



# RSX2 LED Area Luminaire

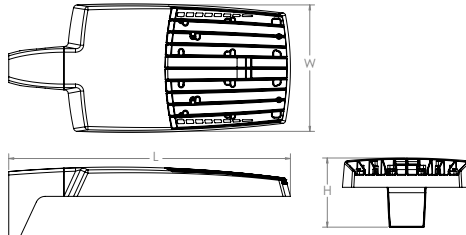


Catalog Number
Notes
Type

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

## Specifications

EPA (ft <sup>2</sup> @0°):	0.69 ft <sup>2</sup> (0.06 m <sup>2</sup> )
Length:	29.3" (74.4 cm) (SPA mount)
Width:	13.4" (34.0 cm)
Height:	3.0" (7.6 cm) Main Body 7.2" (18.3 cm) Arm
Weight:	30.0 lbs (13.6 kg) (SPA mount)



## 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 RSX2 delivers 11,000 to 31,000 lumens allowing it to replace 250W to 1000W 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.



Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit [www.acuitybrands.com/designselect](http://www.acuitybrands.com/designselect).

\*See ordering tree for details



## Ordering Information

**EXAMPLE:** RSX2 LED P6 40K R3 MVOLT SPA DDBXD

RSX2 LED					
Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting
RSX2 LED	P1	30K 3000K	R2 Type 2 Wide	MVOLT (120V-277V) <sup>2</sup>	SPA Square pole mounting (3.0" min. SQ pole for 1 at 90°, 3.5" min. SQ pole for 2, 3, 4 at 90°)
	P2	40K 4000K	R3 Type 3 Wide	HVOLT (347V-480V) <sup>3</sup>	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°)
	P3	50K 5000K	R3S Type 3 Short	XVOLT (277V-480V) <sup>4</sup>	MA Mast arm adaptor (fits 2-3/8" OD horizontal tenon)
	P4		R4 Type 4 Wide	(use specific voltage for options as noted)	IS Adjustable slipfitter (fits 2-3/8" OD tenon) <sup>6</sup>
	P5		R4S Type 4 Short	120 <sup>3</sup> 277 <sup>5</sup>	WBA Wall bracket <sup>1</sup>
	P6		R5 Type 5 Wide <sup>1</sup>	208 <sup>3</sup> 347 <sup>5</sup>	WBASC Wall bracket with surface conduit box
			R5S Type 5 Short <sup>1</sup>	240 <sup>3</sup> 480 <sup>5</sup>	AASP Adjustable tilt arm square pole mounting <sup>6</sup>
			AFR Automotive Front Row		AARP Adjustable tilt arm round pole mounting <sup>6</sup>
			AFRR90 Automotive Front Row Right Rotated		AAWB Adjustable tilt arm with wall bracket <sup>6</sup>
			AFRL90 Automotive Front Row Left Rotated		AAWSC Adjustable tilt arm wall bracket and surface conduit box <sup>6</sup>

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



## Ordering Information

### Accessories

Ordered and shipped separately.

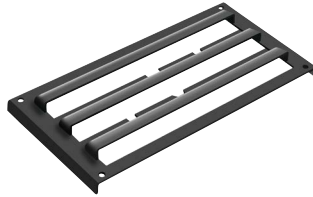
RSX2HS	RSX2 House side shield (includes 2 shields)
RSX2EGS (FINISH) U	External glare shield (specify finish)
RSX2HSAFRR (FINISH) U	RSX2 House side shields for AFR rotated optics (includes 2 shields)
RSX2EGFV (FINISH) U	External glare full visor (specify finish)
RSXRPA (FINISH) U	RSX Universal round pole adaptor plate (specify finish)
RSXWBA (FINISH) U	RSX WBA wall bracket (specify finish) <sup>1</sup>
RSXSGB (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) <sup>18</sup>
DLL347F 1.5 CUL JU	Photocell -SSL twist-lock (347V) <sup>18</sup>
DLL480F 1.5 CUL JU	Photocell -SSL twist-lock (480V) <sup>18</sup>
DSHORT SBK U	Shorting cap <sup>18</sup>

