South Ripley Solar Project Lighting Plan

Matter No. 21-00750

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Lighting Plan and Profile Drawings
Manufacturer Cut Sheets

1.1 Overview

This Lighting Plan details the anticipated permanent emergency and security lighting that will be implemented at the Facility. Permanent security lighting shall be installed at the proposed collection substation, operations and maintenance (O&M) building, and the proposed battery energy storage system (BESS), as needed and required by applicable state and local standards. Additional permanent lighting has also been proposed at the point of interconnection (POI), a new POI 3-ring breaker switchyard tapping the existing National Grid 230 kV transmission system that will be owned and operated by National Grid upon the commencement of Project operations. However, lighting at the new POI switchyard will be finalized during detailed design with coordination with the interconnection utility owner, National Grid. The exterior lighting proposed for the Facility is limited to that required for health, safety, security, emergencies, and operational purposes, and will be designed to be appropriate for its intended tasks to avoid and minimize off-site lighting effects to the maximum extent practicable. All permanent emergency and security lighting has been designed to utilize full cutoff fixtures, with no drop-down optical elements to minimize the potential spread of illumination and the potential to create glare. All maintenance inspections will require periodic checks of security lighting functionality and any security lighting that fails inspection shall be promptly replaced. The lighting of specific Facility components is described in the following sections.

1.2 Solar Photovoltaic Array Lighting

Solar Photovoltaic Arrays (PV Arrays) are not anticipated to include permanent lighting, thus avoiding the potential of off-site lighting impacts across the Facility Site. In the event maintenance work is required within the arrays at night, portable temporary task lighting will be utilized as needed for health, safety, and

operational purposes.

1.3 Collection Substation and POI Switchyard Lighting

Emergency and security lighting for the collection substation and POI switchyard will be provided by pole mounted lighting (30-foot mounting height) as depicted, and location of which are shown, in the attached Lighting Plan and Profile Drawings as well as Appendix 5-D of the 94-c Application (drawings SRS-E-214-01-SUP_A, SRS-E-214-02-SUP_A, and SRS-E-214-03-SUP_A). The new lighting fixtures within the collection substation (see drawing SRS-E-214-01-SUP_A) will consist of approximately eight 263-Watt modular downcast LED floodlights shielded to reduce light trespass, providing 33,300 lumens per fixture. These fixtures, or an equivalent, will be purchased from General Electric or a similar manufacturer. Manufacturer cut sheets of the proposed lighting fixtures are attached below. These lights have been designed to provide lighting coverage throughout the fenced area of the collection substation as well as at the entrance gates. The installed lights will utilize automatic activation dependent on light sensitive switches (with manual activation as a potential alternative) to minimize environmental and community impacts while providing Facility personnel with illumination for operation and maintenance under normal conditions, and a means of ingress/egress under emergency conditions.

The new lighting fixtures within the POI switchyard are expected to consist of approximately twelve 263-Watt modular downcast LED floodlights shielded to reduce light trespass, providing 33,300 lumens per fixture (see drawing SRS-E-214-02-SUP_A). These fixtures, or equivalent, will be purchased from General Electric or a similar manufacturer (see manufacturer cut sheets attached). The Applicant will coordinate with the existing utility owner, National Grid, through the New York Independent System Operator (NYISO) Interconnection Process to complete final detailed design of the POI and associated lighting equipment. National Grid will be the owner and operator of the new POI switchyard, and thus will be responsible for the maintenance and operation of lighting within National Grid property lines.

In addition, and in compliance with national, state, and local standards, lighting above doorways to the collection substation control building will be provided (see Section 1.4 below for more information). These fixtures will be 12-Watt downcast flood lights, shielded to reduce light trespass, and will be purchased from General Electric or an equivalent manufacturer.

1.4 O&M Building Lighting

The O&M Building (which will also act as the collection substation control building) will be located within the fence line of the collection substation. In compliance with national, state, and local standards, lighting above doorways to the O&M building will be provided (see Appendix 5-D, drawing SRS-E-211-05_SUP). These fixtures will be 12-Watt downcast flood lights, shielded to reduce light trespass,and will be purchased from General Electric or an equivalent manufacturer (see manufacturer cut sheets attached). The fixtures installed will utilize automatic activation dependent on light sensitive switches (with manual activation as a potential alternative) to minimize environmental and community impacts while ensuring Facility personnel with illumination for operation and maintenance under normal conditions and means of ingress/egress under

emergency conditions. Additionally, the O&M building is located within the substation fence line, thus will be lighted per the plans described in Section 1.3.

The Facility will also include two external O&M equipment storage containers adjacent to the collection substation and BESS. In compliance with national, state, and local standards, lighting will be provided for operation and maintenance under normal conditions and a means of ingress/egress under emergency conditions to the O&M equipment storage. Given the proximity of the O&M equipment storage yard to the BESS, the lighting of the O&M yard is included within the BESS lighting diagram, described below in Section 1.5.

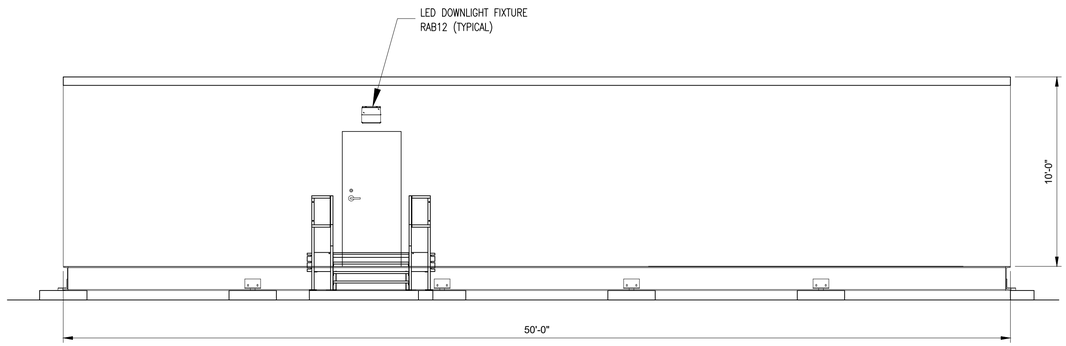
1.5 BESS and O&M Yard Lighting

Emergency and security lighting for the BESS and O&M storage containers will be provided by pole mounted lighting (30-foot mounting height) as depicted, and location of which are shown in the attached Lighting Plan and Profile Drawings (drawing SRS-BESS-LP-001-SUP_A). The new lighting fixtures will consist of ten 71-Watt modular downcast LED floodlights shielded to reduce light trespass, providing 10,271 lumens per fixture. These fixtures, or equivalent, will be purchased from Lithonia or a similar manufacturer (see manufacturer cut sheets attached). The installed lights will utilize automatic activation dependent on light sensitive switches (with manual activation as a potential alternative) to minimize environmental and community impacts system while providing Facility personnel with illumination for operation and maintenance under normal conditions and a means of ingress/egress under emergency conditions.

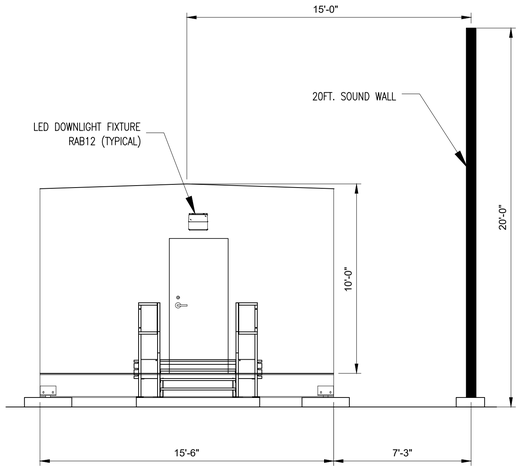
1.6 Construction or Temporary Task Lighting

If needed, construction or temporary task lighting (including during Facility operation) will be designed to be placed at the lowest practical height and directed to the ground and/or work areas to avoid being cast skyward or over long distances, incorporate shields and/or louvers where practicable, and be capable of manual or auto-shut off switch activation rather than motion detection.

Lighting Plan and Profile Drawings



SECTION G
1/4"=1'-0"
210-01A



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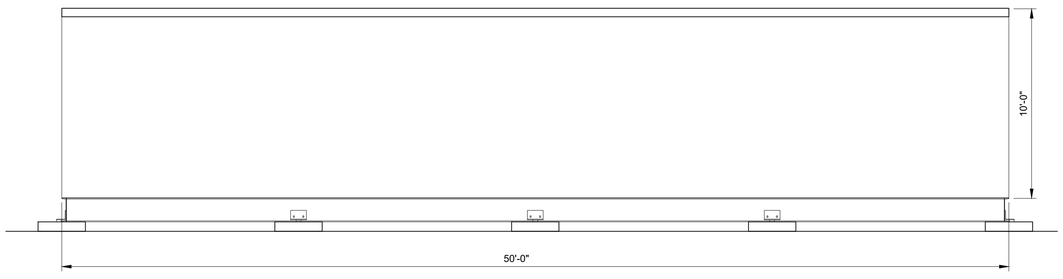

SECTION J
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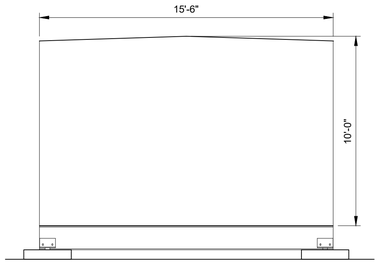

SECTION K
1/4"=1'-0"
210-01A

CONCEPTUAL-NOT FOR CONSTRUCTION

Notes

1. THE EQUIPMENT AND LAYOUT SHOWN IS FOR CONCEPTUAL USE ONLY.
2. ELECTRICAL EQUIPMENT WILL UTILIZE GALVANIZED STEEL MATERIAL AND EQUIPMENT COLOR WILL BE NATURAL GALVANIZED STEEL, WHITE OR ANSI GREY. FINAL MATERIAL TYPE AND FINISH COLOR DETAILS WILL BE UPDATED DURING DETAILED DESIGN.
3. SOUND WALL WILL UTILIZE NATURAL STONE OR FLAT PRECAST MATERIAL WITH A GREY, NATURAL, OR TAN COLOR (OR SIMILAR). FINAL MATERIAL TYPE AND FINISH COLOR DETAILS WILL BE UPDATED DURING FINAL DESIGN.

Legend

20' WALL

Reference Drawings

Rev	Date	Drawn	Description	Ch'k'd	App'd
C	01/07/2022	DT	ISSUED FOR 94-C	DH	KS
B	12/08/2021	DT	ISSUED FOR REVIEW	DH	KS
A	11/24/2021	DT	ISSUED FOR REVIEW	DH	KS

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Client

South Ripley SOLAR PROJECT

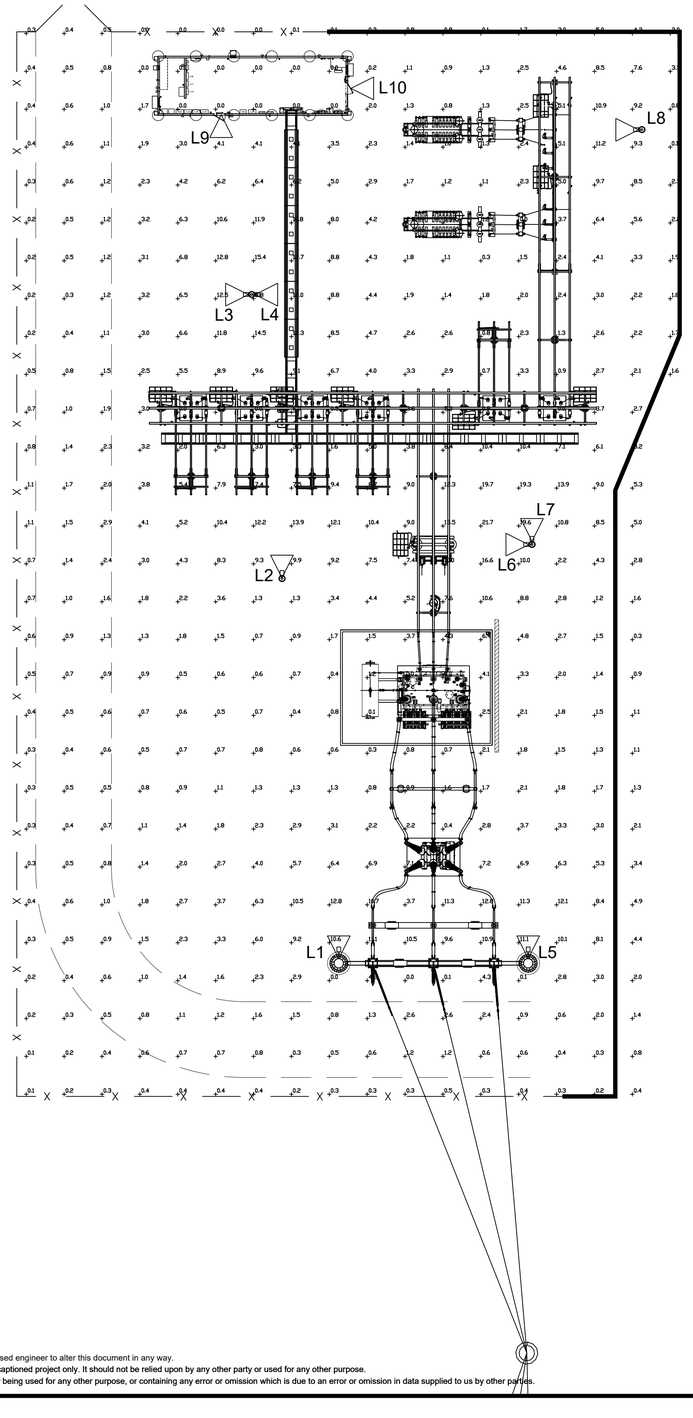
Title

SOUTH RIPLEY SOLAR 230-34.5KV COLLECTOR SUBSTATION CONTROL ENCL. SECTIONS G-K SUPPLEMENTAL A

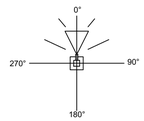
PRELIMINARY
NOT FOR CONSTRUCTION
REPLACE WITH ENGINEERS STAMP AT CONSTRUCTION AND/OR FABRICATION

Designed	DT	Eng check	KS
Drawn	DT	Approved	KS
Dwg check	DH	Project Mngr	RA
Scale at ANSI D: AS NOTED		Date: 11/12/2021	Rev: C

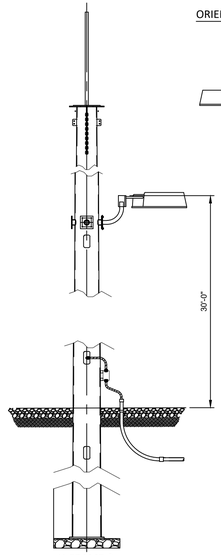
Drawing Number
SRS-E-211-05_SUP_A



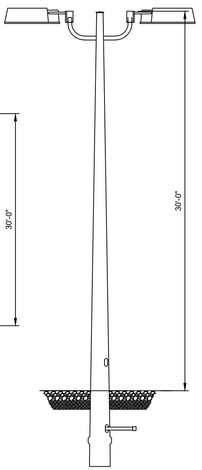
LIGHT FIXTURE ID	ORIENTATION (DEG.) HORIZONTAL PLANE	TILT (DEG.) VERTICAL PLANE	MOUNTING HEIGHT (FT)	MANUFACTURER	PART NO.	WATTS	LUMENS
L1	0°	0° FIXED	30	GE	EALP03_L2AN730	263	33,300
L2	0°	0° FIXED	30	GE	EALP03_L2AN730	263	33,300
L3	270°	0° FIXED	30	GE	EALP03_L2AN730	263	33,300
L4	90°	0° FIXED	30	GE	EALP03_L2AN730	263	33,300
L5	0°	0° FIXED	30	GE	EALP03_L2AN730	263	33,300
L6	270°	0° FIXED	30	GE	EALP03_L2AN730	263	33,300
L7	0°	0° FIXED	30	GE	EALP03_L2AN730	263	33,300
L8	270°	0° FIXED	30	GE	EALP03_L2AN730	263	33,300
L9	180°	0° FIXED	10	RAB	WP1LED-39L-740	12	1,925
L10	90°	0° FIXED	10	RAB	WP1LED-39L-740	12	1,925



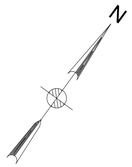
LUMINAIRE
ORIENTATION LEGEND



H-FRAME &
STATIC MAST DETAIL
NOT TO SCALE



30' LIGHT POLE DETAIL
NOT TO SCALE



0' 10' 20' 40' 60'

SCALE: 1" = 20'

CONCEPTUAL-NOT FOR CONSTRUCTION

Notes

1. IEEE / NESC, TABLE 111-1 ILLUMINATION LEVELS IN ELECTRIC SUBSTATIONS WAS FOLLOWED FOR THIS CALCULATION.
2. THE FOLLOWING MINIMUM VALUES WERE SOUGHT:
   SUBSTATION GENERAL HORIZONTAL = 2 fc
   REMOTE AREAS = 0.2 fc

