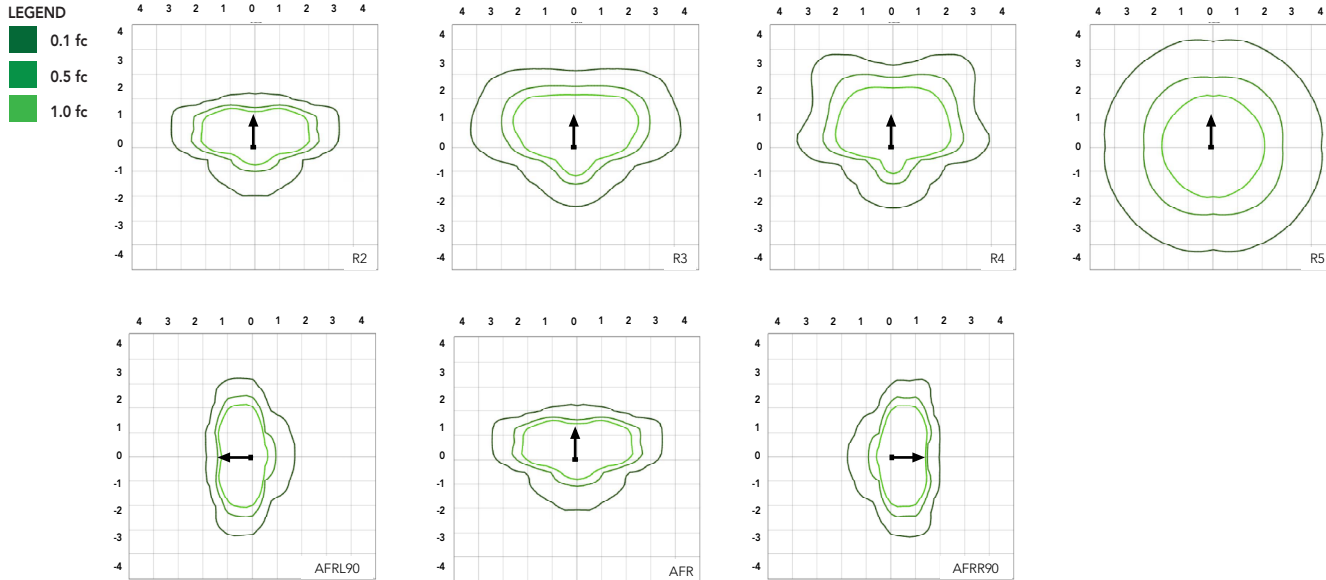
*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration	Single	2 @ 90	2 @ 180	3 @ 90	3 @ 120	4 @ 90	2 Side by Side	3 Side by Side	4 Side by Side
Mounting Type	Tilt								
SPA - Square Pole Adaptor	0°	0.57	1.03	1.05	1.52	1.36	2.03	1.31	2.26
RPA - Round Pole Adaptor		0.62	1.08	1.15	1.62	1.46	2.13	1.36	2.36
MA - Mast Arm Adaptor		0.49	0.95	0.89	1.36	1.2	1.87	1.23	2.1
IS - Integral Slipfitter AASP/AARP - Adjustable Arm Square/Round Pole	0°	0.57	1.03	1.05	1.52	1.36	2.03	1.31	2.26
	10°	0.68	1.34	1.33	2	1.74	2.64	1.35	2.71
	20°	0.87	1.71	1.73	2.56	2.26	3.42	1.75	3.49
	30°	1.24	2.19	2.3	3.21	2.87	4.36	2.49	4.97
	40°	1.81	2.68	2.98	3.85	3.68	5.30	3.62	7.24
	45°	2.11	2.92	3.44	4.2	4.08	5.77	4.22	8.44
	50°	2.31	3.17	3.72	4.52	4.44	6.26	4.62	9.25
	60°	2.71	3.66	4.38	5.21	5.15	7.24	5.43	10.86
	70°	2.78	3.98	4.54	5.67	5.47	7.91	5.52	11.03
	80°	2.76	4.18	4.62	5.97	5.76	8.31	5.51	11.03
	90°	2.73	4.25	4.64	6.11	5.91	8.47	5.45	10.97

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [RSX Area homepage](#).

Isofootcandle plots for the RSX1 LED P4 40K. Distances are in units of mounting height (20').



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.05
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97
45°C	113°F	0.96
50°C	122°F	0.95

Electrical Load

Performance Package	System Watts (W)	Current (A)					
		120V	208V	240V	277V	347V	480V
P1	51W	0.42	0.25	0.21	0.19	0.14	0.11
P2	72W	0.60	0.35	0.30	0.26	0.21	0.15
P3	109W	0.91	0.52	0.45	0.39	0.31	0.23
P4	133W	1.11	0.64	0.55	0.48	0.38	0.27

Projected LED Lumen Maintenance

Operating Hours	50,000	75,000	100,000
Lumen Maintenance Factor	>0.97	>0.95	>0.92

Values calculated according to IESNA TM-21-11 methodology and valid up to 40°C.



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Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

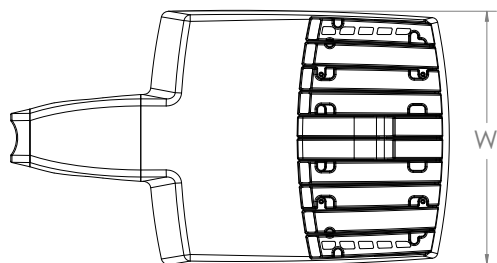
Performance Package	System Watts	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	51W	R2	6,482	1	0	1	126	7,121	1	0	1	139	7,121	1	0	1	139
		R3	6,459	1	0	2	127	7,096	1	0	2	139	7,096	1	0	2	139
		R3S	6,631	1	0	1	129	7,286	1	0	2	142	7,286	1	0	2	142
		R4	6,543	1	0	2	128	7,189	1	0	2	141	7,189	1	0	2	141
		R4S	6,313	1	0	1	124	6,936	1	0	1	136	6,936	1	0	1	136
		R5	6,631	3	0	2	130	7,286	3	0	2	143	7,286	3	0	2	143
		R5S	6,807	3	0	1	133	7,479	3	0	1	147	7,479	3	0	1	147
		AFR	6,473	1	0	1	127	7,112	1	0	1	139	7,112	1	0	1	139
		AFRR90	6,535	2	0	2	127	7,179	2	0	2	140	7,179	2	0	2	140
		AFRL90	6,562	2	0	1	128	7,210	2	0	2	140	7,210	2	0	2	140
P2	72W	R2	8,991	2	0	1	123	9,878	2	0	1	135	9,878	2	0	1	135
		R3	8,959	2	0	2	124	9,843	2	0	2	137	9,843	2	0	2	137
		R3S	9,198	2	0	2	126	10,106	2	0	2	139	10,106	2	0	2	139
		R4	9,077	2	0	2	126	9,972	2	0	2	139	9,972	2	0	2	139
		R4S	8,757	1	0	2	122	9,622	2	0	2	134	9,622	2	0	2	134
		R5	9,198	4	0	2	128	10,106	4	0	2	140	10,106	4	0	2	140
		R5S	9,443	3	0	1	131	10,374	3	0	1	144	10,374	3	0	1	144
		AFR	8,979	2	0	1	125	9,865	2	0	1	137	9,865	2	0	1	137
		AFRR90	9,064	3	0	2	124	9,959	3	0	2	137	9,959	3	0	2	137
		AFRL90	9,102	3	0	2	125	10,001	3	0	2	137	10,001	3	0	2	137
P3	109W	R2	12,808	2	0	1	117	14,072	2	0	2	129	14,072	2	0	2	129
		R3	12,763	2	0	2	117	14,023	2	0	2	129	14,023	2	0	2	129
		R3S	13,104	2	0	2	120	14,397	2	0	2	132	14,397	2	0	2	132
		R4	12,930	2	0	2	119	14,206	2	0	2	130	14,206	2	0	2	130
		R4S	12,475	2	0	2	114	13,707	2	0	2	126	13,707	2	0	2	126
		R5	13,104	4	0	2	120	14,397	4	0	2	132	14,397	4	0	2	132
		R5S	13,452	3	0	2	123	14,779	3	0	2	136	14,779	3	0	2	136
		AFR	12,791	2	0	1	117	14,053	2	0	2	129	14,053	2	0	2	129
		AFRR90	12,913	3	0	3	118	14,187	3	0	3	130	14,187	3	0	3	130
		AFRL90	12,967	3	0	2	118	14,247	3	0	3	130	14,247	3	0	3	130
P4	133W	R2	14,943	2	0	2	112	16,417	2	0	2	123	16,417	2	0	2	123
		R3	14,890	2	0	3	112	16,360	2	0	3	123	16,360	2	0	3	123
		R3S	15,287	2	0	2	115	16,796	2	0	2	126	16,796	2	0	2	126
		R4	15,085	2	0	3	113	16,574	2	0	3	125	16,574	2	0	3	125
		R4S	14,554	2	0	2	109	15,991	2	0	2	120	15,991	2	0	2	120
		R5	15,287	4	0	2	115	16,796	4	0	2	126	16,796	4	0	2	126
		R5S	15,693	4	0	2	118	17,242	4	0	2	130	17,242	4	0	2	130
		AFR	14,923	2	0	2	112	16,395	2	0	2	123	16,395	2	0	2	123
		AFRR90	15,065	3	0	3	113	16,551	3	0	3	124	16,551	3	0	3	124
		AFRL90	15,128	3	0	3	114	16,621	3	0	3	125	16,621	3	0	3	125

Dimensions & Weights

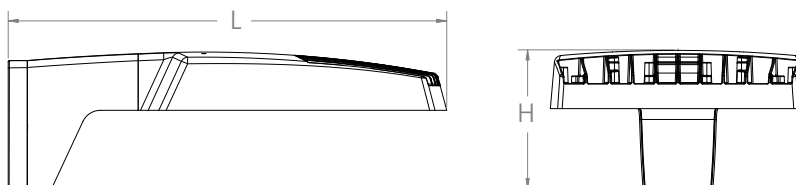
Luminaire Weight by Mounting Type

Mounting Configuration	Total Luminaire Weight
SPA	22 lbs
RPA	24 lbs
MA	22 lbs
WBA	25 lbs
WBASC	28 lbs
IS	25 lbs
AASP	25 lbs
AARP	27 lbs
AAWB	28 lbs
AAWSC	31 lbs

RSX1 with Round Pole Adapter (RPA)



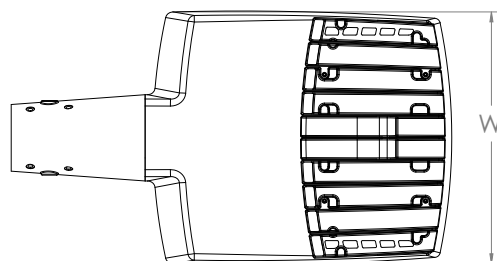
Length: 22.8" (57.9 cm)
 Width: 13.3" (33.8 cm)
 Height: 3.0" (7.6 cm) Main Body
 7.2" (18.4 cm) Arm



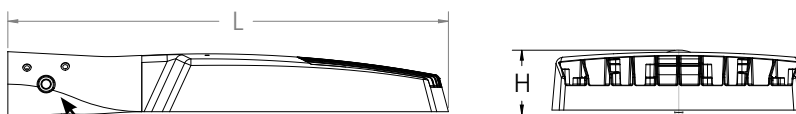
Note: RPA — Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.



