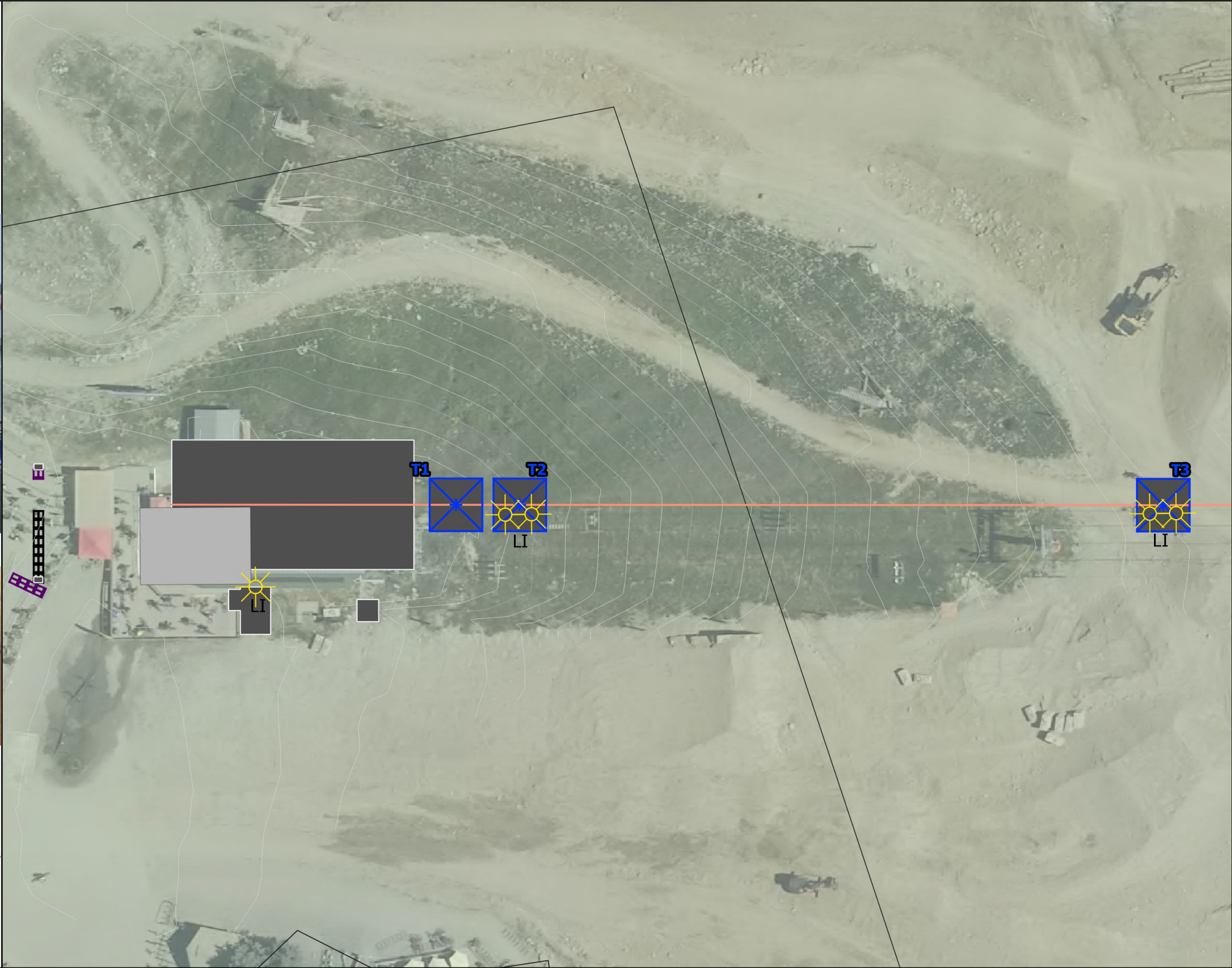
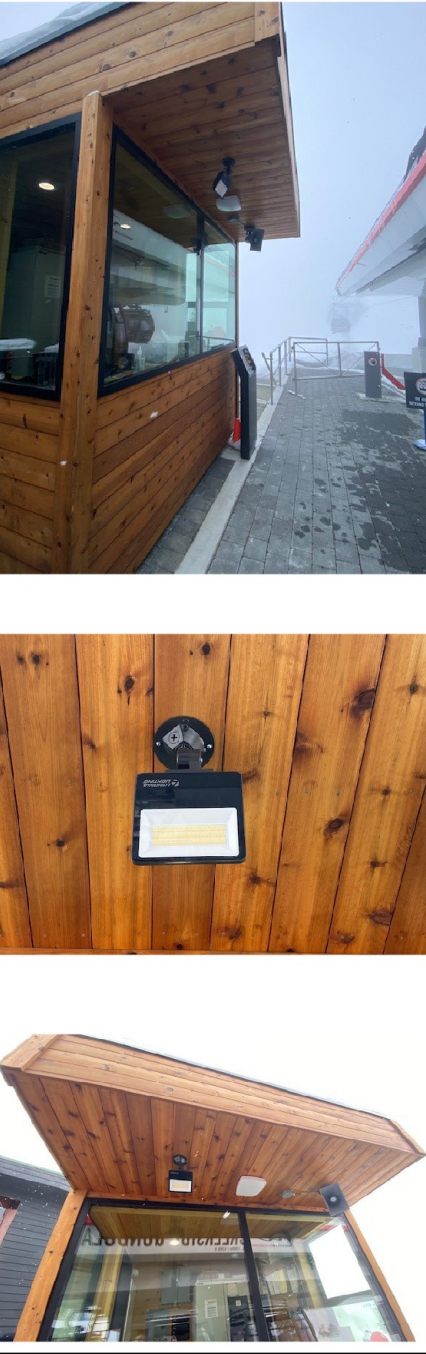


Operator Enclosure Exterior Lighting:

One single exterior light mounted under the roofline on the front of the Operator Enclosure.

Light is a Lithonia Lighting Contractor Select ESXF1 ALO SWW2KY DDB LED Floodlight.



Tower 2 and Tower 3 Exterior Lights:

Same mounting system as seen on existing tower 1 and tower 2 but will be mounted on proposed towers 2 and 3 with two updated LED lights per tower.

Lights will be Lithonia RSXF3 LED Floodlights, P2 Performance Package.