### 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. 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.
- 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.
- Two or more of the following options cannot be combined including PE, DMG, PER7, FAO, DS and NLTAIR2 PIRHN. Exception: PE and FAO can be combined; also PE and DMG can be combined.
- Compatible with standard twist-lock photocells for dusk to dawn operation or advanced control nodes that provide 0-10V dimming signals. Wire 4/Wire 5 wired to dimming leads on driver. Wire6/Wire7 capped inside luminaire. Twistlock photocell ordered and shipped

- as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
- For units with option PER7, the mounting must be restricted to +/- 45° from horizontal aim per ANSI C136.10-2010.
  - DS requires (2) separately switched circuits. DS provides 50/50 fixture operation via (2) different sets of leads using (2) drivers. DS only available with packages P5 and P6.
  - Must be ordered with PIRHN.
  - Requires MVOLT or HVOLT.
  - Must be ordered with NLTAIR2. For additional information on PIRHN visit [here](#).
  - CCE option not available with WBA, WBASC, AASP, AARP, AAWB, AAWBSC, EGS, EGFV and BS.
  - 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

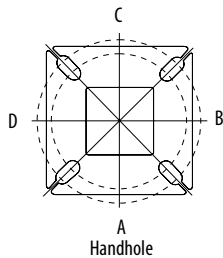


External 360 Full Visor

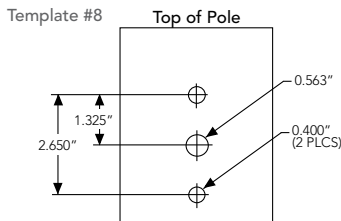
## Pole/Mounting Information

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](#).

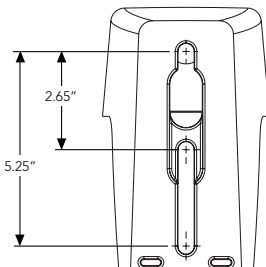
### HANDHOLE ORIENTATION



### RSX POLE DRILLING



### RSX STANDARD ARM & ADJUSTABLE ARM



### Round Tenon Mount - Pole Top Slipfitters










Tenon O.D.	RSX Mounting	Single	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 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

### RSX2 - Luminaire EPA

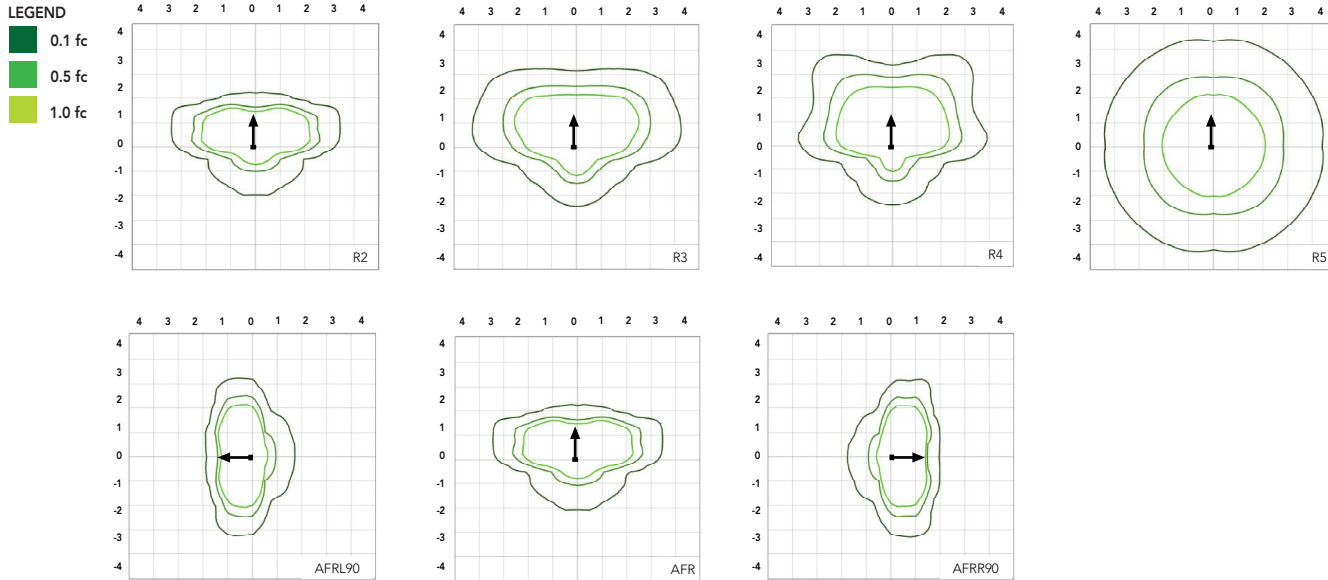
\*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