RSX1 with Mast Arm Adapter (MA)

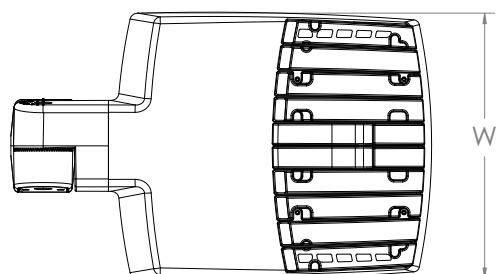


Length: 23.2" (59.1 cm)
 Width: 13.3" (33.8 cm)
 Height: 3.0" (7.6 cm) Main Body
 3.5" (8.9 cm) Arm

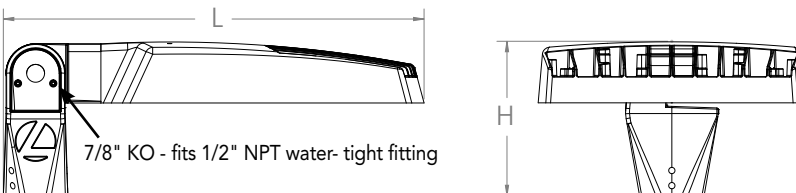


7/16" locking thru bolt/nut provided

RSX1 with Adjustable Slipfitter (IS)



Length: 20.7" (52.7 cm)
 Width: 13.3" (33.8 cm)
 Height: 3.0" (7.6 cm) Main Body
 7.6" (19.3 cm) Arm



7/8" KO - fits 1/2" NPT water-tight fitting



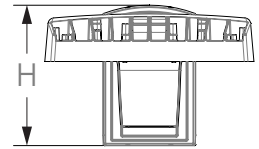
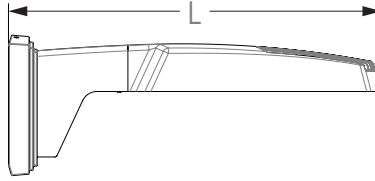
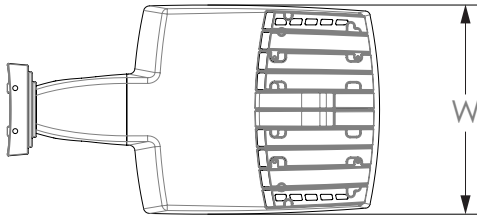
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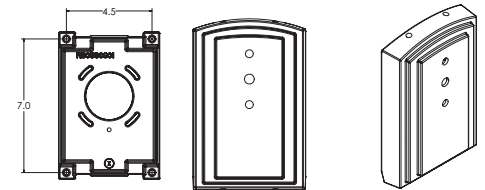
Dimensions

RSX1 with Wall Bracket (WBA)

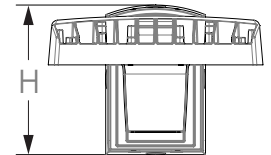
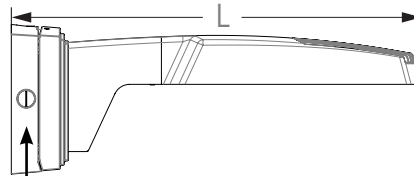
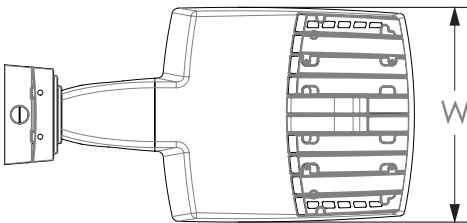


Length: 23.6" (59.9 cm)
 Width: 13.3" (33.8 cm)
 Height: 3.0" (7.6 cm) Main Body
 8.9" (22.6 cm) Arm

Wall Bracket (WBA) Mounting Detail



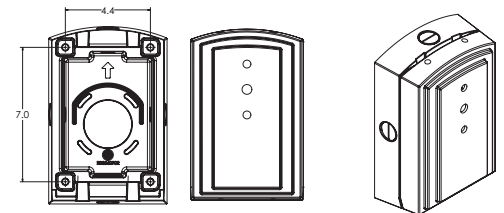
RSX1 with Wall Bracket with Surface Conduit Box (WBASC)



3/4" NPT taps with plugs - Qty (4) provided

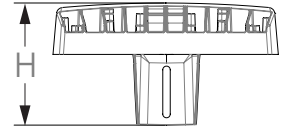
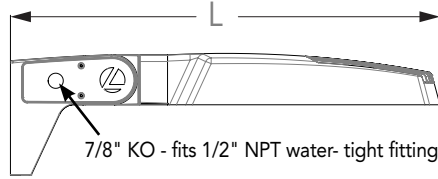
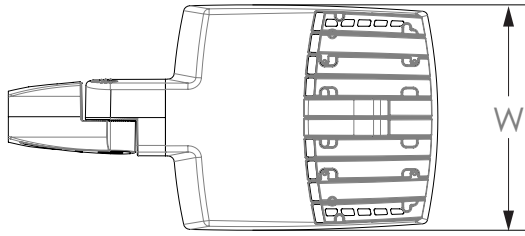
Length: 25.3" (64.3 cm)
 Width: 13.3" (33.8 cm)
 Height: 3.0" (7.6 cm) Main Body
 9.2" (23.4 cm) Arm

Surface Conduit Box (SCB) Mounting Detail



Dimensions

RSX1 with Adjustable Tilt Arm - Square or Round Pole (AASP or AARP)



Length: 25.3" (65.3 cm) **AASP**
 26.3" (66.8 cm) **AARP**
 Width: 13.3" (33.8 cm)
 Height: 3.0" (7.6 cm) Main Body
 7.2" (18.2 cm) Arm



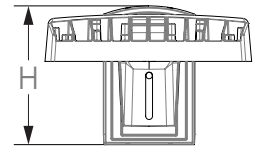
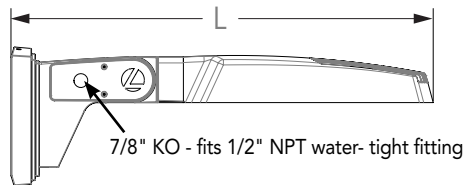
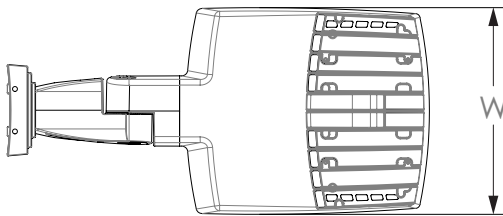
NOTE:
 RPA - Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.

Notes

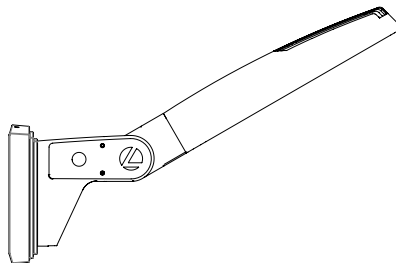
AASP: Requires 3.0" min. square pole for 1 at 90°. Requires 3.5" min. square pole for mounting 2, 3, 4 at 90°.

AARP: Requires 3.2" min. dia. round pole for 2, 3, 4 at 90°. Requires 3.0" min. dia. round pole for mounting 1 at 90°, 2 at 180°, 3 at 120°.

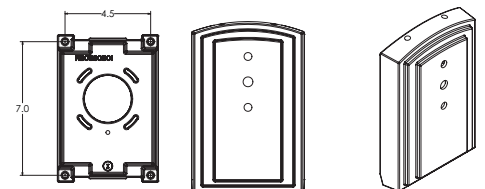
RSX1 with Adjustable Tilt Arm with Wall Bracket (AAWB)



Length: 27.1" (68.8 cm)
 Width: 13.3" (33.8 cm)
 Height: 3.0" (7.6 cm) Main Body
 8.9" (22.6 cm) Arm