Legend

LUMINAIRE LOCATION

1.0 CALCULATED ILLUMINATION LEVEL (fc)

G.E. EALP03_L2AN730

Reference Drawings

SRS-E-210-01A GENERAL ARRANGEMENT

Rev	Date	Drawn	Description	Ch'k'd	App'd
B	01/07/2022	DT	ISSUED FOR 94-C	DH	KS
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SOUTH RIPLEY SOLAR
230-34.5KV COLLECTOR SUBSTATION
LIGHTING PLAN
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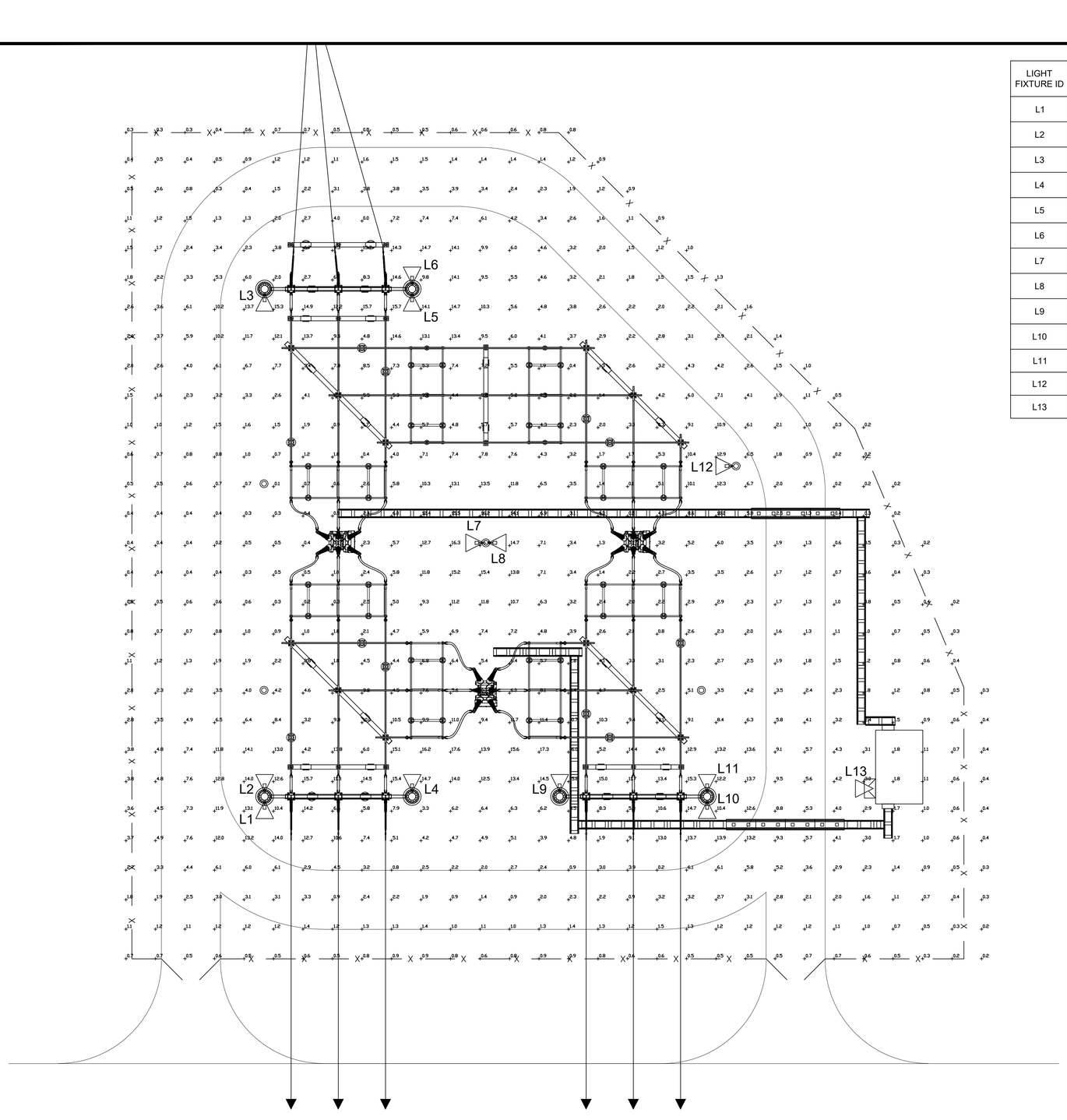
Designed	DT	Eng check	KS
Drawn	DT	Approved	KS
Dwg check	DH	Project Mngr	RA
Scale at ANSI D 1" = 20'-0"		Date 11/15/2021	Rev B

Drawing Number
SRS-E-214-01_SUP_A



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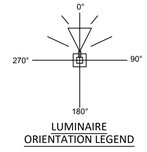
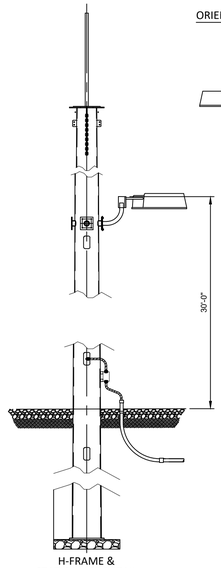
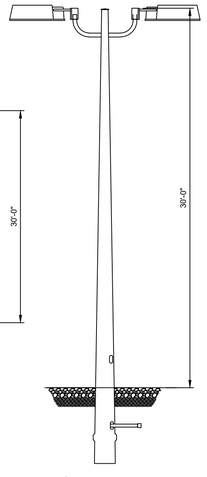
L4	0°	0° FIXED	30	GE	EALP03_L2AN730	263	33,300
L5	180°	0° FIXED	30	GE	EALP03_L2AN730	263	33,300
L6	0°	0° FIXED	30	GE	EALP03_L2AN730	263	33,300
L7	270°	0° FIXED	30	GE	EALP03_L2AN730	263	33,300
L8	90°	0° FIXED	30	GE	EALP03_L2AN730	263	33,300
L9	0°	0° FIXED	30	GE	EALP03_L2AN730	263	33,300
L10	180°	0° FIXED	30	GE	EALP03_L2AN730	263	33,300
L11	0°	0° FIXED	30	GE	EALP03_L2AN730	263	33,300
L12	270°	0° FIXED	30	GE	EALP03_L2AN730	263	33,300
L13	270	0° FIXED	10	RAB	WP1LED-39L-740	12	1,925



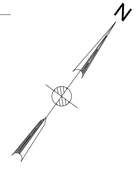
LUMINAIRE
ORIENTATION LEGEND



H-FRAME &
STATIC MAST DETAIL
NOT TO SCALE



30' LIGHT POLE DETAIL
NOT TO SCALE



0' 10' 20' 40' 60'

SCALE: 1" = 20'

CONCEPTUAL-NOT FOR CONSTRUCTION

Notes

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   REMOTE AREAS = 0.2 fc

Legend

LUMINAIRE LOCATION

1.0 CALCULATED ILLUMINATION LEVEL (fc)

G.E. EALP03_L2AN730

Reference Drawings

SRS-E-212-01A GENERAL ARRANGEMENT

Rev	Date	Drawn	Description	Ch'k'd	App'd
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LIGHTING PLAN
SUPPLEMENTAL A

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REPLACE WITH
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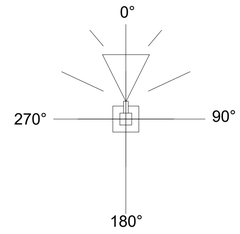
FABRICATION

Designed	DT	Eng check	KS
Drawn	DT	Approved	KS
Dwg check	DH	Project Mngr	RA
Scale at ANSI D: 1" = 20'-0"		Date: 11/15/2021	Rev: B

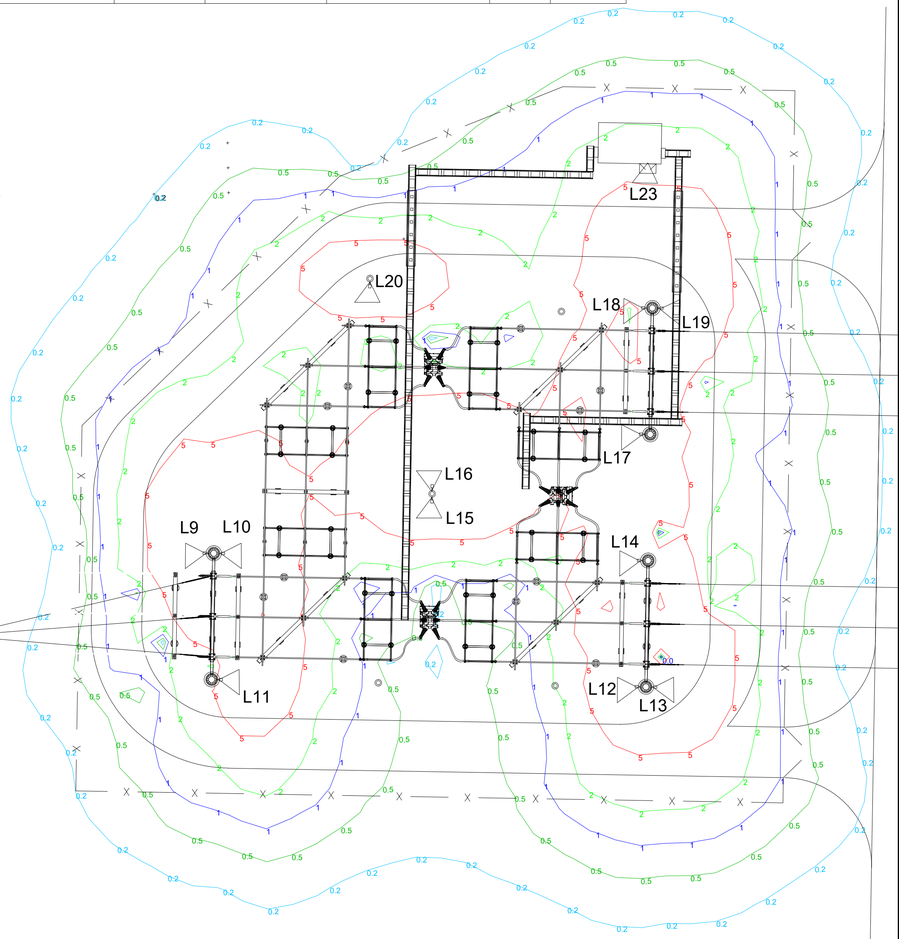
Drawing Number
SRS-E-214-02_SUP_A

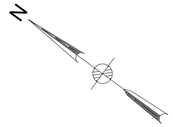
LIGHT FIXTURE ID	ORIENTATION (DEG.) HORIZONTAL PLANE	TILT (DEG.) VERTICAL PLANE	MOUNTING HEIGHT (FT)	MANUFACTURER	PART NO.	WATTS	LUMENS
L1	255°	0° FIXED	30	GE	EALP03_L2AN730	263	33,300
L2	255°	0° FIXED	30	GE	EALP03_L2AN730	263	33,300
L3	165°	0° FIXED	30	GE	EALP03_L2AN730	263	33,300
L4	345°	0° FIXED	30	GE	EALP03_L2AN730	263	33,300
L5	255°	0° FIXED	30	GE	EALP03_L2AN730	263	33,300
L6	165°	0° FIXED	30	GE	EALP03_L2AN730	263	33,300
L7	255°	0° FIXED	30	GE	EALP03_L2AN730	263	33,300
L8	165°	0° FIXED	30	GE	EALP03_L2AN730	263	33,300
L9	270°	0° FIXED	30	GE	EALP03_L2AN730	263	33,300
L10	90°	0° FIXED	30	GE	EALP03_L2AN730	263	33,300
L11	90°	0° FIXED	30	GE	EALP03_L2AN730	263	33,300
L12	270°	0° FIXED	30	GE	EALP03_L2AN730	263	33,300
L13	90°	0° FIXED	30	GE	EALP03_L2AN730	263	33,300
L14	270°	0° FIXED	30	GE	EALP03_L2AN730	263	33,300
L15	180°	0° FIXED	30	GE	EALP03_L2AN730	263	33,300
L16	0°	0° FIXED	30	GE	EALP03_L2AN730	263	33,300
L17	270°	0° FIXED	30	GE	EALP03_L2AN730	263	33,300

LIGHT FIXTURE ID	ORIENTATION (DEG.) HORIZONTAL PLANE	TILT (DEG.) VERTICAL PLANE	MOUNTING HEIGHT (FT)	MANUFACTURER	PART NO.	WATTS	LUMENS
L18	270°	0° FIXED	30	GE	EALP03_L2AN730	263	33,300
L19	90°	0° FIXED	30	GE	EALP03_L2AN730	263	33,300
L20	180°	0° FIXED	30	GE	EALP03_L2AN730	263	33,300
L21	75°	0° FIXED	10	RAB	WP1LED-39L-740	12	1,925
L22	345°	0° FIXED	10	RAB	WP1LED-39L-740	12	1,925
L23	180°	0° FIXED	10	RAB	WP1LED-39L-740	12	1,925



LUMINAIRE ORIENTATION LEGEND





0' 15' 30' 60' 90'

SCALE: 1" = 30'

CONCEPTUAL - NOT FOR CONSTRUCTION

Notes

1. LIGHTING CONTOURS GENERATED USING VISUAL LIGHTING 2020(2.10.0037).
2. ALL ILLUMINATION VALUES IN FOOT-CANDLES.
3. YARD LIGHTING WILL NOT BE ON DURING NORMAL OPERATION AND WILL ONLY BE USED FOR EMERGENCY ACCESS.

Legend

- LUMINAIRE LOCATION
- 5.0 fc
- 2.0 fc
- 1.0 fc
- 0.5 fc
- 0.2 fc

Drawing Reference

Rev	Date	Drawn	Description	Ch'k'd	App'd
B	01/07/2022	SL	ISSUED FOR 94-C	CS	JS
A	12/08/2021	SL	ISSUED FOR REVIEW	CS	JS

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POI & COLLECTOR SUBSTATION
LIGHTING PLAN
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Designed	CS	Eng check	CS
Drawn	SL	Approved	JS
Dwg check	JLL	Project Mngr	RA
Scale at ANSI D		Date	Rev
1" = 30'-0"		12/2/2021	B

Drawing Number
SRS-E-214-03_SUP_A

RSX2 LED
Area Luminaire

Catalog Number

Notes

Type

Buy American

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.

Specifications

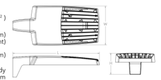
EPA (ft²@0°): 0.69 ft² (0.06 m²)

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)



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) [1]	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) [1]	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) [1]	
	P4		R4 Type 4 Wide	(use specific voltage for options as noted)	MA Mast arm adaptor (fits 2-3/8" OD tenon) [4]
	P5		R4S Type 4 Short	120 [2] 277 [2]	IS Adjustable slipfitter (fits 2-3/8" OD tenon) [4]
	P6		R5 Type 5 Wide [3]	208 [2] 347 [2]	WBA Wall bracket [4]
			R5S Type 5 Short [3]	240 [2] 480 [2]	WBACC Wall bracket with surface conduit box
			AFR Automotive Front Row		AASP Adjustable tilt arm square pole mounting [4]
			AFRRHO Automotive Front Row Right Rotated		AARP Adjustable tilt arm round pole mounting [4]
			AFRLHO Automotive Front Row Left Rotated		AAWB Adjustable tilt arm with wall bracket [4]
					AAWSC Adjustable tilt arm wall bracket and surface conduit box [4]

Options

Shipped Installed

- HS House-side shield [1]
- PE Photocontrol, button style [5,6]
- PEX Photocontrol external threaded, adjustable [5,6]
- PER7 Seven-wire twist-lock receptacle only (no controls) [5,7,8,9]
- CE34 Conduit entry 3/4" NPT (Qty 2)
- SF Single fuse (120, 277, 347) [1]
- DF Double fuse (208, 240, 480) [1]
- SPD20KV 20KV Surge pack (10KV standard)
- FAO Field adjustable output [5,10]
- DMG 0-10V dimming extend out back of housing for external control (control ordered separate) [5,11]
- DS Dual switching [5,10]

Shipped Installed

***Standalone and Networked Sensors/Controls (factory default settings, see table page 9)**

- NLTAIR2 nLight AIR generation 2 [5,12,13]
- PIRBN Networked, Bi-Level motion/ambient sensor (for use with NLTAIR2) [5,14,15]
- BAA Buy American(n) Act Compliant