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 °	0.69	1.22	1.27	1.8	1.61	2.39	1.37	2.06	2.74
RPA - Round Pole Adaptor		0.74	1.27	1.37	1.9	1.71	2.49	1.42	2.16	2.84
MA - Mast Arm Adaptor		0.61	1.14	1.11	1.64	1.45	2.23	1.29	1.9	2.58
IS - Integral Slipfitter AASP/AARP - Adjustable Arm Square/Round Pole	0 °	0.69	1.22	1.27	1.8	1.61	2.39	1.37	2.06	2.74
	10º	0.53	1.06	1.05	1.58	1.37	2.08	1.06	1.59	2.12
	20º	0.52	1.02	1.03	1.52	1.33	2.02	1.03	1.55	2.07
	30º	0.64	1.11	1.18	1.63	1.45	2.21	1.27	1.91	2.54
	40º	0.81	1.21	1.35	1.74	1.65	2.39	1.62	2.43	3.23
	45º	0.91	1.25	1.5	1.81	1.75	2.48	1.82	2.73	3.64
	50º	1.34	1.83	2.17	2.61	2.56	3.62	2.68	4.02	5.36
	60º	2.2	2.97	3.57	4.24	4.17	5.89	4.41	6.61	8.82
	70º	2.86	4.13	4.7	5.89	5.71	8.21	5.71	8.57	11.42
	80º	3.4	5.13	5.67	7.34	7.09	10.21	6.79	10.19	13.59
90º	3.85	5.96	6.55	8.58	8.31	11.88	7.70	11.56	15.41	

## 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 RSX2 LED P6 40K. Distances are in units of mounting height (30').



## 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	71W	0.59	0.34	0.30	0.26	0.20	0.15
P2	111W	0.93	0.53	0.46	0.40	0.32	0.23
P3	147W	1.23	0.70	0.61	0.53	0.42	0.31
P4	187W	1.55	0.90	0.78	0.68	0.53	0.38
P5	210W	1.75	1.01	0.87	0.76	0.60	0.44
P6	244W	2.03	1.17	1.01	0.88	0.70	0.51

