

06/07/2023

Attention:
Village of Bayside, WI
Architecture Review Committee

| | |
|--|--|
| PROJECT/SITE OWNER: Fox Point-Bayside School District PROJECT ADDRESS: 601 Ellsworth Ln | PROJECT SUMMARY: Exterior lighting |
|--|--|

I have reviewed the proposed new fences for compliance with the Village’s ordinances and have determined the following for consideration.

1. In reviewing the computer-generated site lighting photometric plan it appears that it complies with the ordinance.
2. The board always considers the aesthetics of the lighting fixtures and poles.

VILLAGE CODE REVIEW

Supporting documentation or testimony must be provide at the meeting to verify code compliance with the above observations in red.

Dave Hendrix
SAFEbuilt
Wisconsin Operations Manager

Project Proposal

Date 06/01/2023

Property Address 601 Ellsworth Lane

Zoning District "C" Residence

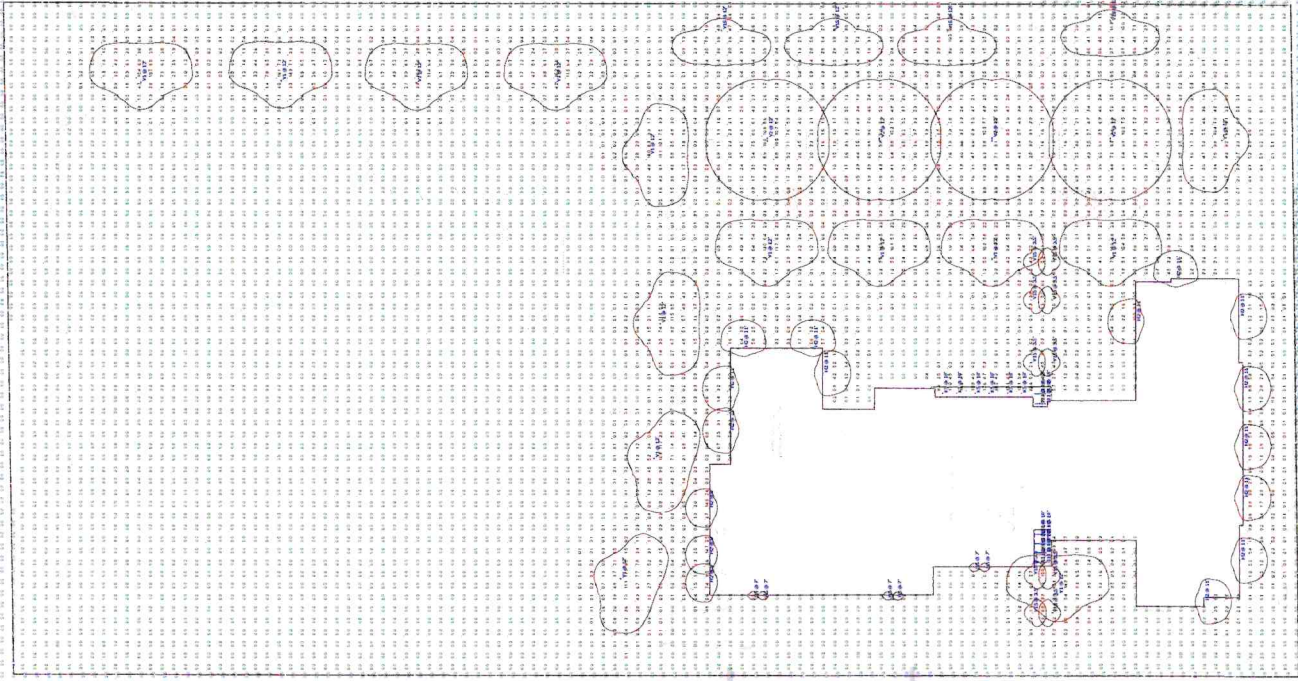
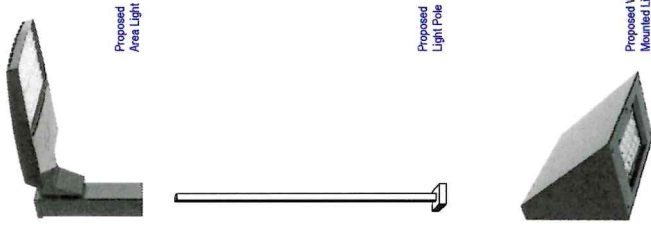
Proposed Project Details (type of work, size, materials, location, etc.):

