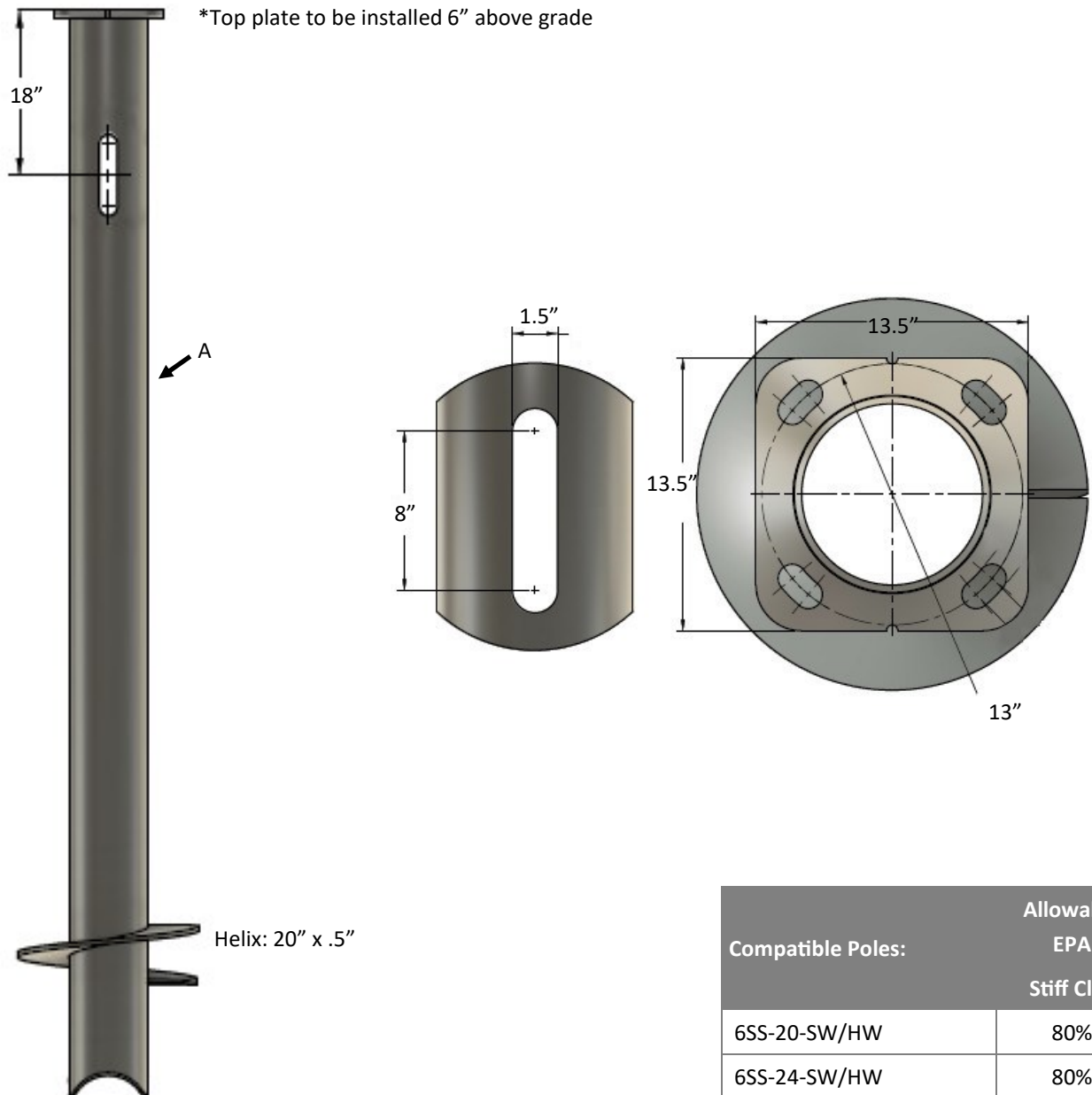


Date:	
Job Name:	
City:	
Quantity:	

10.75" Helical Pile—10HP



Finish: Galvanized

Pile #	Diameter (in)	A—Shaft	
		Height (ft)	Wall thickness (in)
10HP-10	10.75	10.5	.365

Compatible Poles:	Allowable EPA Stiff Clay
6SS-20-SW/HW	80%
6SS-24-SW/HW	80%
6SS-30-HW/XW	90%
6SS-35-HW/HX	90%
6RS-20-SW/HW	90%
6RS-24-SW/HW	90%
6RS-30-HW/XW	90%
6RS-35-HW/XW	90%

OVERVIEW

The nLight® AIR rPODLA is a wireless, line-powered wall switch that provides a user with local control of a lighting zone. These single gang decorator style devices have soft-click buttons and a green LED indicator for each button. The rPODLA wall switches communicate with other nLight AIR devices via radio frequency (RF). A line-powered wall switch can work with any nLight AIR enabled fixture or power pack to provide toggle switch operation with multi-pole and preset scene control. Wall switches with the DX option have the added ability to adjust the level of any nLight AIR controlled dimmable light fixture or on/off/dimming control of a single zone for preset scene switches.

FEATURES

- Communicates with nLight® AIR devices via radio frequency (RF) in the 900MHz spectrum
- Soft-click push-button control with LED feedback upon press
- Remotely configurable/upgradeable
- Single pole or two pole on/off control with optional raise/lower option ("DX" option)
- 2 or 4 preset scene control fully configurable via CLAIRITY™+ mobile app
- Maximum of 16 total preset scenes per nLight AIR group
- Wireless multi location preset scene recall and on/off/dimming control

CUSTOM BUTTON ENGRAVING

- Custom lettering for units can be specified and ordered at: [nGrave Form](#)
- To ensure color uniformity, ordering templates facilitate specifying all buttons on a unit as custom lettered. Replacing single buttons is not recommended
- Custom buttons will ship separately and require field installation

Warranty

Five-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

Note: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning when used with Acuity Brands controls products.

All configurations of this luminaire are calibrated and tested to meet the Acuity Brands' specifications for chromatic consistency – including color rendering, color fidelity, and color temperature tolerance around standard CIE chromaticity coordinates.

To learn more about Acuity A+ standards, specifications, and testing visit www.acuitybrands.com/aplus.



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.