### 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.

## 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.

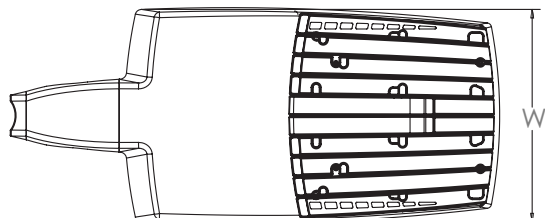
Performance Package	System Watts	Distribution Type	30K (3000K, 70 CRI)						40K (4000K, 70 CRI)						50K (5000K, 70 CRI)					
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW			
P1	71W	R2	10,040	2	0	1	139	11,031	2	0	1	153	11,031	2	0	1	153			
		R3	10,005	2	0	2	141	10,992	2	0	2	155	10,992	2	0	2	155			
		R3S	10,271	2	0	2	143	11,285	2	0	2	157	11,285	2	0	2	157			
		R4	10,136	2	0	2	143	11,136	2	0	2	157	11,136	2	0	2	157			
		R4S	9,779	2	0	2	138	10,744	2	0	2	151	10,744	2	0	2	151			
		R5	10,271	4	0	2	145	11,285	4	0	2	159	11,285	4	0	2	159			
		R5S	10,544	3	0	1	149	11,585	3	0	2	163	11,585	3	0	2	163			
		AFR	10,026	2	0	1	141	11,016	2	0	1	155	11,016	2	0	1	155			
		AFRR90	10,122	3	0	2	140	11,121	3	0	2	154	11,121	3	0	2	154			
		AFRL90	10,164	3	0	2	141	11,167	3	0	2	155	11,167	3	0	2	155			
P2	111W	R2	15,712	2	0	2	138	17,263	2	0	2	151	17,263	2	0	2	151			
		R3	15,657	2	0	3	141	17,202	3	0	3	155	17,202	3	0	3	155			
		R3S	16,075	2	0	2	141	17,661	2	0	2	155	17,661	2	0	2	155			
		R4	15,862	2	0	3	143	17,427	2	0	3	157	17,427	2	0	3	157			
		R4S	15,304	2	0	2	138	16,815	2	0	2	151	16,815	2	0	2	151			
		R5	16,075	4	0	2	145	17,661	5	0	3	159	17,661	5	0	3	159			
		R5S	16,502	4	0	2	149	18,130	4	0	2	163	18,130	4	0	2	163			
		AFR	15,691	2	0	2	141	17,240	2	0	2	155	17,240	2	0	2	155			
		AFRR90	15,841	3	0	3	139	17,404	4	0	3	153	17,404	4	0	3	153			
		AFRL90	15,907	3	0	3	139	17,477	4	0	3	153	17,477	4	0	3	153			
P3	147W	R2	19,855	3	0	2	132	21,814	3	0	2	145	21,814	3	0	2	145			
		R3	19,785	3	0	3	135	21,737	3	0	4	148	21,737	3	0	4	148			
		R3S	20,312	3	0	3	135	22,317	3	0	3	149	22,317	3	0	3	149			
		R4	20,044	3	0	3	136	22,022	3	0	4	150	22,022	3	0	4	150			
		R4S	19,339	3	0	3	132	21,247	3	0	3	145	21,247	3	0	3	145			
		R5	20,313	5	0	3	138	22,317	5	0	3	152	22,317	5	0	3	152			
		R5S	20,852	4	0	2	142	22,910	4	0	2	156	22,910	4	0	2	156			
		AFR	19,828	3	0	2	135	21,785	3	0	2	148	21,785	3	0	2	148			
		AFRR90	20,017	4	0	3	133	21,992	4	0	3	147	21,992	4	0	3	147			
		AFRL90	20,101	4	0	3	134	22,084	4	0	3	147	22,084	4	0	3	147			
P4	187W	R2	22,836	3	0	2	120	25,090	3	0	2	132	25,090	3	0	2	132			
		R3	22,756	3	0	4	122	25,002	3	0	4	134	25,002	3	0	4	134			
		R3S	23,363	3	0	3	123	25,668	3	0	3	135	25,668	3	0	3	135			
		R4	23,054	3	0	4	123	25,329	3	0	4	135	25,329	3	0	4	135			
		R4S	22,243	3	0	3	119	25,059	3	0	3	134	25,059	3	0	3	134			
		R5	23,363	5	0	3	125	25,669	5	0	4	137	25,669	5	0	4	137			
		R5S	23,983	4	0	2	128	26,350	4	0	2	141	26,350	4	0	2	141			
		AFR	22,806	3	0	2	122	25,056	3	0	2	134	25,056	3	0	2	134			
		AFRR90	23,023	4	0	3	121	25,295	4	0	3	133	25,295	4	0	3	133			
		AFRL90	23,120	4	0	3	122	25,401	4	0	3	134	25,401	4	0	3	134			
P5	210W	R2	26,141	3	0	2	122	28,721	3	0	2	135	28,721	3	0	2	135			
		R3	26,049	3	0	4	124	28,620	3	0	4	136	28,620	3	0	4	136			
		R3S	26,744	3	0	3	125	29,383	3	0	4	138	29,383	3	0	4	138			
		R4	26,390	3	0	4	126	28,994	3	0	4	138	28,994	3	0	4	138			
		R4S	25,462	3	0	3	121	27,974	3	0	3	133	27,974	3	0	3	133			
		R5	26,744	5	0	4	127	29,383	5	0	4	140	29,383	5	0	4	140			
		R5S	27,454	4	0	2	131	30,163	4	0	2	144	30,163	4	0	2	144			
		AFR	26,106	3	0	2	124	28,682	3	0	2	137	28,682	3	0	2	137			
		AFRR90	26,354	4	0	3	123	28,955	5	0	3	136	28,955	5	0	3	136			
		AFRL90	26,465	4	0	3	124	29,077	5	0	3	136	29,077	5	0	3	136			
P6	244W	R2	27,646	3	0	2	112	30,374	3	0	2	123	30,374	3	0	2	123			
		R3	27,549	3	0	4	113	30,267	3	0	4	124	30,267	3	0	4	124			
		R3S	28,283	3	0	3	115	31,075	3	0	4	126	31,075	3	0	4	126			
		R4	27,909	3	0	4	114	30,663	3	0	4	126	30,663	3	0	4	126			
		R4S	26,928	3	0	3	110	29,585	3	0	3	121	29,585	3	0	3	121			
		R5	28,284	5	0	4	116	31,075	5	0	4	127	31,075	5	0	4	127			
		R5S	29,035	4	0	2	119	31,900	5	0	3	131	31,900	5	0	3	131			
		AFR	27,608	3	0	2	112	30,332	3	0	2	123	30,332	3	0	2	123			
		AFRR90	27,872	4	0	3	113	30,622	5	0	3	124	30,622	5	0	3	124			
		AFRL90	27,989	4	0	3	113	30,751	5	0	3	125	30,751	5	0	3	125			