The exterior lighting plan remains consistent with last submission, plan, photometric and cut sheets are included _____

| <ul style="list-style-type: none"> <input checked="" type="checkbox"/> ARC Agenda Date: <u>06/19/2023</u> <input checked="" type="checkbox"/> Parcel Number: <u>0219983000</u> <input type="checkbox"/> Color photographs showing project location, elevations, and surround views. <input type="checkbox"/> Complete digital set of building plans (including elevations and grading). <input type="checkbox"/> Samples or brochures showing materials, colors, and designs. <input type="checkbox"/> Survey or Milwaukee County Land Information Officer Aerial <p>PERMITS:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Y</th> <th style="text-align: left;">N</th> <th style="text-align: left;">Payment</th> <th></th> </tr> </thead> <tbody> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>Building</td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>Electrical</td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>Plumbing</td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>HVAC</td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>Fill</td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>Impervious Surface</td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>Dumpster</td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>ROW/Excavation</td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>Conditional Use</td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>Occupancy</td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>Special Exception/Variance</td></tr> <tr><td></td><td><input type="checkbox"/></td><td></td><td>ARC</td></tr> </tbody> </table> | Y | N | Payment | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Building | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Electrical | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Plumbing | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | HVAC | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Fill | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Impervious Surface | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Dumpster | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | ROW/Excavation | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Conditional Use | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Occupancy | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Special Exception/Variance | | <input type="checkbox"/> | | ARC | <ul style="list-style-type: none"> <input type="checkbox"/> Accessory Structures/Generators <input type="checkbox"/> Additions/Remodel <input type="checkbox"/> Commercial Signage <input type="checkbox"/> Decks/Patios <input type="checkbox"/> Fence <input type="checkbox"/> Fire Pits <input type="checkbox"/> Landscaping requiring Impervious Surface/Fill/Excavation Permit <input type="checkbox"/> New Construction <input type="checkbox"/> Play Structures <input type="checkbox"/> Recreational Facilities/Courts <input type="checkbox"/> Roofs <input type="checkbox"/> Solar Panels/Skylights <input type="checkbox"/> Swimming Pools <input type="checkbox"/> Windows/Doors – change exceeds 25% of opening <input checked="" type="checkbox"/> Other <p style="color: blue; text-align: center;">Package 04 - Exterior Lighting</p> |
|---|--------------------------|--------------------------|----------------------------|--|--------------------------|--------------------------|--------------------------|----------|--------------------------|--------------------------|--------------------------|------------|--------------------------|--------------------------|--------------------------|----------|--------------------------|--------------------------|--------------------------|------|--------------------------|--------------------------|--------------------------|------|--------------------------|--------------------------|--------------------------|--------------------|--------------------------|--------------------------|--------------------------|----------|--------------------------|--------------------------|--------------------------|----------------|--------------------------|--------------------------|--------------------------|-----------------|--------------------------|--------------------------|--------------------------|-----------|--------------------------|--------------------------|--------------------------|----------------------------|--|--------------------------|--|-----|--|
| Y | N | Payment | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Building | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Electrical | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Plumbing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | HVAC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Fill | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Impervious Surface | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Dumpster | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | ROW/Excavation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Conditional Use | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Occupancy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Special Exception/Variance | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <input type="checkbox"/> | | ARC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| NO. | DESCRIPTION | DATE | BY | CHKD. | APP. |
|-----|------------------|----------|----|-------|------|
| 102 | Initial Lighting | 11/14/14 | JL | JL | JL |
| 103 | Initial Lighting | 11/14/14 | JL | JL | JL |
| 104 | Initial Lighting | 11/14/14 | JL | JL | JL |
| 105 | Initial Lighting | 11/14/14 | JL | JL | JL |
| 106 | Initial Lighting | 11/14/14 | JL | JL | JL |
| 107 | Initial Lighting | 11/14/14 | JL | JL | JL |
| 108 | Initial Lighting | 11/14/14 | JL | JL | JL |
| 109 | Initial Lighting | 11/14/14 | JL | JL | JL |
| 110 | Initial Lighting | 11/14/14 | JL | JL | JL |
| 111 | Initial Lighting | 11/14/14 | JL | JL | JL |
| 112 | Initial Lighting | 11/14/14 | JL | JL | JL |
| 113 | Initial Lighting | 11/14/14 | JL | JL | JL |
| 114 | Initial Lighting | 11/14/14 | JL | JL | JL |
| 115 | Initial Lighting | 11/14/14 | JL | JL | JL |
| 116 | Initial Lighting | 11/14/14 | JL | JL | JL |
| 117 | Initial Lighting | 11/14/14 | JL | JL | JL |
| 118 | Initial Lighting | 11/14/14 | JL | JL | JL |
| 119 | Initial Lighting | 11/14/14 | JL | JL | JL |
| 120 | Initial Lighting | 11/14/14 | JL | JL | JL |