*See ordering tree for details



nLight® AIR rPODLA: Wireless Line Powered Wall Switches



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Note: nLight® AIR devices are only compatible with other nLight AIR enabled devices and are not cross compatible with other nLight product lines at this time.

ORDERING INFORMATION

rPODLA										Example: RPODLA 2P DX MVOLT WH G2									
Series		Poles & Scenes		Dimming Control		Voltage ⁴		Color		Generation									
RPODLA		[blank] 2P	Single Pole Two Pole	[blank] DX	On/off Control On/off + Raise/Lower Control	MVOLT 347	120-277 VAC 347 VAC	WH IV	White Ivory	G2 Generation 2 Compatibility									
		2S	Two Preset Scene Control					AL GY	Light Almond Gray										
		4S	Four Preset Scene Control					RD BK	Red Black										

ORDERING INFORMATION

MVOLT versions of the rPODLA switches are shipped with wall plates. The following order information is available to acquire replacement MVOLT wall plates.

Wall Plate - Additional or Replacement						
Series	# of Gangs		Color			Packaging
WS XPODA Wall Plates (Standard)	1 GNG	Single Gang	WH	White	AL ² Light Almond	[blank] Single Unit ³
SSW Sealed Covers			IV	Ivory	BK ² Black	M5 ² 5 Pack
			GY ²	Gray	RD Red	M6 ^{1,2} 6 Pack

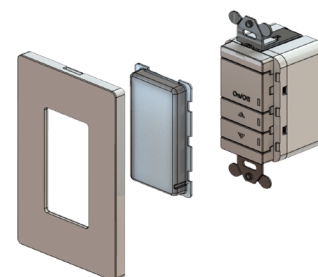
Accessories	
SSW 1GNG WH	Sealed screwless wall plate to prevent liquid intrusion, white
SSW 1GNG IV	Sealed screwless wall plate to prevent liquid intrusion, ivory
SSW 1GNG RD	Sealed screwless wall plate to prevent liquid intrusion, red

1. Available only for variety pack.
2. Not available for SSW series.
3. Single units only available for SSW series.
4. Matching wall plate provided for MVOLT 120-277 VAC units ONLY.

WALL SWITCH CLEANING

It will occasionally be necessary to clean the wall switches. All rPODLA switches may be wiped down with a soft cloth or paper towel dampened with glass cleaner, vinegar and water, hydrogen peroxide, or a mild abrasive. Spray a limited amount on the cloth or paper towel prior to applying. Do not spray cleaner on the switches directly, and do not wipe the switches down with a towel saturated (drips when wrung out) with cleaner.

If the ability to clean the switches using chemical spray disinfectants is desired, we recommend the use of the Sealed Screwless Wall Plate (SSW). The Sealed Screwless Wall Plate is a cover for the standard wall plate, designed with an IP54 rating. It consists of a transparent silicone rubber layer that covers the wall switch to prevent liquids from entering the wall switch while maintaining a tactile button feel. The Sealed Screwless Wall Plate is the ideal solution to prevent liquids from entering the wall switch while maintaining a tactile button feel. The Sealed Screwless Wall Plate is the ideal solution to help protect a wall switch from fluid entering the device while enabling the use of disinfectants recommended by the EPA for use against SARS-CoV-2, the coronavirus that causes COVID-19, which often require spraying or saturating the surface.

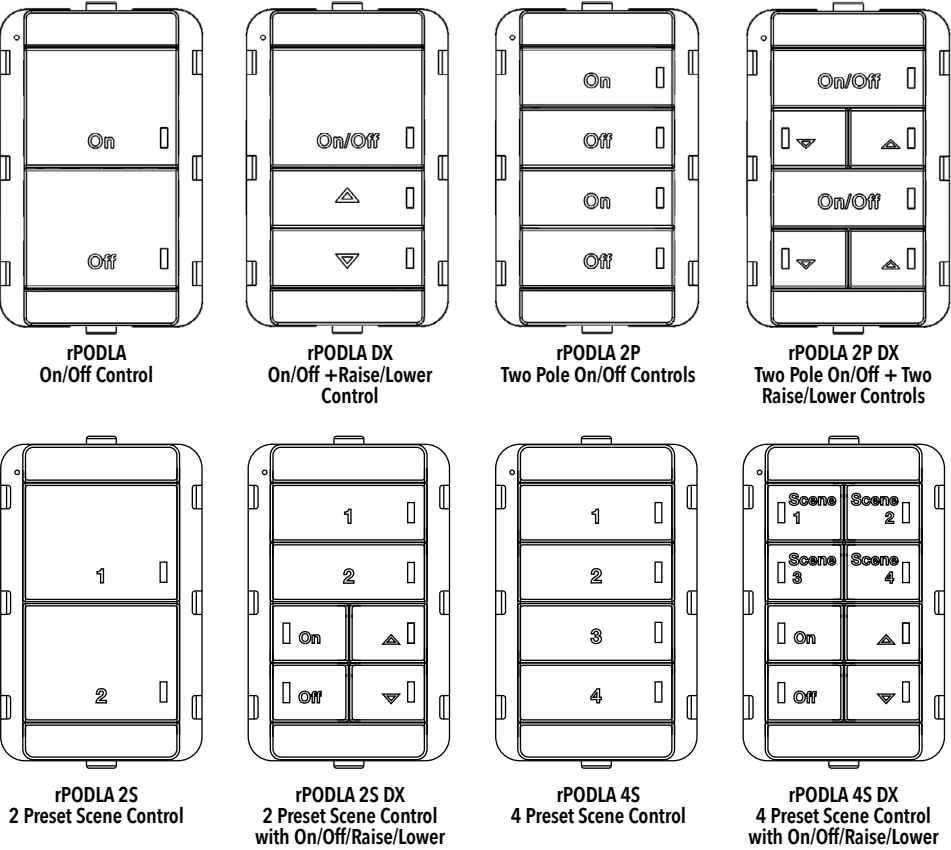


For more information on the [Sealed Screwless Wall Plates](#)