## Dimensions & Weights

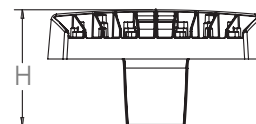
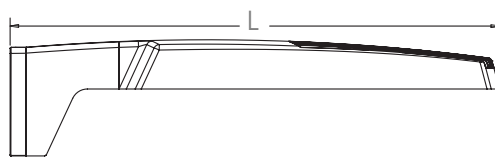
### Luminaire Weight by Mounting Type

Mounting Configuration	Total Luminaire Weight
SPA	30 lbs
RPA	32 lbs
MA	30 lbs
WBA	33 lbs
WBASC	36 lbs
IS	33 lbs
AASP	33 lbs
AARP	35 lbs
AAWB	36 lbs
AAWSC	39 lbs

### RSX2 with Round Pole Adapter (RPA)



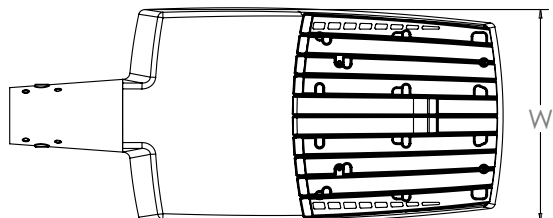
Length: 30.3" (77.0 cm)  
 Width: 13.4" (34.0 cm)  
 Height: 3.0" (7.6 cm) Main Body  
 7.2" (18.3 cm) Arm



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



### RSX2 with Mast Arm Adapter (MA)



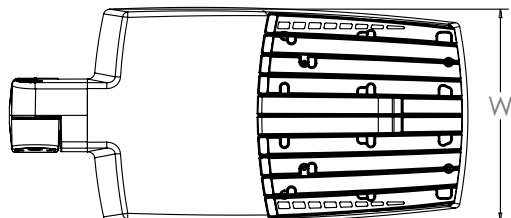
Length: 30.6" (77.7 cm)  
 Width: 13.4" (34.0 cm)  
 Height: 3.0" (7.6 cm) Main Body  
 3.5" (8.9 cm) Arm



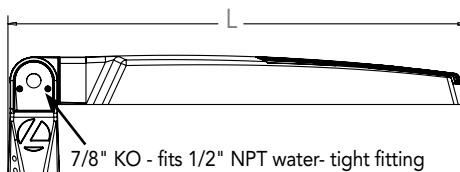
7/16" locking thru bolt/nut provided



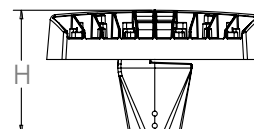
### RSX2 with Adjustable Slipfitter (IS)



Length: 28.3" (71.9 cm)  
 Width: 13.4" (34.0 cm)  
 Height: 3.0" (7.6 cm) Main Body  
 7.6" (19.3 cm) Arm