# RSXF3 LED Floodlight

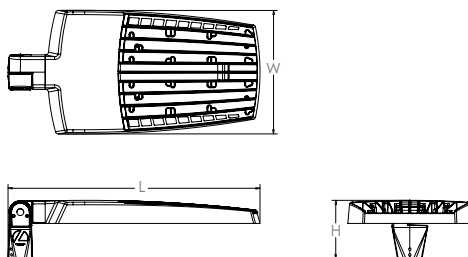


Catalog Number
Notes
Type

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

## Specifications

EPA (ft <sup>2</sup> @45°):	3.7 ft <sup>2</sup> (0.3 m <sup>2</sup> )
Length:	32.8" (83.3 cm)
Width:	16.1" (40.9 cm)
Height:	3.0" (7.6 cm) Main Body 7.6" (19.3 cm) Arm
Weight (max):	48 lbs (21.8 kg)



## Introduction

The new RSXF LED Flood family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSXF3 delivers 25,000 to 41,000 lumens allowing it to replace 400W to 1000W HID floodlights.

The RSXF features an adjustable integral slipfitter that allows the luminaire to be mounted on a 2-3/8" OD tenon. Integral cover/wire box serves as an approved splice compartment allowing for fast, easy mounting and wiring without opening the electrical compartment. A yoke and other mounting configurations are available.

## Ordering Information

**EXAMPLE:** RSXF3 LED P4 40K WFL MVOLT IS DDBXD

RSXF3 LED					
Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting
RSXF3 LED	P1 P2 P3 P4	30K 3000K 40K 4000K 50K 5000K	AWFD Area Wide Forward WFL Wide Flood MFL Medium Flood NFL Narrow Flood SP Spot NSP Narrow Spot	MVOLT (120V-277V) <sup>1</sup> HVOLT (347V-480V) <sup>2</sup> XVOLT (277V-480V) <sup>4</sup> (use specific voltage for options as noted) 120 <sup>3</sup> 277 <sup>3</sup> 208 <sup>3</sup> 347 <sup>3</sup> 240 <sup>3</sup> 480 <sup>3</sup>	IS Adjustable slipfitter (fits 2-3/8" OD tenon) <sup>5</sup> YKC64 Yoke with 16-3 SO cord, 4ft <sup>5</sup> AASP Adjustable tilt arm square pole mounting <sup>5</sup> AARP Adjustable tilt arm round pole mounting <sup>5</sup> AAWB Adjustable tilt arm with wall bracket <sup>5</sup> AAWSC Adjustable tilt arm wall bracket and surface conduit box <sup>5</sup>

Options		Finish	
<b>Shipped Installed</b> PE Photocontrol, button style <sup>6,8</sup> PEX Photocontrol external threaded, adjustable <sup>7,8</sup> PER7 Seven-wire twist-lock receptacle only (no controls) <sup>8,9,10,11</sup> CE34 Conduit entry 3/4" NPT (Qty 2) SF Single fuse (120, 277, 347) <sup>3</sup> DF Double fuse (208, 240, 480) <sup>3</sup> SPD20KV 20KV Surge pack (10KV standard) FAO Field adjustable output <sup>8,11</sup> DMG 0-10V dimming extend out back of housing for external control (control ordered separate) <sup>8,11</sup>		<b>Shipped Installed</b> <b>*Standalone and Networked Sensors/Controls (factory default settings, see table page 5)</b> NLTAIR2 nLight AIR generation 2 <sup>11,13,14</sup> PIRHN Networked, Bi-Level motion/ambient sensor (for use with NLTAIR2) <sup>8,11,13,15</sup> BAA Buy America(n) Act Compliant	
<b>Shipped Separately (requires some field assembly)</b> FV Full Visor (360° around light aperture) UBV Upper/bottom visor BS Bird spikes <sup>12</sup>		<b>*Note:</b> PIRHN with nLight Air can be used as a standalone or networked solution. Sensor coverage pattern is affected when luminaire is tilted.	
		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.

RSXF3FV U	Full visor (specify finish)
RSXF3UBV U	Upper/bottom visor (specify finish)
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) <sup>16</sup>
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) <sup>16</sup>
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) <sup>16</sup>
DSHORT SBK U	Shorting cap <sup>16</sup>

### NOTES

- 1 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- 2 HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
- 3 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- 4 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 Maximum tilt is 90° above horizontal.
- 6 Requires MOVLT or 347V.
- 7 Requires 120V, 208V, 240V, 277V or 347V.
- 8 Not available in combination with other light sensing control options (following options cannot be combined: PE, PEX, PER7, FAO, DMG, PIRHN). Exception: PE or PEX and FAO can be combined.

- 9 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.
- 10 For units with option PER7, the mounting must be restricted to +/- 45° from horizontal aim per ANSI C136.10-2010.
- 11 Two or more of the following options cannot be combined including DMG, PER7, FAO and PIRHN.
- 12 Must be ordered with fixture for factory pre-drilling.
- 13 Must be ordered with PIRHN.
- 14 Requires MVOLT or HVOLT.
- 15 Must be ordered with NLTAIR2. For additional information on PIRHN visit [here](#).
- 16 Requires luminaire to be specified with PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.

## External Shields



UBV Visor - Top Mounted



UBV Visor - Bottom Mounted

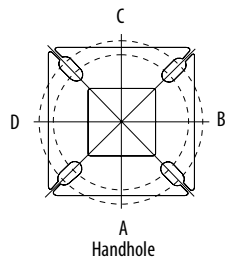


Full Visor - 360°

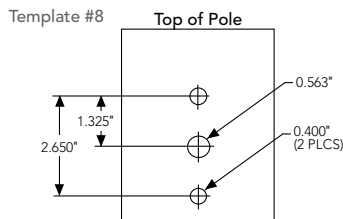
## Pole/Mounting Information

Accessories including bullhorns, cross arms and other adapters are available on pages X-XX. For the complete line of accessories available, visit the accessories tab at Lithonia's Outdoor Poles and Arms product page. Click here to visit [Accessories](#).

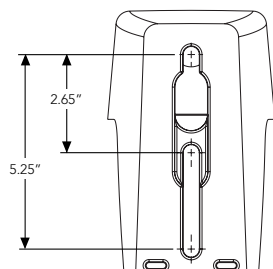
### HANDHOLE ORIENTATION



### RSX POLE DRILLING



### RSXF ADJUSTABLE ARM



### Round Tenon Mount - Pole Top Slipfitters










Tenon O.D.	RSX Mounting	Single	2 @ 180	2 @ 90	3 @ 120	3 @ 90	4 @ 90
2 - 3/8"	AARP	AS3-5190	AS3-5280	AS3-5290	AS3-5320	AS3-5390	AS3-5490
2 - 7/8"	AARP	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	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
#8	Head Location	Side B	Side B & D	Side B & C	Round Pole Only	Side B, C & D	Side A, B, C & D
	Drill Nomenclature	DM19AS	DM28AS	DM29AS	DM32AS	DM39AS	DM49AS