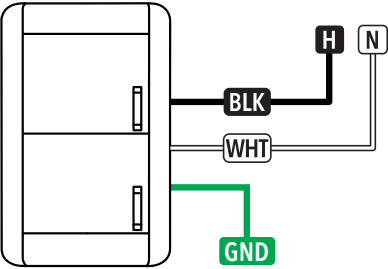
SPECIFICATIONS

Dimensions	2.74" H x 1.68" W x 1.78" D (6.96 cm x 4.27 cm x 4.52 cm)
Weight	4.25 oz
Mounting	Single Gang Switch Box or Low Voltage Ring
Color	White, Ivory, Lt. Almond, Gray, Red, Black
Operating Temperature	32°F to 140°F (0°C to 60°C)
Relative Humidity	Standard: 20 to 75% non-condensing
Input Power	< 1 watt
Radio Frequency	Dual Radio: 900Mhz & 2.4GHz
RF Transmit Power	900Mhz: +20dBm; 2.4GHz: Variable
Wireless Standard	900MHz: IEEE 802.15.4-based 2.4GHz: Version 4.0+ of the Bluetooth specification
Wireless Range	900MHz: Up to 1,000 ft. (~304m) in free space/ line of sight Minimum of 150 ft through typical construction 2.4GHz: Up to 60 ft. (~18m) in free space/ line of sight
Security	Application Data Encryption: AES-128 bit Mutual Entity Authentication Message Confidentiality Message Authentication and Replay Prevention Limited Anonymity
Regulatory Compliance	FCC ID: 2ADCB-RMODIT3 IFETEL, RoHS IC: 6715C-RMODIT3 IFETEL: RCPNLNL20-2057 cULus
Programming Tool	CLAIRITY+ mobile app

DEFAULT LABELING



WIRING



OVERVIEW

The rPP PCD power pack is an adaptive phase control dimmer that delivers significant performance and design versatility. It is designed to control large phase dimmed loads, controlling forward-phase-dimming and reverse-phase-dimming loads as large as 16A at 120VAC and 277VAC. Long range wireless communication and the rPP PCD's ability to control full circuits make this device ideal for controlling phase-dimmed loads in both new construction and renovation projects.

FEATURES

- Provides phase dimming control for 2-wire dimming fluorescent, electronic low voltage, incandescent, and magnetic low voltage loads¹
- Controls loads as small as 0A and as high as 16A at 120VAC and 277VAC
- Power monitoring is standard via current measurement with +/- 2% accuracy
- Intelligently selects appropriate dimming method
- Optional built-in, UL 924 compliant emergency options for simpler installation
- Meets NEMA SSL 7A for flicker-free dimming performance²
- Includes a replaceable fuse, which protects the device from overload and short circuit faults
- Programmable return to last state capability

Warranty

Five-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

Note: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.



rPP PCD
Phase Adaptive
Dimming Power
Pack



ORDERING INFORMATION

rPP PCD EFP G2									
Series		Emergency		Fault Protection		Territory Compliance		Generation	
rPP PCD	Phase Adaptive Dimming Power Pack	[blank]	None	EFP	External Fault Protection	[blank]	None	G2	Generation 2 compatibility
		ER	UL 924 Emergency Operation, via power sense leads			CP	Chicago Plenum		
		EM ³	UL 924 emergency operation, via separate normal power sensing device						

ACCESSORIES	
NPP FUSE J10	Replacement Fuse

- Notes:
1. See Output Ratings section for supported loads, load sizes, and dimming types.
 2. Meets NEMA SSL 7A when operating in forward-phase mode with Low Trim Level set to 24V. 120VAC applications only.
 3. EM devices require an nLight AIR device in the same group to be connected to normal power for wireless normal power detection. See the UL 924 Response section for more information.

SPECIFICATIONS

Electrical	Input Ratings	120-277VAC, 50/60 Hz
	Relay Type	Zero-cross, Latching
	Class Rating	Class 1
	Current Monitoring	Minimum Current required to ensure +/- 2% Accuracy
Mechanical	Dimensions	4.82"H x 4.72"W x 3.53"D (122mm x 120mm x 90mm) - includes heat sink and 3/8" chase nipple
	Weight	24oz
	Mounting	1/2" Knockout (7/8" hole)
	Wires	12 AWG stranded
	Enclosure Color	White (standard), Red (ER & EM)
Environmental	Warrantied Operating Temperature	Standard: -20°C to 50°C (-4°F to 122°F) Standard: -20°C to 40°C (-4°F to 104°F) if installed within an enclosure
	Relative Humidity	Up to 90%, Non-Condensing
General	Standards/ Ratings	System Component to aid in compliance with Title 24, ASHRAE 90.1, IECC
	NEMA	NEMA SSL 7A NEMA 410
	cULus	UL 916 (E167435) UL 924 (EM & ER) UL 2043
	CSA	CSA-22.2 No. 141-15
	RoHS	Compliant
	Security	Application Data Encryption: AES-128 bit Mutual Entity Authentication Message Confidentiality Message Authentication and Replay Prevention Limited Anonymity Complies with California Civil Code Title 1.81.26, Security of Connected Devices, approved under Senate Bill No. 327 (2018)
	Radio Frequency	Dual Radio: 900MHz & 2.4GHz
	RF Transmit Power	900MHz: up to 20dBm 2.4GHz: up to 10.4 dBm
	Wireless Standard	900MHz: IEEE 802.15.4-based 2.4GHz: Version 4.0+ of the Bluetooth specification
	Wireless Range	900MHz: Up to 1,000 ft. (~304m) in free space/ line of sight Minimum of 150 ft through typical construction 2.4GHz: Up to 60 ft. (~18m) in free space/ line of sight
	Regulatory Compliance	FCC ID: 2ADCB-RMODIT3 IC: 6715C-RMODIT3 IFETEL: RCPNLLN20-2057
	Programming Tool	CLAIRITY™ + Mobile App

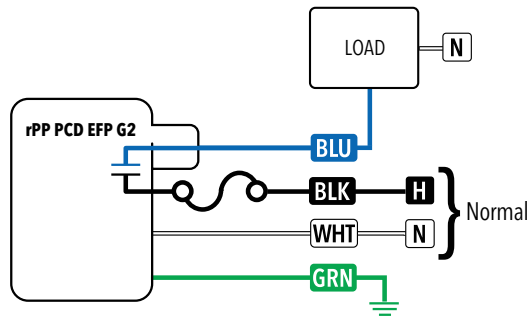
Output Ratings

Device Type	RPP PCD, NO ENCLOSURE	RPP PCD, NO ENCLOSURE	RPP PCD IN ENCLOSURE	RPP PCD IN ENCLOSURE
Ambient Temperature	-20°C to 40°C	-20°C to 50°C	-20°C to 40°C	-20°C to 50°C
Operating Voltage	120VAC - 277VAC	120VAC - 277VAC	120VAC - 277VAC	120VAC - 277VAC
General Purpose	16A	14A	12A	10A
Incandescent (Tungsten)	16A	14A	12A	10A
Magentic Low Voltage (Inductive)	16A	14A	12A	10A
Electronic Low Voltage (Non-Inductive)	16A	14A	12A	10A

Note: Where enclosures are required, such as for Chicago Plenum, enclosure dimensions should not be smaller than 12"x12"x6", and only contain one rPP PCD per enclosure.

