



# RSXF4 LED Floodlight

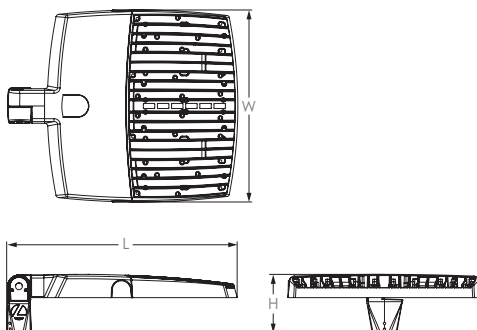


|                |
|----------------|
| Catalog Number |
| Notes          |
| Type           |

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

## Specifications

|                             |   |
|-----------------------------|---|
| EPA (ft <sup>2</sup> @45°): | 5.5 ft <sup>2</sup> (0.51 m <sup>2</sup> )    |
| Length:                     | 30.0" (76.2 cm) (IS mount)                    |
| Width:                      | 25.0" (63.5 cm)                               |
| Height:                     | 3.0" (7.6 cm) Main Body<br>7.6" (19.3 cm) Arm |
| Weight (max):               | 68 lbs (30.8 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 RSXF4 delivers 40,000 to 85,000 lumens allowing it to replace 1000W and 1500W 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.



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

\*See ordering tree for details



## Ordering Information

**EXAMPLE:** RSXF4 LED P8 40K WFL MVOLT IS DDBXD

| Series    | Performance Package  | Color Temperature                   | Distribution  | Voltage  | Mounting  |
|-----------|--|-------------------------------------|---|--|---|
| RSXF4 LED | P1<br>P2<br>P3<br>P4<br>P5<br>P6<br>P7 <sup>1</sup><br>P8 <sup>1</sup> | 30K 3000K<br>40K 4000K<br>50K 5000K | AWFD Area Wide Forward<br>WFL Wide Flood<br>MFL Medium Flood <sup>1</sup><br>NFL Narrow Flood<br>SP Spot<br>NSP Narrow Spot | MVOLT (120V-277V) <sup>2</sup><br>HVOLT (347V-480V) <sup>3</sup><br>XVOLT (277V-480V) <sup>4</sup><br>(use specific voltage for options as noted)<br>120 <sup>5</sup> 277 <sup>5</sup><br>208 <sup>5</sup> 347 <sup>5</sup><br>240 <sup>5</sup> 480 <sup>5</sup> | IS Adjustable slipfitter (fits 2-3/8" OD tenon) <sup>6</sup><br>YKC64 Yoke with 16-3 SO cord, 4ft <sup>6</sup><br>AASP Adjustable tilt arm square pole mounting <sup>6</sup><br>AARP Adjustable tilt arm round pole mounting <sup>6</sup><br>AAWB Adjustable tilt arm with wall bracket <sup>6</sup><br>AAWSC Adjustable tilt arm wall bracket and surface conduit box <sup>6</sup> |

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



COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 800-705-SERV (7378) • [www.acuitybrands.com](http://www.acuitybrands.com)  
© 2019-2024 Acuity Brands Lighting, Inc. All rights reserved.

Lithonia RSXF4 Flood LED  
Rev. 10/09/24  
Page 1 of 8

## Ordering Information

### Accessories

Ordered and shipped separately.

|                     |  |
|---------------------|--|
| RSXF4FV (FINISH) U  | RSXF4 Full visor (specify finish)                  |
| RSXF4UBV (FINISH) U | RSXF4 Upper/bottom visor (specify finish)          |
| DLL127F 1.5 JU      | Photocell -SSL twist-lock (120-277V) <sup>18</sup> |
| DLL347F 1.5 CUL JU  | Photocell -SSL twist-lock (347V) <sup>18</sup>     |
| DLL480F 1.5 CUL JU  | Photocell -SSL twist-lock (480V) <sup>18</sup>     |
| DSHORT SBK U        | Shorting cap <sup>18</sup>                         |