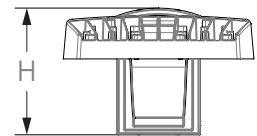
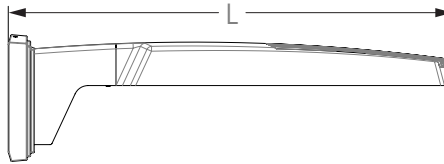
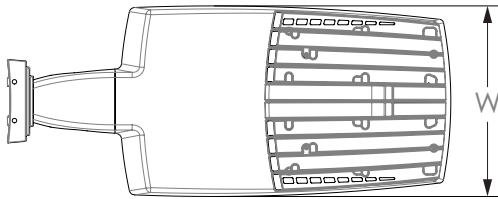


7/8" KO - fits 1/2" NPT water-tight fitting



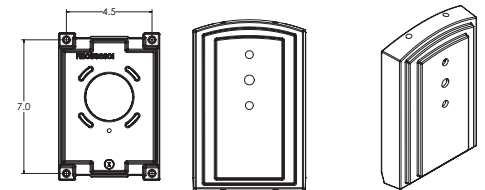
## Dimensions

### RSX2 with Wall Bracket (WBA)

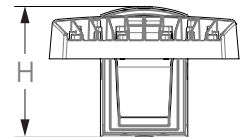
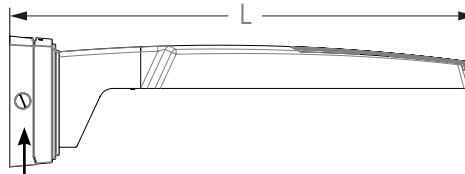
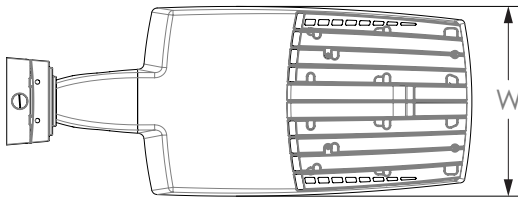


Length: 31.2" (79.2 cm)  
 Width: 13.4" (41.7 cm)  
 Height: 3.0" (7.6 cm) Main Body  
 8.9" (22.6 cm) Arm

#### Wall Bracket (WBA) Mounting Detail



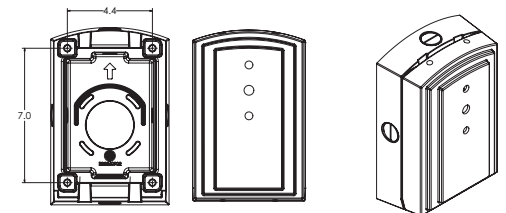
### RSX2 with Wall Bracket with Surface Conduit Box (WBASC)



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

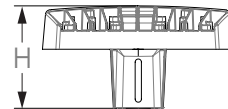
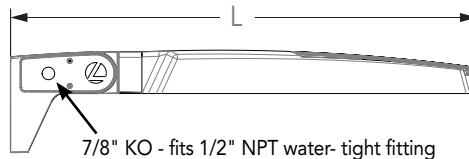
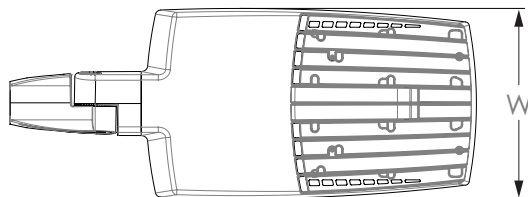
Length: 32.8" (83.3 cm)  
 Width: 13.4" (41.7 cm)  
 Height: 3.0" (7.6 cm) Main Body  
 9.2" (23.4 cm) Arm