| NO. | DESCRIPTION | DATE | BY | CHKD. | APP. |
|-----|------------------|----------|----|-------|------|
| 121 | Initial Lighting | 11/14/14 | JL | JL | JL |
| 122 | Initial Lighting | 11/14/14 | JL | JL | JL |
| 123 | Initial Lighting | 11/14/14 | JL | JL | JL |
| 124 | Initial Lighting | 11/14/14 | JL | JL | JL |
| 125 | Initial Lighting | 11/14/14 | JL | JL | JL |
| 126 | Initial Lighting | 11/14/14 | JL | JL | JL |
| 127 | Initial Lighting | 11/14/14 | JL | JL | JL |
| 128 | Initial Lighting | 11/14/14 | JL | JL | JL |
| 129 | Initial Lighting | 11/14/14 | JL | JL | JL |
| 130 | Initial Lighting | 11/14/14 | JL | JL | JL |



MSA
11/14/14



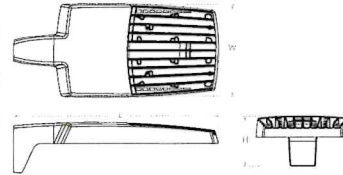
RSX2 LED Area Luminaire



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

Specifications

| | |
|----------------------------|---|
| EPA (ft ² @0°): | 0.69 ft ² (0.06 m ²) |
| 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 DBBXD

| RSX2 LED | | | | | |
|----------|---------------------|-------------------|---|---|--|
| Series | Performance Package | Color Temperature | Distribution | Voltage | Mounting |
| RSX2 LED | P1 | 30K 3000K | R2 Type 2 Wide | MVOLT (120V-277V) ² | 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) ³ | 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) ⁴ | MA Mast arm adaptor (fits 2-3/8" OD horizontal tenon) |
| | P4 | | R4 Type 4 Wide | (use specific voltage for options as noted) | IS Adjustable slipfitter (fits 2-3/8" OD tenon) ⁶ |
| | P5 | | R4S Type 4 Short | 120 ⁴ 277 ⁵ | WBA Wall bracket ¹ |
| | P6 | | R5 Type 5 Wide ¹ | 208 ⁴ 347 ⁵ | WBASC Wall bracket with surface conduit box |
| | | | R5S Type 5 Short ¹ | 240 ⁴ 480 ⁵ | AASP Adjustable tilt arm square pole mounting ⁴ |
| | | | AFR Automotive Front Row | | AARP Adjustable tilt arm round pole mounting ⁴ |
| | | | AFRR90 Automotive Front Row Right Rotated | | AAWB Adjustable tilt arm with wall bracket ⁴ |
| | | | AFRL90 Automotive Front Row Left Rotated | | AAWSC Adjustable tilt arm wall bracket and surface conduit box ⁴ |

Options

Shipped Installed

| | |
|---------|--|
| HS | House-side shield ⁷ |
| PE | Photocontrol, button style ^{8,9} |
| PEX | Photocontrol external threaded, adjustable ^{8,10} |
| PER7 | Seven-wire twist-lock receptacle only (no controls) ^{11,12,13} |
| 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 ¹⁴ |
| DMG | 0-10V dimming extend out back of housing for external control (control ordered separate) ¹⁵ |
| DS | Dual switching 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) ^{13,17} |
| 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

| | |
|--------|---------------------------|
| DBBXD | Dark Bronze |
| DBLXD | Black |
| DNAXD | Natural Aluminum |
| DWHXD | White |
| DBBTXD | Textured Dark Bronze |
| DBLTXD | Textured Black |
| DNATXD | Textured Natural Aluminum |
| DWHGXD | Textured White |



COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
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Lithonia RSX2 Area LED
Rev. 11/21/22
Page 1 of 9

Ordering Information

Accessories

Ordered and shipped separately.

| | |
|----------------------|--|
| RSX2HS | RSX2 House side shield (includes 2 shields) |
| RSX2EGS (FINISH) U | External glare shield (specify finish) |
| RSX2HSARR (FINISH) U | RSX2 House side shields for AFR rotated optics (includes 2 shields) |
| RSX2EGV (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 | RSX Surface conduit bar (specify finish, for use with WBA, WBA not included) |
| DL127F 1.5 JU | PhotoCell -SSL twist-lock (120-277V) ¹¹ |
| DL1347F 1.5 CUL JU | PhotoCell -SSL twist-lock (347V) ¹¹ |
| DL1480F 1.5 CUL JU | PhotoCell -SSL twist-lock (480V) ¹¹ |
| DSHORT SBK U | Shorting cap ¹¹ |

NOTES

- Any Type 5 distribution, is not available with WBA.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
- XVOLT driver not available with P1. XVOLT driver operates on any line voltage from 277V-480V (50/60 Hz). XVOLT not available with fusing (SF or DF) and not available with PE or PEX.
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Maximum tilt is 90° above horizontal.
- It may be ordered as an accessory.
- Requires MVOLT or 347V.
- Not available in combination with other light sensing control options (following options cannot be combined: PE, PEX, PER7, FAO, DMG, DS, PIRHN). Exception: PE or PEX and FAO can be combined.
- Requires 120V, 208V, 240V, or 277V.
- 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.
- For units with option PER7, the mounting must be restricted to +/- 45° from horizontal aim per ANSI C136.10-2010.
- Two or more of the following options cannot be combined including DMG, DS, PER7, FAO and PIRHN.
- DS only available on performance package P5 and P6.
- Must be ordered with PIRHN.
- Requires MVOLT or HVOLT.
- Must be ordered with NLTARZ. For additional information on PIRHN visit [www.acuitybrands.com](#).
- Must be ordered with fixture for factory pre-drilling.
- Requires luminaire to be specified with PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.

External Shields



House Side Shield



External Glare Shield

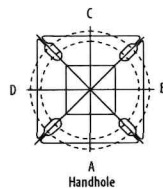


External 360 Full Visor

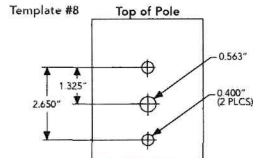
Pole/Mounting Information

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

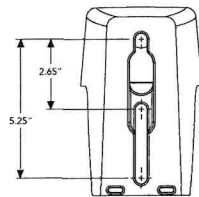
HANDHOLE ORIENTATION



RSX POLE DRILLING



RSX STANDARD ARM & ADJUSTABLE ARM



Round Tenon Mount - Pole Top Slipfitters

| Tenon O.D. | RSX Mounting | Single | 2 @ 180° | 2 @ 90° | 3 @ 120° | 3 @ 90° | 4 @ 90° |
|------------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 2 - 3/8" | RPA, AARP | AS3-190 | AS3-5280 | AS3-5290 | AS3-5320 | AS3-5390 | AS3-5490 |
| 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 |
|-------------------|--------------------|--------|------------|------------|-----------------|---------------|------------------|
| #8 | 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

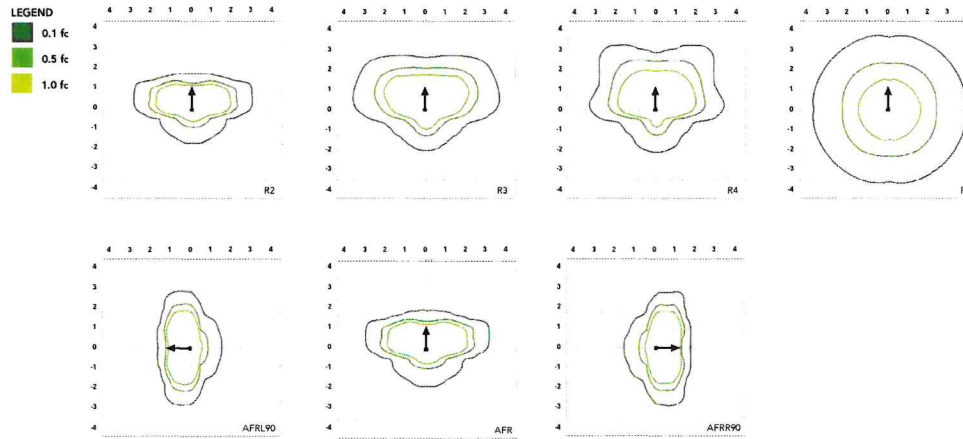
*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

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

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's RSX Area homepage.