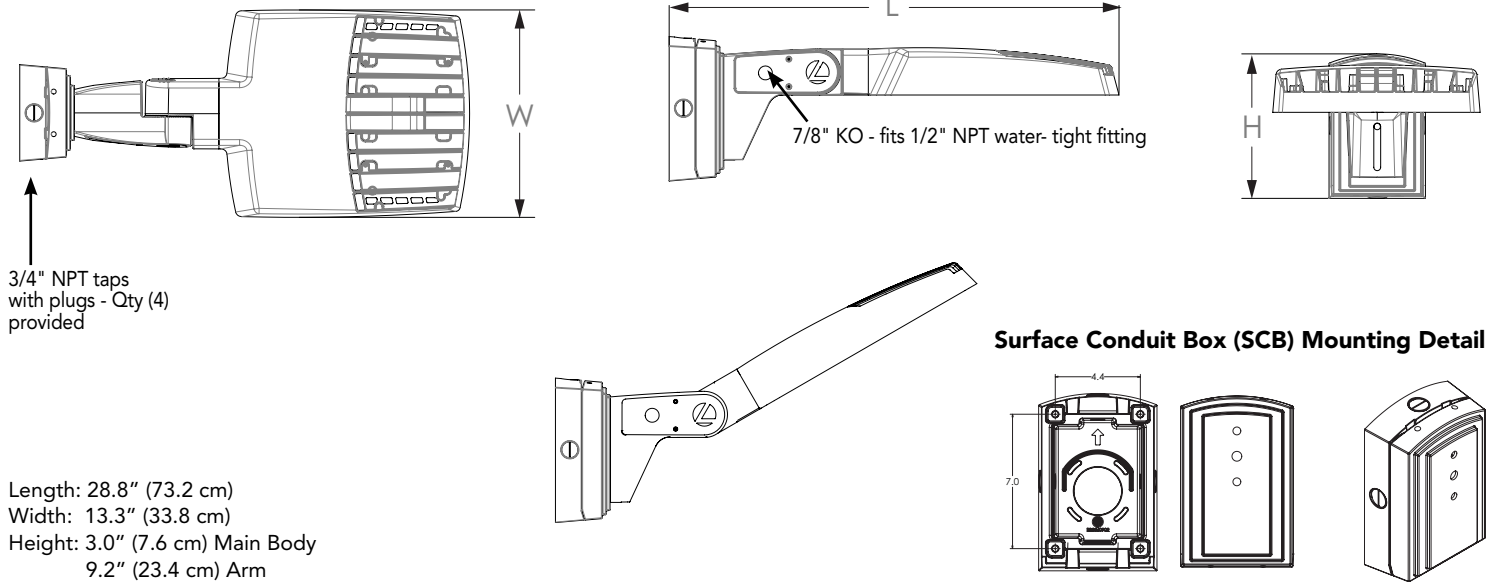


Wall Bracket (WBA) Mounting Detail

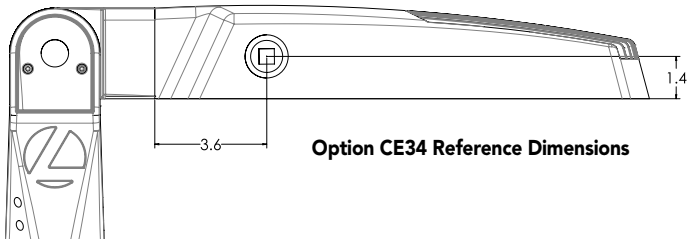


Dimensions

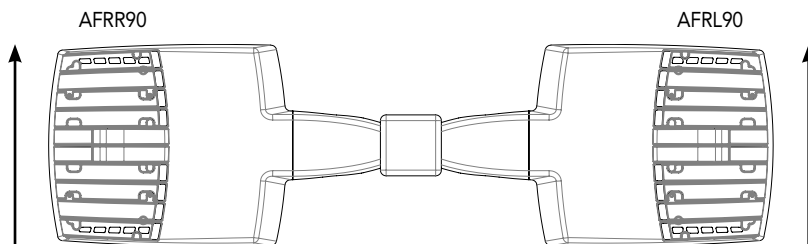
RSX1 with Adjustable Tilt Arm with Wall Bracket and Surface Conduit Box (AAWSC)



Additional Reference Drawings

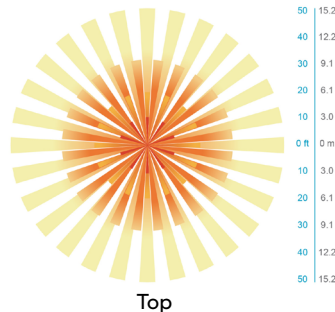
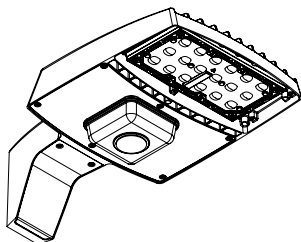


Automotive Front Row - Rotated Optics (AFRL90/R90)

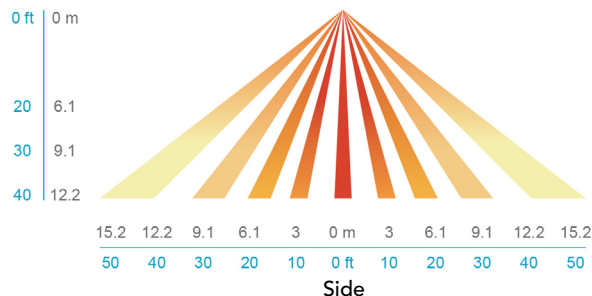


(Example: 2@180 - arrows indicate direction of light exiting the luminaire)

nLight Sensor Coverage Pattern NLTAIR2 PIRHN



Top



Side

Motion Sensor Default Settings - Option PIRHN

Option	Dimmed State (unoccupied)	High Level (when occupied)	Photocell Operation	Dwell Time (occupancy time delay)	Ramp-up Time (from unoccupied to occupied)	Ramp-down Time (from occupied to unoccupied)
NLTAIR2 PIRHN	Approx. 30% Output	100% Output	Enabled @ 1.5FC	7.5 minutes	3 seconds	5 minutes

*Note: NLTAIR2 PIRHN default settings including photocell set-point, high/low dim rates, and occupancy sensor time delay are all configurable using the Clairity Pro App. Sensor coverage pattern shown with luminaire at 0°. Sensor coverage pattern is affected when luminaire is tilted.

FEATURES & SPECIFICATIONS

INTENDED USE

The RSX LED area family is designed to provide a long-lasting, energy-efficient solution for the one-for-one replacement of existing metal halide or high pressure sodium lighting. The RSX1 delivers 7,000 to 17,000 lumens and is ideal for replacing 70W to 400W HID pole-mounted luminaires in parking lots and other area lighting applications.

CONSTRUCTION

The RSX LED area luminaire features a rugged die-cast aluminum main body that uses heat-dissipating fins and flow-through venting to provide optimal thermal management that both enhances LED performance and extends component life. Integral "no drill" mounting arm allows the luminaire to be mounted on existing pole drillings, greatly reducing installation labor. The light engines and housing are sealed against moisture and environmental contaminants to IP66. The low-profile design results in a low EPA, allowing pole optimization. All mountings are rated for minimum 1.5 G vibration load per ANSI C136.31. 3G Mountings: Include SPA, RPA, MA, IS, AASP, and AARP rated for 3G vibration. 1.5G Mountings: Include WBA, WBASC, AAWB and AAWSC rated for 1.5G vibration.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures superior adhesion as well as a minimum finish thickness of 3 mils. The result is a high-quality finish that is warrantied not to crack or peel.

OPTICS

Precision acrylic refractive lenses are engineered for superior application efficiency, distributing the light to where it is needed most. Available in short and wide pattern distributions including Type 2, Type 3, Type 3S, Type 4, Type 4S, Type 5, Type 5S, AFR (Automotive Front Row), and AFR rotated AFR90 and ARFL90.

ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs mounted on metal-core circuit boards and aluminum heat sinks to maximize heat dissipation. Light engines are IP66 rated. LED lumen maintenance is >L92/100,000 hours. CCT's of 3000K, 4000K and 5000K (minimum 70 CRI) are available. Class 1 electronic drivers ensure system power factor >90% and THD <20%. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS

The RSX LED area luminaire has a wide assortment of control options. Dusk to dawn controls include MVOLT and 347V button-type photocells and NEMA twist-lock photocell receptacles.

nLIGHT AIR CONTROLS

The RSX LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing with photocell functionality and is suitable for mounting heights up to 40 feet. No commissioning is required when using factory default settings that provide basic stand-alone motion occupancy dimming that is switched on and off with a built-in photocell. See chart above for motion sensor default out-of-box settings. For more advanced wireless functionality, such as group dimming, nLight AIR can be commissioned using a smartphone and the easy-to-use CLAIRITY app. nLight AIR equipped luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclipse. Additional information about nLight Air can be found [here](#).

INSTALLATION

Integral "no-drill" mounting arm allows for fast, easy mounting using existing pole drillings. Select the "SPA" option for square poles and the "RPA" option to mount to round poles. Note, the RPA mount can also be used for mounting to square poles by omitting the RPA adapter plate. Select the "MA" option to attach the luminaire to a 2 3/8" horizontal mast arm or the "IS" option for an adjustable slipfitter that mounts on a 2 3/8" OD tenon. The adjustable slipfitter has an integral junction box and offers easy installation. Can be tilted up to 90° above horizontal. Additional mountings are available including a wall bracket, adjustable tilt arm for direct-to-pole and wall and a surface conduit box for wall mount applications.

LISTINGS

CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

WARRANTY

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/terms-and-conditions

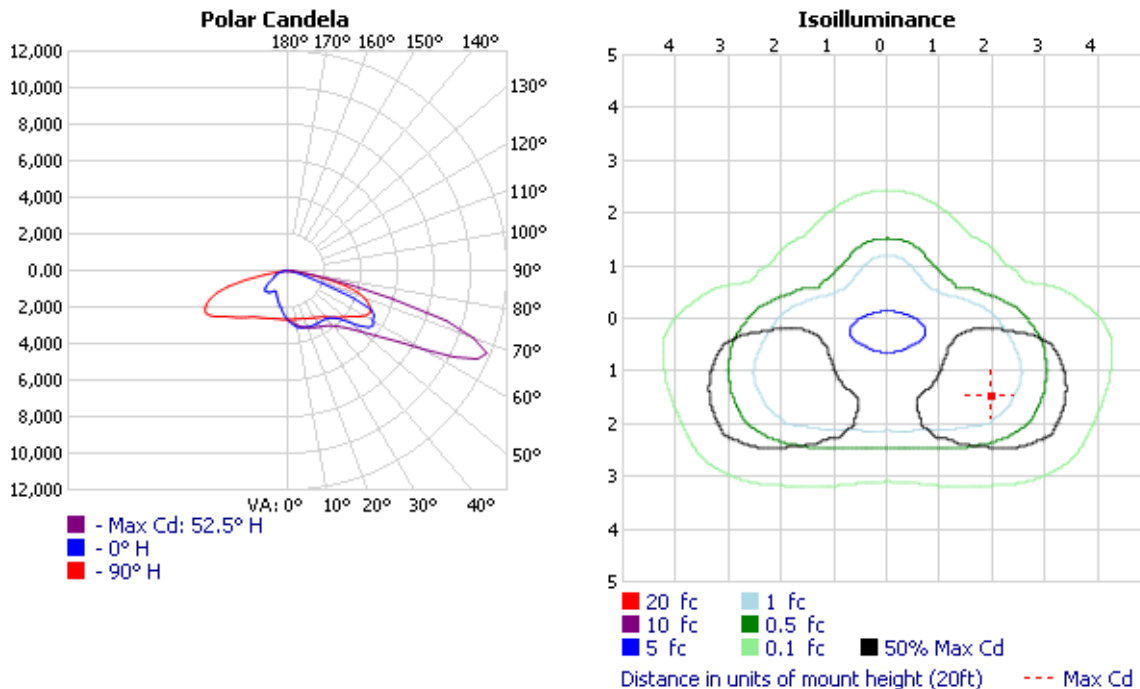
Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

OUTDOOR PHOTOMETRIC REPORT

CATALOG: RSX1 LED P4 40K R3



Test #: ISF 183461P11
 Test Lab: SCALED PHOTOMETRY
 Test Date: 7/17/2018
 Catalog: RSX1 LED P4 40K R3
 Description: RSX Area Fixture Size 1 P4 Lumen Package 4000K CCT
 Type R3 Distribution
 Series: RSX1 LED Area Luminaire
 Lamp Output: Total luminaire Lumens: 16359.5, **absolute photometry ***
 Input Wattage: 133.14
 Luminous Opening: Rectangle (L: 5.28", W: 10.56")
 Max Cd: 11,793.0 at Horizontal: 52.5°, Vertical: 67.5°
 Roadway Class: SHORT, TYPE III



*Test based on absolute photometry where lamp lumens=lumens total.