### RSXF3 - Luminaire EPA

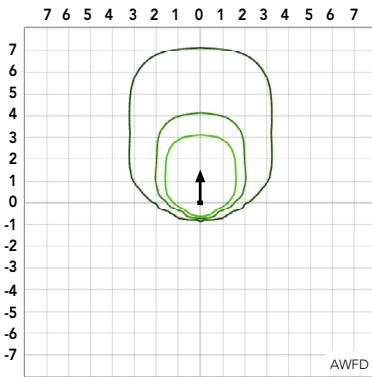
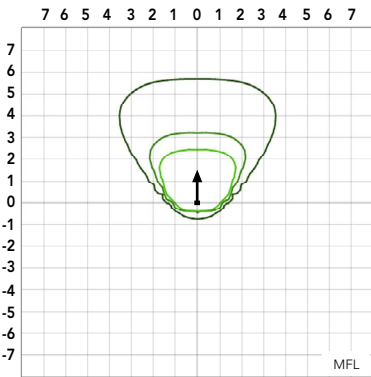
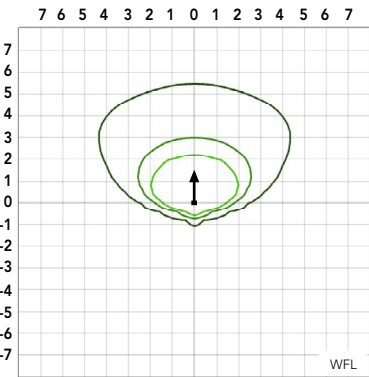
\*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration		EPA (ft²)								
Mounting Type	Tilt									
IS - Integral Slipfitter YK - Yoke AASP/AARP - Adjustable Arm Square/Round Pole	0°	0.7	1.32	1.37	2	1.76	2.62	1.39	2.09	2.8
	10°	0.96	1.85	1.84	2.76	2.4	3.64	1.92	1.92	3.84
	20°	1.34	2.58	2.64	3.83	3.35	5.11	2.68	2.68	5.36
	30°	2.04	3.52	3.79	5.2	4.7	7.03	4.09	4.09	8.16
	40°	3.12	4.54	5.23	6.6	6.33	9.02	6.23	6.23	12.48
	45°	3.72	5.05	6.12	7.35	7.15	10.01	7.45	7.45	14.88
	50°	4.01	5.49	6.6	7.87	7.81	10.88	8.02	8.02	16.04
	60°	4.72	6.36	7.69	9.09	9.11	12.61	9.44	9.44	18.88
	70°	4.9	7.01	8.05	10.02	9.78	13.94	9.80	9.80	19.6
	80°	4.95	7.4	8.23	10.61	10.26	14.75	9.90	9.90	19.8
90°	4.91	7.55	8.34	10.88	10.54	15.05	9.82	9.82	19.64	

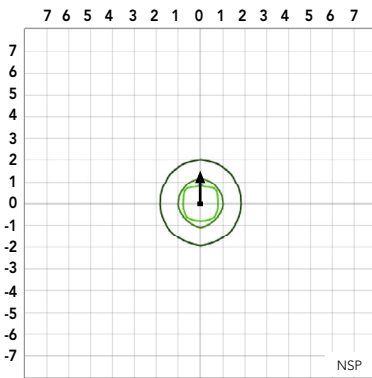
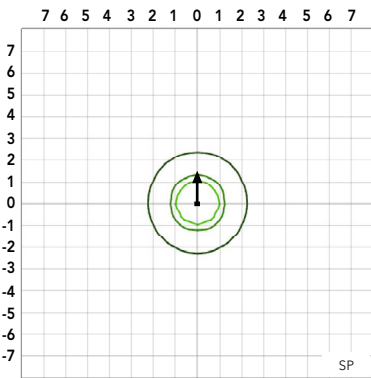
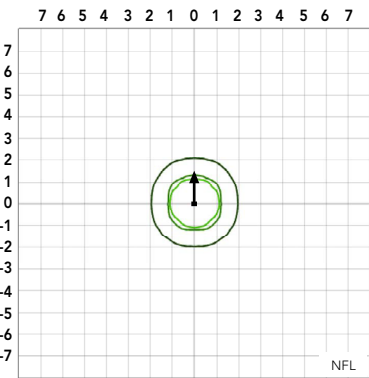
Isofootcandle plots for the RSXF3 LED P4 40K. Distances are in units of mounting height (30').

- LEGEND
- 0.1 fc
  - 0.5 fc
  - 1.0 fc

Luminaires tilted at 45°



Luminaires tilted at 0°



## Performance Data

### Lumen Ambient Temperature (LAT) Multipliers

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

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

### Electrical Load

Performance Package	System Watts (W)	Current (A)					
		120V	208V	240V	277V	347V	480V
P1	194W	1.61	0.92	0.80	0.69	0.56	0.40
P2	222W	1.85	1.06	0.92	0.80	0.63	0.45
P3	266W	2.22	1.27	1.10	0.95	0.76	0.55
P4	312W	2.60	1.49	1.29	1.11	0.89	0.64