Isofootcandle plots for the RSX2 LED P6 40K. Distances are in units of mounting height (30').



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

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

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

Electrical Load

| Performance Package | System Watts (W) | Current (A) | | | | | |
|---------------------|------------------|-------------|------|------|------|------|------|
| | | 120V | 208V | 240V | 277V | 347V | 480V |
| P1 | 71W | 0.59 | 0.34 | 0.30 | 0.26 | 0.20 | 0.15 |
| P2 | 111W | 0.93 | 0.53 | 0.46 | 0.40 | 0.32 | 0.23 |
| P3 | 147W | 1.23 | 0.70 | 0.61 | 0.53 | 0.42 | 0.31 |
| P4 | 187W | 1.55 | 0.90 | 0.78 | 0.68 | 0.53 | 0.38 |
| P5 | 210W | 1.75 | 1.01 | 0.87 | 0.76 | 0.60 | 0.44 |
| P6 | 244W | 2.03 | 1.17 | 1.01 | 0.88 | 0.70 | 0.51 |

Projected LED Lumen Maintenance

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

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

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.

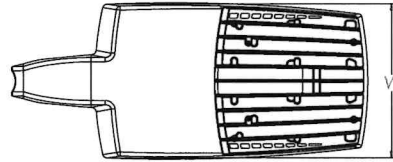
| Performance Package | System Watts | Distribution Type | 20K (3000K, 70 CRI) | | | | | 40K (4000K, 70 CRI) | | | | | 50K (5000K, 70 CRI) | | | | |
|---------------------|--------------|-------------------|---------------------|---|---|---|-------|---------------------|---|---|---|-------|---------------------|---|---|---|-------|
| | | | Lumens | B | U | G | L/P/W | Lumens | B | U | G | L/P/W | Lumens | B | U | G | L/P/W |
| 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 |
| | | R35 | 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 |
| | | R45 | 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 |
| | | R55 | 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 |
| | | R35 | 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 |
| | | R45 | 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 |
| | | R55 | 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 |
| | | R35 | 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 |
| | | R45 | 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 |
| | | R55 | 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 |
| | | R35 | 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 |
| | | R45 | 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 |
| | | R55 | 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 |
| | | R35 | 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 |
| | | R45 | 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 |
| | | R55 | 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 |
| | | R35 | 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 |
| | | R45 | 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 |
| | | R55 | 29,035 | 4 | 0 | 2 | 119 | 31,900 | 5 | 0 | 3 | 131 | 31,900 | 5 | 0 | 3 | 131 |
| | | AFR | 27,608 | 3 | 0 | 2 | 112 | 30,332 | 3 | 0 | 2 | 123 | 30,332 | 3 | 0 | 2 | 123 |
| | | AFRR90 | 27,872 | 4 | 0 | 3 | 113 | 30,622 | 5 | 0 | 3 | 124 | 30,622 | 5 | 0 | 3 | 124 |
| | | AFRL90 | 27,989 | 4 | 0 | 3 | 113 | 30,751 | 5 | 0 | 3 | 125 | 30,751 | 5 | 0 | 3 | 125 |

Dimensions & Weights

Luminaire Weight by Mounting Type

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

RSX2 with Round Pole Adapter (RPA)



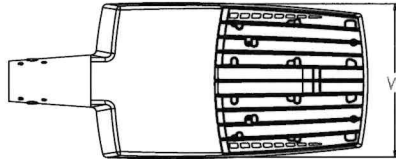
Length: 30.3" (77.0 cm)
 Width: 13.4" (34.0 cm)
 Height: 3.0" (7.6 cm) Main Body
 7.2" (18.3 cm) Arm



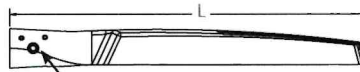
Note: RPA — Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.