*Cutoff Classification and efficiency cannot be properly calculated for absolute photometry.

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This Photometric report has been generated using methods recommended by the IESNA. Calculations are based on Photometric data provided by the manufacturer, and the accuracy of this Photometric report is dependent on the accuracy of the data provided. End-user environment and application (including, but not limited to, voltage variation and dirt accumulation) can cause actual Photometric performance to differ from the performance calculated using the data provided by the manufacturer. This report is provided without warranty as to accuracy, completeness, reliability or otherwise. In no event will Acuity Brands Lighting be responsible for any loss resulting from any use of this report.

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VISUAL PHOTOMETRIC TOOL

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OUTDOOR PHOTOMETRIC REPORT
 CATALOG: RSX1 LED P4 40K R3

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	2,191.0	13.4%
0-40	3,832.5	23.4%
0-60	9,422.5	57.6%
60-90	6,937.0	42.4%
70-100	2,583.1	15.8%
90-120	0.000	0%
0-90	16,359.5	100%
90-180	0.000	0%
0-180	16,359.5	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	253.9	1.6%	90-100	0.000	0%
10-20	742.8	4.5%	100-110	0.000	0%
20-30	1,194.3	7.3%	110-120	0.000	0%
30-40	1,641.5	10.0%	120-130	0.000	0%
40-50	2,264.7	13.8%	130-140	0.000	0%
50-60	3,325.3	20.3%	140-150	0.000	0%
60-70	4,353.9	26.6%	150-160	0.000	0%
70-80	2,317.9	14.2%	160-170	0.000	0%
80-90	265.2	1.6%	170-180	0.000	0%

Roadway Summary

Distribution:	TYPE III, SHORT	
Max Cd, 90 Deg Vert:	0.000	
Max Cd, 80 to <90 Deg:	1,832.1	
	Lumens	% Lamp
Downward Street Side:	12,590.9	77%
Downward House Side:	3,768.2	23%
Downward Total:	16,359.1	100%
Upward Street Side:	0.000	0%
Upward House Side:	0.000	0%
Upward Total:	0.000	0%
Total Lumens:	16,359.1	100%

LCS Table
BUG Rating
B2 - U0 - G3

Forward Light	Lumens	Lumens %
Low(0-30):	1,352.2	8.3%
Medium(30-60):	5,369.5	32.8%
High(60-80):	5,695.4	34.8%
Very High(80-90):	173.8	1.1%
Back Light		
Low(0-30):	838.9	5.1%
Medium(30-60):	1,860.6	11.4%
High(60-80):	978.3	6%
Very High(80-90):	90.5	0.6%
Uplight		
Low(90-100):	0.000	0%
High(100-180):	0.000	0%
Trapped Light:	0.4	0%

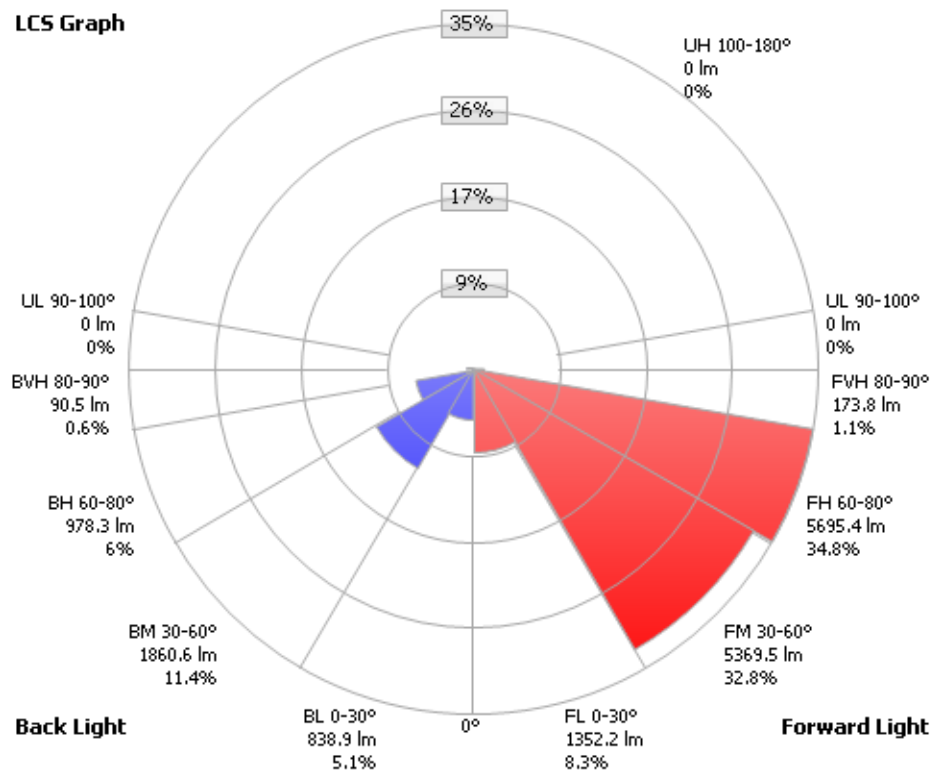

 ISF 183461P11
 VISUAL PHOTOMETRIC TOOL

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OUTDOOR PHOTOMETRIC REPORT
 CATALOG: RSX1 LED P4 40K R3



LCS Graph



Back Light

Scale = Max LCS %

Trapped Light: 0.4 lm, 0%

Forward Light

OUTDOOR PHOTOMETRIC REPORT
 CATALOG: RSX1 LED P4 40K R3

Candela Table - Type C

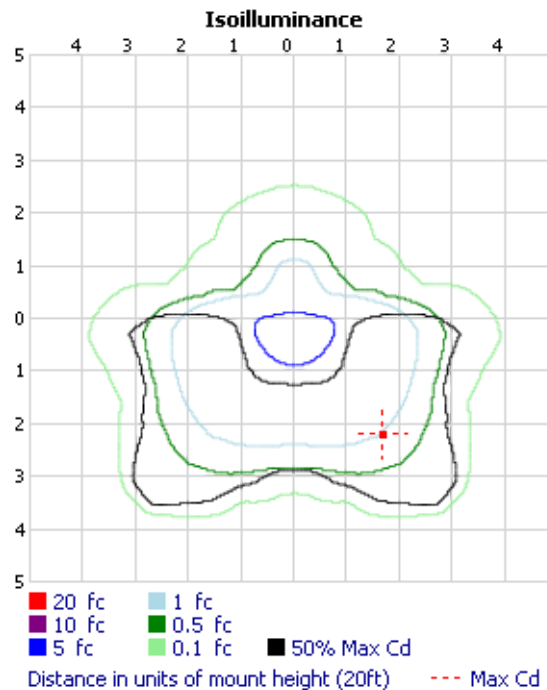
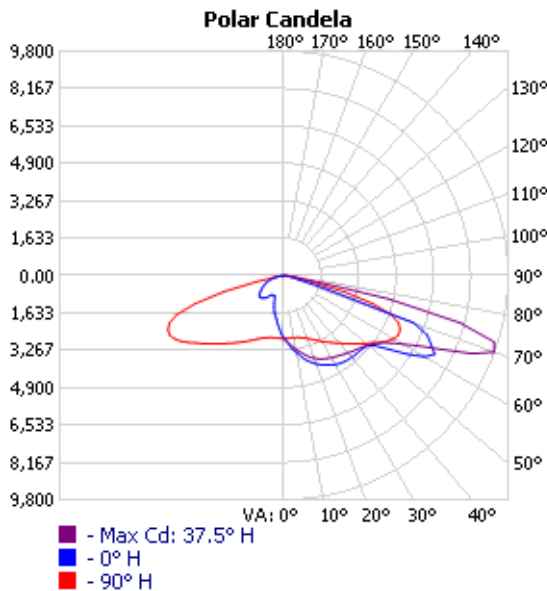
	0	15	25	35	45	55	65	75	85	90	105	115	125	135	145	155	165	175	180
0	2668	2668	2668	2668	2668	2668	2668	2668	2668	2668	2668	2668	2668	2668	2668	2668	2668	2668	2668
5	2937	2937	2914	2897	2857	2838	2802	2753	2706	2682	2598	2548	2503	2463	2421	2404	2376	2377	2411
10	3135	3130	3131	3102	3057	3024	2940	2857	2743	2689	2518	2412	2314	2231	2168	2106	2082	2066	2075
15	3228	3229	3232	3233	3211	3185	3097	2974	2813	2731	2452	2281	2126	2012	1937	1886	1860	1838	1860
20	3266	3282	3295	3306	3321	3326	3267	3122	2899	2785	2394	2163	1987	1850	1745	1675	1637	1618	1626
25	3304	3312	3323	3356	3392	3455	3438	3308	3030	2864	2341	2067	1851	1675	1561	1501	1452	1431	1440
30	3306	3318	3337	3388	3465	3565	3613	3507	3167	2972	2298	1975	1696	1508	1377	1302	1286	1295	1300
35	3324	3328	3372	3459	3577	3720	3839	3765	3377	3108	2288	1861	1523	1302	1223	1240	1312	1365	1373
40	3392	3411	3487	3623	3795	4007	4163	4117	3657	3325	2301	1731	1316	1161	1210	1317	1481	1550	1558
45	3663	3686	3781	3945	4176	4474	4676	4614	4038	3634	2339	1573	1142	1109	1191	1352	1536	1623	1643
50	4410	4372	4385	4546	4893	5240	5481	5275	4488	3949	2353	1317	1015	1032	1051	1271	1468	1597	1620
55	5421	5466	5430	5589	5987	6527	6838	6369	5111	4379	2318	1097	956	904	907	1140	1278	1373	1393
60	5386	5734	6221	6812	7813	8846	8839	7641	5810	4916	2101	936	917	762	783	914	990	1010	1009
65	5062	5660	6462	7813	10411	11449	10329	8099	5893	4999	1658	827	780	617	642	707	771	804	804
70	2010	2806	4637	6993	10265	10984	10629	8352	5629	4518	910	690	606	502	582	602	664	698	694
75	765	1029	1464	2607	4553	6244	5861	5063	4363	3404	569	549	444	400	498	484	519	532	529
80	261	290	410	657	975	1638	1832	1502	1591	1299	361	417	299	282	332	339	339	311	314
85	109	125	175	181	192	383	479	151	157	165	207	194	141	129	136	152	150	154	147
90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

OUTDOOR PHOTOMETRIC REPORT

CATALOG: RSX1 LED P4 40K R4

Test #: ISF 38787P11
 Test Lab: SCALED PHOTOMETRY
 Test Date: 7/5/2018
 Catalog: RSX1 LED P4 40K R4
 Description: RSX Area Fixture Size 1 P4 Lumen Package 4000K
 CCT Type R4 Distribution
 Series: RSX1 LED Area Luminaire
 Lamp Output: Total luminaire Lumens: 16573.6, **absolute photometry ***
 Input Wattage: 133.14
 Luminous Opening: Rectangle (L: 5.28", W: 10.56")
 Max Cd: 9,774.2 at Horizontal: 37.5°, Vertical: 70°
 Roadway Class: SHORT, TYPE IV





*Test based on absolute photometry where lamp lumens=lumens total.