### Projected LED Lumen Maintenance

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

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

### Lumen Output

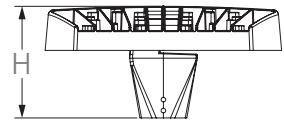
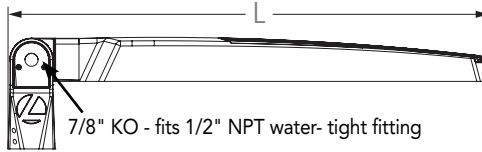
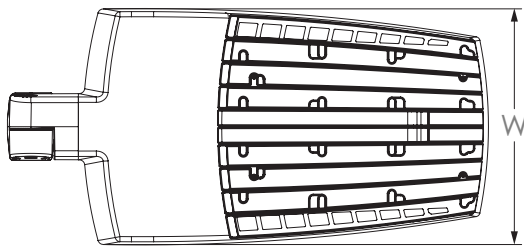
Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Distribution Type	Field Angle		Beam Angle		30K (3000K, 70 CRI)			40K (4000K, 70 CRI)			50K (5000K, 70 CRI)		
			°H	°V	°H	°V	Lumens	LPW	Max CD	Lumens	LPW	Max CD	Lumens	LPW	Max CD
P1	194W	AWFD	119	120	69	41	24,880	128	20,380	27,336	141	22,392	27,336	141	22,392
		WFL	133	129	116	80	24,376	126	10,378	26,782	138	11,402	26,782	138	11,402
		MFL	105	110	91	96	25,421	131	11,541	27,930	144	12,680	27,930	144	12,680
		NFL	78	79	44	45	24,536	126	36,280	26,957	139	39,860	26,957	139	39,860
		SP	48	48	27	27	23,747	122	75,642	26,091	134	83,109	26,091	134	83,109
		NSP	42	44	19	21	24,165	125	127,593	26,550	137	140,186	26,550	137	140,186
P2	222W	AWFD	119	120	69	41	27,942	126	22,888	30,700	138	25,147	30,700	138	25,147
		WFL	133	129	116	80	27,376	123	11,655	30,078	135	12,806	30,078	135	12,806
		MFL	105	110	91	96	28,549	129	12,961	31,367	141	14,240	31,367	141	14,240
		NFL	78	79	44	45	27,555	124	40,744	30,275	136	44,766	30,275	136	44,766
		SP	48	48	27	27	26,670	120	84,953	29,302	132	93,337	29,302	132	93,337
		NSP	42	44	19	21	27,139	122	143,296	29,817	134	157,436	29,817	134	157,436
P3	266W	AWFD	119	120	69	41	32,398	122	26,538	35,596	134	29,158	35,596	134	29,158
		WFL	133	129	116	80	31,742	119	13,514	34,875	131	14,848	34,875	131	14,848
		MFL	105	110	91	96	33,103	124	15,028	36,369	137	16,511	36,369	137	16,511
		NFL	78	79	44	45	31,950	120	47,243	35,103	132	51,905	35,103	132	51,905
		SP	48	48	27	27	30,923	116	98,500	33,975	128	108,222	33,975	128	108,222
		NSP	42	44	19	21	31,467	118	166,148	34,572	130	182,543	34,572	130	182,543
P4	312W	AWFD	119	120	69	41	36,634	117	30,008	40,249	129	32,969	40,249	129	32,969
		WFL	133	129	116	80	35,892	115	15,281	39,434	126	16,789	39,434	126	16,789
		MFL	105	110	91	96	37,430	120	16,993	41,124	132	18,670	41,124	132	18,670
		NFL	78	79	44	45	36,127	116	53,419	39,692	127	58,691	39,692	127	58,691
		SP	48	48	27	27	34,966	112	111,379	38,416	123	122,368	38,416	123	122,368
		NSP	42	44	19	21	35,581	114	187,870	39,092	125	206,409	39,092	125	206,409

**Note: XVOLT configurations only for all RSXF3 LED P4** — Inputs watts is reduced by 9% to 285W. Delivered lumens reduced by 8% for all published values under P4. IES files for RSXF3 LED P4 with XVOLT are available on [Acuitybrands.com](http://Acuitybrands.com).

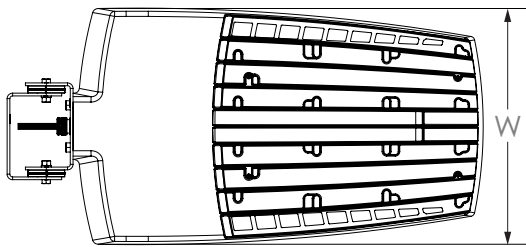
## Dimensions

### RSXF3 with Adjustable Slipfitter (IS)



Length: 32.8" (83.3 cm)  
 Width: 16.1" (40.9 cm)  
 Height: 3.0" (7.6 cm) Main Body  
 7.6" (19.3 cm) Arm

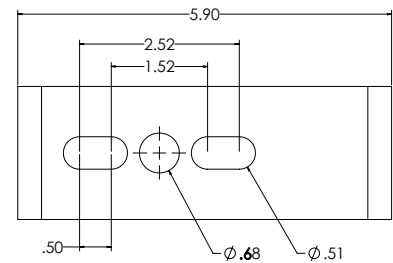
### RSXF3 with Yoke (YKC64)



Length: 32.5" (82.6 cm)  
 Width: 16.1" (40.9 cm)  
 Height: 3.0" (7.6 cm) Main Body