### NOTES

- MFL not available with performance packages P7 and P8.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
- XVOLT driver operates on any line voltage from 277V-480V (50/60 Hz). XVOLT not available with fusing (SF or DF) and not available with PE.
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Maximum tilt is 90° above horizontal.
- Requires MVOLT or 347V.
- Two or more of the following options cannot be combined including PE, DMG, PER7, FAO, DS and NLTAIR2 PIRHN. (Exception: PE and FAO can be combined; also PE and DMG can be combined.)
- Compatible with standard twist-lock photocells for dusk to dawn operation or advanced control nodes that provide 0-10V dimming signals. Wire 4/Wire 5 wired to dimming leads on driver. Wire 6/Wire 7 capped inside luminaire. Twistlock photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
- For units with option PER7, the mounting must be restricted to +/- 45° from horizontal aim per ANSI C136.10-2010.
- DS requires (2) separately switched circuits. DS provides 50/50 fixture operation via (2) different sets of leads using (2) drivers. DS only available with packages P4, P5, P6, P7 and P8.
- Must be ordered with PIRHN.
- Must be ordered with NLTAIR2. For additional information on PIRHN visit [here](#).
- Requires MVOLT or HVOLT.
- CCE option not available with AASP, AARP, AAWB, AAWBSC, UVB, FV and BS.
- May be ordered as an accessory.
- Must be ordered with fixture for factory pre-drilling.
- Requires luminaire to be specified with PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.

## External Shields



UBV Visor - Top Mounted



UBV Visor - Bottom Mounted

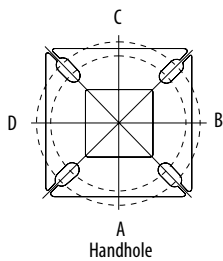


Full Visor - 360°

## Pole/Mounting Information

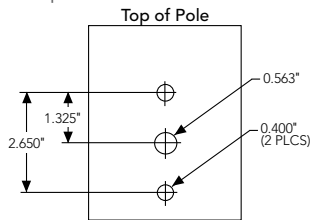
Accessories including bullhorns, cross arms and other adapters are available on pages 5-7. For the complete line of accessories available, visit the accessories tab at Lithonia's Outdoor Poles and Arms product page. Click here to visit [Accessories](#).

### HANDHOLE ORIENTATION

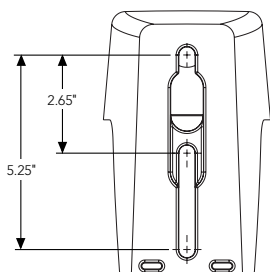


### RSX POLE DRILLING

Template #8



### 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         | AS3-5 190 | AS3-5 280 | AS3-5 290 | AS3-5 320 | AS3-5 390 | AS3-5 490 |
| 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           |

### RSXF4 - 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 |        |        |         |        |         |        |                |                |                |
| IS - Integral Slipfitter<br>AASP/AARP - Adjustable Arm<br>Square/Round Pole | 0°   | 0.69   | 1.34   | 1.36    | 1.80   | 2.00    | 2.66   | 1.39           | 2.08           | 2.78           |
|   | 10°  | 1.13   | 2.05   | 2.22    | 3.10   | 2.91    | 4.01   | 2.26           | 3.39           | 4.52           |
|   | 20°  | 1.91   | 3.14   | 3.57    | 4.84   | 4.26    | 6.23   | 3.82           | 5.73           | 7.64           |
|   | 30°  | 3.23   | 4.70   | 5.70    | 7.25   | 6.52    | 9.31   | 6.46           | 9.69           | 12.92          |
|   | 40°  | 4.71   | 6.04   | 7.96    | 9.37   | 9.04    | 12.04  | 9.42           | 14.13          | 18.84          |
|   | 45°  | 5.46   | 6.72   | 9.10    | 10.47  | 10.31   | 13.40  | 10.92          | 16.38          | 21.84          |
|   | 50°  | 5.58   | 7.29   | 9.51    | 11.46  | 10.93   | 14.56  | 11.16          | 16.74          | 22.32          |
|   | 60°  | 5.81   | 8.50   | 10.35   | 13.44  | 12.41   | 16.89  | 11.62          | 17.43          | 23.24          |
|   | 70°  | 6.13   | 9.29   | 10.98   | 14.92  | 13.50   | 18.57  | 12.26          | 18.39          | 24.52          |
|   | 80°  | 6.28   | 9.88   | 11.47   | 15.86  | 14.22   | 19.72  | 12.56          | 18.84          | 25.12          |
|   | 90°  | 6.43   | 10.17  | 11.78   | 16.26  | 14.56   | 20.33  | 12.86          | 19.29          | 25.72          |
| YK - Yoke Mounting  | 0°   | 0.88   | 1.62   | 1.72    | 2.19   | 2.41    | 3.21   | 1.66           | 2.49           | 3.32           |
|   | 10°  | 1.31   | 2.32   | 2.58    | 3.42   | 3.36    | 4.55   | 2.53           | 3.80           | 5.06           |
|   | 20°  | 2.09   | 3.41   | 3.93    | 5.16   | 4.71    | 6.77   | 4.09           | 6.14           | 8.18           |
|   | 30°  | 3.41   | 4.97   | 6.06    | 7.57   | 6.97    | 9.85   | 6.73           | 10.10          | 13.46          |
|   | 40°  | 4.89   | 6.31   | 8.32    | 9.69   | 9.49    | 12.58  | 9.69           | 14.54          | 19.38          |
|   | 45°  | 5.64   | 6.99   | 9.46    | 10.79  | 10.76   | 13.94  | 11.19          | 16.79          | 22.38          |
|   | 50°  | 5.76   | 7.56   | 9.87    | 11.78  | 11.38   | 15.10  | 11.43          | 17.15          | 22.86          |
|   | 60°  | 5.99   | 8.77   | 10.71   | 13.76  | 12.86   | 17.43  | 11.89          | 17.84          | 23.78          |
|   | 70°  | 6.31   | 9.56   | 11.34   | 15.24  | 13.95   | 19.11  | 12.53          | 18.80          | 25.06          |
|   | 80°  | 6.46   | 10.15  | 11.83   | 16.18  | 14.67   | 20.26  | 12.83          | 19.25          | 25.66          |
|   | 90°  | 6.61   | 10.44  | 12.14   | 16.58  | 15.01   | 20.87  | 13.13          | 19.70          | 26.26          |



COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 800-705-SERV (7378) • [www.acuitybrands.com](http://www.acuitybrands.com)  
© 2019-2024 Acuity Brands Lighting, Inc. All rights reserved.

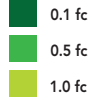
Lithonia RSXF4 Flood LED  
Rev. 10/09/24  
Page 2 of 8

## Photometric Diagrams

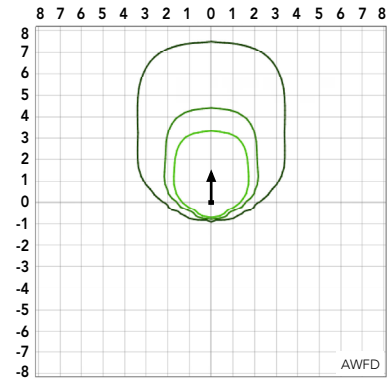
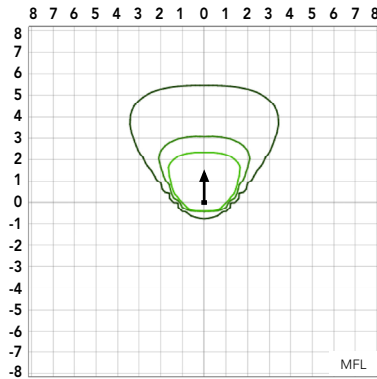
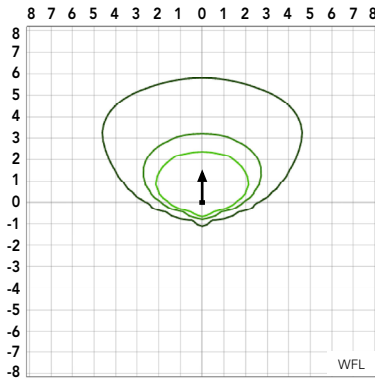
To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [RSX Flood homepage](#).

Isofootcandle plots for the RSXF4 LED P8 40K. Distances are in units of mounting height (40').

### LEGEND

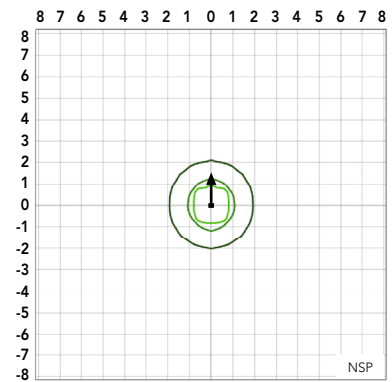
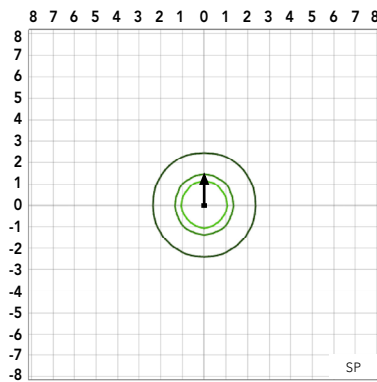
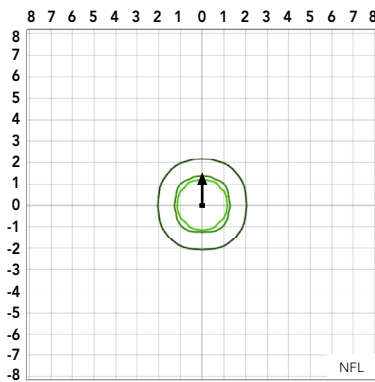


### Luminaires tilted at 45°



Note: Distribution type MFL shown at maximum performance package P6.