***Note: PIRBN 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.**

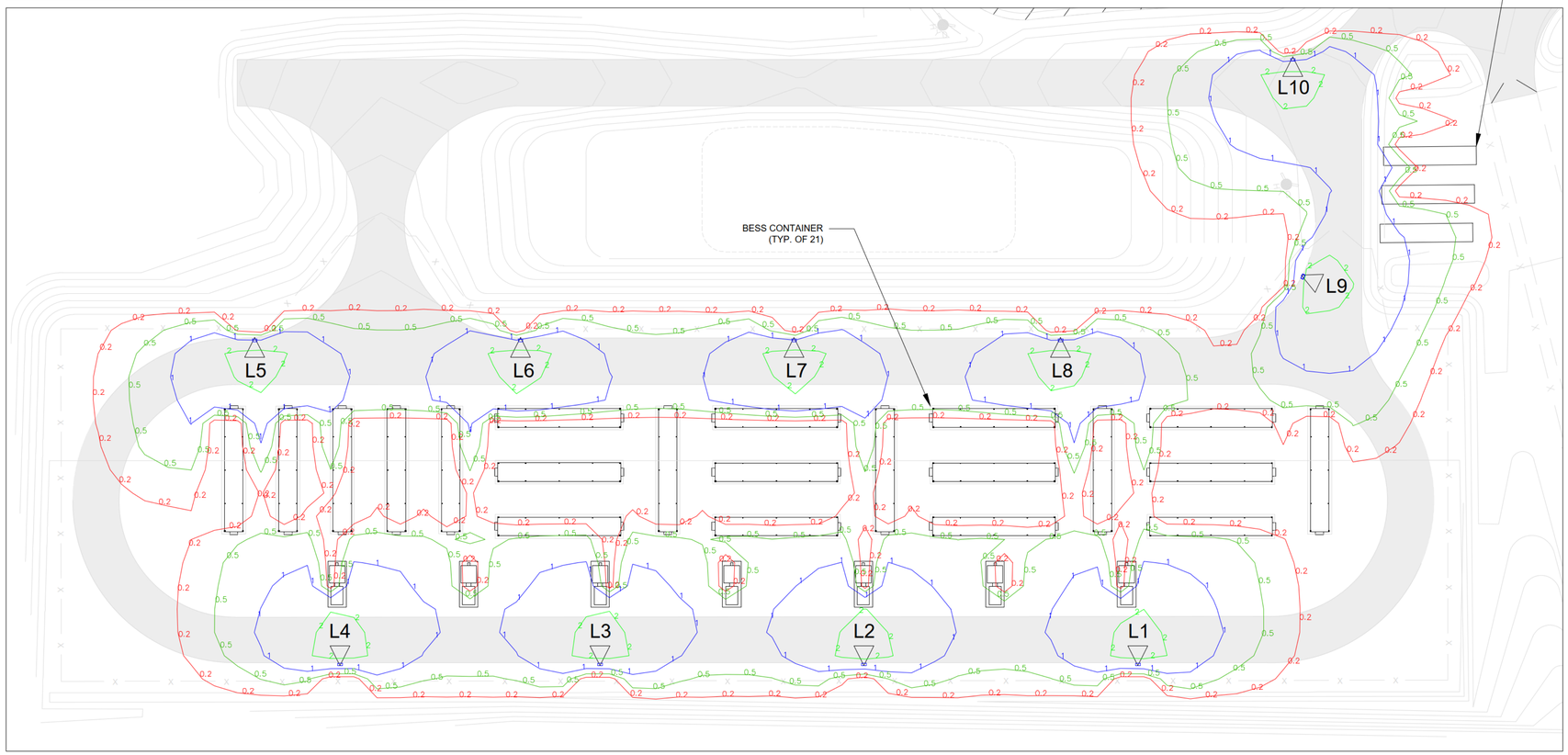
Shipped Separately (requires some field assembly)

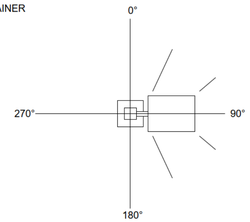
- EGS External glare shield [4]
- EGFV External glare full visor (360° around light aperture) [1]
- BS Bird spikes [4]

Finish

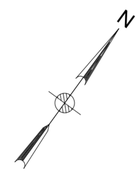
- DDBXD Dark Bronze
- DBLXD Black
- DNAXD Natural Aluminum
- DWHXD White
- DDBTXD Textured Dark Bronze
- DBLBXD Textured Black
- DNATXD Textured Natural Aluminum
- DWHGXD Textured White

LIGHT FIXTURE ID	ORIENTATION (DEG.) HORIZONTAL PLANE	TILT (DEG.) VERTICAL PLANE	MOUNTING HEIGHT (FT)	MANUFACTURER	PART NO.	WATTS	LUMENS
L1	0°	0° FIXED	30	LITHONIA	RSX2 LED P1 30K R3S	71	10,271
L2	0°	0° FIXED	30	LITHONIA	RSX2 LED P1 30K R3S	71	10,271
L3	0°	0° FIXED	30	LITHONIA	RSX2 LED P1 30K R3S	71	10,271
L4	0°	0° FIXED	30	LITHONIA	RSX2 LED P1 30K R3S	71	10,271
L5	180°	0° FIXED	30	LITHONIA	RSX2 LED P1 30K R3S	71	10,271
L6	180°	0° FIXED	30	LITHONIA	RSX2 LED P1 30K R3S	71	10,271
L7	180°	0° FIXED	30	LITHONIA	RSX2 LED P1 30K R3S	71	10,271
L8	180°	0° FIXED	30	LITHONIA	RSX2 LED P1 30K R3S	71	10,271
L9	120°	0° FIXED	30	LITHONIA	RSX2 LED P1 30K R3S	71	10,271
L10	180°	0° FIXED	30	LITHONIA	RSX2 LED P1 30K R3S	71	10,271





LUMINAIRE ORIENTATION LEGEND



SCALE: 1" = 30'

Notes

1. LIGHTING CONTOURS GENERATED USING VISUAL LIGHTING 2020(2.10.0037).
2. ALL ILLUMINATION VALUES IN FOOT-CANDLES.
3. YARD LIGHTING WILL NOT BE ON DURING NORMAL OPERATION AND WILL ONLY BE USED FOR EMERGENCY ACCESS.

Legend

- LUMINAIRE LOCATION
- 2.0 fc
- 1.0 fc
- 0.5 fc
- 0.2 fc

Drawing Reference

Rev	Date	Drawn	Description	Ch'k'd	App'd
D	01/06/22	AH	ISSUED FOR 94-C	JS	JAB
C	12/08/21	AH	ISSUED FOR REVIEW	JS	JAB
B	12/08/21	CS	UPDATED LIGHT FIXTURES	JS	JAB
A	11/24/21	SL	ISSUED FOR REVIEW	CS	JS

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W www.mottmac.com

Client

South Ripley SOLAR PROJECT

Title

SOUTH RIPLEY SOLAR PROJECT
BESS & O&M
YARD LIGHTING PLAN - SUPPLEMENTAL A

PRELIMINARY
NOT FOR CONSTRUCTION
REPLACE WITH ENGINEERS STAMP AT CONSTRUCTION AND/OR FABRICATION

Designed	CS	Eng check	CS
Drawn	SL	Approved	JS
Dwg check	JLL	Project Mngr	RA
Scale at ANSI D: 1" = 30'-0"		Date: 01/06/22	Rev: D

Drawing Number: SRS-BESS-LP-001_SUP_A

CONCEPTUAL - NOT FOR CONSTRUCTION

Manufacturer Cut Sheets

Lumark

DESCRIPTION

The patented Lumark Crosstour™ LED Wall Pack Series of luminaries provides an architectural style with super bright, energy efficient LEDs. The low-profile, rugged die-cast aluminum construction, universal back box, stainless steel hardware along with a sealed and gasketed optical compartment make the Crosstour impervious to contaminants. The Crosstour wall luminaire is ideal for wall/surface, inverted mount for façade/canopy illumination, post/bollard, site lighting, floodlight and low level pathway illumination including stairs. Typical applications include building entrances, multi-use facilities, apartment buildings, institutions, schools, stairways and loading docks test.

Catalog #		**Type**
Project		
Comments		**Date**
Prepared by		

SPECIFICATION FEATURES

Construction
Slim, low-profile LED design with rugged one-piece, die-cast aluminum hinged removable door and back box. Matching housing styles incorporate both a small and medium design. The small housing is available in 12W, 18W and 26W. The medium housing is available in the 38W model. Patented secure lock hinge feature allows for safe and easy tool-less electrical connections with the supplied push-in connectors. Back box includes three half-inch, NPT threaded conduit entry points. The universal back box supports both the small and medium forms and mounts to standard 3-1/2" to 4" round and octagonal, 4" square, single gang and masonry junction boxes. Key hole gasket allows for adaptation to junction box or wall. External fin design extracts heat from the fixture surface. One-piece silicone gasket seals door and back box. Minimum 5" wide pole for site lighting application. Not recommended for car wash applications.

Optical
Silicone sealed optical LED chamber incorporates a custom engineered mirrored anodized reflector providing high-efficiency illumination. Optical assembly includes impact-resistant tempered glass and meets IESNA requirements for full cutoff compliance. Available in seven lumen packages; 5000K, 4000K and 3000K CCT.

Electrical
LED driver is mounted to the die-cast housing for optimal heat sinking. LED thermal management system incorporates both conduction and natural convection to transfer heat rapidly away from the LED source. 12W, 18W, 26W and 38W series operate in -40°C to 40°C [-40°F to 104°F]. High ambient 50°C models available. Crosstour luminaires maintain greater than 89% of initial light output after 72,000 hours of operation. Three half-inch NPT threaded conduit entry points allow for thru-branch wiring. Back box is an authorized electrical wiring compartment. Integral LED electronic driver incorporates surge protection. 120-277V 50/60Hz or 347V 60Hz models.

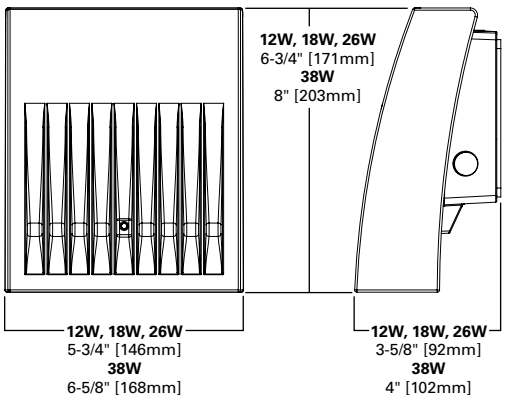
Finish
Crosstour is protected with a Super durable TGIC carbon bronze or summit white polyester powder coat paint. Super durable TGIC powder coat paint finishes withstand extreme climate conditions while providing optimal color and gloss retention of the installed life.

Warranty
Five-year warranty.

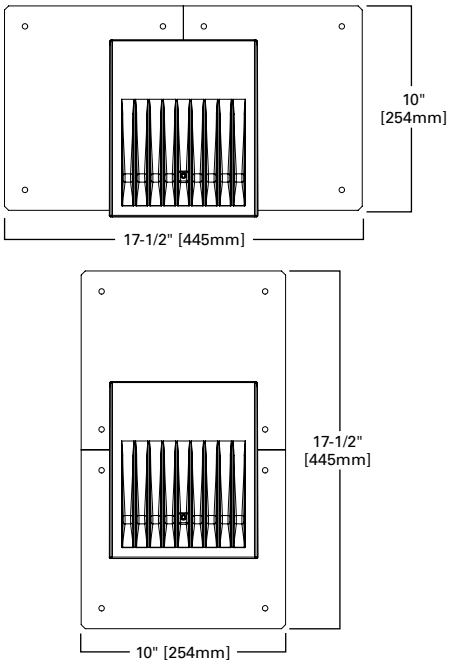
XTOR
CROSSTOUR LED

APPLICATIONS:
WALL / SURFACE
POST / BOLLARD
LOW LEVEL
FLOODLIGHT
INVERTED
SITE LIGHTING

DIMENSIONS



ESCUTCHEON PLATES



CERTIFICATION DATA
Dark Sky Approved (Fixed mount, Full cutoff, and 3000K CCT only)
UL/cUL Wet Location Listed
LM79 / LM80 Compliant
ROHS Compliant
ADA Compliant
NOM Compliant Models
IP66 Ingressed Protection Rated
Title 24 Compliant
DesignLights Consortium® Qualified*

TECHNICAL DATA
40°C Maximum Ambient Temperature
External Supply Wiring 90°C Minimum

EPA
Effective Projected Area (Sq. Ft.):
XTOR1B, XT0R2B, XT0R3B=0.34
XTOR4B=0.45

SHIPPING DATA:
Approximate Net Weight:
3.7 – 5.25 lbs. [1.7 – 2.4 kgs.]

COOPER Lighting Solutions

*www.designlights.org

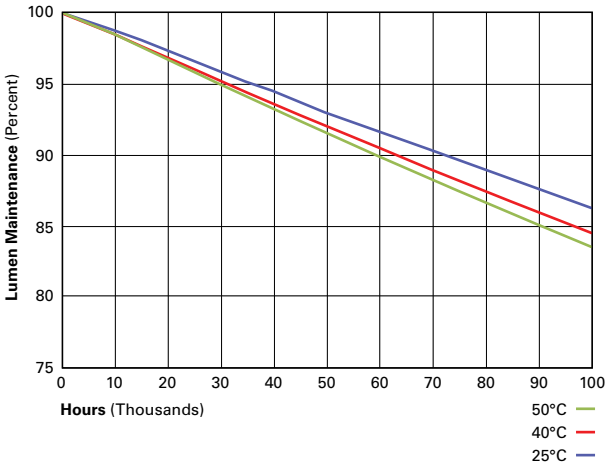
POWER AND LUMENS BY FIXTURE MODEL

LED Information	XTOR1B	XTOR1B-W	XTOR1B-Y	XTOR2B	XTOR2B-W	XTOR2B-Y	XTOR3B	XTOR3B-W	XTOR3B-Y	XTOR4B	XTOR4B-W	XTOR4B-Y
Delivered Lumens (Wall Mount)	1,418	1,396	1,327	2,135	2,103	1,997	2,751	2,710	2,575	4,269	4,205	3,995
Delivered Lumens (With Flood Accessory Kit) [1]	1,005	990	940	1,495	1,472	1,399	2,099	2,068	1,965	3,168	3,121	2,965
B.U.G. Rating [2]	B1-U0-G0	B1-U0-G0	B1-U0-G0	B1-U0-G0	B1-U0-G0	B1-U0-G0	B1-U0-G0	B1-U0-G0	B1-U0-G0	B2-U0-G0	B2-U0-G0	B2-U0-G0
CCT (Kelvin)	5,000	4,000	3,000	5,000	4,000	3,000	5,000	4,000	3,000	5,000	4,000	3,000
CRI (Color Rendering Index)	70	70	70	70	70	70	70	70	70	70	70	70
Power Consumption (Watts)	12W	12W	12W	18W	18W	18W	26W	26W	26W	38W	38W	38W

NOTES: 1 Includes shield and visor. **2** B.U.G. Rating does not apply to floodlighting.

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (72,000 Hours)	Theoretical L70 (Hours)
XTOR1B Model		
25°C	> 90%	255,000
40°C	> 89%	234,000
50°C	> 88%	215,000
XTOR2B Model		
25°C	> 89%	240,000
40°C	> 88%	212,000
50°C	> 87%	196,000
XTOR3B Model		
25°C	> 89%	240,000
40°C	> 88%	212,000
50°C	> 87%	196,000
XTOR4B Model		
25°C	> 89%	222,000
40°C	> 87%	198,000
50°C	> 87%	184,000



CURRENT DRAW

Voltage	Model Series			
	XTOR1B	XTOR2B	XTOR3B	XTOR4B
120V	0.103A	0.15A	0.22A	0.34A
208V	0.060A	0.09A	0.13A	0.17A
240V	0.053A	0.08A	0.11A	0.17A
277V	0.048A	0.07A	0.10A	0.15A
347V	0.039A	0.06A	0.082A	0.12A

ORDERING INFORMATION

Sample Number: XTOR2B-W-WT-PC1

Series [1]	**LED Kelvin Color**	**Housing Color**	**Options** (Add as Suffix)	**Accessories** (Order Separately)
XTOR1B=Small Door, 12W **XTOR2B**=Small Door, 18W **XTOR3B**=Small Door, 26W **XTOR4B**=Medium Door, 38W	**[Blank]**=Bright White (Standard), 5000K **W**=Neutral White, 4000K **Y**=Warm White, 3000K	**[Blank]**=Carbon Bronze (Standard) **WT**=Summit White **BK**=Black **BZ**=Bronze **AP**=Grey **GM**=Graphite Metallic **DP**=Dark Platinum	**PC1**=Photocontrol 120V [2] **PC2**=Photocontrol 208-277V [2,3] **347V**=347V [4] **HA**=50°C High Ambient [4]	**WG/XTOR**=Wire Guard [5] **XTORFLD-KNC**=Knuckle Floodlight Kit [6] **XTORFLD-TRN**=Trunnion Floodlight Kit [6] **XTORFLD-KNC-WT**=Knuckle Floodlight Kit, Summit White [6] **XTORFLD-TRN-WT**=Trunnion Floodlight Kit, Summit White [6] **EWP/XTOR**=Escutcheon Wall Plate, Carbon Bronze **EWP/XTOR-WT**=Escutcheon Wall Plate, Summit White

NOTES:
1. DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details.
2. Photocontrols are factory installed.
3. Order PC2 for 347V models.
4. Thru-branch wiring not available with HA option or with 347V. XTOR3B not available with HA and 347V or 120V combination.
5. Wire guard for wall/surface mount. Not for use with floodlight kit accessory.
6. Floodlight kit accessory supplied with knuckle (KNC) or trunnion (TRN) base, small and large top visors and small and large impact shields.