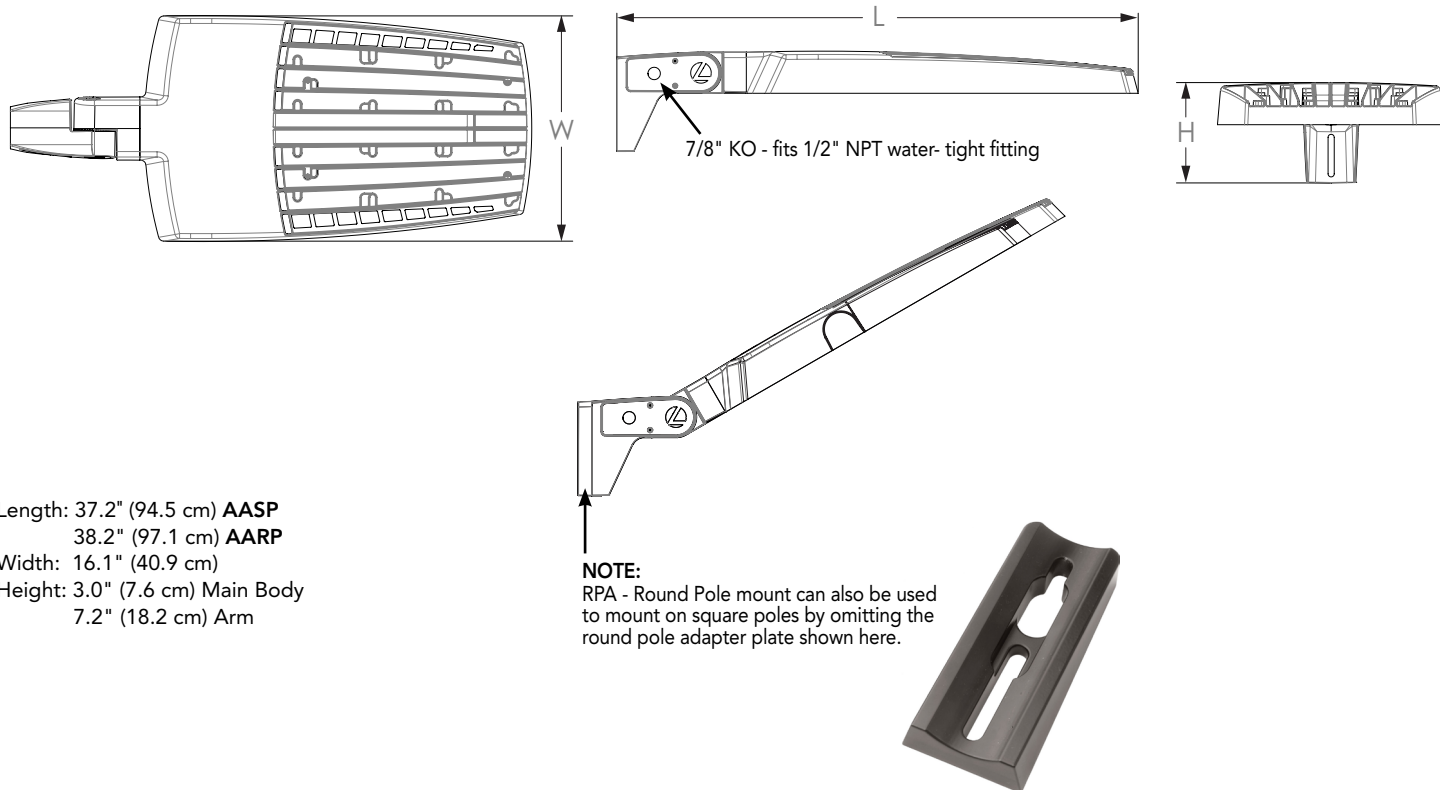
### Yoke (YK) Mounting Detail

**Note:** Mounting hole pattern is in-line with center of luminaire



## Dimensions

### RSXF3 with Adjustable Tilt Arm - Square or Round Pole (AASP or AARP)



Length: 37.2" (94.5 cm) **AASP**  
 38.2" (97.1 cm) **AARP**  
 Width: 16.1" (40.9 cm)  
 Height: 3.0" (7.6 cm) Main Body  
 7.2" (18.2 cm) Arm

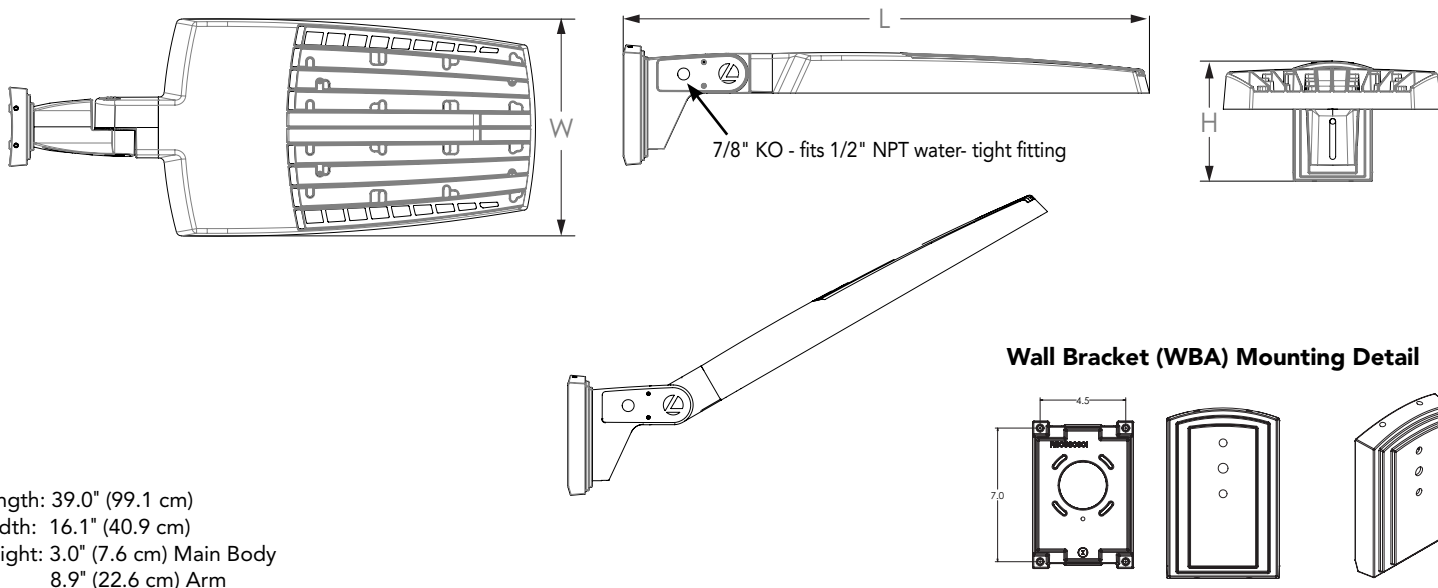
**NOTE:**  
 RPA - Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.

#### Notes

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

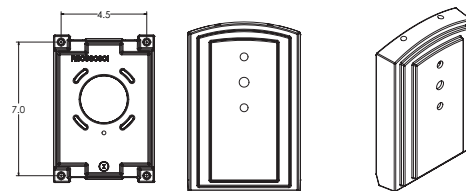
AARP: Requires 3.2" min. dia. round pole for 2, 3, 4 at 90°. Requires 3.0" min. dia. round pole for mounting 1 at 90°, 2 at 180°, 3 at 120°.

### RSXF3 with Adjustable Tilt Arm with Wall Bracket (AAWB)



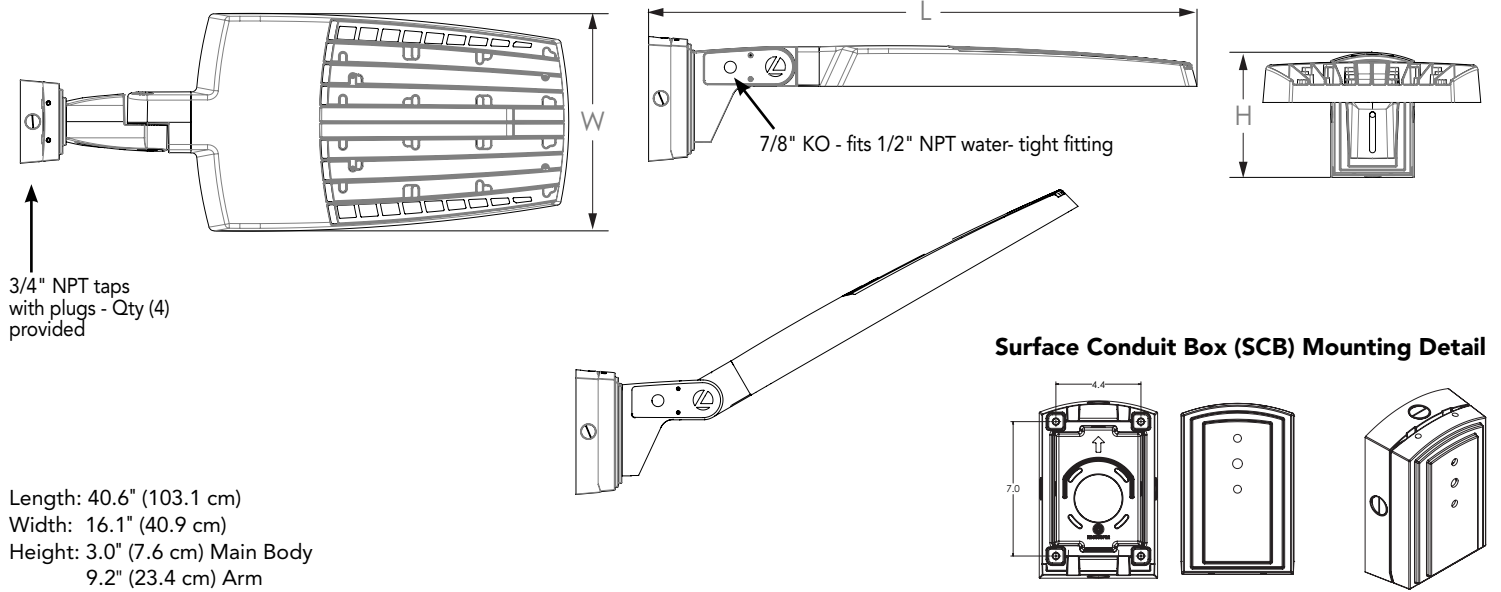
Length: 39.0" (99.1 cm)  
 Width: 16.1" (40.9 cm)  
 Height: 3.0" (7.6 cm) Main Body  
 8.9" (22.6 cm) Arm