RSX2 with Mast Arm Adapter (MA)

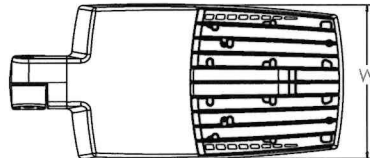


Length: 30.6" (77.7 cm)
 Width: 13.4" (34.0 cm)
 Height: 3.0" (7.6 cm) Main Body
 3.5" (8.9 cm) Arm

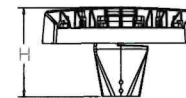
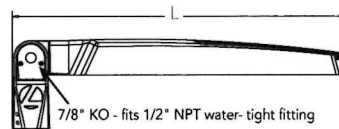


7/16" locking thru bolt/nut provided

RSX2 with Adjustable Slipfitter (IS)



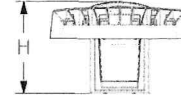
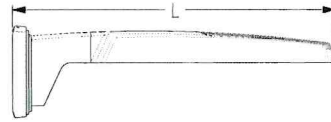
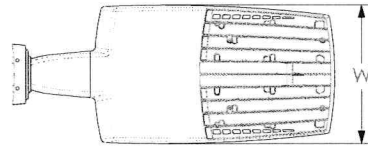
Length: 28.3" (71.9 cm)
 Width: 13.4" (34.0 cm)
 Height: 3.0" (7.6 cm) Main Body
 7.6" (19.3 cm) Arm



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

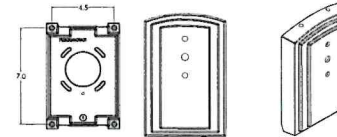
Dimensions

RSX2 with Wall Bracket (WBA)

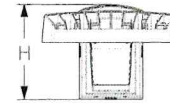
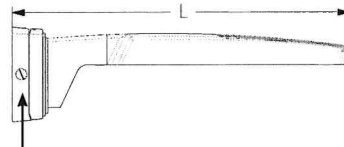
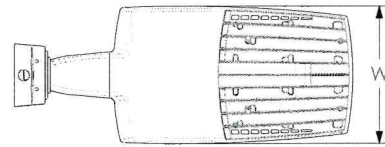


Length: 31.2" (79.2 cm)
 Width: 13.4" (41.7 cm)
 Height: 3.0" (7.6 cm) Main Body
 8.9" (22.6 cm) Arm

Wall Bracket (WBA) Mounting Detail



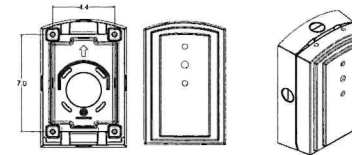
RSX2 with Wall Bracket with Surface Conduit Box (WBASC)



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

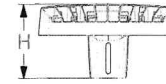
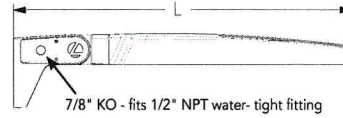
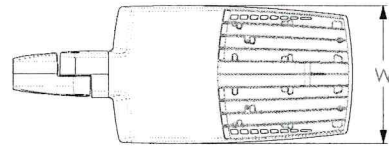
Length: 32.8" (83.3 cm)
 Width: 13.4" (41.7 cm)
 Height: 3.0" (7.6 cm) Main Body
 9.2" (23.4 cm) Arm

Surface Conduit Box (SCB) Mounting Detail

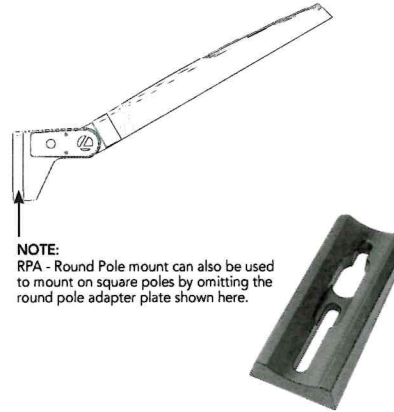


Dimensions

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



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

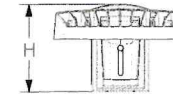
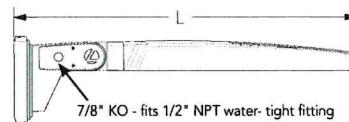
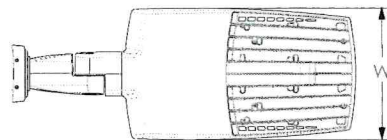


NOTE:
 RPA - Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.