STOCK ORDERING INFORMATION

12W Series	**18W Series**	**26W Series**	**38W Series**
XTOR1B=12W, 5000K, Carbon Bronze	**XTOR2B**=18W, 5000K, Carbon Bronze	**XTOR3B**=26W, 5000K, Carbon Bronze	**XTOR4B**=38W, 5000K, Carbon Bronze
XTOR1B-WT=12W, 5000K, Summit White	**XTOR2B-W**=18W, 4000K, Carbon Bronze	**XTOR3B-W**=26W, 4000K, Carbon Bronze	**XTOR4B-W**=38W, 4000K, Carbon Bronze
XTOR1B-PC1=12W, 5000K, 120V PC, Carbon Bronze	**XTOR2B-WT**=18W, 5000K, Summit White	**XTOR3B-WT**=26W, 5000K, Summit White	**XTOR4B-WT**=38W, 5000K, Summit White
XTOR1B-W=12W, 4000K, Carbon Bronze	**XTOR2B-PC1**=18W, 5000K, 120V PC, Carbon Bronze	**XTOR3B-PC1**=26W, 5000K, 120V PC, Carbon Bronze	**XTOR4B-PC1**=38W, 5000K, 120V PC, Carbon Bronze
	XTOR2B-W-PC1=18W, 4000K, 120V PC, Carbon Bronze	**XTOR3B-W-PC1**=26W, 4000K, 120V PC, Carbon Bronze	**XTOR4B-W-PC1**=38W, 4000K, 120V PC, Carbon Bronze
	XTOR2B-347V=18W, 5000K, Carbon Bronze, 347V	**XTOR3B-347V**=26W, 5000K, Carbon Bronze, 347V	**XTOR4B-347V**=38W, 5000K, Carbon Bronze, 347V
	XTOR2B-WT-PC1=18W, 5000K, 120V PC, Summit White	**XTOR3B-PC2**=26W, 5000K, 208-277V PC, Carbon Bronze	

GE Evolve™
LED Area Lighting
EALS-03 & EALP-03

South Ripley Solar Lighting
Model is based on fixture No.
EALP03_L2AN730

current
powered by GE

Product Features

The **EAL Area Light** luminaires offer a wide range of optical patterns, color temperatures, lumen packages, and mounting configurations to optimize area light applications, as well as provide versatility in lighting design within the same form-factor. They are ideal for commercial property site-lighting applications such as retail and commercial exteriors. The EALS (standard) area light has a lumen range from 7,500-30,000 lumens. The EALP (premium) offers a similar lumen range of 25,000 to 70,000 lumens but with higher LPW and better lumen maintenance.

Both the **EALS-03** and **EALP-03** feature our innovative, highly flexible Universal Mounting Arm option, which provides installers the ability to mount the EAL fixtures on both round and square poles of multiple sizes. In addition, it features both in-line and offset bolt patterns which enable it to easily be affixed to the majority of the bolt patterns one would encounter in the field.

Applications

- Site and area light applications such as parking lots, retail exteriors, commercial exteriors, roadways and other general lighting applications

Housing

- Slim architectural design incorporates an integral heat sink and light engine, ensuring maximum heat transfer, and long LED life.
- Die cast aluminum housing
- 3G vibration per ANSI C136.31-2010

LED & Optical Assembly

- LM-79 tests and reports in accordance with IESNA standards
- 70CRI at 3000K, 4000K and 5000K
- Distributions: II, III, IV, V
- Upward Light Output Ratio (ULOR) = 0 (horizontal orientation)

Lumen Maintenance

- Projected Lxx per IES TM-21 at 25 °C for reference:

EALS03 Optical code	Lxx (10k) @ Hours 25,000 hr	50,000 hr	100,000 hr
C2, C3, C4, C5, D2, D3, D4, D5	L95	L92	L86
F5, H2, H3, H4, H5	L95	L92	L86
F2, F3, F4, J2, J3, J4, J5	L94	L89	L81
K2, K3, K4, K5	L94	L89	L81

EALP03 Optical code	Lxx (10k) @ Hours 25,000 hr	50,000 hr	100,000 hr
J5, K2, K3, K4, K5	L97	L96	L94
L2, L3, L4, L5, M2, M3, M4, M5	L97	L96	L94
J2, J3, J4, N2, N3, N4, N5	L94	L91	L84
P2, P3, P4, P5, Q2, Q3, Q4, Q5	L94	L91	L84

Note: 1) Projected Lxx based on LM80 (10,000 hour testing). 2) DOE Lighting Facts Verification Testing Tolerances apply to initial luminous flux and lumen maintenance measurements

Lumen Ambient Temperature Factors:

Ambient Temp (°C)	Initial Flux Factor
10	1.02
20	1.01
25	1.00
30	0.99
40	0.98

Ratings

- c UL cUL Listed
- UL UL 1598 Listed Suitable for Wet Locations
- IP65 optical enclosure per ANSI C136.25-2013
- Operating Temperature –40°C to +40°C (maximum of +35°C for 570W)
- California Title 24 compliant (w/ "H" motion sensor option)

Mounting

Option C1: Integral Slipfitter for 1.25"-2" Pipe (1.66in. OD-2.378in. OD) supplied with leads. +/- 5 deg adjustment for leveling.

Option D1: Universal Mounting Arm, fitted for round or square pole mounting supplied with 16/3 3ft cable.

Option K1: Knuckle Slipfitter for 1.9 in.-2.3 in. OD Tenon with leads. Restricted aiming angle 0° to +45°.

Option S1: Knuckle Slipfitter for 2.3in.- 3.0in OD Tenon with leads. Restricted aiming angle 0° to +45°.

Option V1: Knuckle Wall Mount with leads. Restricted aiming angle 0° to +45°.

Finish

- Corrosion resistant polyester powder paint, minimum thickness 2.0 mil.
- Standard colors: Black, Dark Bronze, Aluminum, Gray & White.
- RAL & custom colors available.
- Optional coastal finish available.

Electrical

- 120-277 VAC and 347-480 VAC available.
- System power factor is >90% and THD <20%.
- ANSI C136.41 7-pin dimming receptacle, standard.
- ANSI photo electric sensors (PE) available for all voltages.
- LightGrid™ compatible.
- Dimming/Occupancy:
  - Standard: 0-10V; Optional: DALI (120-277V, excluding 400 watts and above)
  - Externally wired 0-10V dimming (optional)
  - DALI digital dimming. Contact manufacturer for availability.
  - Standalone dimming occupancy sensor with ambient light sensor, option code "H".
  - Daintree occupancy sensor available.
- Surge Protection tested per ANSI C136.2-2015.
  - 6kV/3kA "Basic" surge protection, standard.
  - 10kV/5kA "Enhanced" surge protection optional.

Warranty

- 5 Year Standard

Accessories

- Photoelectric Controls (see page 9)
- Light Shields (see Data Sheet OLP 3120 Shielding for EAL Area Light Fixtures)

Ordering Number Logic

Evolve™ LED Area Light (EALS-03)

E A L S 0 3 _ __ __ 7 __ _ _ __ ____ ___

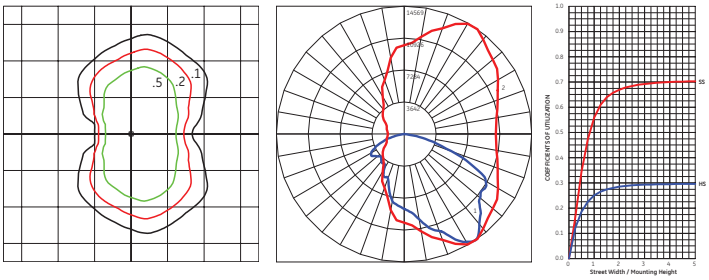
PROD. ID	GENERATION	VOLTAGE	OPTICAL DISTRIBUTION CODE	CRI	CCT	DIMMING	CONTROLS	MOUNTING ARM	COLOR	OPTIONS
E = Evolve **AL** = Area Light **S** = Standard	**03** = 3rd Generation	**0** = 120-277* **1** = 120 **2** = 208 **3** = 240 **4** = 277 **5** = 480 **D** = 347 **H** = 347-480* *Not available with Fusing. Must choose a descreet voltage with F Option	**SM** = Symmetric Medium **SW** = Symmetric Wide **SH** = Symmetric High Angle **AF** = Asymmetric Forward **AH** = Asymmetric High Angle **AW** = Asymmetric Wide **AN** = Asymmetric Narrow/Auto	**7** = 70 (min)	**30** = 3000K **40** = 4000K **50** = 5000K	**N** = Dimming thru PE receptacle **D** = External Dimming 18/2-3ft cable **X** = Non-dimmable* All constructions supplied with ANSI C136.41 7-pin Receptacle *Required for Cx Optical Codes. Not available for other optical codes. **Note:** Standard dimming 0-10V	**A** = ANSI 7-pin PE receptacle (no control) **D** = ANSI 7-pin PE receptacle with shorting cap provided **Note:** See accessories section on page 7 for PE Control ordering	**C1** = Integral Slipfitter for 1.25" - 2" Pipe (1.66in. OD - 2.378in. OD)* **D1** = Universal Mounting Arm, fitted for round or square pole mounting** **K1** = Knuckle Slipfitter for 1.9 in - 2.3in. OD Tenon*++ **S1** = Knuckle Slipfitter for 2.3in. - 3.0in OD Tenon*++ **V1** = Knuckle Wall Mount*++ * Supplied with 3FT leads ** Supplied with 3FT #14/3 power cable ++ Restricted Aiming Angle 0° to +45°	**GRAY** = Gray **BLCK** = Black **DKBZ** = Dark Bronze **WHTE** = White	**F** = Fusing **H** = Motion Sensor (Sensor Switch) **H2** = Motion Sensor (Daintree) **J** = cUL/Canada **L** = Tool-Less Entry **R** = Enhanced Surge Protection (10kV/5kA) **S1** = Rotated Left † **S2** = Rotated Right † **U** = DALI dimming ^+ **V** = 3-Position Terminal Block **Y** = Coastal Finish **XXX** = Special Options * Contact Manufacturer for availability + Compatible with LightGrid 2.0 nodes ^ Not compatible at 347-480V or with motion sensor control † For aimed left or right light distribution orientation, as assembled in manufacturing. Not applicable for Symmetric Distributions. **Note:** H2 option not available at 370V-480V

TYPE	OPTICAL CODE	DISTRIBUTION	TYPICAL INITIAL LUMENS 3000K	TYPICAL INITIAL LUMENS 4000K & 5000K	TYPICAL SYSTEM WATTAGE 120-277V & 347-480V	BUG RATING 3000K B-U-G	BUG RATING 4000 & 5000K B-U-G	IES FILE NUMBER 3000K	IES FILE NUMBER 4000K	IES FILE NUMBER 5000K
Type V	C5	Symmetric Medium (SM)	7300	7500	46	B3-U0-G1	B3-U0-G1	EALS03_C5SM730_.IES	EALS03_C5SM740_.IES	EALS03_C5SM750_.IES
	D5	Symmetric Medium (SM)	9800	10000	64	B3-U0-G1	B3-U0-G1	EALS03_D5SM730_.IES	EALS03_D5SM740_.IES	EALS03_D5SM750_.IES
	F5	Symmetric Medium (SM)	14700	15000	101	B4-U0-G2	B4-U0-G2	EALS03_F5SM730_.IES	EALS03_F5SM740_.IES	EALS03_F5SM750_.IES
	H5	Symmetric Medium (SM)	19600	20000	140	B4-U0-G2	B4-U0-G2	EALS03_H5SM730_.IES	EALS03_H5SM740_.IES	EALS03_H5SM750_.IES
	J5	Symmetric Medium (SM)	24500	25000	186	B4-U0-G2	B4-U0-G2	EALS03_J5SM730_.IES	EALS03_J5SM740_.IES	EALS03_J5SM750_.IES
	K5	Symmetric Medium (SM)	29400	30000	239	B5-U0-G3	B5-U0-G3	EALS03_K5SM730_.IES	EALS03_K5SM740_.IES	EALS03_K5SM750_.IES
	C5	Symmetric Wide (SW)	7300	7500	46	B2-U0-G1	B2-U0-G1	EALS03_C5SW730_.IES	EALS03_C5SW740_.IES	EALS03_C5SW750_.IES
	D5	Symmetric Wide (SW)	9800	10100	64	B3-U0-G1	B3-U0-G1	EALS03_D5SW730_.IES	EALS03_D5SW740_.IES	EALS03_D5SW750_.IES
	F5	Symmetric Wide (SW)	14700	15100	101	B3-U0-G2	B3-U0-G2	EALS03_F5SW730_.IES	EALS03_F5SW740_.IES	EALS03_F5SW750_.IES
	H5	Symmetric Wide (SW)	19700	20200	140	B4-U0-G2	B4-U0-G2	EALS03_H5SW730_.IES	EALS03_H5SW740_.IES	EALS03_H5SW750_.IES
	J5	Symmetric Wide (SW)	24600	25200	186	B4-U0-G2	B4-U0-G2	EALS03_J5SW730_.IES	EALS03_J5SW740_.IES	EALS03_J5SW750_.IES
	K5	Symmetric Wide (SW)	29600	30300	239	B5-U0-G2	B5-U0-G2	EALS03_K5SW730_.IES	EALS03_K5SW740_.IES	EALS03_K5SW750_.IES
	C5	Symmetric High Angle (SH)	7000	7200	46	B3-U0-G1	B3-U0-G1	EALS03_C5SH730_.IES	EALS03_C5SH740_.IES	EALS03_C5SH750_.IES
	D5	Symmetric High Angle (SH)	9400	9600	64	B3-U0-G2	B3-U0-G2	EALS03_D5SH730_.IES	EALS03_D5SH740_.IES	EALS03_D5SH750_.IES
	F5	Symmetric High Angle (SH)	14200	14500	101	B4-U0-G2	B4-U0-G2	EALS03_F5SH730_.IES	EALS03_F5SH740_.IES	EALS03_F5SH750_.IES
	H5	Symmetric High Angle (SH)	18900	19300	140	B4-U0-G2	B4-U0-G2	EALS03_H5SH730_.IES	EALS03_H5SH740_.IES	EALS03_H5SH750_.IES
	J5	Symmetric High Angle (SH)	23600	24100	186	B5-U0-G3	B5-U0-G3	EALS03_J5SH730_.IES	EALS03_J5SH740_.IES	EALS03_J5SH750_.IES
	K5	Symmetric High Angle (SH)	28400	29000	239	B5-U0-G3	B5-U0-G3	EALS03_K5SH730_.IES	EALS03_K5SH740_.IES	EALS03_K5SH750_.IES
Type IV	C4	Asymmetric Forward (AF)	7300	7500	50	B1-U0-G2	B1-U0-G2	EALS03_C4AF730_.IES	EALS03_C4AF740_.IES	EALS03_C4AF750_.IES
	D4	Asymmetric Forward (AF)	9800	10000	70	B2-U0-G2	B2-U0-G2	EALS03_D4AF730_.IES	EALS03_D4AF740_.IES	EALS03_D4AF750_.IES
	F4	Asymmetric Forward (AF)	14700	15000	116	B2-U0-G2	B2-U0-G2	EALS03_F4AF730_.IES	EALS03_F4AF740_.IES	EALS03_F4AF750_.IES
	H4	Asymmetric Forward (AF)	19600	20000	140	B3-U0-G3	B3-U0-G3	EALS03_H4AF730_.IES	EALS03_H4AF740_.IES	EALS03_H4AF750_.IES
	J4	Asymmetric Forward (AF)	24500	25000	186	B3-U0-G3	B3-U0-G3	EALS03_J4AF730_.IES	EALS03_J4AF740_.IES	EALS03_J4AF750_.IES
	K4	Asymmetric Forward (AF)	29400	30000	239	B3-U0-G4	B3-U0-G4	EALS03_K4AF730_.IES	EALS03_K4AF740_.IES	EALS03_K4AF750_.IES
	C4	Asymmetric High Angle (AH)	7000	7200	50	B2-U0-G2	B2-U0-G2	EALS03_C4AH730_.IES	EALS03_C4AH740_.IES	EALS03_C4AH750_.IES
	D4	Asymmetric High Angle (AH)	9400	9600	70	B2-U0-G2	B2-U0-G2	EALS03_D4AH730_.IES	EALS03_D4AH740_.IES	EALS03_D4AH750_.IES
	F4	Asymmetric High Angle (AH)	14200	14500	116	B3-U0-G3	B3-U0-G3	EALS03_F4AH730_.IES	EALS03_F4AH740_.IES	EALS03_F4AH750_.IES
	H4	Asymmetric High Angle (AH)	18900	19300	140	B3-U0-G3	B3-U0-G4	EALS03_H4AH730_.IES	EALS03_H4AH740_.IES	EALS03_H4AH750_.IES
	J4	Asymmetric High Angle (AH)	23600	24100	186	B3-U0-G4	B3-U0-G4	EALS03_J4AH730_.IES	EALS03_J4AH740_.IES	EALS03_J4AH750_.IES
	K4	Asymmetric High Angle (AH)	28400	29000	239	B3-U0-G4	B3-U0-G4	EALS03_K4AH730_.IES	EALS03_K4AH740_.IES	EALS03_K4AH750_.IES
Type III	C3	Asymmetric Wide (AW)	7300	7500	50	B2-U0-G1	B2-U0-G1	EALS03_C3AW730_.IES	EALS03_C3AW740_.IES	EALS03_C3AW750_.IES
	D3	Asymmetric Wide (AW)	9800	10100	70	B2-U0-G2	B2-U0-G2	EALS03_D3AW730_.IES	EALS03_D3AW740_.IES	EALS03_D3AW750_.IES
	F3	Asymmetric Wide (AW)	14700	15100	116	B2-U0-G2	B2-U0-G2	EALS03_F3AW730_.IES	EALS03_F3AW740_.IES	EALS03_F3AW750_.IES
	H3	Asymmetric Wide (AW)	19700	20200	140	B3-U0-G2	B3-U0-G3	EALS03_H3AW730_.IES	EALS03_H3AW740_.IES	EALS03_H3AW750_.IES
	J3	Asymmetric Wide (AW)	24600	25200	186	B3-U0-G3	B3-U0-G3	EALS03_J3AW730_.IES	EALS03_J3AW740_.IES	EALS03_J3AW750_.IES
	K3	Asymmetric Wide (AW)	29600	30300	239	B3-U0-G3	B3-U0-G3	EALS03_K3AW730_.IES	EALS03_K3AW740_.IES	EALS03_K3AW750_.IES
Type II	C2	Asymmetric Narrow/Auto (AN)	7300	7500	50	B2-U0-G2	B2-U0-G2	EALS03_C2AN730_.IES	EALS03_C2AN740_.IES	EALS03_C2AN750_.IES
	C3	Asymmetric Narrow/Auto (AN)	9800	10100	70	B2-U0-G2	B2-U0-G2	EALS03_D2AN730_.IES	EALS03_D2AN740_.IES	EALS03_D2AN750_.IES
	F2	Asymmetric Narrow/Auto (AN)	14700	15100	116	B3-U0-G3	B3-U0-G3	EALS03_F2AN730_.IES	EALS03_F2AN740_.IES	EALS03_F2AN750_.IES
	H2	Asymmetric Narrow/Auto (AN)	19700	20200	140	B3-U0-G3	B3-U0-G3	EALS03_H2AN730_.IES	EALS03_H2AN740_.IES	EALS03_H2AN750_.IES
	J2	Asymmetric Narrow/Auto (AN)	24600	25200	186	B3-U0-G3	B3-U0-G3	EALS03_J2AN730_.IES	EALS03_J2AN740_.IES	EALS03_J2AN750_.IES
	K2	Asymmetric Narrow/Auto (AN)	29600	30300	239	B3-U0-G3	B3-U0-G3	EALS03_K2AN730_.IES	EALS03_K2AN740_.IES	EALS03_K2AN750_.IES