#### Wall Bracket (WBA) Mounting Detail

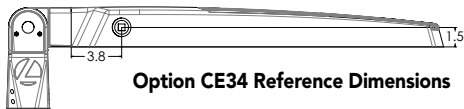


## Dimensions

### RSXF3 with Adjustable Tilt Arm with Wall Bracket and Surface Conduit Box (AAWSC)



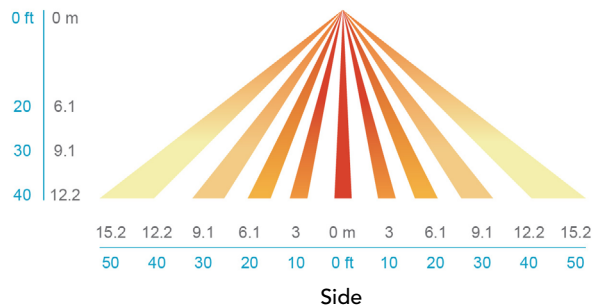
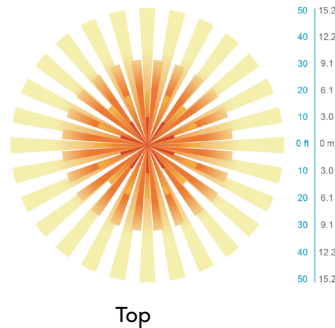
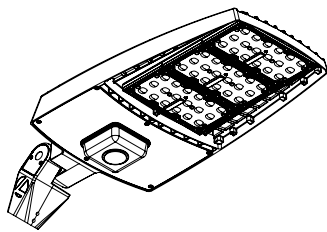
### Additional Reference Drawings





## PIRHN nLight Sensor Coverage Pattern

### nLight PIRHN



Motion Sensor Default Settings - Option PIRHN

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

\*Note: PIRHN default settings including photocell set-point, high/low dim rates, and occupancy sensor time delay are all configurable using the Clarity Pro App.

## FEATURES & SPECIFICATIONS

### INTENDED USE

The RSX LED flood 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 RSXF3 delivers 25,000 to 41,000 lumens and is ideal for replacing 400W to 100W HID floodlights in parking lots and other area lighting applications.

### CONSTRUCTION

The RSX LED flood 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 adjustable slipfitter mounts on a 2 3/8" OD tenon. The adjustable slipfitter has an integral junction box for easy installation. 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 136.31: RSXF and mountings rated for 3G vibration include IS, YK, AASP and AARP. RSXF and mountings rated for 1.5G vibration include AAWB and AAWSC.

### 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 Wide Flood, Medium Flood, Narrow Flood, Spot, Narrow Spot and an Area Wide/Forward distribution pattern featuring a strong forward throw reach that is ideal for lighting large areas from the perimeter.

### ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs mounted on metal-core circuit boards and aluminum heat sinks to maximize heat dissipation. Light engines are IP66 rated. LED lumen maintenance is >L92/100,000 hours. CCT's of 3000K, 4000K and 5000K (minimum 70 CRI) are available. Fixtures ship standard with 0-10v dimming driver. Class 1 electronic drivers ensure system power factor >90% and THD <20%. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

### STANDARD CONTROLS

The RSX LED flood 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 RSXF LED flood luminaire is also available with nLight® AIR which can be used for simple motion occupancy dimming or 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 CLARITY app. nLight AIR equipped luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclipse. Additional information about nLight Air can be found [here](#).

### INSTALLATION

The integral "IS" mount offers an adjustable slipfitter that mounts on a 2 3/8" OD tenon. The adjustable slipfitter has an integral junction box and offers easy installation, wiring and precision distribution pattern aiming. A steel yoke mount is also available and includes a water tight cord grip and cord. Additional mountings are available including an adjustable tilt arm for direct-to-pole and wall and a surface conduit box for wall mount applications. All mountings are adjustable in 5° increments. RSXF flood is not rated for tilting above 90° or mounting within 4 feet of ground. Can be tilted up to 90° above horizontal.

### LISTINGS

CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified. International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only. U.S. Patent No. D882,156S

### 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](http://www.acuitybrands.com/buy-american) for additional information.

### WARRANTY

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

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



Catalog Number
Notes
Type

Contractor Select™

# ESXF LED

Floodlights

Adjustable+Switchable+Photocell

The Lithonia Lighting® ESXF LED floodlight is a general-purpose flood that offers a wide selection of options and flexibility. Easy access to adjustable lumen output, color switching, and a selectable photocell turns the ESXF into the fixture you need on the spot. With its wide flood (7x7) distribution and DLC performance, the ESXF is a cost-effective solution, great for illuminating yards, driveways, signage, patios, warehouses, and security applications.