### 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                  | 275W             | 2.34        | 1.38 | 1.22 | 1.08 | 0.83 | 0.62 |
| P2                  | 320W             | 2.60        | 1.56 | 1.37 | 1.22 | 0.97 | 0.71 |
| P3                  | 369W             | 3.08        | 1.79 | 1.57 | 1.39 | 1.09 | 0.80 |
| P4                  | 431W             | 3.61        | 2.11 | 1.88 | 1.76 | 1.24 | 0.90 |
| P5                  | 483W             | 3.97        | 2.28 | 1.99 | 1.74 | 1.36 | 0.98 |
| P6                  | 546W             | 4.48        | 2.55 | 2.21 | 1.93 | 1.54 | 1.12 |
| P7                  | 520W             | 4.28        | 2.47 | 2.15 | 1.88 | 1.54 | 1.11 |
| P8                  | 646W             | 5.54        | 3.13 | 2.71 | 2.34 | 1.90 | 1.37 |

### 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.



COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 800-705-SERV (7378) • [www.acuitybrands.com](http://www.acuitybrands.com)  
© 2019-2024 Acuity Brands Lighting, Inc. All rights reserved.

Lithonia RSXF4 Flood LED  
Rev. 10/09/24  
Page 3 of 8

## Performance Data

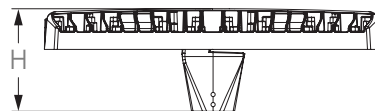
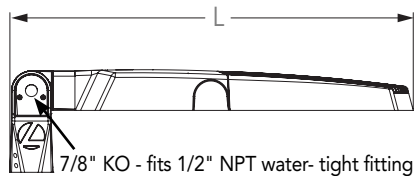
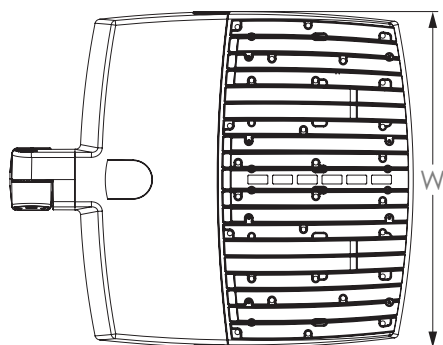
### Lumen Output