Photometrics

Evolve™ LED Area Light (EALS-03)

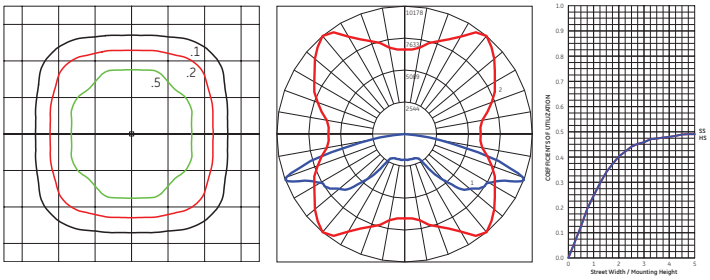
EALS Type II - Asymmetric Narrow/Auto
30,300 Lumens, 5000K (EALS03_K2AN750___.IES)



Grid Distance in Units of Mounting Height at 40' Initial Footcandle Values at Grade

— Vertical plane through horizontal angle of maximum candlepower at 55°
— Vertical plane through horizontal angle of 34°

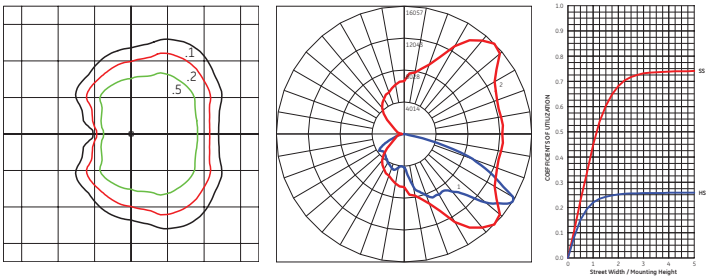
EALS Type VS - Symmetric High Angle
29,000 Lumens, 5000K (EALS03_K5SH750___.IES)



Grid Distance in Units of Mounting Height at 40' Initial Footcandle Values at Grade

— Vertical plane through horizontal angle of maximum candlepower at 50°
— Vertical plane through horizontal angle of 69°

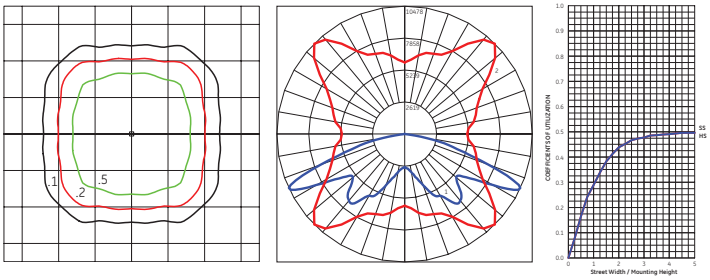
EALS Type III - Asymmetric Wide
30,300 Lumens, 5000K (EALS03_K3AW750___.IES)



Grid Distance in Units of Mounting Height at 40' Initial Footcandle Values at Grade

— Vertical plane through horizontal angle of maximum candlepower at 45°
— Vertical plane through horizontal angle of 58°

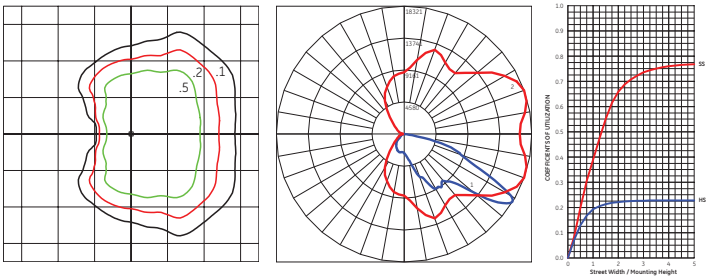
EALS Type VS - Symmetric Medium
30,000 Lumens, 5000K (EALS03_K5SM750___.IES)



Grid Distance in Units of Mounting Height at 40' Initial Footcandle Values at Grade

— Vertical plane through horizontal angle of maximum candlepower at 45°
— Vertical plane through horizontal angle of 65°

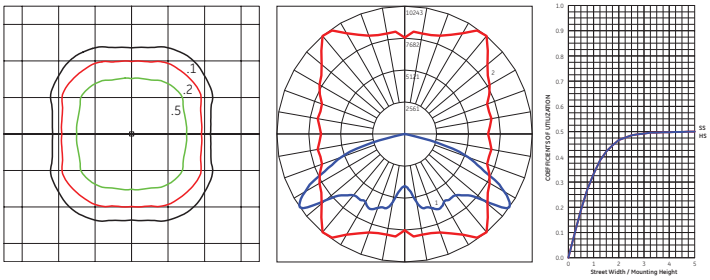
EALS Type IV - Asymmetric Forward
30,000 Lumens, 5000K (EALS03_K4AF750___.IES)



Grid Distance in Units of Mounting Height at 40' Initial Footcandle Values at Grade

— Vertical plane through horizontal angle of maximum candlepower at 20°
— Vertical plane through horizontal angle of 58°

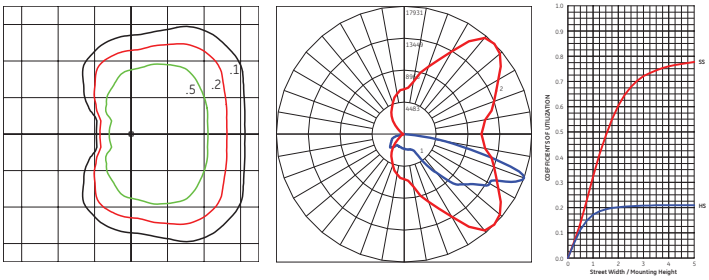
EALS Type VS - Symmetric Wide
30,300 Lumens, 5000K (EALS03_K5SW750___.IES)



Grid Distance in Units of Mounting Height at 40' Initial Footcandle Values at Grade

— Vertical plane through horizontal angle of maximum candlepower at 50°
— Vertical plane through horizontal angle of 55°

EALS Type IV - Asymmetric High Angle
29,000 Lumens, 5000K (EALS03_K4AH750___.IES)



Grid Distance in Units of Mounting Height at 40' Initial Footcandle Values at Grade

— Vertical plane through horizontal angle of maximum candlepower at 45°
— Vertical plane through horizontal angle of 70°

Ordering Number Logic

Evolve™ LED Area Light (EALP-03)

Lighting Model based on part EALP03_L2AN730

EALP 03 _ __ __ 7 __ _ _ __ ____ ___

PROD. ID	GENERATION	VOLTAGE	OPTICAL DISTRIBUTION CODE	CRI	CCT	DIMMING	CONTROLS	MOUNTING ARM	COLOR	OPTIONS
E = Evolve **AL** = Area Light **P** = Premium	**03** = 3rd Generation	**0** = 120-277* **1** = 120 **2** = 208 **3** = 240 **4** = 277 **5** = 480 **D** = 347 **H** = 347-480* *Not available with Fusing. Must choose a descreet voltage with F Option	**SM** = Symmetric Medium **SW** = Symmetric Wide **SH** = Symmetric High Angle **AF** = Asymmetric Forward **AH** = Asymmetric High Angle **AW** = Asymmetric Wide **AN** = Asymmetric Narrow/Auto	**7** = 70 (min)	**30** = 3000K **40** = 4000K **50** = 5000K	**N** = Dimming thru PE receptacle **D** = External Dimming 18/2-3ft cable **X** = Non-dimmable* All constructions supplied with ANSI C136.41 7-pin Receptacle *Required for Cx Optical Codes. Not available for other optical codes. **Note:** Standard dimming 0-10V	**A** = ANSI 7-pin PE receptacle (no control) **D** = ANSI 7-pin PE receptacle with shorting cap provided **Note:** See accessories section on page 7 for PE Control ordering	**C1** = Integral Slip-fitter 2" Pipe (2.378 in. OD)* **D1** = Universal Mounting Arm, fitted for round or square pole mounting** **K1** = Knuckle Slipfitter for 1.9 in - 2.3in. OD Tenon*++ **S1** = Knuckle Slipfitter for 2.3in. - 3.0in OD Tenon*++ **V1** = Knuckle Wall Mount*++ * Supplied with leads ** Supplied with 16/3 ft cable ++ Restricted Aiming Angle 0° to +45°	**GRAY** = Gray **BLCK** = Black **DKBZ** = Dark Bronze **WHTE** = White	**F** = Fusing **H** = Motion Sensor (Sensor Switch) **H2** = Motion Sensor (Daintree) **J** = cUL/Canada **L** = Tool-Less Entry **R** = Enhanced Surge Protection (10kV/5kA) **S1** = Rotated Left † **S2** = Rotated Right † **U** = DALI dimming ^+ **V** = 3-Position Terminal Block **Y** = Coastal Finish **XXX** = Special Options * Contact Manufacturer for availability + Compatible with LightGrid 2.0 nodes ^ Not compatible at 347-480V, with motion sensor controls, or above 400W. † For aimed left or right light distribution orientation, as assembled in manufacturing. Not applicable for Symmetric Distributions. **Note:** H option not available for 470W and above configurations. **Note:** H2 option not available at 370V-480V

TYPE	OPTICAL CODE	DISTRIBUTION	TYPICAL INITIAL LUMENS 3000K	TYPICAL INITIAL LUMENS 4000K & 5000K	TYPICAL SYSTEM WATTAGE 120-277V & 347-480V	BUG RATING 3000K B-U-G	BUG RATING 4000 & 5000K B-U-G	IES FILE NUMBER 3000K	IES FILE NUMBER 4000K	IES FILE NUMBER 5000K
Type V	J5	Symmetric Medium (SM)	23600	25000	172	B4-U0-G2	B4-U0-G2	EALP03_J5SM730_.IES	EALP03_J5SM740_.IES	EALP03_J5SM750_.IES
	K5	Symmetric Medium (SM)	28300	30000	212	B5-U0-G3	B5-U0-G3	EALP03_K5SM730_.IES	EALP03_K5SM740_.IES	EALP03_K5SM750_.IES
	L5	Symmetric Medium (SM)	33000	35000	263	B5-U0-G3	B5-U0-G3	EALP03_L5SM730_.IES	EALP03_L5SM740_.IES	EALP03_L5SM750_.IES
	M5	Symmetric Medium (SM)	37800	40000	305	B5-U0-G3	B5-U0-G4	EALP03_M5SM730_.IES	EALP03_M5SM740_.IES	EALP03_M5SM750_.IES
	N5	Symmetric Medium (SM)	47200	50000	400	B5-U0-G4	B5-U0-G4	EALP03_N5SM730_.IES	EALP03_N5SM740_.IES	EALP03_N5SM750_.IES
	P5	Symmetric Medium (SM)	56700	60000	470	B5-U0-G4	B5-U0-G4	EALP03_P5SM730_.IES	EALP03_P5SM740_.IES	EALP03_P5SM750_.IES
	Q5	Symmetric Medium (SM)	66100	70000	570	B5-U0-G5	B5-U0-G5	EALP03_Q5SM730_.IES	EALP03_Q5SM740_.IES	EALP03_Q5SM750_.IES
	J5	Symmetric Wide (SW)	23600	25000	172	B4-U0-G2	B4-U0-G2	EALP03_J5SW730_.IES	EALP03_J5SW740_.IES	EALP03_J5SW750_.IES
	K5	Symmetric Wide (SW)	28300	30000	212	B5-U0-G2	B5-U0-G2	EALP03_K5SW730_.IES	EALP03_K5SW740_.IES	EALP03_K5SW750_.IES
	L5	Symmetric Wide (SW)	33000	35000	263	B5-U0-G2	B5-U0-G2	EALP03_L5SW730_.IES	EALP03_L5SW740_.IES	EALP03_L5SW750_.IES
	M5	Symmetric Wide (SW)	37800	40000	305	B5-U0-G2	B5-U0-G2	EALP03_M5SW730_.IES	EALP03_M5SW740_.IES	EALP03_M5SW750_.IES
	N5	Symmetric Wide (SW)	47200	50000	400	B5-U0-G3	B5-U0-G3	EALP03_N5SW730_.IES	EALP03_N5SW740_.IES	EALP03_N5SW750_.IES
	P5	Symmetric Wide (SW)	56700	60000	470	B5-U0-G3	B5-U0-G3	EALP03_P5SW730_.IES	EALP03_P5SW740_.IES	EALP03_P5SW750_.IES
	Q5	Symmetric Wide (SW)	66100	70000	570	B5-U0-G4	B5-U0-G4	EALP03_Q5SW730_.IES	EALP03_Q5SW740_.IES	EALP03_Q5SW750_.IES
	J5	Symmetric High Angle (SH)	22700	24100	172	B5-U0-G3	B5-U0-G3	EALP03_J5SH730_.IES	EALP03_J5SH740_.IES	EALP03_J5SH750_.IES
	K5	Symmetric High Angle (SH)	27400	29000	212	B5-U0-G3	B5-U0-G3	EALP03_K5SH730_.IES	EALP03_K5SH740_.IES	EALP03_K5SH750_.IES
	L5	Symmetric High Angle (SH)	31900	33800	263	B5-U0-G4	B5-U0-G4	EALP03_L5SH730_.IES	EALP03_L5SH740_.IES	EALP03_L5SH750_.IES
	M5	Symmetric High Angle (SH)	36400	38600	305	B5-U0-G4	B5-U0-G4	EALP03_M5SH730_.IES	EALP03_M5SH740_.IES	EALP03_M5SH750_.IES
	N5	Symmetric High Angle (SH)	45600	48300	400	B5-U0-G4	B5-U0-G5	EALP03_N5SH730_.IES	EALP03_N5SH740_.IES	EALP03_N5SH750_.IES
	P5	Symmetric High Angle (SH)	54800	58000	470	B5-U0-G5	B5-U0-G5	EALP03_P5SH730_.IES	EALP03_P5SH740_.IES	EALP03_P5SH750_.IES
	Q5	Symmetric High Angle (SH)	63800	67600	570	B5-U0-G5	B5-U0-G5	EALP03_Q5SH730_.IES	EALP03_Q5SH740_.IES	EALP03_Q5SH750_.IES

Type IV, Type III and Type II Claims Table for EALP-03 continued on Page 6

Ordering Number Logic

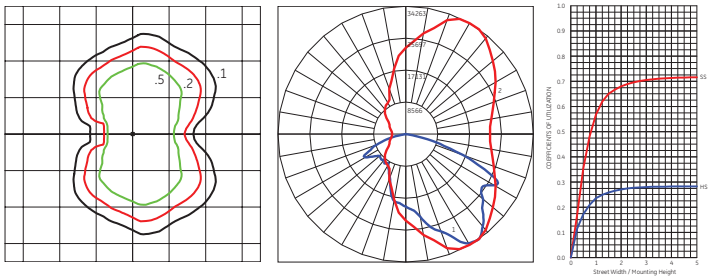
Evolve™ LED Area Light (EALP-03)