WIRING (Do Not Wire Hot)

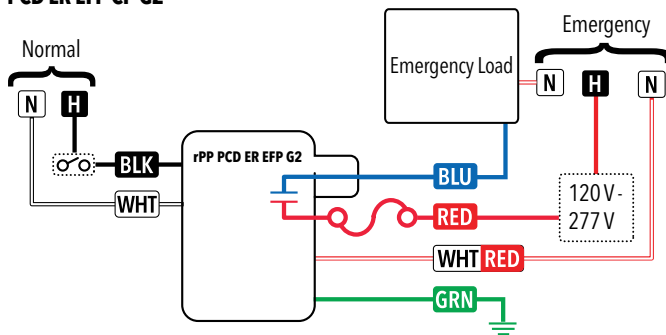
rPP PCD EFP G2 rPP PCD EFP CP G2



Legend

BLK - Unswitched Hot 120-277
WHT - Neutral
BLU - Switched Output
GRN - Ground

rPP PCD ER EFP G2 rPP PCD ER EFP CP G2



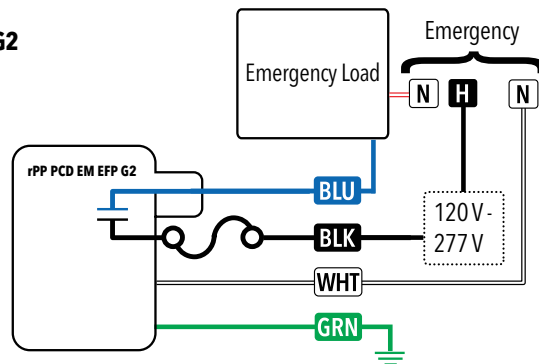
Legend

RED - Unswitched Emergency Hot 120-277
WHT/RED - Emergency Neutral
BLK - Unswitched Normal Hot 120-277
WHT - Norm. Neutral
BLU - Switched Output
GRN - Ground
Optional Test Switch (by others)

UL924 Sequence of Operation: nLight AIR Devices with ER Option

- ER devices use an unswitched normal hot to detect the presence of normal power.
- ER devices will remain at their high-end trim and ignore wireless lighting control commands when normal power is not present on the unswitched normal hot.

rPP PCD EM EFP G2 rPP PCD EM EFP CP G2



Legend

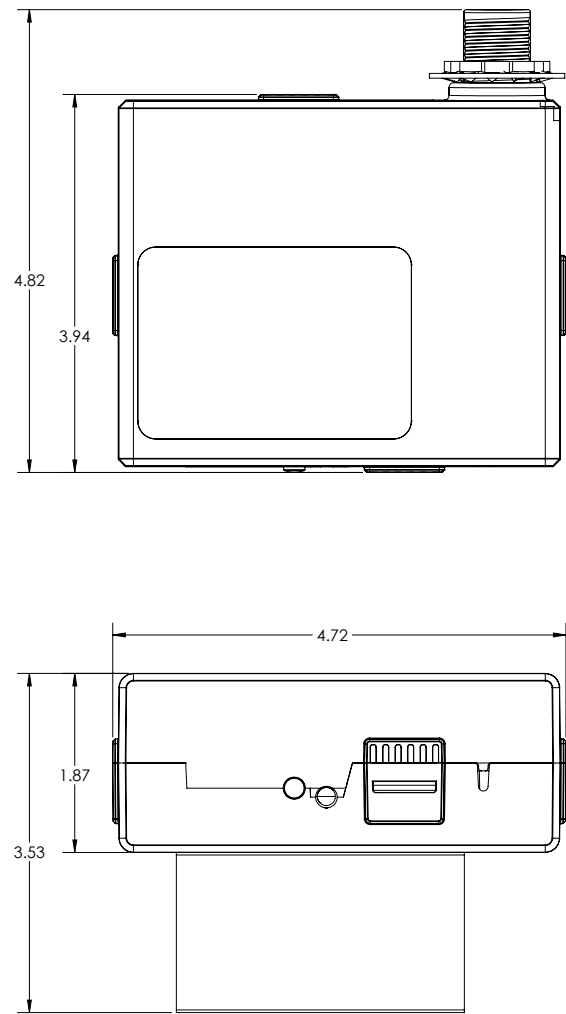
BLK - Unswitched Emergency Hot 120-277
WHT - Emergency Neutral
BLU - Switched Output
GRN - Ground

UL 924 Response - nLight AIR Devices with EM Option

The below information applies to all nLight AIR devices with an EM option.

- EM devices will remain at their high-end trim and ignore wireless lighting control commands, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds.
- Using the CLAIRITY™+ mobile app, EM devices must be associated with a group that includes a normal power sensing device to receive NPS broadcasts.
- Only non-emergency rPP20, rLSXR, rSBOR, rSDGR, rPP PCD, and nLight AIR luminaires with version 3.4 or later firmware can provide normal power sensing for EM devices. See specification sheets for control devices and luminaires for more information on options that support normal power sensing.