## FEATURES:

- Four sizes deliver 1,500 up to 20,000 lumens
- Three power levels of adjustable lumen output. Switchable CCT(30K/40K/50K) offers warm, cool and daylight in a single fixture
- Standard photocell can be turned on or off
- IP66 rated, Die-cast aluminum housing
- Two popular mounting options included
- up to 171 LPW



ESXF1 P0 knuckle mount



ESXF1 knuckle mount



ESXF2 knuckle mount



ESXF3 slipfitter mount



ESXF4 slipfitter mount



Adjustable Lumen Output ALO






Switchable CCT SWW2



Dusk-to-Dawn Operation PE



Catalog Number	 Adjustable Lumen Output ALO			 Switchable CCT SWW2	 Dusk-to-Dawn Operation PE	Input Voltage	Included Mounting Options	CRI
ESXF1 P0 SWW2 THK DDB	2500L			Switchable 3000K, 4000K, 5000K	Included Standard, Selectable On/Off	120-277V	Knuckle Only, mounting plate	80CRI
ESXF1 ALO SWW2 KY DDB	1500L	3000L	5000L			120-277V	Knuckle & Yoke, mounting plate	
ESXF2 ALO SWW2 KY DDB	3500L	5500L	7500L			120-277V	Knuckle & Yoke, mounting plate	
ESXF3 ALO SWW2 YS DDB	8500L	10500L	14000L			120-277V	Yoke & SlipFitter	
ESXF3 ALO SWW2 UVOLT YS DDB						120-347V	Yoke & SlipFitter	
ESXF4 ALO SWW2 YS DDB	16000L	18000L	20000L			120-277V	Yoke & SlipFitter	
ESXF4 ALO SWW2 UVOLT YS DDB						120-347V	Yoke & SlipFitter	

More configurations are available. [Click here](#) or visit [www.acuitybrands.com](http://www.acuitybrands.com) and search for ESXF LED.

## ESXF Stock Configurations

Catalog Number	UPC	Ci Code	Number of fixtures per pallet	Traditional Replacement
ESXF1 P0 SWW2 THK DDB	00196182393051	*276AL6	400	150W Quartz or 75W HID
ESXF1 ALO SWW2 KY DDB	00196182393204	*276ALH	400	500W Quartz or 150W HID
ESXF2 ALO SWW2 KY DDB	00196182393242	*276ALU	360	500W Quartz or 175W HID
ESXF3 ALO SWW2 YS DDB	00196182393266	*276ALW	144	250W HID
ESXF3 ALO SWW2 UVOLT YS DDB	00196182393273	*276AM0	144	250W HID
ESXF4 ALO SWW2 YS DDB	00196182393280	*276AM2	144	400W HID
ESXF4 ALO SWW2 UVOLT YS DDB	00196182393297	*276AM4	144	400W HID

**Accessories:** Order as separate catalog number.

ESXF P0 and ESXF1 yoke mount accessory

\*276ARA ESXF1YK DDB

Click here to visit [Accessories](#).



### Included mounting options by size

ESXF1 P0 knuckle mount (pre-installed)	ESXF1 knuckle mount (pre-installed)	ESXF2 knuckle mount (pre-installed)	ESXF3 slipfitter mount	ESXF4 slipfitter knuckle
	ESXF1 yoke mount	ESXF2 yoke mount	ESXF3 yoke mount	ESXF4 yoke mount

### Electrical Performance Tables

	Lumen Output	Input Wattage	CCT/80CRI	Delivered Lumens	Lumens Per Watt @ 4000K, 80CRI
ESXF1 P0	2500L	17W	3000K	2,372	151
			4000K	2,522	
			5000K	2,503	
ESXF1	1500L	9W	3000K	1,467	171
			4000K	1,560	
			5000K	1,549	
	3000L	19W	3000K	2,915	162
			4000K	3,099	
			5000K	3,076	
	5000L	34W	3000K	4,748	147
			4000K	5,047	
			5000K	5,010	

	Lumen Output	Input Wattage	CCT/80CRI	Delivered Lumens	Lumens Per Watt @ 4000K, 80CRI
ESXF3	8500L	53W	3000K	8,139	163
			4000K	8,653	
			5000K	8,589	
	10500L	69W	3000K	10,156	156
			4000K	10,797	
			5000K	10,718	
	14000L	100W	3000K	13,609	145
			4000K	14,469	
			5000K	14,362	

	Lumen Output	Input Wattage	CCT/80CRI	Delivered Lumens	Lumens Per Watt @ 4000K, 80CRI
ESXF2	3500L	22W	3000K	3,377	163
			4000K	3,591	
			5000K	3,564	
	5500L	37W	3000K	5,315	151
			4000K	5,651	
			5000K	5,609	
	7500L	56W	3000K	7,223	137
			4000K	7,680	
			5000K	7,623	

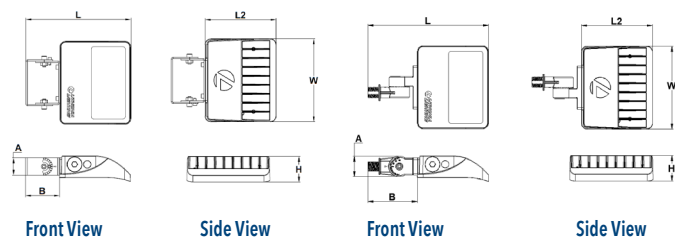
	Lumen Output	Input Wattage	CCT/80CRI	Delivered Lumens	Lumens Per Watt @ 4000K, 80CRI
ESXF4	16000L	111W	3000K	15,508	148
			4000K	16,487	
			5000K	16,366	
	18000L	124W	3000K	17,274	148
			4000K	18,365	
			5000K	18,230	
	20000L	150W	3000K	19,583	139
			4000K	20,819	
			5000K	20,666	



## Dimensions

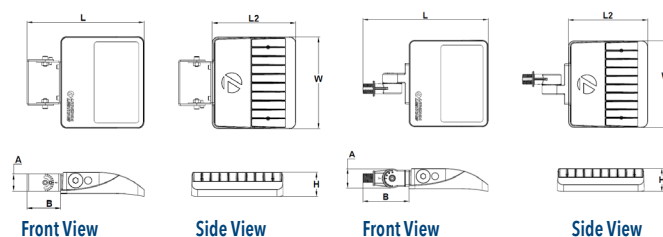
All dimensions are inches (centimeters) unless otherwise indicated.

### ESXF1



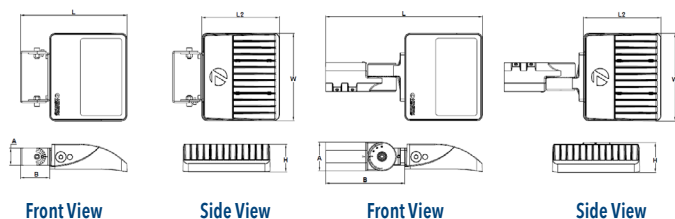
Luminaire	Length (L)	Width (W)	Height (H)	Yoke/Knuckle		L2	Weight
				A (Height)	B (Length)		
	Dimensions in inches" (centimeters)						Pounds (kg)
ESXF1 SWW2 ALO KY (Yoke)	7.65" (27.8cm)	6.04" (15.4cm)	1.86" (4.7cm)	1.26" (3.2cm)	2.48" (6.3cm)	5.17" (13.2cm)	2.31 lbs (1.048 kg)
ESXF1 SWW2 PO/ALO KY (Knuckle)	8.77" (22.3cm)	6.04" (15.4cm)	1.86" (4.7cm)	1.5" (3.8cm)	3.59" (9.1cm)	5.17" (13.2cm)	2.17 lbs (0.986 kg)