*Cutoff Classification and efficiency cannot be properly calculated for absolute photometry.

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 ISF 38787P11
 VISUAL PHOTOMETRIC TOOL

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OUTDOOR PHOTOMETRIC REPORT
 CATALOG: RSX1 LED P4 40K R4

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	2,300.2	13.9%
0-40	4,093.8	24.7%
0-60	9,645.7	58.2%
60-90	6,927.9	41.8%
70-100	2,600.6	15.7%
90-120	0.000	0%
0-90	16,573.6	100%
90-180	0.000	0%
0-180	16,573.6	100%


Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	258.1	1.6%	90-100	0.000	0%
10-20	769.7	4.6%	100-110	0.000	0%
20-30	1,272.3	7.7%	110-120	0.000	0%
30-40	1,793.6	10.8%	120-130	0.000	0%
40-50	2,369.7	14.3%	130-140	0.000	0%
50-60	3,182.2	19.2%	140-150	0.000	0%
60-70	4,327.3	26.1%	150-160	0.000	0%
70-80	2,399.1	14.5%	160-170	0.000	0%
80-90	201.5	1.2%	170-180	0.000	0%

Roadway Summary

Distribution:	TYPE IV, SHORT	
Max Cd, 90 Deg Vert:	0.000	
Max Cd, 80 to <90 Deg:	1,266.5	
	Lumens	% Lamp
Downward Street Side:	13,066.0	78.8%
Downward House Side:	3,507.2	21.2%
Downward Total:	16,573.2	100%
Upward Street Side:	0.000	0%
Upward House Side:	0.000	0%
Upward Total:	0.000	0%
Total Lumens:	16,573.2	100%

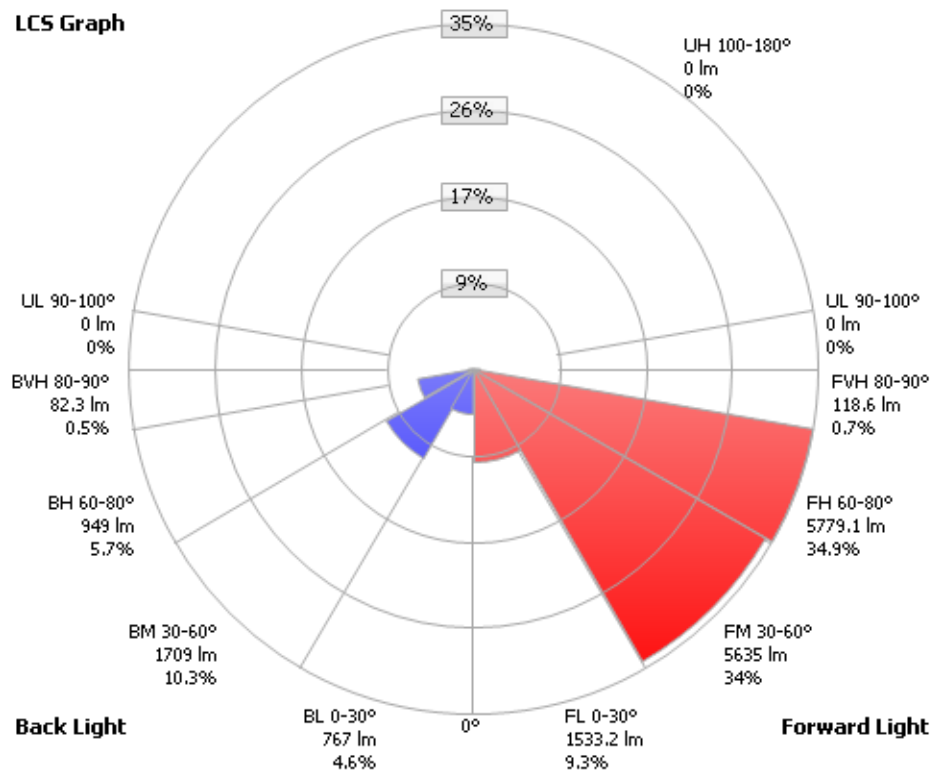
LCS Table

BUG Rating	B2 - U0 - G3	
Forward Light	Lumens	Lumens %
Low(0-30):	1,533.2	9.3%
Medium(30-60):	5,635.0	34%
High(60-80):	5,779.1	34.9%
Very High(80-90):	118.6	0.7%
Back Light		
Low(0-30):	767.0	4.6%
Medium(30-60):	1,709.0	10.3%
High(60-80):	949.0	5.7%
Very High(80-90):	82.3	0.5%
Uplight		
Low(90-100):	0.000	0%
High(100-180):	0.000	0%
Trapped Light:	0.4	0%

OUTDOOR PHOTOMETRIC REPORT
 CATALOG: RSX1 LED P4 40K R4



LCS Graph



Back Light

Scale = Max LCS %

Trapped Light: 0.4 lm, 0%

Forward Light

OUTDOOR PHOTOMETRIC REPORT
 CATALOG: RSX1 LED P4 40K R4

Candela Table - Type C

	0	15	25	35	45	55	65	75	85	90	105	115	125	135	145	155	165	175	180
0	2729	2729	2729	2729	2729	2729	2729	2729	2729	2729	2729	2729	2729	2729	2729	2729	2729	2729	2729
5	3104	3072	3064	3031	2962	2943	2886	2836	2766	2741	2618	2552	2489	2424	2374	2344	2320	2308	2320
10	3462	3422	3378	3311	3215	3159	3050	2943	2815	2751	2510	2366	2235	2119	2038	1971	1930	1917	1921
15	3830	3763	3705	3602	3469	3380	3234	3085	2903	2804	2430	2206	2020	1866	1752	1676	1632	1610	1626
20	4102	4040	3966	3859	3709	3610	3444	3276	3051	2911	2384	2074	1833	1654	1505	1384	1298	1250	1260
25	4301	4240	4149	4036	3896	3814	3673	3525	3272	3087	2373	1966	1679	1413	1177	1027	969	963	964
30	4487	4411	4304	4158	4026	3983	3874	3755	3528	3321	2371	1862	1464	1078	916	925	956	976	980
35	4589	4543	4441	4276	4138	4132	4067	3984	3800	3573	2373	1743	1150	867	874	937	1015	1069	1072
40	4634	4624	4538	4410	4291	4300	4294	4259	4111	3863	2396	1553	871	822	890	1000	1162	1256	1272
45	4668	4681	4610	4533	4498	4557	4622	4647	4518	4218	2424	1261	795	795	873	1036	1266	1374	1390
50	4773	4795	4737	4709	4772	4946	5095	5186	5019	4622	2385	947	778	778	828	1058	1291	1387	1404
55	5610	5396	5119	5100	5274	5635	5918	6030	5679	5093	2227	823	770	756	773	1026	1212	1264	1261
60	7091	6994	6329	5929	6305	6981	7154	7010	6348	5522	1796	753	733	645	685	949	1095	1117	1109
65	7094	7995	8303	7687	8082	8448	7898	7457	6610	5594	1073	668	652	544	672	841	918	933	932
70	6048	7407	8594	9772	9234	8402	6953	6220	6022	4992	727	552	534	454	697	654	699	760	760
75	635	1018	5399	7695	7461	3766	1796	2107	3195	2720	516	487	437	366	492	494	526	560	560
80	285	389	698	1162	1267	660	419	322	411	451	336	353	317	264	283	333	340	331	338
85	112	156	289	468	188	107	109	109	113	119	176	165	140	118	119	138	145	158	152
90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

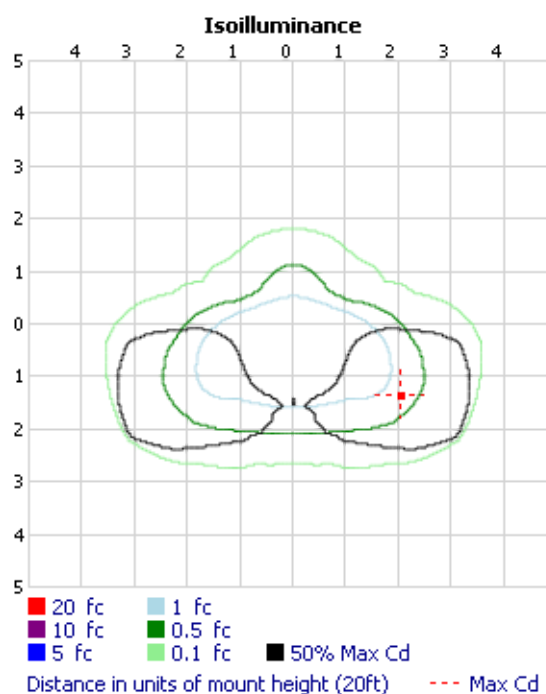
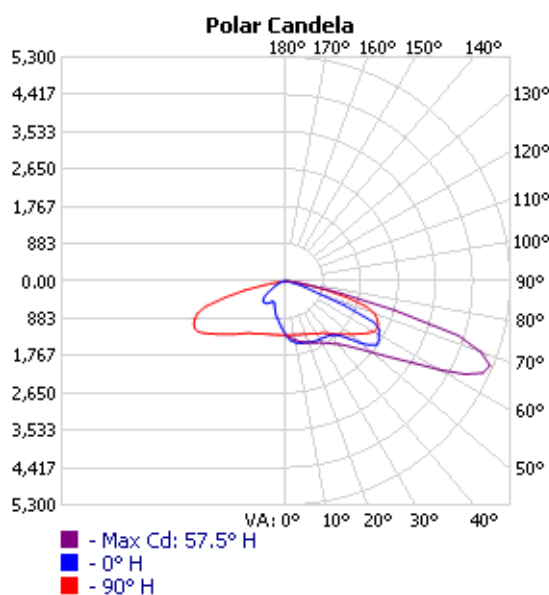
OUTDOOR PHOTOMETRIC REPORT

CATALOG: WDGE3 LED P1 70CRI R3 40K

Test #: ISF 193280P2
 Test Lab: ACUITY BRANDS LIGHTING, DECATUR LAB
 Catalog: WDGE3 LED P1 70CRI R3 40K
 Description: WDGE3 LED WITH P1 - PERFORMANCE PACKAGE, 4000K, 70CRI, TYPE 3 OPTIC
 Series: WDGE3 LED Wall Mount
 Lamp Output: Total luminaire Lumens: 7523.8, **absolute photometry**
 *
 Input Wattage: 51.1717
 Luminous Opening: Rectangle (L: 6.12", W: 12")
 Max Cd: 5,218.7 at Horizontal: 57.5°, Vertical: 67.5°
 Roadway Class: SHORT, TYPE III

AcuityBrands.