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 | Field Angle |     | Beam Angle |    | 30K             |     |         | 40K             |     |         | 50K             |     |         |
|---------------------|--------------|-------------------|-------------|-----|------------|----|-----------------|-----|---------|-----------------|-----|---------|-----------------|-----|---------|
|                     |              |                   | °H          | °V  | °H         | °V | (3000K, 70 CRI) |     |         | (4000K, 70 CRI) |     |         | (5000K, 70 CRI) |     |         |
|                     |              |                   |             |     |            |    | Lumens          | LPW | Max Cd  | Lumens          | LPW | Max Cd  | Lumens          | LPW | Max Cd  |
| P1                  | 275W         | AWFD              | 119         | 120 | 69         | 41 | 37,453          | 136 | 30,678  | 41,149          | 150 | 33,706  | 41,149          | 150 | 33,706  |
|                     |              | WFL               | 133         | 129 | 116        | 80 | 36,666          | 133 | 15,610  | 40,285          | 146 | 17,151  | 40,285          | 146 | 17,151  |
|                     |              | MFL               | 105         | 110 | 91         | 96 | 37,721          | 137 | 17,126  | 41,444          | 151 | 18,816  | 41,444          | 151 | 18,816  |
|                     |              | NFL               | 78          | 79  | 44         | 45 | 37,008          | 135 | 54,721  | 40,660          | 148 | 60,122  | 40,660          | 148 | 60,122  |
|                     |              | SP                | 48          | 48  | 27         | 27 | 35,880          | 130 | 114,288 | 39,420          | 143 | 125,568 | 39,420          | 143 | 125,568 |
|                     |              | NSP               | 42          | 43  | 19         | 21 | 36,350          | 132 | 191,937 | 39,938          | 145 | 210,881 | 39,938          | 145 | 210,881 |
| P2                  | 320W         | AWFD              | 119         | 120 | 69         | 41 | 42,605          | 133 | 34,899  | 46,810          | 146 | 38,344  | 46,810          | 146 | 38,344  |
|                     |              | WFL               | 133         | 129 | 116        | 80 | 41,710          | 130 | 17,758  | 45,827          | 143 | 19,511  | 45,827          | 143 | 19,511  |
|                     |              | MFL               | 105         | 110 | 91         | 96 | 42,910          | 134 | 19,483  | 47,145          | 147 | 21,406  | 47,145          | 147 | 21,406  |
|                     |              | NFL               | 78          | 79  | 44         | 45 | 42,099          | 131 | 62,251  | 46,254          | 144 | 68,395  | 46,254          | 144 | 68,395  |
|                     |              | SP                | 48          | 48  | 27         | 27 | 40,815          | 127 | 130,014 | 44,843          | 140 | 142,847 | 44,843          | 140 | 142,847 |
|                     |              | NSP               | 42          | 43  | 19         | 21 | 41,351          | 129 | 218,348 | 45,432          | 142 | 239,899 | 45,432          | 142 | 239,899 |
| P3                  | 369W         | AWFD              | 119         | 120 | 69         | 41 | 47,519          | 129 | 38,923  | 52,208          | 141 | 42,765  | 52,208          | 141 | 42,765  |
|                     |              | WFL               | 133         | 129 | 116        | 80 | 46,520          | 126 | 19,806  | 51,111          | 138 | 21,761  | 51,111          | 138 | 21,761  |
|                     |              | MFL               | 105         | 110 | 91         | 96 | 47,859          | 130 | 21,730  | 52,581          | 142 | 23,874  | 52,581          | 142 | 23,874  |
|                     |              | NFL               | 78          | 79  | 44         | 45 | 46,954          | 127 | 69,430  | 51,588          | 140 | 76,283  | 51,588          | 140 | 76,283  |
|                     |              | SP                | 48          | 48  | 27         | 27 | 45,522          | 123 | 145,009 | 50,015          | 135 | 159,321 | 50,015          | 135 | 159,321 |
|                     |              | NSP               | 42          | 43  | 19         | 21 | 46,120          | 125 | 243,530 | 50,671          | 137 | 267,566 | 50,671          | 137 | 267,566 |
| P4                  | 431W         | AWFD              | 119         | 120 | 69         | 41 | 52,342          | 122 | 42,810  | 57,422          | 133 | 47,035  | 57,422          | 133 | 47,035  |
|                     |              | WFL               | 133         | 129 | 116        | 80 | 51,201          | 119 | 21,784  | 56,215          | 131 | 23,934  | 56,215          | 131 | 23,934  |
|                     |              | MFL               | 105         | 110 | 91         | 96 | 52,640          | 122 | 23,899  | 57,832          | 134 | 26,258  | 57,832          | 134 | 26,258  |