TYPE	OPTICAL CODE	DISTRIBUTION	TYPICAL INITIAL LUMENS		TYPICAL SYSTEM WATTAGE	BUG RATING		IES FILE NUMBER	IES FILE NUMBER	IES FILE NUMBER
			3000K	4000K & 5000K	120-277V & 347-480V	3000K B-U-G	4000 & 5000K B-U-G	3000K	4000K	5000K
Type IV	J4	Asymmetric Forward (AF)	23600	25000	200	B3-U0-G3	B3-U0-G4	EALP03_J4AF730_.IES	EALP03_J4AF740_.IES	EALP03_J4AF750_.IES
	K4	Asymmetric Forward (AF)	28300	30000	212	B3-U0-G4	B3-U0-G4	EALP03_K4AF730_.IES	EALP03_K4AF740_.IES	EALP03_K4AF750_.IES
	L4	Asymmetric Forward (AF)	33000	35000	263	B3-U0-G4	B3-U0-G4	EALP03_L4AF730_.IES	EALP03_L4AF740_.IES	EALP03_L4AF750_.IES
	M4	Asymmetric Forward (AF)	37800	40000	305	B4-U0-G4	B4-U0-G5	EALP03_M4AF730_.IES	EALP03_M4AF740_.IES	EALP03_M4AF750_.IES
	N4	Asymmetric Forward (AF)	47200	50000	400	B4-U0-G5	B4-U0-G5	EALP03_N4AF730_.IES	EALP03_N4AF740_.IES	EALP03_N4AF750_.IES
	P4	Asymmetric Forward (AF)	56700	60000	470	B4-U0-G5	B4-U0-G5	EALP03_P4AF730_.IES	EALP03_P4AF740_.IES	EALP03_P4AF750_.IES
	Q4	Asymmetric Forward (AF)	66100	70000	570	B4-U0-G5	B4-U0-G5	EALP03_Q4AF730_.IES	EALP03_Q4AF740_.IES	EALP03_Q4AF750_.IES
	J4	Asymmetric High Angle (AH)	22700	24100	200	B3-U0-G4	B3-U0-G4	EALP03_J4AH730_.IES	EALP03_J4AH740_.IES	EALP03_J4AH750_.IES
	K4	Asymmetric High Angle (AH)	27400	29000	212	B3-U0-G4	B3-U0-G5	EALP03_K4AH730_.IES	EALP03_K4AH740_.IES	EALP03_K4AH750_.IES
	L4	Asymmetric High Angle (AH)	31900	33800	263	B4-U0-G5	B4-U0-G5	EALP03_L4AH730_.IES	EALP03_L4AH740_.IES	EALP03_L4AH750_.IES
	M4	Asymmetric High Angle (AH)	36400	38600	305	B4-U0-G5	B4-U0-G5	EALP03_M4AH730_.IES	EALP03_M4AH740_.IES	EALP03_M4AH750_.IES
	N4	Asymmetric High Angle (AH)	45600	48300	400	B4-U0-G5	B4-U0-G5	EALP03_N4AH730_.IES	EALP03_N4AH740_.IES	EALP03_N4AH750_.IES
	P4	Asymmetric High Angle (AH)	54800	58000	470	B4-U0-G5	B4-U0-G5	EALP03_P4AH730_.IES	EALP03_P4AH740_.IES	EALP03_P4AH750_.IES
	Q4	Asymmetric High Angle (AH)	63800	67600	570	B5-U0-G5	B5-U0-G5	EALP03_Q4AH730_.IES	EALP03_Q4AH740_.IES	EALP03_Q4AH750_.IES
Type III	J3	Asymmetric Wide (AW)	23600	25000	200	B3-U0-G3	B3-U0-G3	EALP03_J3AW730_.IES	EALP03_J3AW740_.IES	EALP03_J3AW750_.IES
	K3	Asymmetric Wide (AW)	28300	30000	212	B3-U0-G3	B3-U0-G3	EALP03_K3AW730_.IES	EALP03_K3AW740_.IES	EALP03_K3AW750_.IES
	L3	Asymmetric Wide (AW)	33000	35000	263	B3-U0-G3	B4-U0-G3	EALP03_L3AW730_.IES	EALP03_L3AW740_.IES	EALP03_L3AW750_.IES
	M3	Asymmetric Wide (AW)	37800	40000	305	B4-U0-G3	B4-U0-G4	EALP03_M3AW730_.IES	EALP03_M3AW740_.IES	EALP03_M3AW750_.IES
	N3	Asymmetric Wide (AW)	47200	50000	400	B4-U0-G4	B4-U0-G4	EALP03_N3AW730_.IES	EALP03_N3AW740_.IES	EALP03_N3AW750_.IES
	P3	Asymmetric Wide (AW)	56700	60000	470	B5-U0-G4	B5-U0-G4	EALP03_P3AW730_.IES	EALP03_P3AW740_.IES	EALP03_P3AW750_.IES
	Q3	Asymmetric Wide (AW)	66100	70000	570	B5-U0-G5	B5-U0-G5	EALP03_Q3AW730_.IES	EALP03_Q3AW740_.IES	EALP03_Q3AW750_.IES
Type II	J2	Asymmetric Narrow/Auto (AN)	23800	25200	200	B3-U0-G3	B3-U0-G3	EALP03_J2AN730_.IES	EALP03_J2AN740_.IES	EALP03_J2AN750_.IES
	K2	Asymmetric Narrow/Auto (AN)	28600	30300	212	B3-U0-G3	B3-U0-G3	EALP03_K2AN730_.IES	EALP03_K2AN740_.IES	EALP03_K2AN750_.IES
	L2	Asymmetric Narrow/Auto (AN)	33300	35300	263	B4-U0-G4	B4-U0-G4	EALP03_L2AN730_.IES	EALP03_L2AN740_.IES	EALP03_L2AN750_.IES
	M2	Asymmetric Narrow/Auto (AN)	38100	40400	305	B4-U0-G4	B4-U0-G4	EALP03_M2AN730_.IES	EALP03_M2AN740_.IES	EALP03_M2AN750_.IES
	N2	Asymmetric Narrow/Auto (AN)	47700	50500	400	B4-U0-G4	B4-U0-G4	EALP03_N2AN730_.IES	EALP03_N2AN740_.IES	EALP03_N2AN750_.IES
	P2	Asymmetric Narrow/Auto (AN)	57200	60600	470	B4-U0-G4	B4-U0-G4	EALP03_P2AN730_.IES	EALP03_P2AN740_.IES	EALP03_P2AN750_.IES
	Q2	Asymmetric Narrow/Auto (AN)	66800	70700	570	B5-U0-G5	B5-U0-G5	EALP03_Q2AN730_.IES	EALP03_Q2AN740_.IES	EALP03_Q2AN750_.IES

Photometrics

Evolve™ LED Area Light (EALP-03)

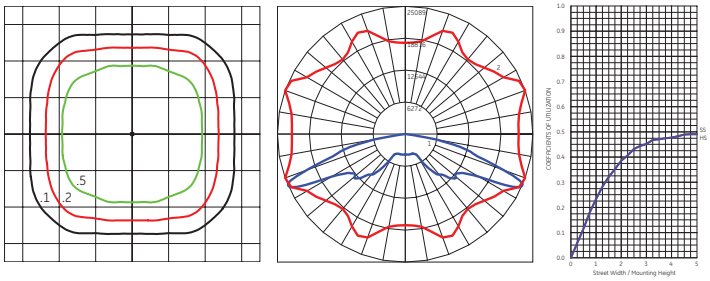
EALP Type II - Asymmetric Narrow/Auto
70,700 Lumens, 5000K (EALP03_Q2AN750___.IES)



Grid Distance in Units of Mounting Height at 40' Initial Footcandle Values at Grade

— Vertical plane through horizontal angle of maximum candlepower at 60°
— Vertical plane through horizontal angle of 35°

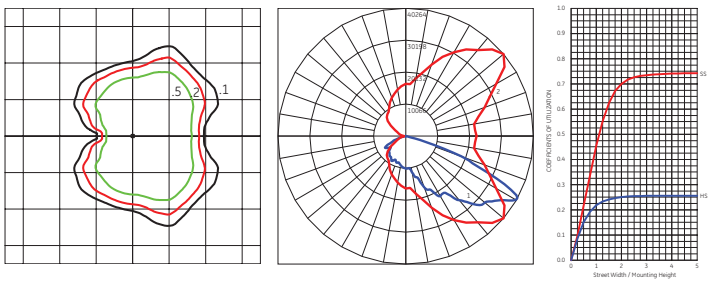
EALP Type VS - Symmetric High Angle
67,600 Lumens, 5000K (EALP03_Q5SH750___.IES)



Grid Distance in Units of Mounting Height at 40' Initial Footcandle Values at Grade

— Vertical plane through horizontal angle of maximum candlepower at 20°
— Vertical plane through horizontal angle of 66°

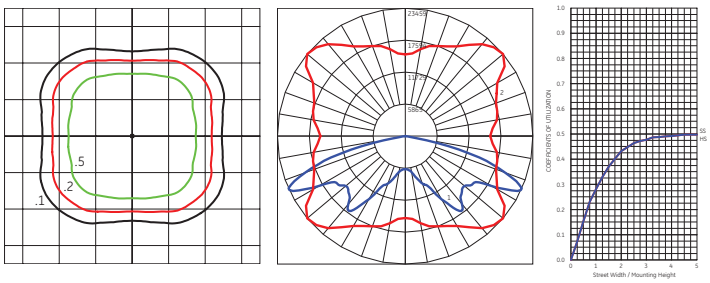
EALP Type III - Asymmetric Wide
70,000 Lumens, 5000K (EALP03_Q3AW750___.IES)



Grid Distance in Units of Mounting Height at 40' Initial Footcandle Values at Grade

— Vertical plane through horizontal angle of maximum candlepower at 40°
— Vertical plane through horizontal angle of 61°

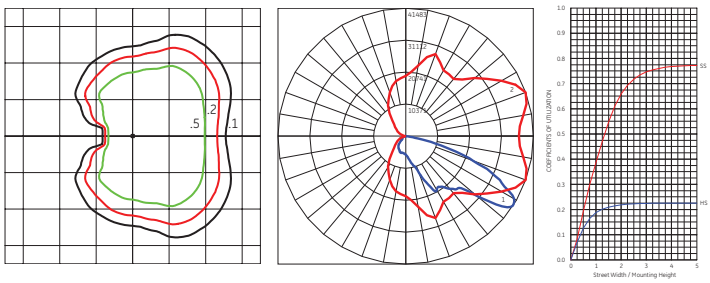
EALP Type VS - Symmetric Medium
70,000 Lumens, 5000K (EALP03_Q5SM750___.IES)



Grid Distance in Units of Mounting Height at 40' Initial Footcandle Values at Grade

— Vertical plane through horizontal angle of maximum candlepower at 40°
— Vertical plane through horizontal angle of 65°

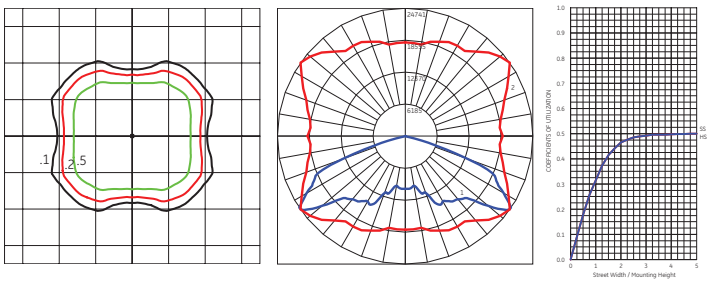
EALP Type IV - Asymmetric Forward
70,000 Lumens, 5000K (EALP03_Q4AF750___.IES)



Grid Distance in Units of Mounting Height at 40' Initial Footcandle Values at Grade

— Vertical plane through horizontal angle of maximum candlepower at 20°
— Vertical plane through horizontal angle of 57°

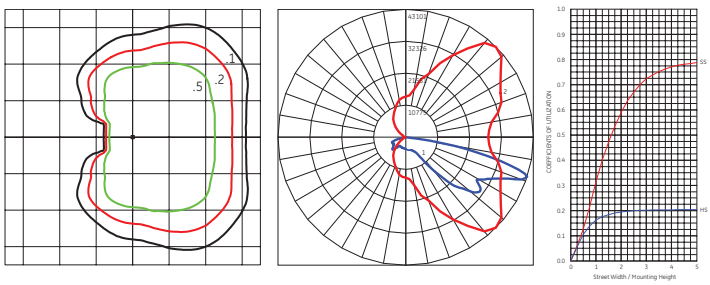
EALP Type VS - Symmetric Wide
70,000 Lumens, 5000K (EALP03_Q5SW750___.IES)



Grid Distance in Units of Mounting Height at 40' Initial Footcandle Values at Grade

— Vertical plane through horizontal angle of maximum candlepower at 35°
— Vertical plane through horizontal angle of 56°

EALP Type IV - Asymmetric High Angle
67,700 Lumens, 5000K (EALP03_Q4AH750___.IES)



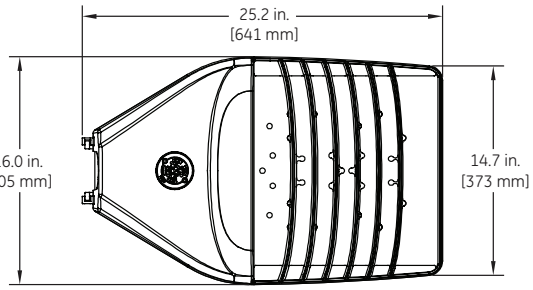
Grid Distance in Units of Mounting Height at 40' Initial Footcandle Values at Grade

— Vertical plane through horizontal angle of maximum candlepower at 45°
— Vertical plane through horizontal angle of 72°

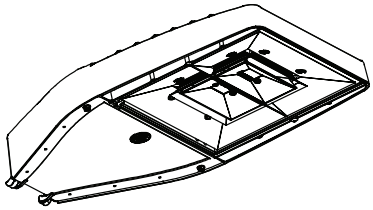
Product Dimensions

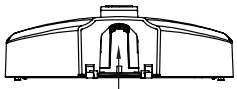
Evolve™ LED Area Light (EALS-03 & EALP-03)