LITHONIA LIGHTING®



*Test based on absolute photometry where lamp lumens=lumens total.

*Cutoff Classification and efficiency cannot be properly calculated for absolute photometry.

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 VISUAL PHOTOMETRIC TOOL

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OUTDOOR PHOTOMETRIC REPORT
 CATALOG: WDGE3 LED P1 70CRI R3 40K

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,034.5	13.7%
0-40	1,815.9	24.1%
0-60	4,507.9	59.9%
60-90	3,015.9	40.1%
70-100	1,031.2	13.7%
90-120	0.000	0%
0-90	7,523.8	100%
90-180	0.000	0%
0-180	7,523.8	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	120.9	1.6%	90-100	0.000	0%
10-20	351.1	4.7%	100-110	0.000	0%
20-30	562.5	7.5%	110-120	0.000	0%
30-40	781.5	10.4%	120-130	0.000	0%
40-50	1,097.4	14.6%	130-140	0.000	0%
50-60	1,594.5	21.2%	140-150	0.000	0%
60-70	1,984.7	26.4%	150-160	0.000	0%
70-80	952.8	12.7%	160-170	0.000	0%
80-90	78.4	1.0%	170-180	0.000	0%

Roadway Summary

Distribution:	TYPE III, SHORT	
Max Cd, 90 Deg Vert:	0.000	
Max Cd, 80 to <90 Deg:	731.9	
	Lumens	% Lamp
Downward Street Side:	5,808.8	77.2%
Downward House Side:	1,715.1	22.8%
Downward Total:	7,523.9	100%
Upward Street Side:	0.000	0%
Upward House Side:	0.000	0%
Upward Total:	0.000	0%
Total Lumens:	7,523.9	100%

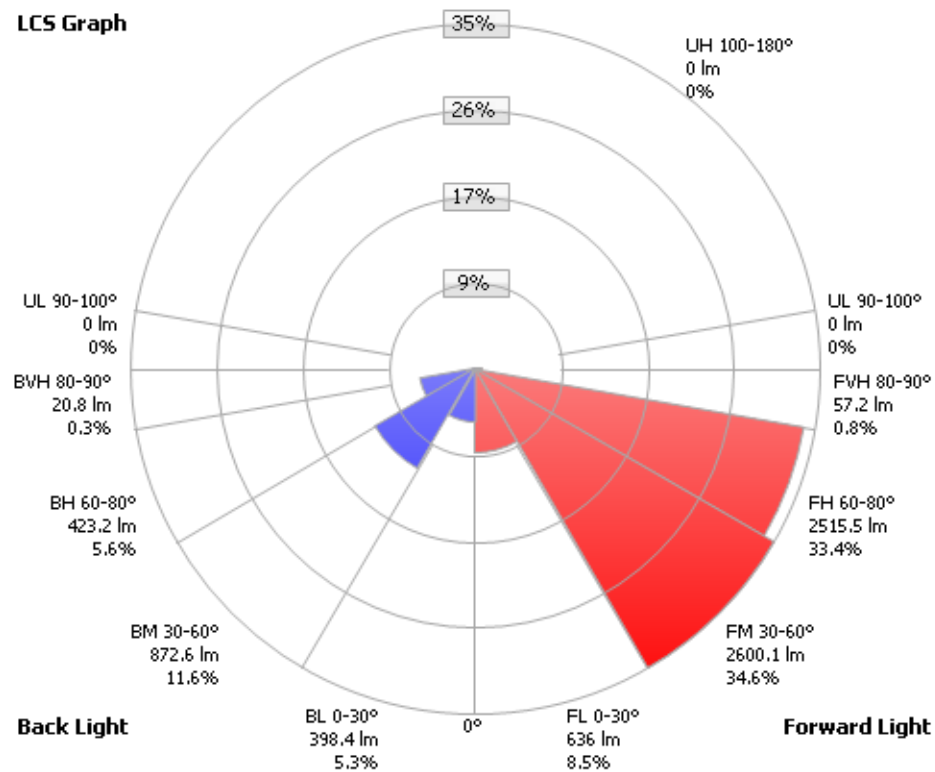
LCS Table

BUG Rating	B1 - U0 - G2	
Forward Light	Lumens	Lumens %
Low(0-30):	636.0	8.5%
Medium(30-60):	2,600.1	34.6%
High(60-80):	2,515.5	33.4%
Very High(80-90):	57.2	0.8%
Back Light		
Low(0-30):	398.4	5.3%
Medium(30-60):	872.6	11.6%
High(60-80):	423.2	5.6%
Very High(80-90):	20.8	0.3%
Uplight		
Low(90-100):	0.000	0%
High(100-180):	0.000	0%
Trapped Light:	0.000	0%

OUTDOOR PHOTOMETRIC REPORT
 CATALOG: WDGE3 LED P1 70CRI R3 40K



LCS Graph



Back Light

Scale = Max LCS %

Trapped Light: 0 lm, 0%

Forward Light

OUTDOOR PHOTOMETRIC REPORT
 CATALOG: WDGE3 LED P1 70CRI R3 40K



Candela Table - Type C

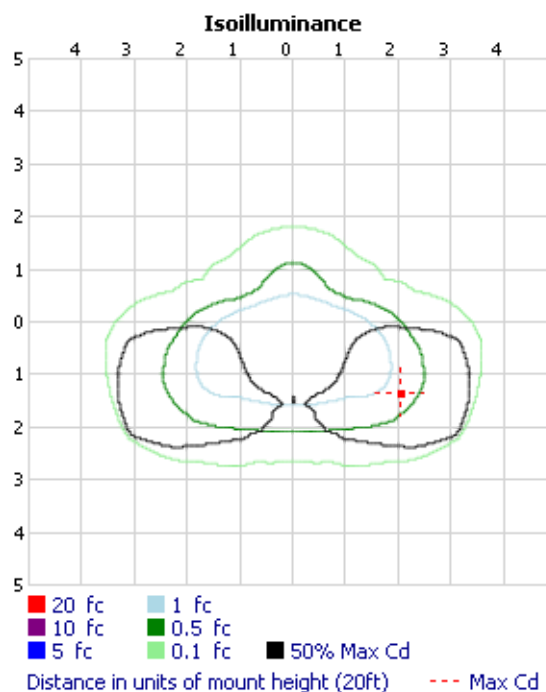
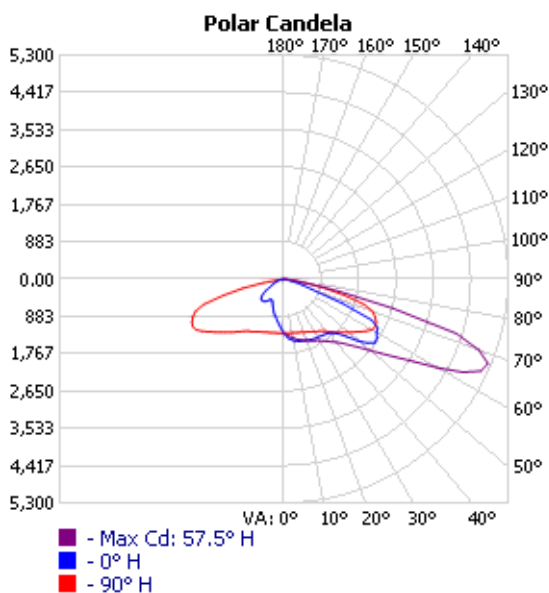
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0	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275
5	1414	1394	1389	1384	1386	1356	1338	1312	1289	1280	1241	1217	1191	1178	1149	1143	1131	1125	1115
10	1483	1466	1462	1457	1462	1426	1400	1358	1311	1290	1209	1155	1106	1073	1031	1006	990	978	973
15	1517	1500	1501	1502	1517	1490	1464	1412	1342	1308	1180	1097	1024	964	918	896	877	866	859
20	1542	1521	1525	1531	1561	1543	1533	1478	1384	1334	1154	1044	952	891	828	793	765	747	742
25	1570	1543	1549	1561	1603	1599	1609	1560	1446	1376	1132	990	895	807	725	685	661	645	641
30	1592	1561	1571	1595	1660	1669	1701	1665	1527	1438	1111	950	815	705	627	588	576	576	574
35	1614	1587	1607	1657	1747	1776	1836	1796	1620	1496	1097	897	721	602	554	558	582	600	600
40	1662	1649	1710	1772	1882	1926	1997	1984	1779	1621	1112	834	619	538	548	593	661	687	686
45	1828	1810	1861	1956	2114	2174	2260	2234	1976	1782	1144	755	534	507	540	601	679	718	719
50	2261	2184	2193	2255	2442	2571	2646	2564	2207	1957	1171	640	472	472	474	558	643	699	702
55	2626	2599	2641	2730	2961	3133	3290	3081	2503	2171	1171	538	445	412	398	495	554	589	592
60	2528	2631	2890	3206	3716	4108	4166	3649	2822	2398	1081	445	420	343	335	388	394	394	395
65	2285	2537	2949	3577	4672	5132	4851	3957	2860	2406	834	377	345	265	264	273	289	292	292
70	688	950	1693	2792	4316	4817	4839	3904	2798	2228	449	303	259	205	219	215	224	231	233
75	296	413	577	878	1625	2630	2400	2121	1828	1482	232	223	173	143	169	159	167	167	168
80	97	103	139	221	310	580	732	625	598	501	135	135	90	84	92	86	80	74	72
85	26	29	34	39	44	101	117	58	57	57	48	44	22	15	8	8	8	8	8
90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

OUTDOOR PHOTOMETRIC REPORT **CATALOG: WDGE3 LED P1 70CRI R3 40K**

Test #: ISF 193280P2
Test Lab: ACUITY BRANDS LIGHTING, DECATUR LAB
Catalog: WDGE3 LED P1 70CRI R3 40K
Description: WDGE3 LED WITH P1 - PERFORMANCE PACKAGE, 4000K, 70CRI, TYPE 3 OPTIC
Series: WDGE3 LED Wall Mount
Lamp Output: Total luminaire Lumens: 7523.8, **absolute photometry**
Input Wattage: 51.1717
Luminous Opening: Rectangle (L: 6.12", W: 12")
Max Cd: 5,218.7 at Horizontal: 57.5°, Vertical: 67.5°
Roadway Class: SHORT, TYPE III

AcuityBrands.