|                     |              | NFL               | 78          | 79  | 44         | 45 | 51,643          | 120 | 76,364  | 56,739          | 132 | 83,901  | 56,739          | 132 | 83,901  |
|                     |              | SP                | 48          | 48  | 27         | 27 | 50,387          | 117 | 159,490 | 55,009          | 128 | 175,232 | 55,009          | 128 | 175,232 |
|                     |              | NSP               | 42          | 43  | 19         | 21 | 50,754          | 118 | 267,850 | 55,731          | 129 | 294,287 | 55,731          | 129 | 294,287 |
| P5                  | 483W         | AWFD              | 119         | 120 | 69         | 41 | 58,213          | 120 | 47,683  | 63,958          | 132 | 52,389  | 63,958          | 132 | 52,389  |
|                     |              | WFL               | 133         | 129 | 116        | 80 | 56,990          | 118 | 24,264  | 62,614          | 130 | 26,658  | 62,614          | 130 | 26,658  |
|                     |              | MFL               | 105         | 110 | 91         | 96 | 58,629          | 121 | 26,620  | 64,415          | 133 | 29,247  | 64,415          | 133 | 29,247  |
|                     |              | NFL               | 78          | 79  | 44         | 45 | 57,521          | 119 | 85,056  | 63,198          | 131 | 93,451  | 63,198          | 131 | 93,451  |
|                     |              | SP                | 48          | 48  | 27         | 27 | 55,767          | 115 | 177,645 | 61,270          | 127 | 195,178 | 61,270          | 127 | 195,178 |
|                     |              | NSP               | 42          | 43  | 19         | 21 | 56,499          | 117 | 298,339 | 62,075          | 128 | 327,785 | 62,075          | 128 | 327,785 |
| P6                  | 546W         | AWFD              | 119         | 120 | 69         | 41 | 64,747          | 119 | 53,035  | 71,136          | 130 | 58,270  | 71,136          | 130 | 58,270  |
|                     |              | WFL               | 133         | 129 | 116        | 80 | 63,387          | 116 | 26,987  | 69,642          | 128 | 29,651  | 69,642          | 128 | 29,651  |
|                     |              | MFL               | 105         | 110 | 91         | 96 | 65,210          | 120 | 29,608  | 71,645          | 131 | 32,530  | 71,645          | 131 | 32,530  |
|                     |              | NFL               | 78          | 79  | 44         | 45 | 63,977          | 117 | 94,603  | 70,291          | 129 | 103,940 | 70,291          | 129 | 103,940 |
|                     |              | SP                | 48          | 48  | 27         | 27 | 62,027          | 114 | 197,584 | 68,148          | 125 | 217,085 | 68,148          | 125 | 217,085 |
|                     |              | NSP               | 42          | 43  | 19         | 21 | 62,841          | 115 | 331,825 | 69,042          | 127 | 364,576 | 69,042          | 127 | 364,576 |
| P7                  | 520W         | AWFD              | 119         | 120 | 69         | 41 | 66,229          | 127 | 56,581  | 72,765          | 140 | 62,166  | 72,765          | 140 | 62,166  |
|                     |              | WFL               | 133         | 129 | 116        | 80 | 64,785          | 125 | 28,791  | 71,178          | 137 | 31,633  | 71,178          | 137 | 31,633  |
|                     |              | NFL               | 78          | 79  | 44         | 45 | 65,346          | 126 | 100,928 | 71,795          | 138 | 110,890 | 71,795          | 138 | 110,890 |
|                     |              | SP                | 48          | 48  | 27         | 27 | 63,757          | 123 | 210,794 | 70,049          | 135 | 231,600 | 70,049          | 135 | 231,600 |
|                     |              | NSP               | 42          | 43  | 19         | 21 | 64,222          | 124 | 354,011 | 70,559          | 136 | 388,952 | 70,559          | 136 | 388,952 |
| P8                  | 646W         | AWFD              | 119         | 120 | 69         | 41 | 77,128          | 119 | 65,892  | 84,740          | 131 | 72,396  | 84,740          | 131 | 72,396  |
|                     |              | WFL               | 133         | 129 | 116        | 80 | 75,446          | 117 | 33,529  | 82,892          | 128 | 36,839  | 82,892          | 128 | 36,839  |
|                     |              | NFL               | 78          | 79  | 44         | 45 | 76,100          | 118 | 117,537 | 83,610          | 130 | 129,138 | 83,610          | 130 | 129,138 |
|                     |              | SP                | 48          | 48  | 27         | 27 | 74,250          | 115 | 245,483 | 81,577          | 126 | 269,712 | 81,577          | 126 | 269,712 |
|                     |              | NSP               | 42          | 43  | 19         | 21 | 74,791          | 116 | 412,267 | 82,171          | 127 | 452,958 | 82,171          | 127 | 452,958 |