Integral Slipfitter: C1

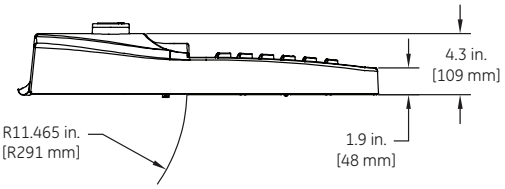


TOP VIEW

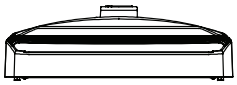




BACK VIEW

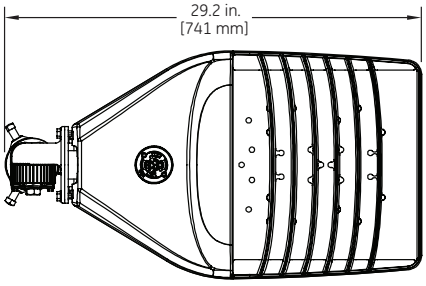


SIDE VIEW

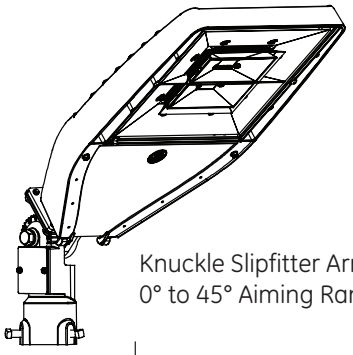


FRONT VIEW

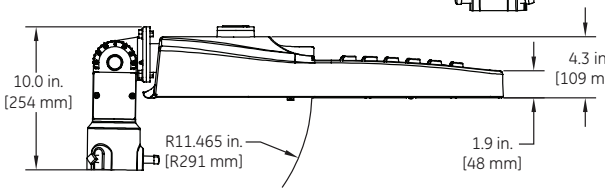
Knuckle Slipfitter: S1



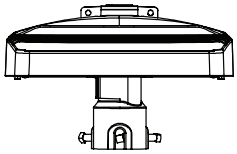
TOP VIEW



Knuckle Slipfitter Arm Mount
0° to 45° Aiming Range

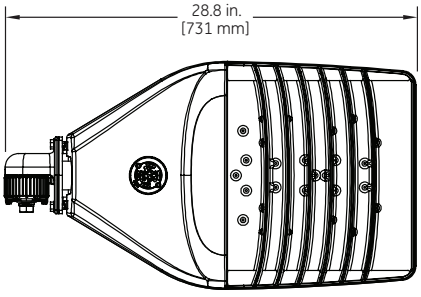


SIDE VIEW

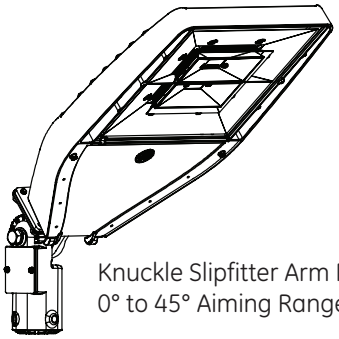


FRONT VIEW

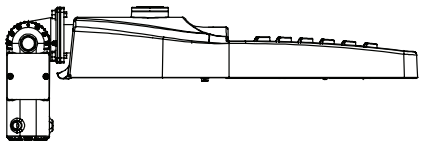
Knuckle Slipfitter: K1



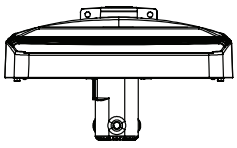
TOP VIEW



Knuckle Slipfitter Arm Mount
0° to 45° Aiming Range



SIDE VIEW

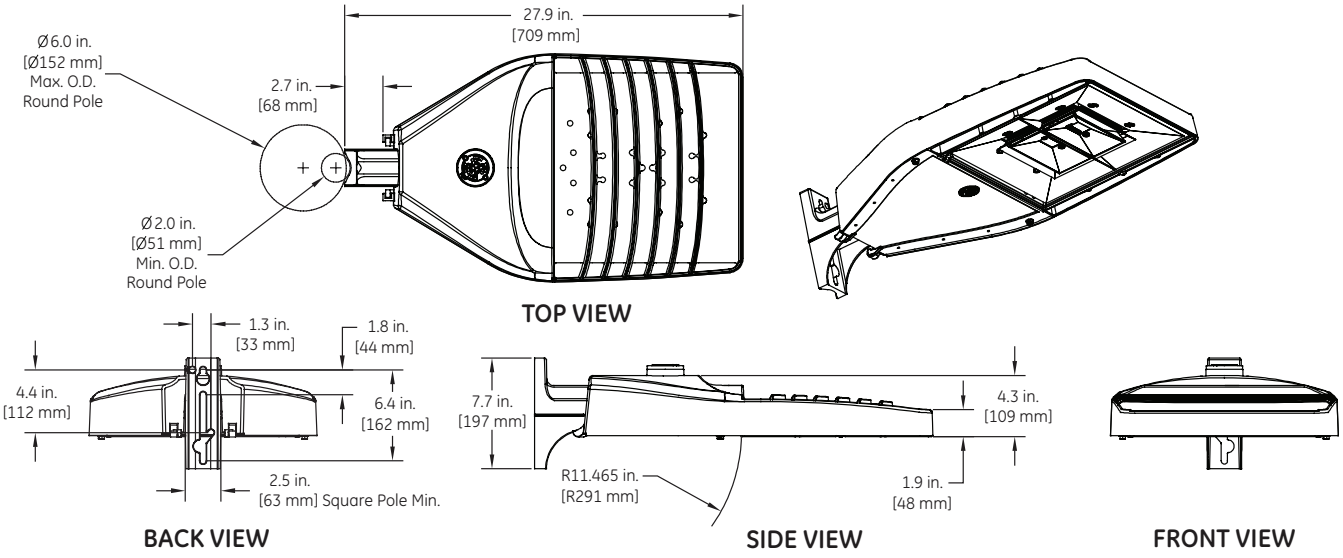


FRONT VIEW

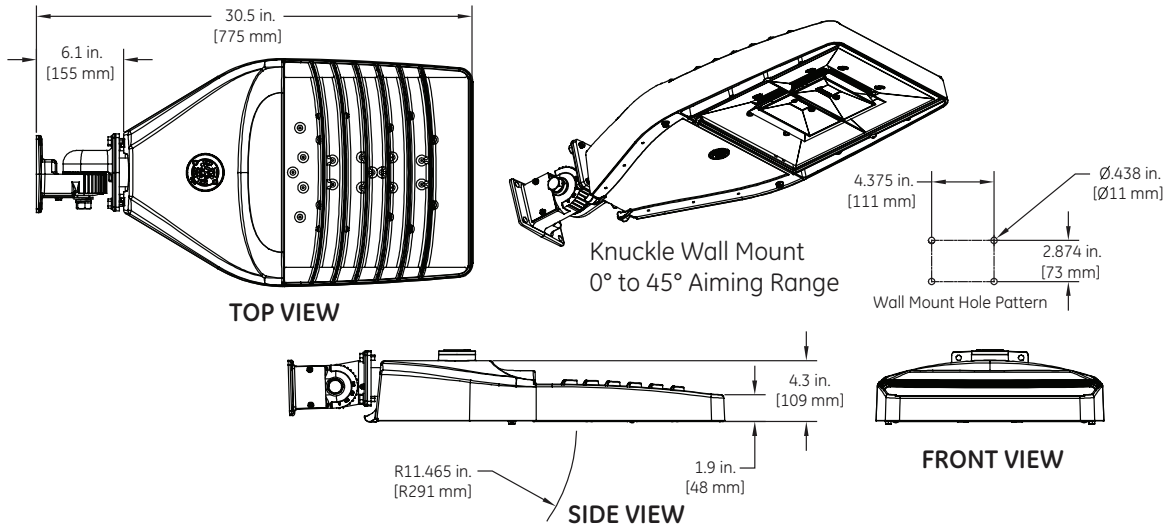
Product Dimensions

Evolve™ LED Area Light (EALS-03 & EALP-03)

Universal Mounting Arm: D1



Knuckle Wall Mount: V1



DATA

- Weight: PM request of ≤ 35 lbs (max not including occ sensor option)
- Effective Projected Area:
  - Knuckle Slipfitter S1, K1 45° aim, EPA = 2.45
  - Knuckle Slipfitter S1, K1 downward aim, EPA = 0.73
  - Universal Arm Mount D1, EPA = 0.54 - Knuckle Wall Mount V1, 45° aim, EPA = 0.77 sq ft min and 1.43 sq ft max
  - Integral Slipfitter C1, EPA = 0.63

Accessories

Evolve™ LED Area Light (EALS-03 & EALP-03)

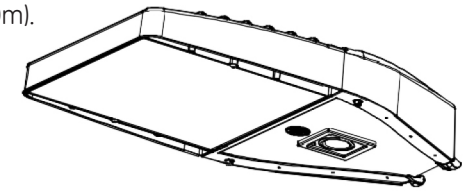
PE Accessories (to be ordered separately)

SAP Number	Part Number	Description
93029237	PED-MV-LED-7	ANSI C136.41 Dimming PE, 120-277V
93029238	PED-347-LED-7	ANSI C136.41 Dimming PE, 347V
93029239	PED-480-LED-7	ANSI C136.41 Dimming PE, 480V

SAP Number	Part Number	Description
28299	PEC0TL	STANDARD 120-277V
28294	PEC5TL	STANDARD 480V
80436	PECDTL	STANDARD 347V
73251	SCCL-PECTL	Shorting cap

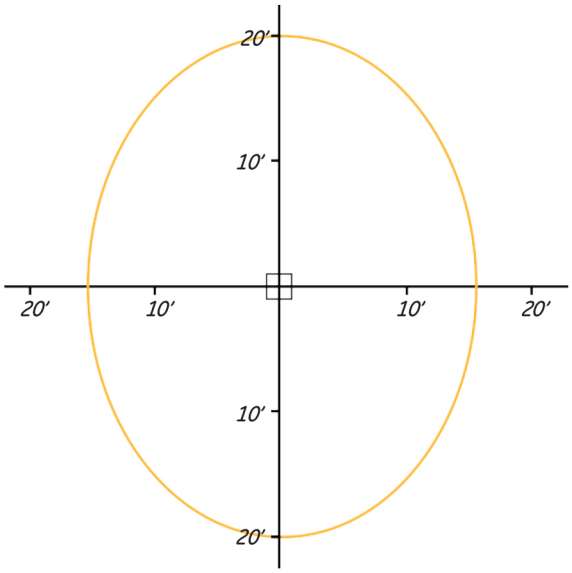
H-Motion Sensing Option

- Intended for applications, between 15-30 ft. mounting height. (4.57-9.14m).
  For mounting heights exceeding 30 ft., pole mounted sensors are recommended.
- Provides a coverage area radius for walking motion of 15-20 ft. (4.57-6.10m).
- Provides 270° of coverage (~90° is blocked by the pole).
- Standard factory settings:
  – 50% output when unoccupied, 100% output occupied.
  – Integral PE Sensor.
  – 5 minute post-occupancy time delay, 5 minute dimming ramp-down.
- Fixture power increase of 1W expected with sensor use.



Note: Standard options may be reprogrammed in the field. Reprogramming instructions included in product shipment.

Sensor Pattern



Sensing Pattern Area Fixture
Up to 30 ft. Mounting Height

Mounting Information

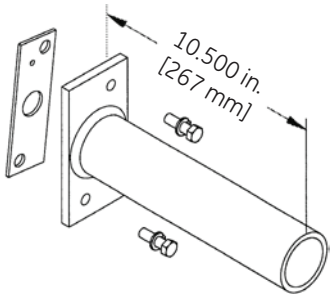
Evolve™ LED Area Light (EALS-03 & EALP-03)

Mounting Options for Integral Slipfitter - (Mounting Arm C1)

Order separately

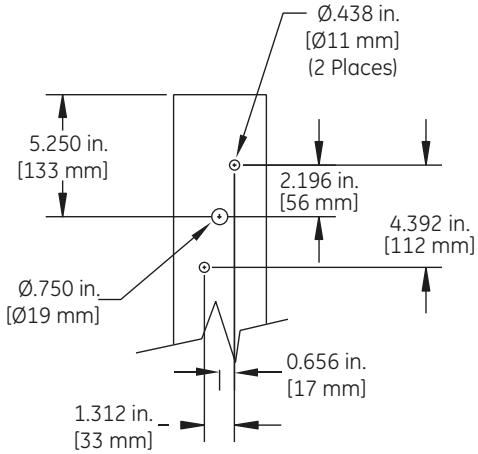
SQUARE POLE MOUNTING ARM

3.5 TO 4.5-inch (89 to 114mm) SQUARE
(WILL ALLOW 4 FIXTURES PER POLE @ 90 DEGREES.)



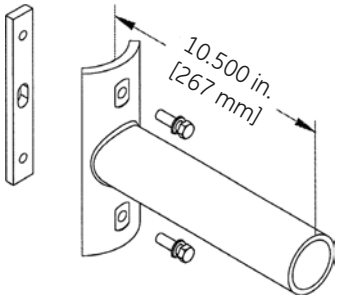
ORDER SEPARATELY FROM FIXTURE AS CATALOG NUMBER
SPA-EAMT10BLCK "Black"
SPA-EAMT10DKBZ "Dark Bronze"
SPA-EAMT10WHTE "White"
SPA-EAMT10GRAY "Gray"

SQUARE POLE MOUNTING DRILLING TEMPLATE



ROUND POLE MOUNTING ARM DRILLING TEMPLATE

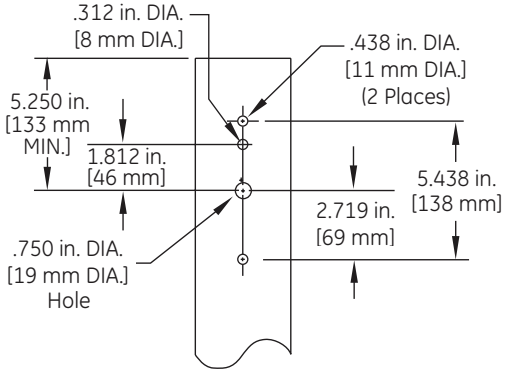
3.5 TO 4.5-inch (89 to 114mm) OD
(WILL ALLOW 4 FIXTURES PER POLE @ 90 DEGREES.)



ORDER SEPARATELY FROM FIXTURE AS CATALOG NUMBER
RPA-EAMT10BLCK "Black"
RPA-EAMT10DKBZ "Dark Bronze"
RPA-EAMT10WHTE "White"
RPA-EAMT10GRAY "Gray"

ROUND POLE MOUNTING DRILLING TEMPLATE

3.5 TO 4.5-inch (89 to 114mm) OD
round pole mounting arm



Wall Mounting Bracket Adapter Plate

ORDER SEPERATELY FROM FIXTURE AS CATALOG NUMBER
WMB-EAMT06

***NOTE:** For Wall Mounting, order luminaire with mounting arm: C1 = Slipfitter 2" Pipe (2.378 in. OD) supplied with leads.

Other mounting patterns are available for retrofit installations.
Contact manufacturing for other available mounting patterns.

RSX2 LED
Area Luminaire

Catalog Number

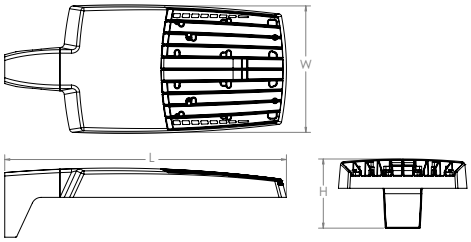
Notes

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.

Ordering Information

EXAMPLE: RSX2 LED P6 40K R3 MVOLT SPA DDBXD

RSX2 LED

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

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]
DS	Dual switching [9,14]

Shipped Installed

***Standalone and Networked Sensors/Controls (factory default settings, see table page 9)**

NLTAIR2	nLight AIR generation 2 [13,15,16]
PIRHN	Networked, Bi-Level motion/ambient sensor (for use with NLTAIR2) [13,16,17]
BAA	Buy America(n) Act Compliant

***Note: 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 [6]
EGFV	External glare full visor (360° around light aperture) [7]
BS	Bird spikes [18]

Finish

DDBXD	Dark Bronze
DBLXD	Black
DNAXD	Natural Aluminum
DWHXD	White
DDBTXD	Textured Dark Bronze
DBLBXD	Textured Black
DNATXD	Textured Natural Aluminum
DWHGXD	Textured White

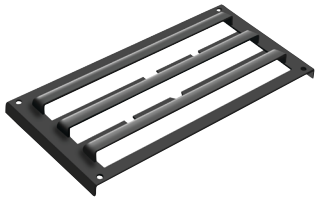
Ordering Information

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]
RSXSCB (FINISH) U DLL127F 1.5 JU	RSX Surface conduit box (specify finish, for use with WBA, WBA not included) Photocell -SSL twist-lock (120-277V) [19]
DLL347F 1.5 CUL JU	Photocell -SSL twist-lock (347V) [19]
DLL480F 1.5 CUL JU	Photocell -SSL twist-lock (480V) [19]
DSHORT SBK U	Shorting cap [19]

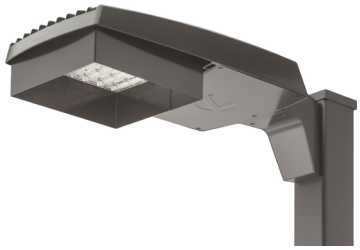
NOTES
1. Any Type 5 distribution, is not available with WBA.
2. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
3. HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
4. XVOLT driver not available with P1. XVOLT driver operates on any line voltage from 277V-480V (50/60 Hz). XVOLT not available with fusing (SF or DF) and not available with PE or PEX.
5. Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
6. Maximum tilt is 90° above horizontal.
7. It may be ordered as an accessory.
8. Requires MVOLT or 347V.
9. Not available in combination with other light sensing control options (following options cannot be combined: PE, PEX, PER7, FAO, DMG, DS, PIRHN).
10. Requires 120V, 208V, 240V, or 277V.
11. 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.
12. For units with option PER7, the mounting must be restricted to +/- 45° from horizontal aim per ANSI C136.10-2010.
13. Two or more of the following options cannot be combined including DMG, DS, PER7, FAO and PIRHN.
14. DS only available on performance package P5 and P6.
15. Must be ordered with PIRHN.
16. Requires MVOLT or HVOLT.
17. Must be ordered with NLTAIR2. For additional information on PIRHN visit here.
18. Must be ordered with fixture for factory pre-drilling.
19. 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

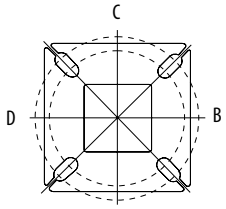


External 360 Full Visor

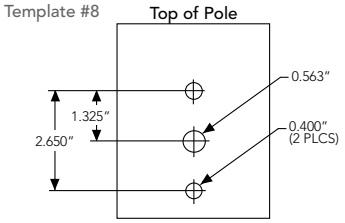
Pole/Mounting Informatiion

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

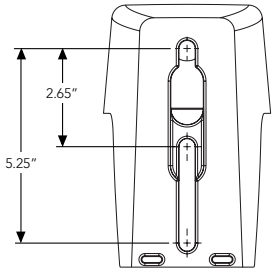
HANDHOLE ORIENTATION



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

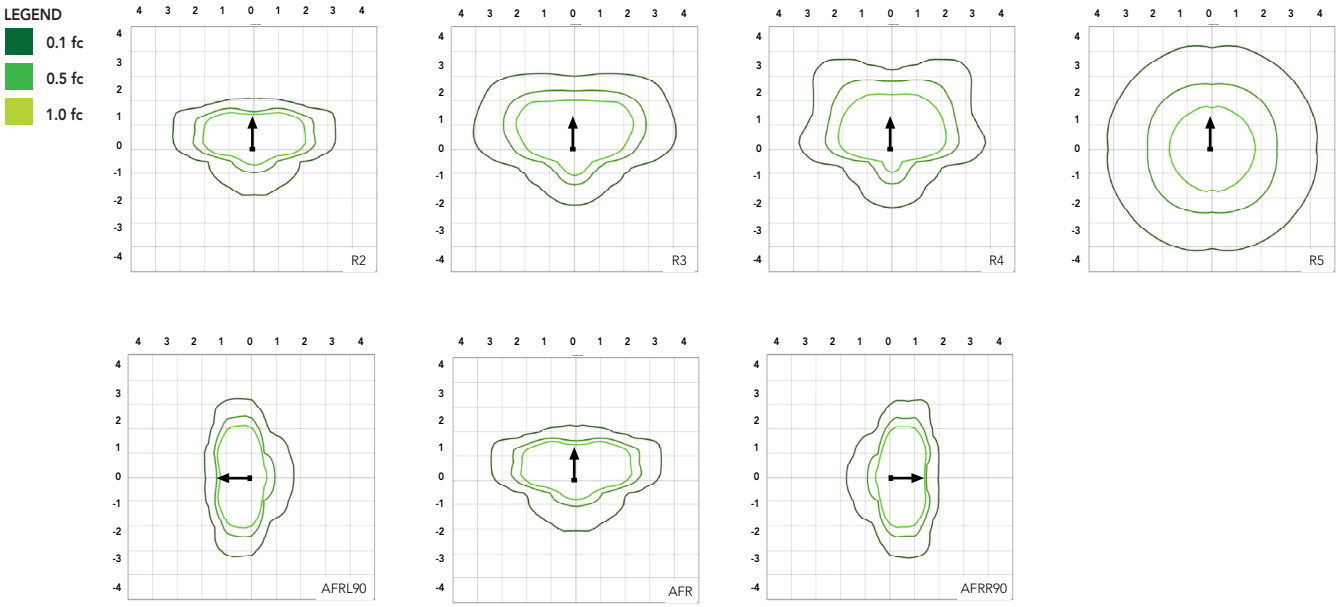
*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

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

		Current (A)					
Performance Package	System Watts (W)	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.