DIMENSIONS





RSX2 LED Area Luminaire

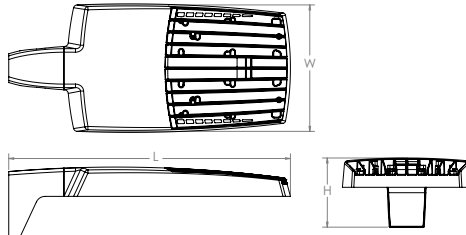


Catalog Number
Notes
Type

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

Specifications

EPA (ft²@0°):	0.69 ft² (0.06 m²)
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: (SPA mount)	30.0 lbs (13.6 kg)



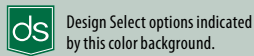
Introduction

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 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.
*See ordering tree for details



Ordering Information

EXAMPLE: RSX2 LED P6 40K R3 MVOLT SPA DDBXD

Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting
RSX2 LED	P1 P2 P3 P4 P5 P6	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} PER7 Seven-wire twist-lock receptacle only (no controls) ^{9,10,11} 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 DMG 0-10V dimming extend out back of housing for external control (control ordered separate) ⁹ DS Dual switching ^{9,12}	DDBXD Dark Bronze DBLXD Black DNAXD Natural Aluminum DWHXD White DDBTXD Textured Dark Bronze DBLBXD Textured Black DNATXD Textured Natural Aluminum DWHGXD Textured White
Shipped Installed *Standalone and Networked Sensors/Controls (factory default settings, see table page 9) NLTAIR2 PIRHN nLight AIR generation 2, with Networked, Bi-Level motion/ambient sensor ^{9,13,14,15} BAA Buy America(n) Act and/or Build America Buy America Qualified CCE Coastal Construction ¹⁶ *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. 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	



Ordering Information

Accessories

Ordered and shipped separately.

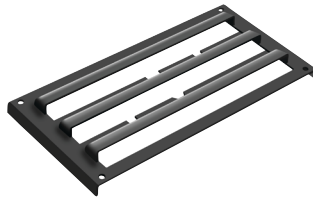
RSX2HS	RSX2 House side shield (includes 2 shields)
RSX2EGS (FINISH) U	External glare shield (specify finish)
RSX2HSAFRR (FINISH) U	RSX2 House side shields for AFR rotated optics (includes 2 shields)
RSX2EGFV (FINISH) U	External glare full visor (specify finish)
RSXRPA (FINISH) U	RSX Universal round pole adaptor plate (specify finish)
RSXWBA (FINISH) U	RSX WBA wall bracket (specify finish) ¹
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) 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. 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

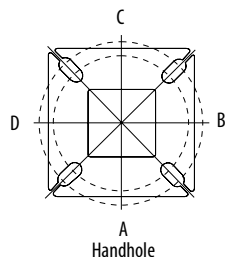


External 360 Full Visor

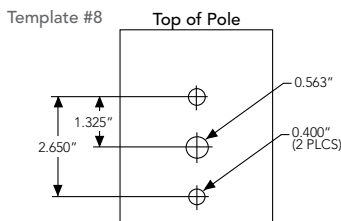
Pole/Mounting Information

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](#).

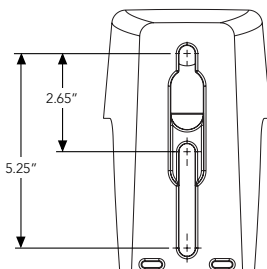
HANDHOLE ORIENTATION



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

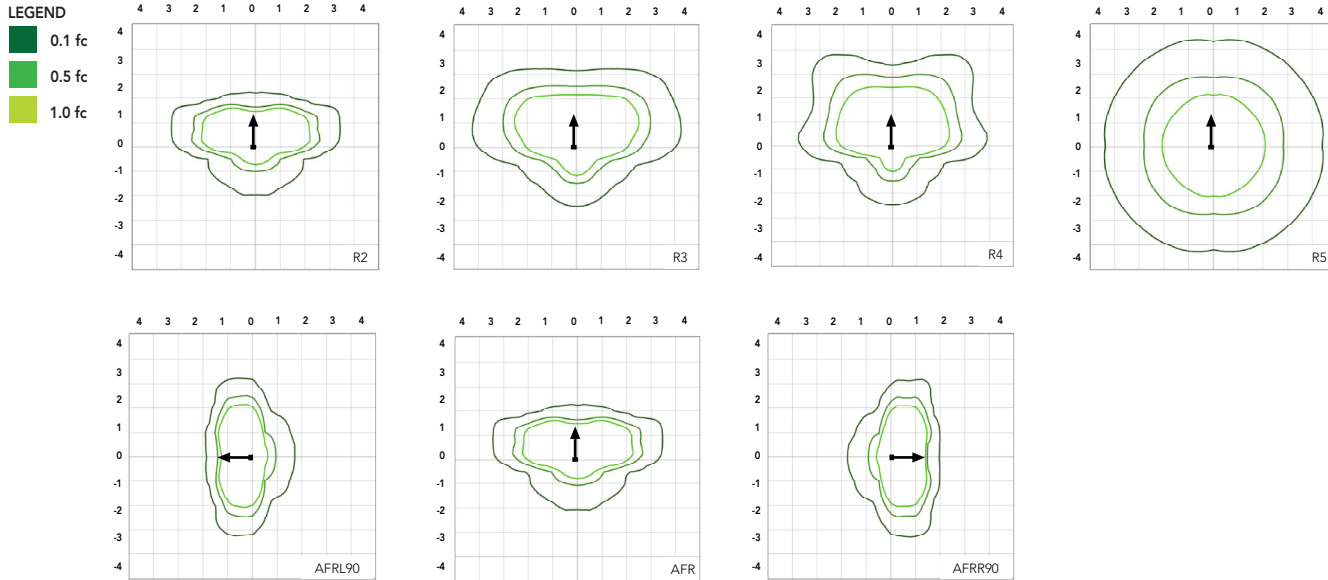
*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

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
	10°	0.53	1.06	1.05	1.58	1.37	2.08	1.06	1.59	2.12
	20°	0.52	1.02	1.03	1.52	1.33	2.02	1.03	1.55	2.07
	30°	0.64	1.11	1.18	1.63	1.45	2.21	1.27	1.91	2.54
	40°	0.81	1.21	1.35	1.74	1.65	2.39	1.62	2.43	3.23
	45°	0.91	1.25	1.5	1.81	1.75	2.48	1.82	2.73	3.64
	50°	1.34	1.83	2.17	2.61	2.56	3.62	2.68	4.02	5.36
	60°	2.2	2.97	3.57	4.24	4.17	5.89	4.41	6.61	8.82
	70°	2.86	4.13	4.7	5.89	5.71	8.21	5.71	8.57	11.42
	80°	3.4	5.13	5.67	7.34	7.09	10.21	6.79	10.19	13.59
90°	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.