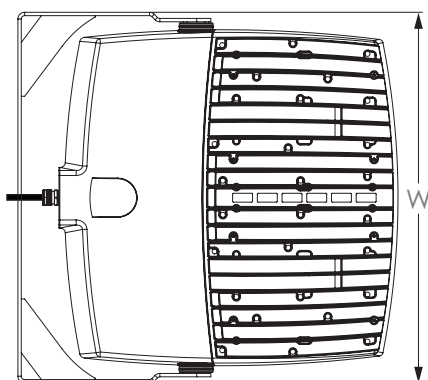
## Dimensions

### RSXF4 with Adjustable Slipfitter (IS)



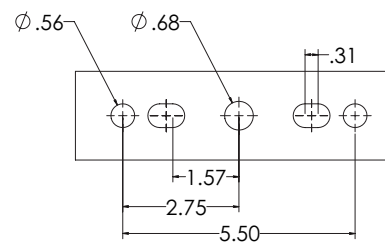
Length: 30.0" (76.2 cm)  
 Width: 25.0" (63.5 cm)  
 Height: 3.0" (7.6 cm) Main Body  
 7.6" (19.3 cm) Arm

### RSXF4 with Yoke (YKC64)



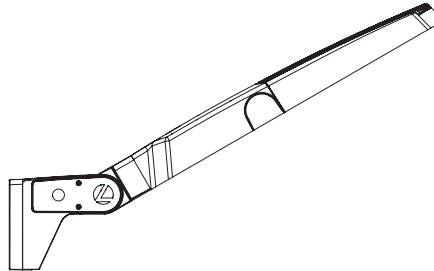
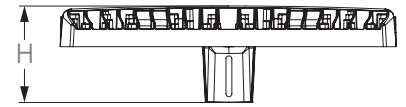
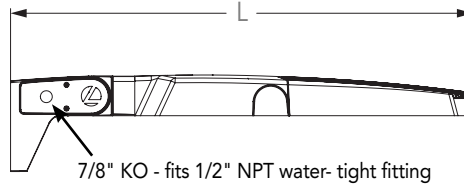
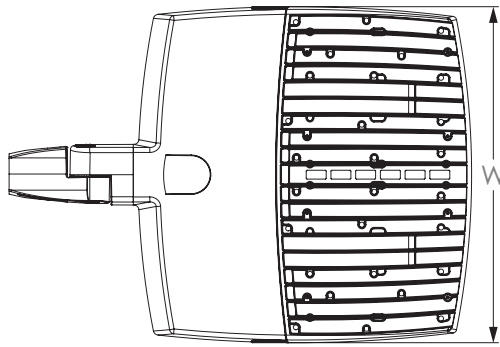
Length: 28.3" (96.3 cm)  
 Width: 27.6" (63.5 cm)  
 Height: 3.2" (7.6 cm) Main Body

#### Yoke (YK) Mounting Detail



## Dimensions

### RSXF4 with Adjustable Tilt Arm - Square or Round Pole (AASP or AARP)



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



Length: 34.4" (87.4 cm) **AASP**  
35.4" (89.9 cm) **AARP**  
Width: 25.0" (63.5 cm)  
Height: 3.0" (7.6 cm) Main Body  
7.2" (18.3 cm) Arm

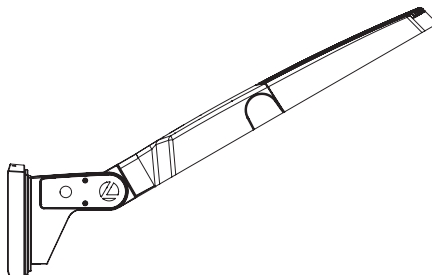
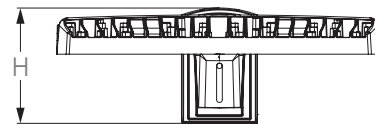
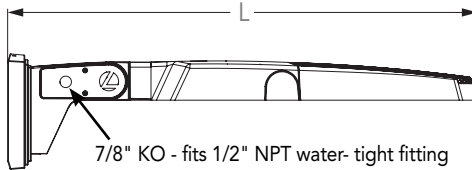
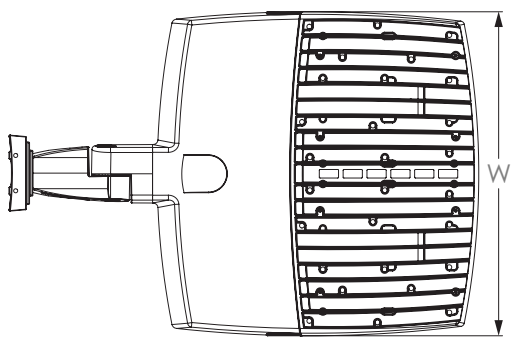
#### Notes

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°.