#### Surface Conduit Box (SCB) Mounting Detail

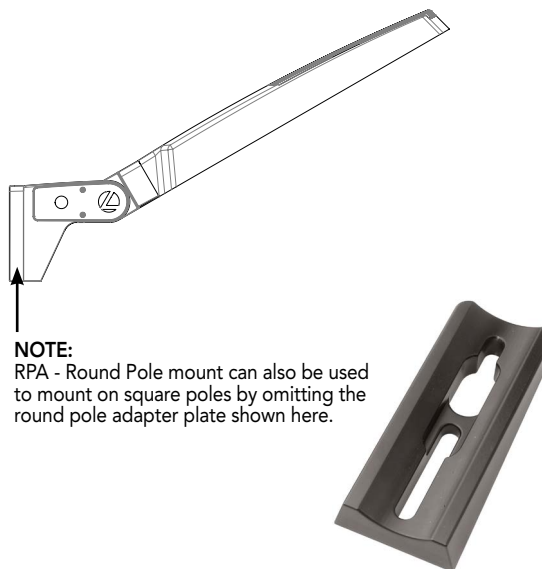


## Dimensions

### RSX2 with Adjustable Tilt Arm - Square or Round Pole (AASP or AARP)



Length: 32.8" (83.3 cm) **AASP**  
 33.8" (85.9 cm) **AARP**  
 Width: 13.4" (34.0 cm)  
 Height: 3.0" (7.6 cm) Main Body  
 7.2" (18.2 cm) Arm



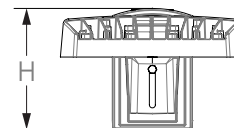
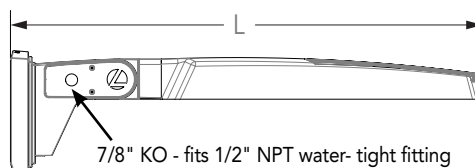
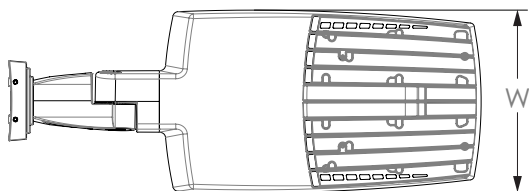
**NOTE:**  
 RPA - Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.

#### Notes

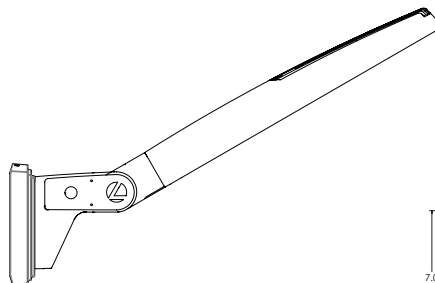
AASP: Requires 3.0" min. square pole for 1 at 90°. Requires 3.5" min. square pole for mounting 2, 3, 4 at 90°.

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°.

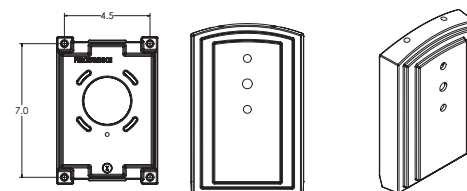
### RSX2 with Adjustable Tilt Arm with Wall Bracket (AAWB)



Length: 34.7" (88.0 cm)  
 Width: 13.4" (34.0 cm)  
 Height: 3.0" (7.6 cm) Main Body  
 8.9" (22.6 cm) Arm

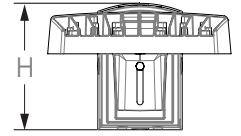
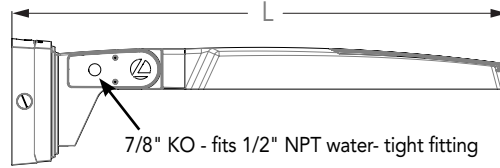
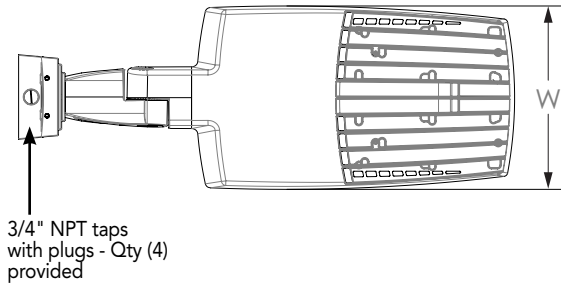


#### Wall Bracket (WBA) Mounting Detail

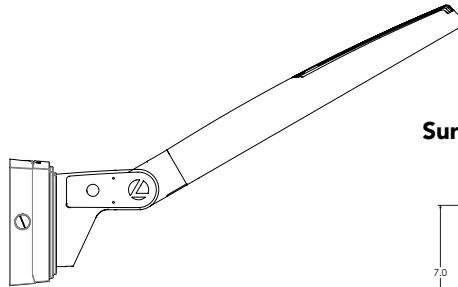


## Dimensions

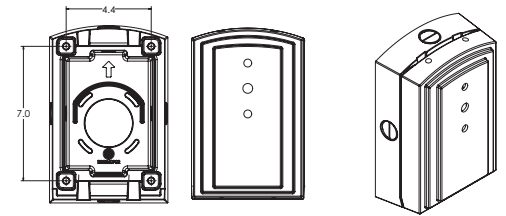
### RSX2 with Adjustable Tilt Arm with Wall Bracket and Surface Conduit Box (AAWSC)