LITHONIA LIGHTING®



*Test based on absolute photometry where lamp lumens=lumens total.

*Cutoff Classification and efficiency cannot be properly calculated for absolute photometry.

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 VISUAL PHOTOMETRIC TOOL

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OUTDOOR PHOTOMETRIC REPORT
 CATALOG: WDGE3 LED P1 70CRI R3 40K

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,034.5	13.7%
0-40	1,815.9	24.1%
0-60	4,507.9	59.9%
60-90	3,015.9	40.1%
70-100	1,031.2	13.7%
90-120	0.000	0%
0-90	7,523.8	100%
90-180	0.000	0%
0-180	7,523.8	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	120.9	1.6%	90-100	0.000	0%
10-20	351.1	4.7%	100-110	0.000	0%
20-30	562.5	7.5%	110-120	0.000	0%
30-40	781.5	10.4%	120-130	0.000	0%
40-50	1,097.4	14.6%	130-140	0.000	0%
50-60	1,594.5	21.2%	140-150	0.000	0%
60-70	1,984.7	26.4%	150-160	0.000	0%
70-80	952.8	12.7%	160-170	0.000	0%
80-90	78.4	1.0%	170-180	0.000	0%

Roadway Summary

Distribution:	TYPE III, SHORT	
Max Cd, 90 Deg Vert:	0.000	
Max Cd, 80 to <90 Deg:	731.9	
	Lumens	% Lamp
Downward Street Side:	5,808.8	77.2%
Downward House Side:	1,715.1	22.8%
Downward Total:	7,523.9	100%
Upward Street Side:	0.000	0%
Upward House Side:	0.000	0%
Upward Total:	0.000	0%
Total Lumens:	7,523.9	100%

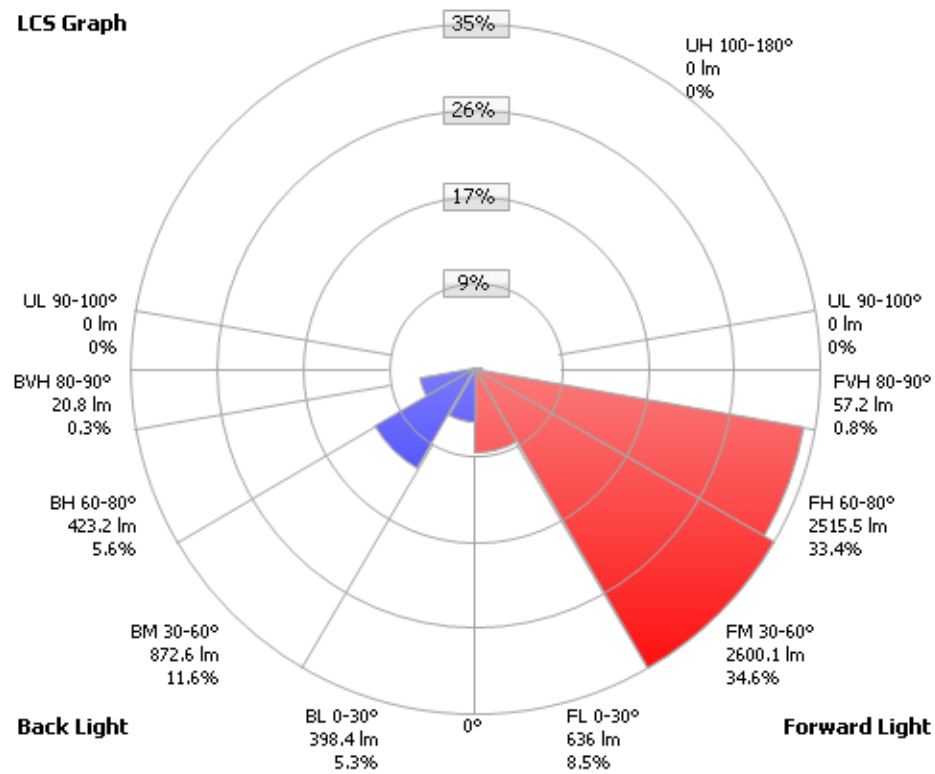
LCS Table

BUG Rating	B1 - U0 - G2	
Forward Light	Lumens	Lumens %
Low(0-30):	636.0	8.5%
Medium(30-60):	2,600.1	34.6%
High(60-80):	2,515.5	33.4%
Very High(80-90):	57.2	0.8%
Back Light		
Low(0-30):	398.4	5.3%
Medium(30-60):	872.6	11.6%
High(60-80):	423.2	5.6%
Very High(80-90):	20.8	0.3%
Uplight		
Low(90-100):	0.000	0%
High(100-180):	0.000	0%
Trapped Light:	0.000	0%

OUTDOOR PHOTOMETRIC REPORT
 CATALOG: WDGE3 LED P1 70CRI R3 40K



LCS Graph



Back Light

Scale = Max LCS %

Trapped Light: 0 lm, 0%

Forward Light

OUTDOOR PHOTOMETRIC REPORT
 CATALOG: WDGE3 LED P1 70CRI R3 40K



Candela Table - Type C

	0	15	25	35	45	55	65	75	85	90	105	115	125	135	145	155	165	175	180
0	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275
5	1414	1394	1389	1384	1386	1356	1338	1312	1289	1280	1241	1217	1191	1178	1149	1143	1131	1125	1115
10	1483	1466	1462	1457	1462	1426	1400	1358	1311	1290	1209	1155	1106	1073	1031	1006	990	978	973
15	1517	1500	1501	1502	1517	1490	1464	1412	1342	1308	1180	1097	1024	964	918	896	877	866	859
20	1542	1521	1525	1531	1561	1543	1533	1478	1384	1334	1154	1044	952	891	828	793	765	747	742
25	1570	1543	1549	1561	1603	1599	1609	1560	1446	1376	1132	990	895	807	725	685	661	645	641
30	1592	1561	1571	1595	1660	1669	1701	1665	1527	1438	1111	950	815	705	627	588	576	576	574
35	1614	1587	1607	1657	1747	1776	1836	1796	1620	1496	1097	897	721	602	554	558	582	600	600
40	1662	1649	1710	1772	1882	1926	1997	1984	1779	1621	1112	834	619	538	548	593	661	687	686
45	1828	1810	1861	1956	2114	2174	2260	2234	1976	1782	1144	755	534	507	540	601	679	718	719
50	2261	2184	2193	2255	2442	2571	2646	2564	2207	1957	1171	640	472	472	474	558	643	699	702
55	2626	2599	2641	2730	2961	3133	3290	3081	2503	2171	1171	538	445	412	398	495	554	589	592
60	2528	2631	2890	3206	3716	4108	4166	3649	2822	2398	1081	445	420	343	335	388	394	394	395
65	2285	2537	2949	3577	4672	5132	4851	3957	2860	2406	834	377	345	265	264	273	289	292	292
70	688	950	1693	2792	4316	4817	4839	3904	2798	2228	449	303	259	205	219	215	224	231	233
75	296	413	577	878	1625	2630	2400	2121	1828	1482	232	223	173	143	169	159	167	167	168
80	97	103	139	221	310	580	732	625	598	501	135	135	90	84	92	86	80	74	72
85	26	29	34	39	44	101	117	58	57	57	48	44	22	15	8	8	8	8	8
90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



WDGE3 LED

Architectural Wall Sconce



Catalog
Number

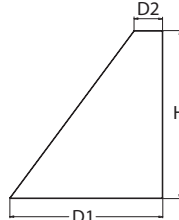
Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

Depth (D1): 8"
Depth (D2): 1.5"
Height: 9"
Width: 18"
Weight: 19.5 lbs
 (without options)



Introduction

The WDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with nLight® AIR wireless controls, the WDGE family provides additional energy savings and code compliance.

WDGE3 has been designed to deliver up to 12,000 lumens through a precision refractive lens with wide distribution, perfect for augmenting the lighting from pole mounted luminaires.

WDGE LED Family Overview

Luminaire	Standard EM, 0°C	Cold EM, -20°C	Sensor	Lumens (4000K)					
				P1	P2	P3	P4	P5	P6
WDGE1 LED	4W	--	--	1,200	2,000	--	--	--	--
WDGE2 LED	10W	18W	Standalone / nLight	1,200	2,000	3,000	4,500	6,000	--
WDGE3 LED	15W	18W	Standalone / nLight	7,500	8,500	10,000	12,000	--	--
WDGE4 LED	--	--	Standalone / nLight	12,000	16,000	18,000	20,000	22,000	25,000

Ordering Information

EXAMPLE: WDGE3 LED P3 40K 70CRI R3 MVOLT SRM DDBXD

Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting
WDGE3 LED	P1	30K 3000K	70CRI	R2 Type 2	MVOLT	Shipped included
	P2	40K 4000K	80CRI	R3 Type 3	347 ¹	SRM Surface mounting bracket
	P3	50K 5000K		R4 Type 4	480 ¹	ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only)*
	P4			RFT Forward Throw		
						Shipped separately
						AWS 3/8inch Architectural wall spacer
						PBBW Surface-mounted back box (top, left, right conduit entry). Use when there is no junction box available.

Options			Finish	
E15WH	Emergency battery backup, Certified in CA Title 20 MAEDBS (15W, 5°C min)	Standalone Sensors/Controls	DDBXD	Dark bronze
E20WC	Emergency battery backup, Certified in CA Title 20 MAEDBS (18W, -20°C min)	PIR Bi-level (100/35%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk to dawn switching.	DBLXD	Black
PE ²	Photocell, Button Type	PIRH Bi-level (100/35%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk to dawn switching	DNAXD	Natural aluminum
DMG ³	0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately)	PIR1FC3V Bi-level (100/35%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation.	DWHXD	White
BCE	Bottom conduit entry for back box (PBBW). Total of 4 entry points.	PIRH1FC3V Bi-level (100/35%) motion sensor for 15-30' mounting heights with photocell pre-programmed for dusk to dawn operation.	DSSXD	Sandstone
SPD10KV	10kV Surge pack	Networked Sensors/Controls	DDBTXD	Textured dark bronze
		NLTAIR2 PIR nLightAIR Wireless enabled bi-level motion/ambient sensor for 8-15' mounting heights.	DBLBXD	Textured black
		NLTAIR2 PIRH nLightAIR Wireless enabled bi-level motion/ambient sensor for 15-30' mounting heights.	DNATXD	Textured natural aluminum
		See page 4 for out of box functionality	DWHGXD	Textured white
			DSSTXD	Textured sandstone

Accessories

Ordered and shipped separately.