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.

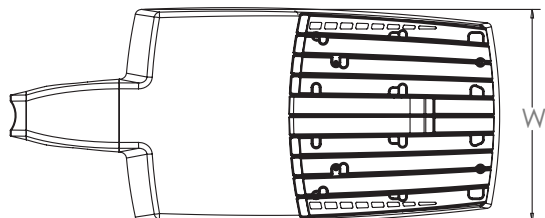
Performance Package	System Watts	Distribution Type	30K (3000K, 70 CRI)						40K (4000K, 70 CRI)						50K (5000K, 70 CRI)					
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW			
P1	71W	R2	10,040	2	0	1	139	11,031	2	0	1	153	11,031	2	0	1	153			
		R3	10,005	2	0	2	141	10,992	2	0	2	155	10,992	2	0	2	155			
		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

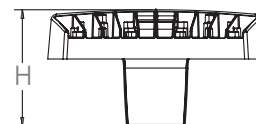
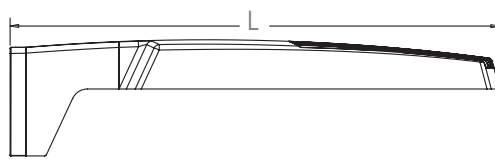
Luminaire Weight by Mounting Type

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)



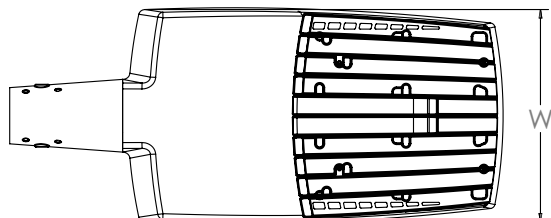
Length: 30.3" (77.0 cm)
 Width: 13.4" (34.0 cm)
 Height: 3.0" (7.6 cm) Main Body
 7.2" (18.3 cm) Arm



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)



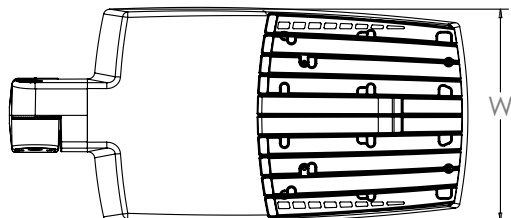
Length: 30.6" (77.7 cm)
 Width: 13.4" (34.0 cm)
 Height: 3.0" (7.6 cm) Main Body
 3.5" (8.9 cm) Arm



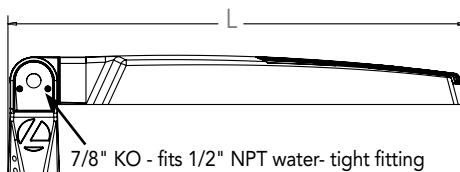
7/16" locking thru bolt/nut provided



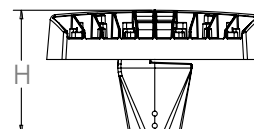
RSX2 with Adjustable Slipfitter (IS)



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

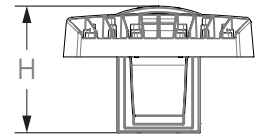
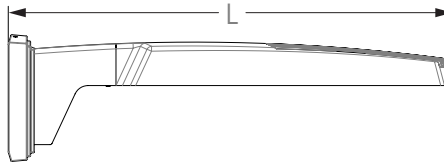
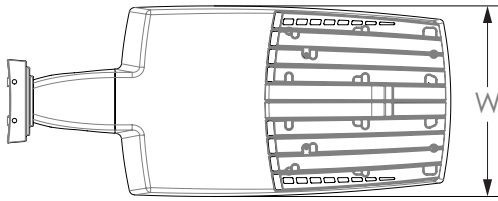


7/8" KO - fits 1/2" NPT water-tight fitting



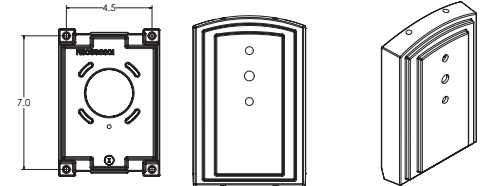
Dimensions

RSX2 with Wall Bracket (WBA)

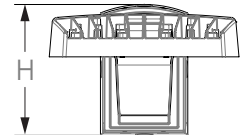
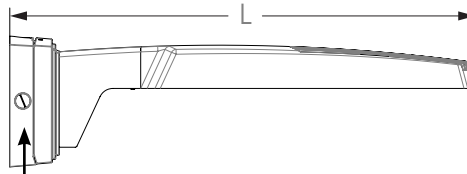
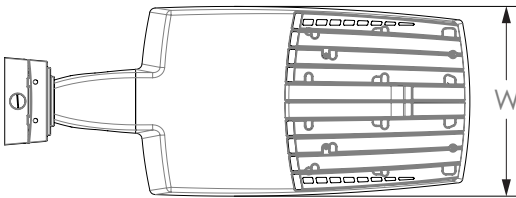


Length: 31.2" (79.2 cm)
 Width: 13.4" (41.7 cm)
 Height: 3.0" (7.6 cm) Main Body
 8.9" (22.6 cm) Arm

Wall Bracket (WBA) Mounting Detail



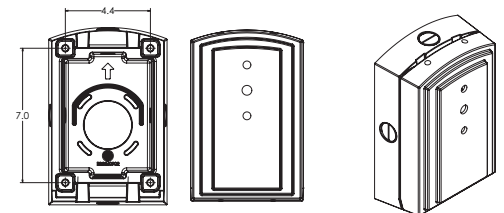
RSX2 with Wall Bracket with Surface Conduit Box (WBASC)



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

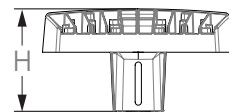
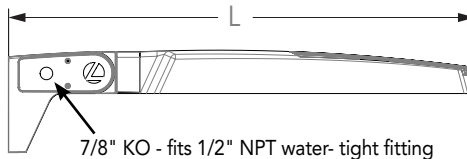
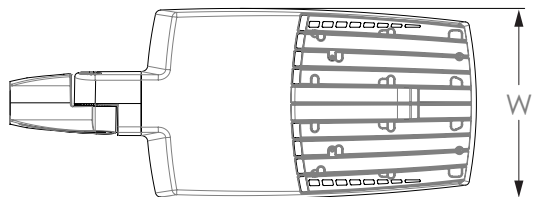
Length: 32.8" (83.3 cm)
 Width: 13.4" (41.7 cm)
 Height: 3.0" (7.6 cm) Main Body
 9.2" (23.4 cm) Arm