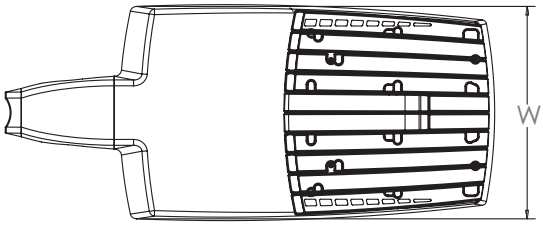
Performance Package	System Watts	Distribution. Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	71W	R2	10,040	2	0	1	139	11,031	2	0	1	153	11,031	2	0	1	153
		R3	10,005	2	0	2	141	10,992	2	0	2	155	10,992	2	0	2	155
		R3S	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

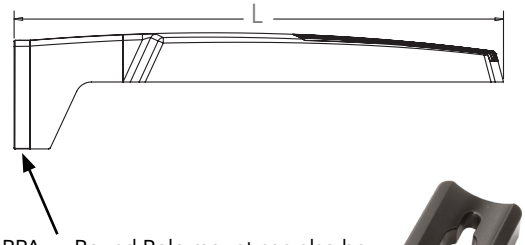
Dimensions & Weights

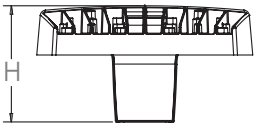
Luminaire Weight by Mounting Type

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)



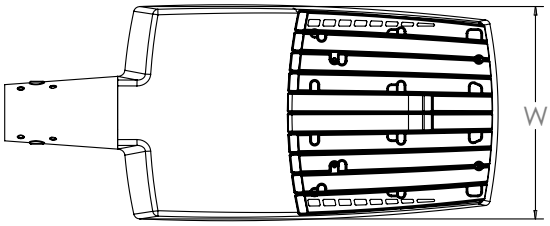


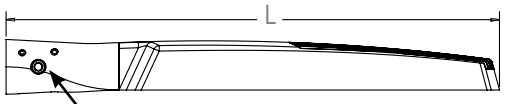


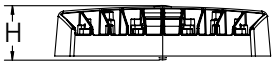
Length: 30.3" (77.0 cm)
Width: 13.4" (34.0 cm)
Height: 3.0" (7.6 cm) Main Body
7.2" (18.3 cm) Arm

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)

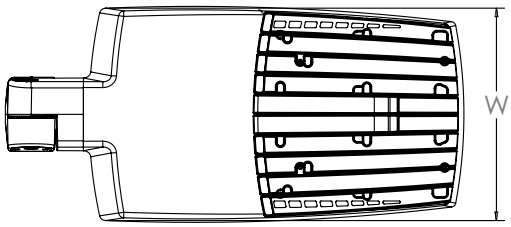


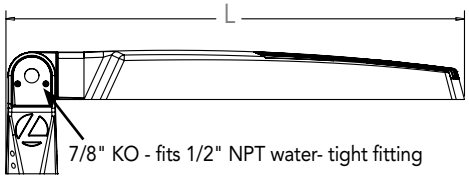


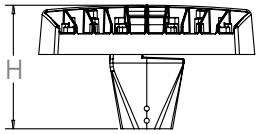


Length: 30.6" (77.7 cm)
Width: 13.4" (34.0 cm)
Height: 3.0" (7.6 cm) Main Body
3.5" (8.9 cm) Arm

RSX2 with Adjustable Slipfitter (IS)



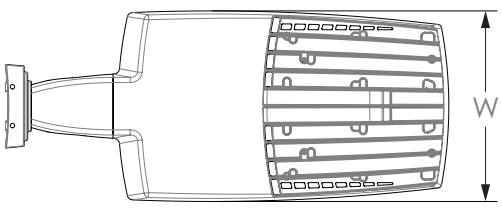


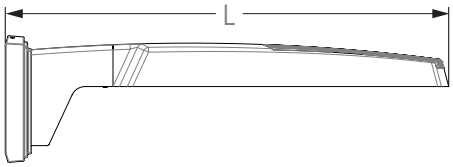


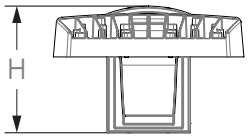
Length: 28.3" (71.9 cm)
Width: 13.4" (34.0 cm)
Height: 3.0" (7.6 cm) Main Body
7.6" (19.3 cm) Arm

Dimensions

RSX2 with Wall Bracket (WBA)

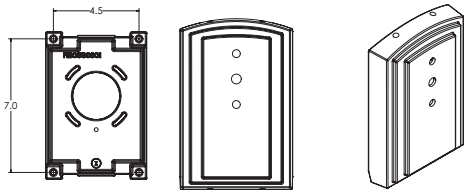




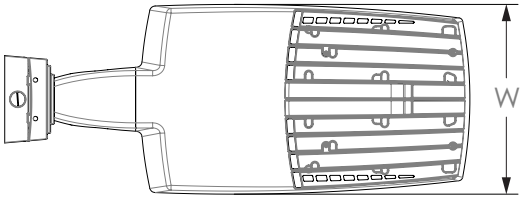


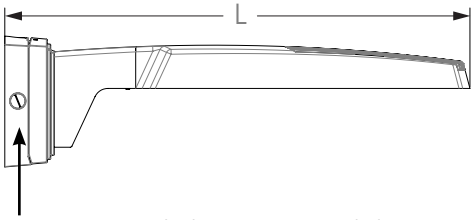
Length: 31.2" (79.2 cm)
Width: 13.4" (41.7 cm)
Height: 3.0" (7.6 cm) Main Body
8.9" (22.6 cm) Arm

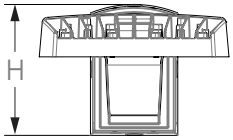
Wall Bracket (WBA) Mounting Detail



RSX2 with Wall Bracket with Surface Conduit Box (WBASC)

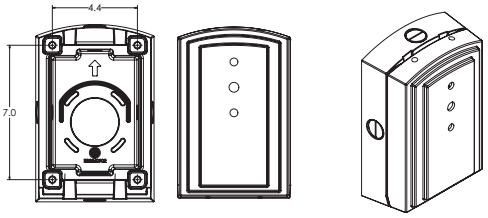






3/4" NPT taps with plugs - Qty (4) provided

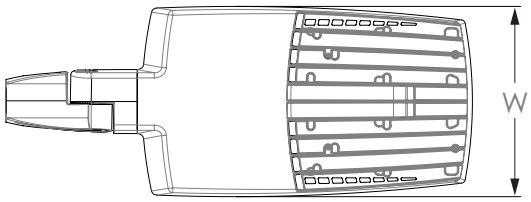
Surface Conduit Box (SCB) Mounting Detail

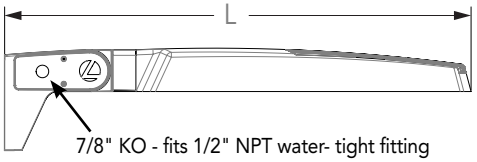


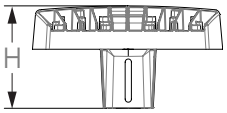
Length: 32.8" (83.3 cm)
Width: 13.4" (41.7 cm)
Height: 3.0" (7.6 cm) Main Body
9.2" (23.4 cm) Arm

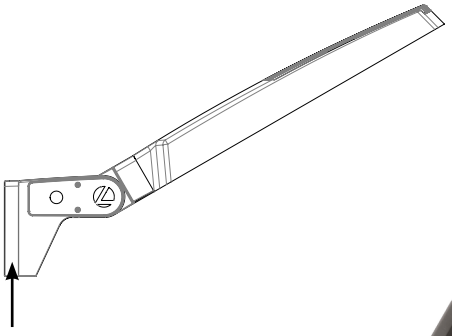
Dimensions

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

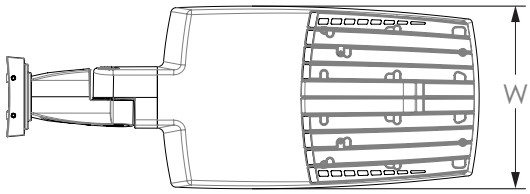
NOTE:
RPA - Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.

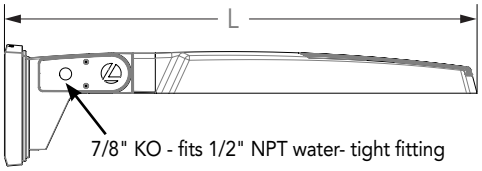
Notes

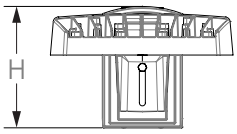
AASP: Requires 3.0" min. square pole for 1 at 90°. Requires 3.5" min. square pole for mounting 2, 3, 4 at 90°.

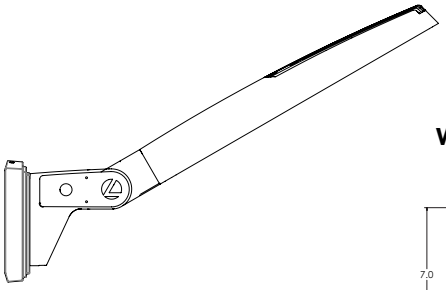
AARP: Requires 3.2" min. dia. round pole for 2, 3, 4 at 90°. Requires 3.0" min. dia. round pole for mounting 1 at 90°, 2 at 180°, 3 at 120°.

RSX2 with Adjustable Tilt Arm with Wall Bracket (AAWB)



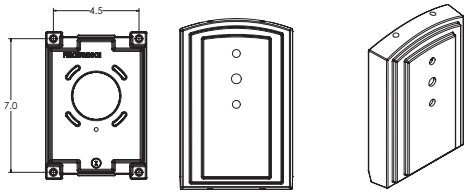






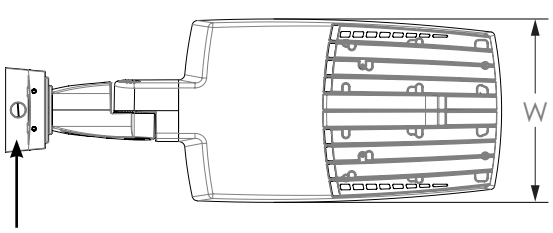
Length: 34.7" (88.0 cm)
Width: 13.4" (34.0 cm)
Height: 3.0" (7.6 cm) Main Body
8.9" (22.6 cm) Arm

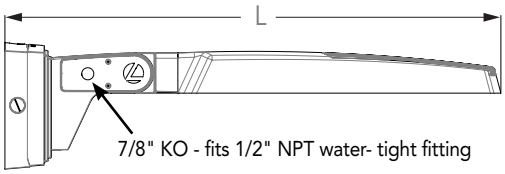
Wall Bracket (WBA) Mounting Detail

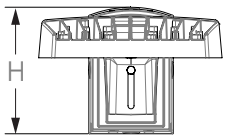


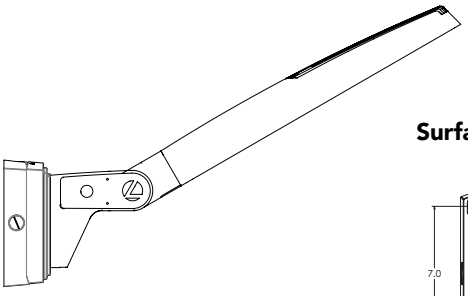
Dimensions

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



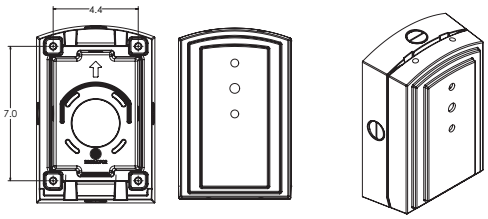




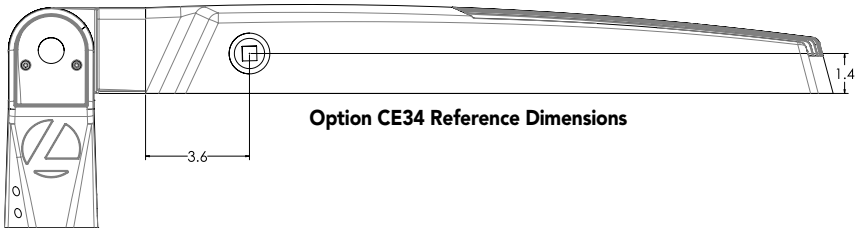


Length: 36.2" (91.9 cm)
Width: 13.4" (40.0 cm)
Height: 3.0" (7.6 cm) Main Body
9.2" (23.4 cm) Arm

Surface Conduit Box (SCB) Mounting Detail

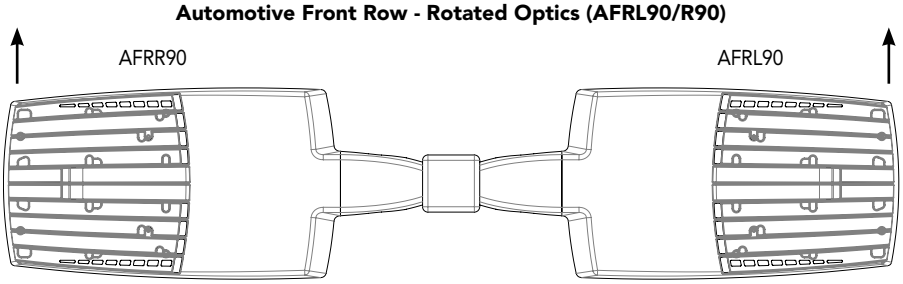


Additional Reference Drawings



Option CE34 Reference Dimensions

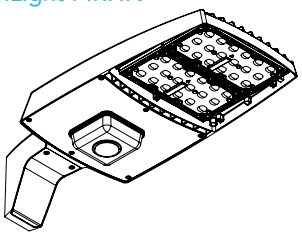
Automotive Front Row - Rotated Optics (AFRL90/R90)

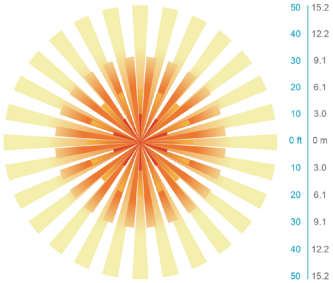


(Example: 2@180 - arrows indicate direction of light exiting the luminaire)

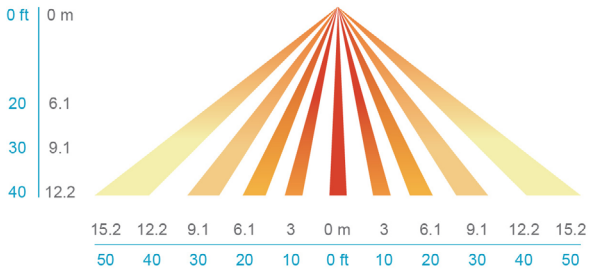
NLTAIR2 PIRHN nLight Sensor Coverage Pattern

nLight 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 titled.

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 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 AFRR90 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 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 luminaries 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 Eclypse. 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

BUY AMERICAN
Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT.
Please refer to www.acuitybrands.com/buy-american for additional information.

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.