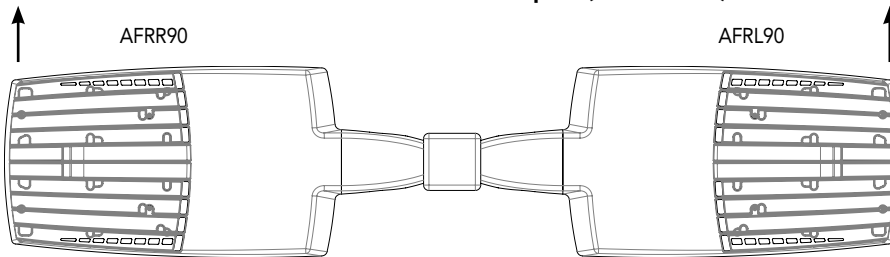
Length: 36.2" (91.9 cm)  
Width: 13.4" (40.0 cm)  
Height: 3.0" (7.6 cm) Main Body  
9.2" (23.4 cm) Arm



### Surface Conduit Box (SCB) Mounting Detail



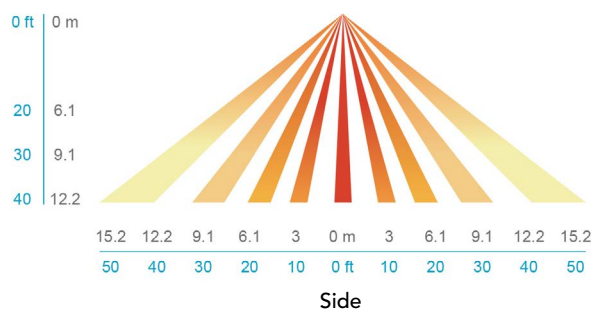
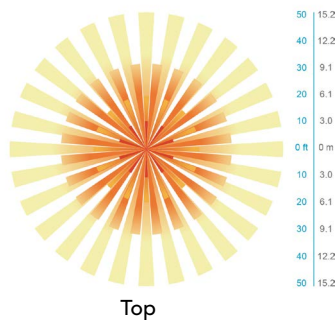
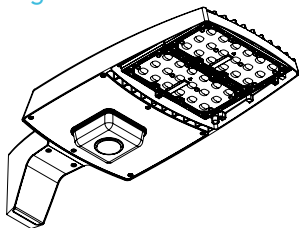
### Automotive Front Row - Rotated Optics (AFRL90/R90)



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

## nLight Control - Sensor Coverage and Settings

### NLTAIR2 PIRHN nLight Sensor Coverage Pattern nLight PIRHN



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 RSX2 delivers 11,000 to 31,000 lumens and is ideal for replacing 250W to 1000W HID pole-mounted luminaires in parking lots and other area lighting applications.

### CONSTRUCTION AND DESIGN

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. Vibration rated per ANSI C136.31: 3G Mountings: Include SPA, RPA, MA, IS, AASP, 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 warranted 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.

### COASTAL CONSTRUCTION (CCE)

Optional corrosion resistant construction is engineered with added corrosion protection in materials and/or pre-treatment of base material under super durable paint. Provides additional corrosion protection for applications near coastal areas. Finish is salt spray tested to over 5,000 hours per ASTM B117 with scribe rating of 10. Additional lead-times apply.

### 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. Fixtures ship standard with 0-10v dimming driver. 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 photocontrol 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](http://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. US Patent No. D882, 146S

### GOVERNMENT PROCUREMENT

BAA – Buy America(n) Act: Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations. BABA – Build America Buy America: Product with the BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America Act. Please refer to [www.acuitybrands.com/buy-american](http://www.acuitybrands.com/buy-american) for additional information.

### WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: [www.acuitybrands.com/support/warranty/terms-and-conditions](http://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.