Surface Conduit Box (SCB) Mounting Detail

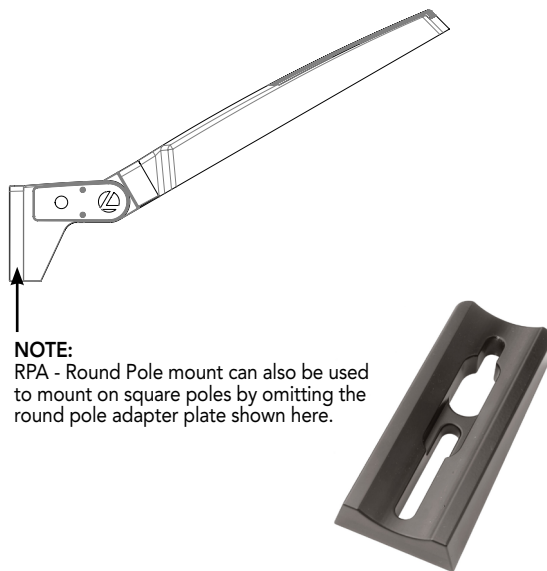


Dimensions

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



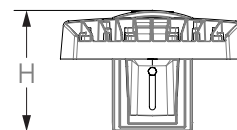
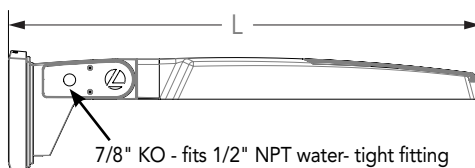
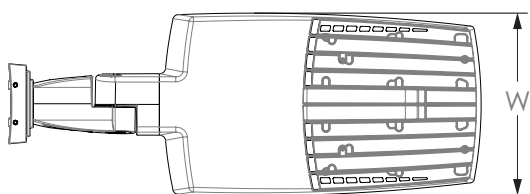
NOTE:
 RPA - Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.

Notes

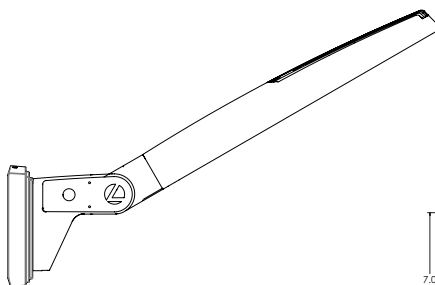
AASP: Requires 3.0" min. square pole for 1 at 90°. Requires 3.5" min. square pole for mounting 2, 3, 4 at 90°.

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°.

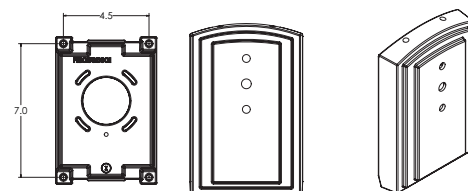
RSX2 with Adjustable Tilt Arm with Wall Bracket (AAWB)



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

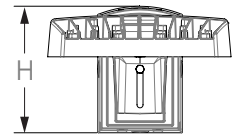
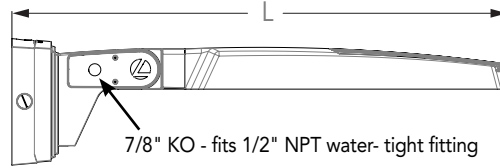
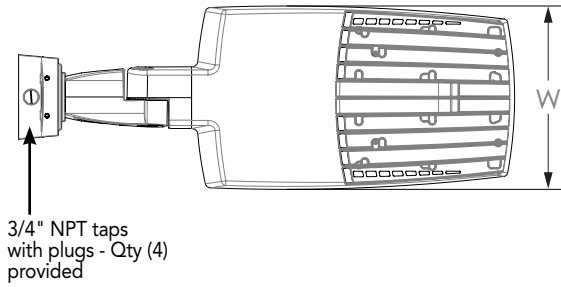


Wall Bracket (WBA) Mounting Detail

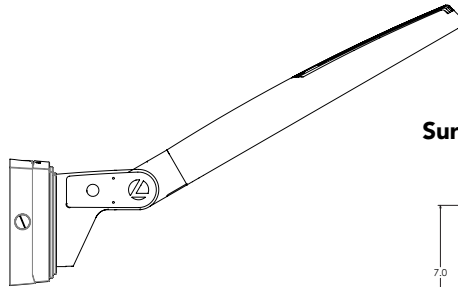


Dimensions

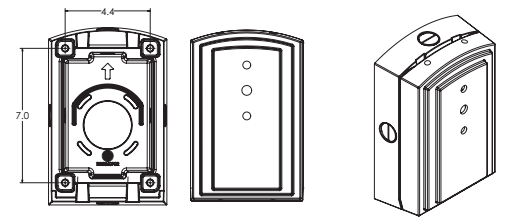
RSX2 with Adjustable Tilt Arm with Wall Bracket and Surface Conduit Box (AAWSC)



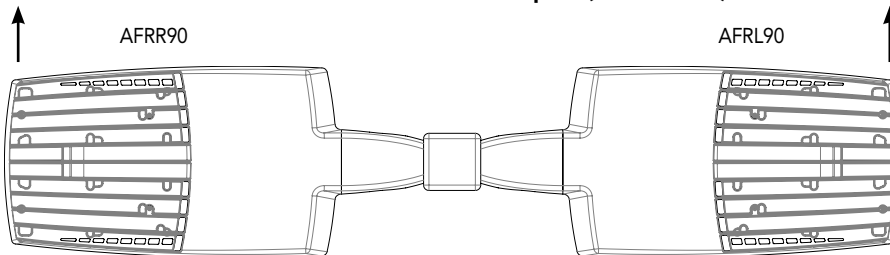
Length: 36.2" (91.9 cm)
Width: 13.4" (40.0 cm)
Height: 3.0" (7.6 cm) Main Body
9.2" (23.4 cm) Arm