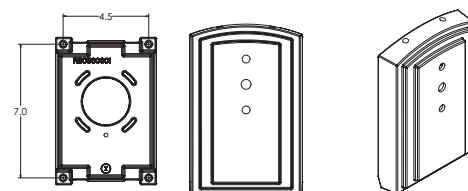
## Dimensions

### RSXF4 with Adjustable Tilt Arm with Wall Bracket (AAWB)

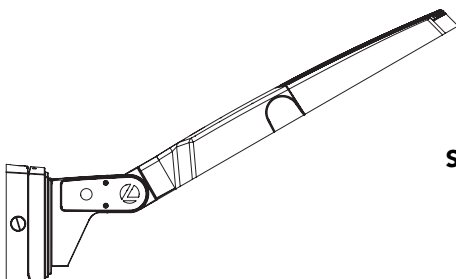
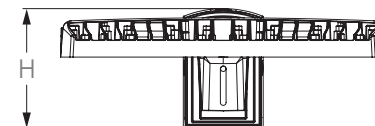
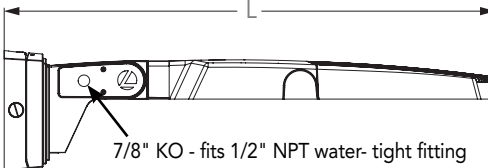
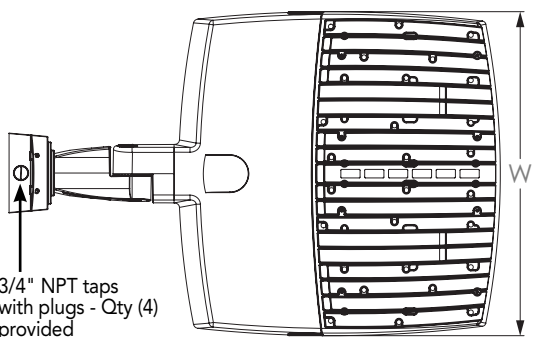


Length: 36.2" (91.9 cm)  
 Width: 25.0" (63.5 cm)  
 Height: 3.0" (7.6 cm) Main Body  
 8.9" (22.6 cm) Arm

#### Wall Bracket (WBA) Mounting Detail

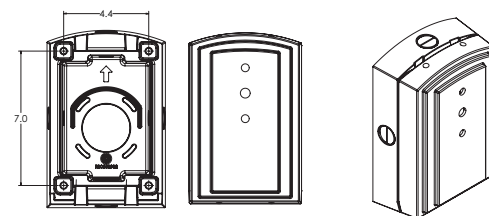


### RSXF4 with Adjustable Tilt Arm with Wall Bracket and Surface Conduit Box (AAWSC)



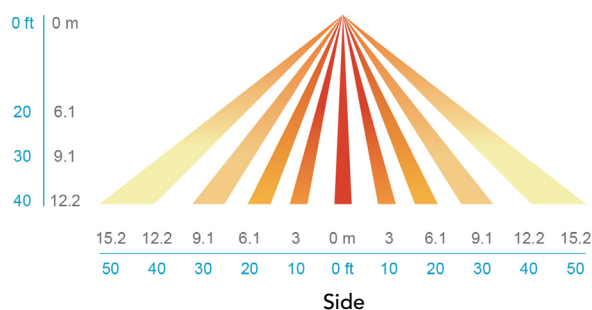
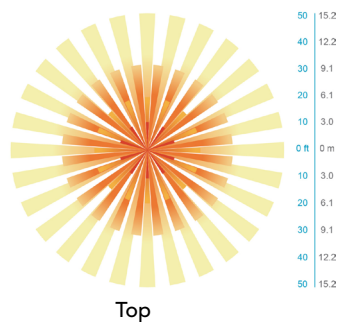
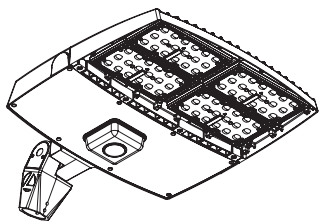
Length: 37.9" (96.3 cm)  
 Width: 25.0" (63.5 cm)  
 Height: 3.0" (7.6 cm) Main Body  
 9.2" (23.4 cm) Arm

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



## 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 Clairity 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 RSXF4 delivers 40,000 to 85,000 lumens and is ideal for replacing 1000W and 1500W HID floodlights in parking lots and other large area lighting applications.

### CONSTRUCTION

The RSXF 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. RSXF is Vibration rated per ANSI C136.31: 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 warranted not to crack or peel.

### COASTAL CONSTRUCTION (CCE)

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

### OPTICS

Precision acrylic refractive lenses are engineered for superior application efficiency, distributing the light to where it is needed most. Available in narrow 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 RSXF 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 CLAIRITY app. nLight AIR equipped luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclipse. Additional information about nLight Air can be found [here](#).

### INSTALLATION

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. D882,146S and U.S. Patent No. 11,085,619 B2

### GOVERNMENT PROCUREMENT

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

### WARRANTY

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

[www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

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