WDGEAWS DDBXD U WDGE 3/8inch Architectural Wall Spacer (specify finish)
 WDGE3PBBW DDBXD U WDGE3 surface-mounted back box (specify finish)

NOTES

- 347V and 480V not available with E15WH and E20WC.
- PE not available in 480V and with sensors/controls.
- DMG option not available with sensors/controls.
- Not qualified for DLC. Not available with emergency battery backup or sensors/controls



COMMERCIAL OUTDOOR

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WDGE3 LED
 Rev. 01/04/21

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Dist. Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P1	52W	R2	7,037	136	1	0	1	7,649	148	2	0	1	7,649	148	2	0	1
		R3	6,922	134	1	0	2	7,524	145	1	0	2	7,524	145	1	0	2
		R4	7,133	138	1	0	2	7,753	150	1	0	2	7,753	150	1	0	2
		RFT	6,985	135	1	0	2	7,592	147	1	0	2	7,592	147	1	0	2
P2	59W	R2	7,968	135	2	0	1	8,661	147	2	0	1	8,661	147	2	0	1
		R3	7,838	133	1	0	2	8,519	144	1	0	2	8,519	144	1	0	2
		R4	8,077	137	1	0	2	8,779	149	1	0	2	8,779	149	1	0	2
		RFT	7,909	134	1	0	2	8,597	146	2	0	2	8,597	146	2	0	2
P3	71W	R2	9,404	132	2	0	1	10,221	143	2	0	1	10,221	143	2	0	1
		R3	9,250	130	2	0	2	10,054	141	2	0	2	10,054	141	2	0	2
		R4	9,532	134	2	0	2	10,361	145	2	0	2	10,361	145	2	0	2
		RFT	9,334	131	2	0	2	10,146	142	2	0	2	10,146	142	2	0	2
P4	88W	R2	11,380	129	2	0	1	12,369	140	2	0	1	12,369	140	2	0	1
		R3	11,194	127	2	0	2	12,167	138	2	0	2	12,167	138	2	0	2
		R4	11,535	131	2	0	2	12,538	142	2	0	2	12,538	142	2	0	2
		RFT	11,295	128	2	0	2	12,277	139	2	0	2	12,277	139	2	0	2

Electrical Load

Performance Package	System Watts	Current (A)					
		120V	208V	240V	277V	347V	480V
P1	52W	0.437	0.246	0.213	0.186	0.150	0.110
P2	59W	0.498	0.287	0.251	0.220	0.175	0.126
P3	71W	0.598	0.344	0.300	0.262	0.210	0.152
P4	88W	0.727	0.424	0.373	0.333	0.260	0.190

Lumen Output in Emergency Mode (4000K, 70 CRI)

Option	Dist. Type	Lumens
E15WH	R2	3,185
	R3	3,133
	R4	3,229
	RFT	3,162
E20WC	R2	3,669
	R3	3,609
	R4	3,719
	RFT	3,642

Lumen Multiplier for 80CRI

CCT	Multiplier
30K	0.891
40K	0.906
50K	0.906

Lumen Ambient Temperature (LAT) Multipliers

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

Ambient		Lumen Multiplier
0°C	32°F	1.05
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

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

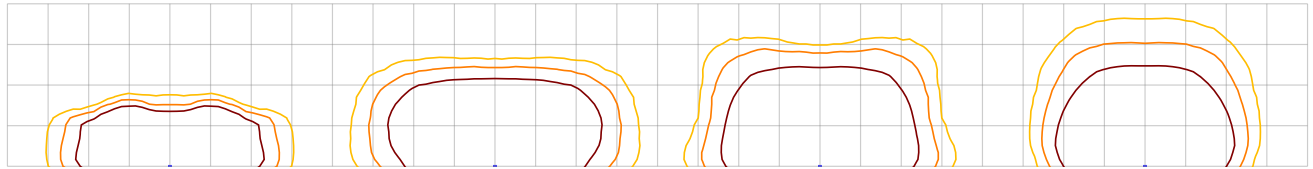
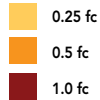
Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.98	>0.97	>0.92



Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting WDGE LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards.

LEGEND



MH = 15ft
Grid = 15ft x 15ft

WDGE3 LED P3 40K 70CRI R2

WDGE3 LED P3 40K 70CRI R3

WDGE3 LED P3 40K 70CRI R4

WDGE3 LED P3 40K 70CRI RFT

Emergency Egress Options

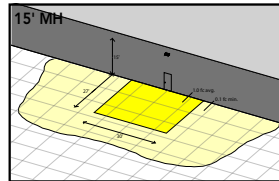
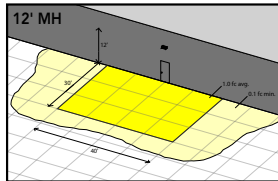
Emergency Battery Backup

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain, minimum of 60% of the light output at the end of 90 minutes.

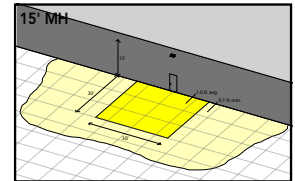
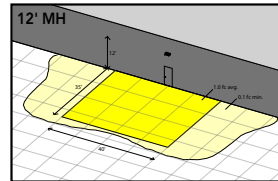
Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9

The examples below show illuminance of 1 fc average and 0.1 fc minimum in emergency mode with E15WH or E20WC and R4 distribution.

Grid = 10ft x 10ft



WDGE3 LED xx 40K 70CRI R4 MVOLT E15WH



WDGE3 LED xx 40K 70CRI R4 MVOLT E20WC

Motion/Ambient Sensor (PIR_, PIRH_)

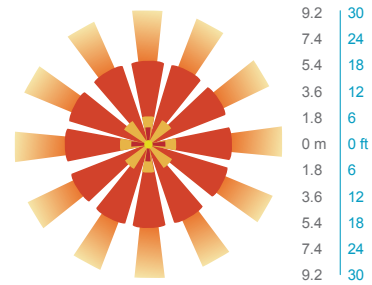
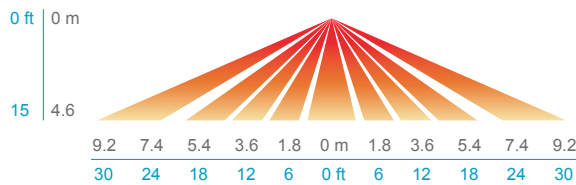
Motion/Ambient sensor (Sensor Switch MSOD) is integrated into the the luminaire. The sensor provides both Motion and Daylight based dimming of the luminaire. For motion detection, the sensor utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size motion while preventing false tripping from the environment. The integrated photocell enables additional energy savings during daytime periods when there is sufficient daylight. Optimize sensor coverage by either selecting PIR or PIRH option. PIR option comes with a sensor lens that is optimized to provide maximum coverage for mounting heights between 8-15ft, while PIRH is optimized for 15-40ft mounting height.

Networked Control (NLTAIR2)

nLight® AIR is a wireless lighting controls platform that allows for seamless integration of both indoor and outdoor luminaires. Five-tier security architecture, 900 MHz wireless communication and app (CLAIRITY™ Pro) based configurability combined together make nLight® AIR a secure, reliable and easy to use platform.

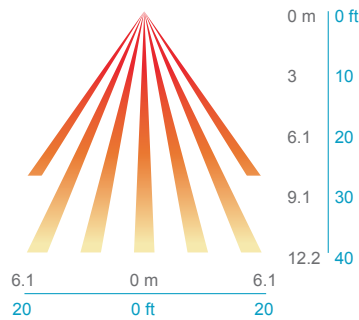
PIR

HIGH VIEW

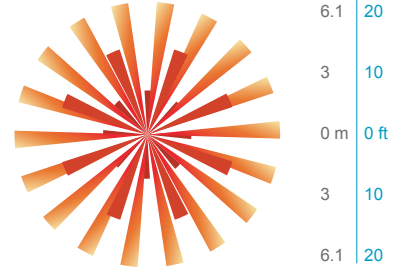


PIRH

SIDE VIEW



TOP VIEW



Motion/Ambient Sensor Default Settings

Option	Dim Level	High Level (when triggered)	Photocell Operation	Motion Time Delay	Ramp-down Time	Ramp-up Time
PIR or PIRH	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
PIR1FC3V, PIRH1FC3V	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 1fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
NLTAIR2 PIR, NLTAIR2 PIRH (out of box)	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	7.5 min	5 min	Motion - 3 sec Photocell - 45 sec



**NLTAIR2 PIR – nLight AIR
Motion/Ambient Sensor**

D = 8"

H = 11"

W = 18"



PBBW – Surface-Mounted Back Box
Use when there is no junction box available.

D = 1.75"

H = 9"

W = 18"



AWS – 3/8inch Architectural Wall Spacer

D = 0.38"

H = 4.4"

W = 7.5"

FEATURES & SPECIFICATIONS

INTENDED USE

Common architectural look, with clean rectilinear shape, of the WDGE LED was designed to blend with any type of construction, whether it be tilt-up, frame or brick. Applications include commercial offices, warehouses, hospitals, schools, malls, restaurants, and other commercial buildings.

CONSTRUCTION

The single-piece die-cast aluminum housing to optimize thermal transfer from the light engine and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP65 rating for the luminaire.

FINISH

Exterior painted parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS

Individually formed acrylic lenses are engineered for superior application efficiency which maximizes the light in the areas where it is most needed. Light engines are available in 3000 K, 4000 K or 5000 K configurations. The WDGE LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine consists of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L92/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire comes with built in 6kV surge protection, which meets a minimum Category C low exposure (per ANSI/IEEE C62.41.2).

INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The 3/8" Architectural Wall Spacer (AWS) can be used to create a floating appearance or to accommodate small imperfections in the wall surface. The ICW option can be used to mount the luminaire inverted for indirect lighting in dry and damp locations. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

LISTINGS

CSA certified to U.S. and Canadian standards. Light engines are IP66 rated; luminaire is IP65 rated. PIR options are rated for wet location. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified. International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature and SRM mounting only.

WARRANTY

5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.