Surface Conduit Box (SCB) Mounting Detail



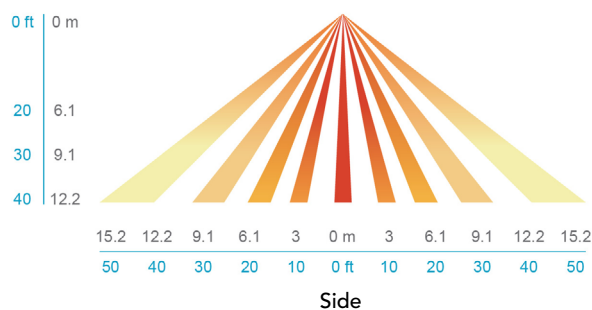
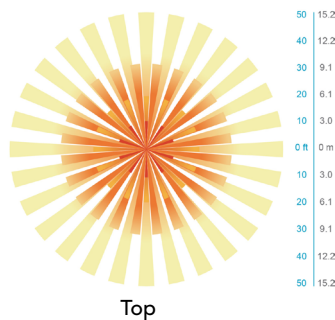
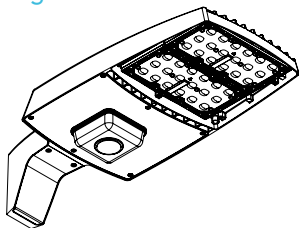
Automotive Front Row - Rotated Optics (AFRL90/R90)



(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 Clarity 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 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 for additional information.

WARRANTY

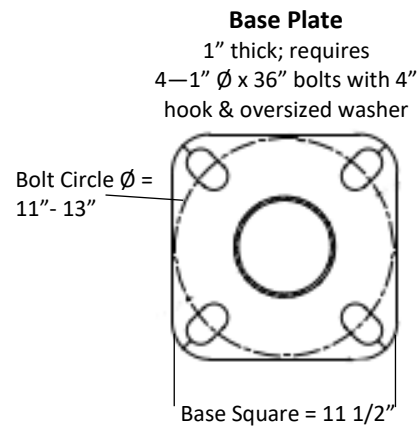
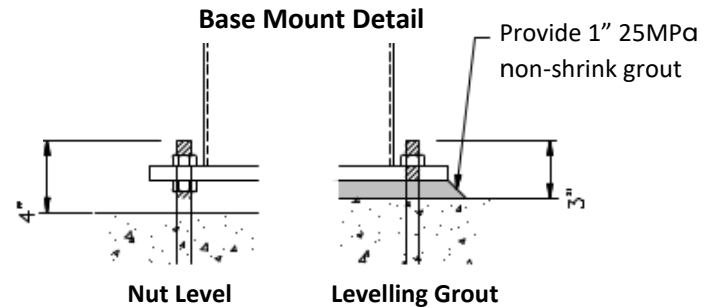
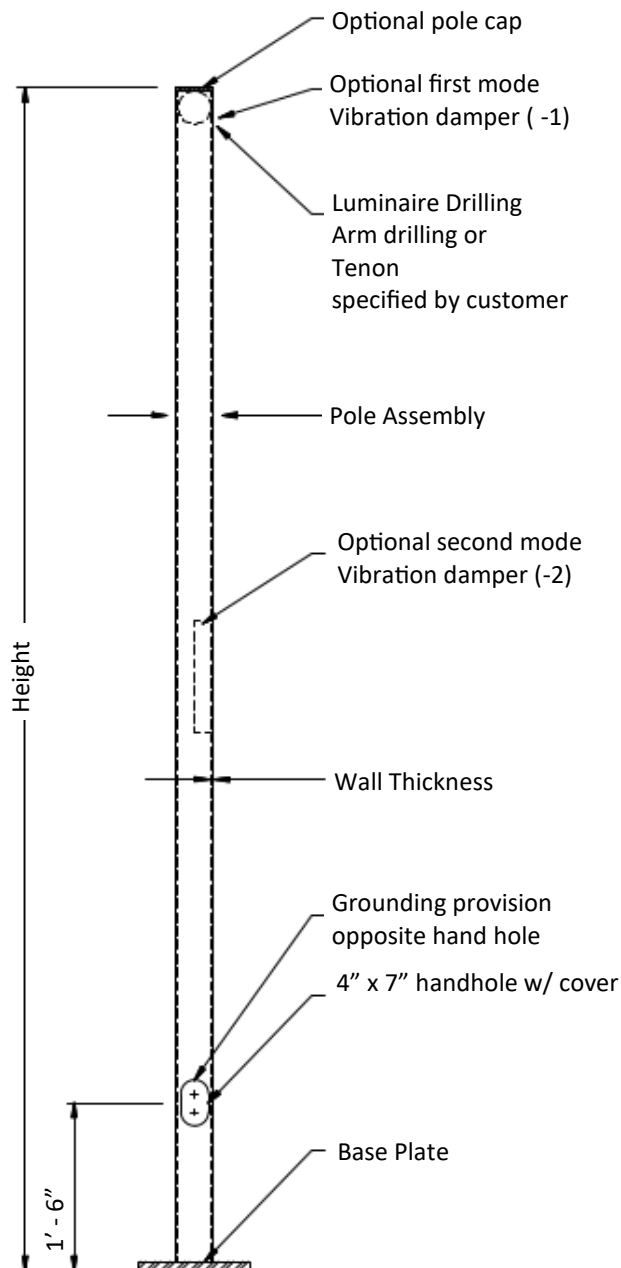
5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

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.



Date:	
Job Name:	
City:	
Quantity:	

6.625" Round Straight Steel Pole—6.6RS



Custom base plate with bolt circle up to 18" diameter upon request.

Fixture Info:

Quantity:		Mounting:	
Combined EPA (sq ft):		Combined Weight:	

Available Finishes: Galvanized | Armor Coat Black | Armor Coat Bronze
Custom Color Powder Coat: _____ | Zinc Primer
Custom Base: _____
Other Options: _____

Pole #	Diameter (in)	Height (ft)	Wall thickness (in)	Vibration Damper	Weight (lbs)	Maximum EPA (sq ft)			
						80MPH	90MPH	100 MPH	110 MPH
6.6RS-24-250-0	6.625	24	.250	0	690	35	27	21	10