### ESXF2



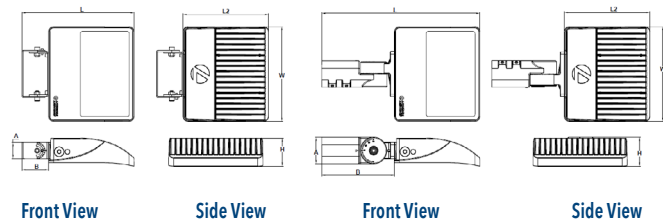
Luminaire	Length (L)	Width (W)	Height (H)	Yoke/Knuckle		L2	Weight
				A (Height)	B (Length)		
	Dimensions in inches" (centimeters)						Pounds (kg)
ESXF2 SWW2 ALO KY (Yoke)	8.64" (21.9cm)	6.75" (17.1cm)	1.8" (4.6cm)	1.26" (3.2cm)	2.48" (6.3cm)	6.16" (15.6cm)	2.92 lbs (1.324 kg)
ESXF2 SWW2 ALO KY (Knuckle)	9.75" (24.8cm)	6.75" (17.1cm)	1.8" (4.6cm)	1.5" (3.8cm)	3.59" (9.1cm)	6.16" (15.6cm)	2.79 lbs (1.264 kg)

### ESXF3



Luminaire	Length (L)	Width (W)	Height (H)	Yoke/Knuckle		L2	Weight
				A (Height)	B (Length)		
	Dimensions in inches" (centimeters)						Pounds (kg)
ESXF3 SWW2 ALO SY (Yoke)	10.54" (19.4cm)	8.95" (22.7cm)	2.84" (7.2cm)	1.77" (4.5cm)	2.99" (7.6cm)	7.97" (20.2cm)	6.21 lbs (2.818 kg)
ESXF3 SWW2 ALO SY (Slipfitter)	16.07" (40.8cm)	8.95" (22.7cm)	3.04" (7.7cm)	2.95" (7.5cm)	8.11" (7.5cm)	7.97" (20.2cm)	6.48 lbs (2.938 kg)

### ESXF4

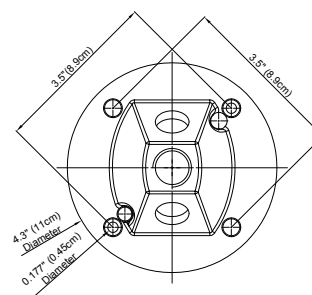


Luminaire	Length (L)	Width (W)	Height (H)	Yoke/Knuckle		L2	Weight
				A (Height)	B (Length)		
	Dimensions in inches" (centimeters)						Pounds (kg)
ESXF4 SWW2 ALO SY (Yoke)	12.54" (31.8cm)	10.54" (26.8cm)	3.12" (7.9cm)	1.77" (4.5cm)	2.99" (7.6cm)	9.55" (24.3cm)	8.17 lbs (3.706 kg)
ESXF4 SWW2 ALO SY (Slipfitter)	17.66" (44.8cm)	10.54" (26.8cm)	3.22" (8.2cm)	2.95" (7.5cm)	8.11" (20.6cm)	9.55" (24.3cm)	8.43 lbs (3.824 kg)

## EPA Data

	Angle of Tilt	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°
ESXF1	Project Area(ft <sup>2</sup> )	0.078	0.114	0.15	0.183	0.21	0.231	0.246	0.25	0.25	0.25
	EPA(ft <sup>2</sup> )	0.0936	0.1368	0.18	0.2196	0.252	0.2772	0.2952	0.3	0.3	0.3
ESXF2	Project Area(ft <sup>2</sup> )	0.09	0.133	0.182	0.226	0.263	0.293	0.314	0.325	0.326	0.32
	EPA(ft <sup>2</sup> )	0.108	0.1596	0.2184	0.2712	0.3156	0.3516	0.3768	0.39	0.3912	0.384
ESXF3	Project Area(ft <sup>2</sup> )	0.23	0.285	0.383	0.471	0.548	0.608	0.65	0.673	0.674	0.66
	EPA(ft <sup>2</sup> )	0.276	0.342	0.4596	0.5652	0.6576	0.7296	0.78	0.8076	0.8088	0.792
ESXF4	Project Area(ft <sup>2</sup> )	0.23	0.365	0.494	0.609	0.707	0.785	0.84	0.869	0.87	0.81
	EPA(ft <sup>2</sup> )	0.276	0.438	0.5928	0.7308	0.8484	0.942	1.008	1.0428	1.044	0.972

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







## Specifications

### INTENDED USE:

The ESXF LED floodlight is designed to provide a cost effective, energy-efficient solution for the one-for-one replacement of existing traditional sources ranging from 150W quartz up to 400W metal halide. ESXF is well suited for general illumination of parking lots, signage, yards, walkways, landscaping, and other floodlighting applications. ESXF luminaires deliver a uniform, wide flood 7x7 light distribution.

### CONSTRUCTION:

The ESXF LED floodlight features sealed die-cast aluminum body and is IP66 listed to withstand moisture and the elements for years to come.

### ELECTRICAL:

ESXF features adjustable lumen output include, low, medium, and high. (ESXF P0 static only). Switchable CCT includes between 3000K(warm), 4000K(neutral) or 5000K(daylight) and a selectable dusk to dawn photocell that automatically turns the fixture on in the evening and off the next morning.

Standard 6kV surge protection tested in accordance to ANSI/IEEE C62.41.2) Category C. ESXF LED luminaires use MVOLT (120-277V) as well as UVOLT (120-347V) on select models. Adjustable lumen output is achieved with 0-10V continuous dimming capable drivers, ensuring system power factor >90% and THD <20%.

### INSTALLATION:

ESXF1 (P0) and ESXF2 ship with ½ NPS threaded knuckle mount factory installed and can be mounted to conduit bodies or to 4" electrical boxes using the provided round mounting plate. Yoke mounts can be easily changed in the field to mount to any solid surfaces (ESXF P0, knuckle mount only).

ESXF3 and ESXF4 include a yoke mounting for solid surface mounting and an integral slipfitter that mates with standard 2 3/8" tenons for pole-top mounting. All models ship standard with 18" SO cord.

### LISTINGS:

CSA certified to U.S. and Canadian standards. Luminaire is IP66 rated. Rated for -40°C minimum ambient.

### WARRANTY:

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

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



Factory settings  
Lumen Output: High  
CCT: 4000K  
Photocell: On