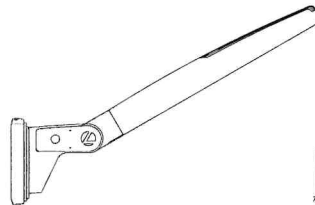
Notes

AASP: Requires 3.0" min. square pole for 1 at 90°. Requires 3.5" min. square pole for mounting 2, 3, 4 at 90°.
 AARP: Requires 3.2" min. dia. round pole for 2, 3, 4 at 90°. Requires 3.0" min. dia. round pole for mounting 1 at 90°, 2 at 180°, 3 at 120°.

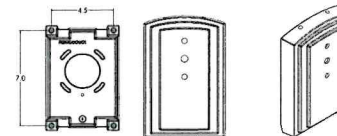
RSX2 with Adjustable Tilt Arm with Wall Bracket (AAWB)



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

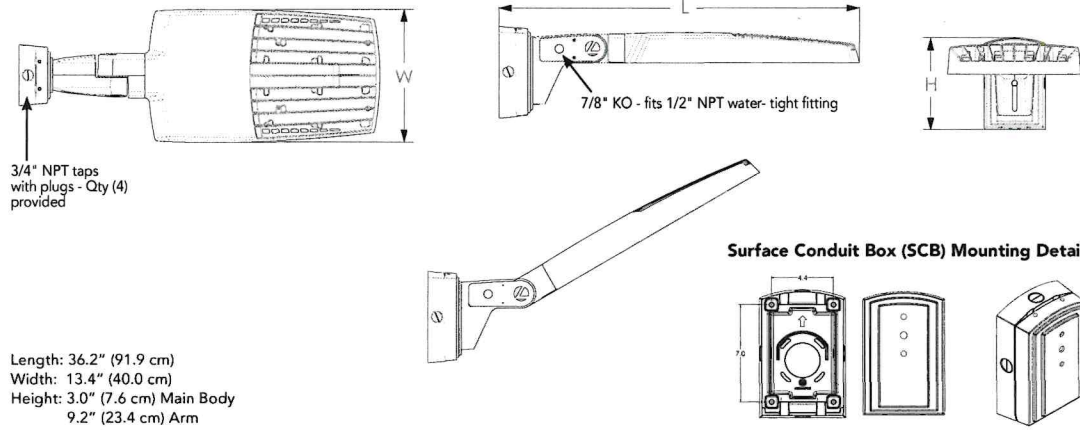


Wall Bracket (WBA) Mounting Detail

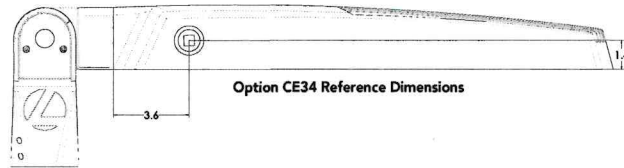


Dimensions

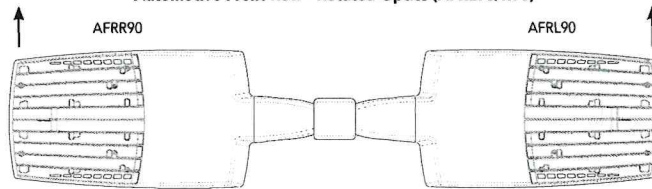
RSX2 with Adjustable Tilt Arm with Wall Bracket and Surface Conduit Box (AAWSC)



Additional Reference Drawings



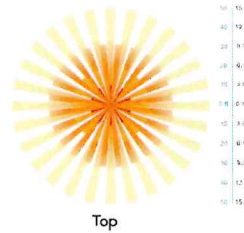
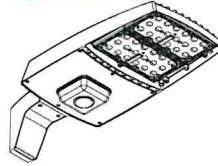
Automotive Front Row - Rotated Optics (AFRL90/R90)



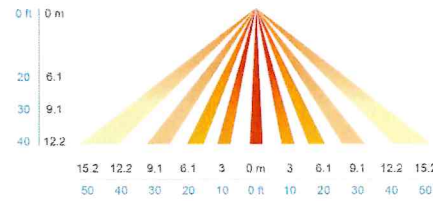
(Example: 2@180 - arrows indicate direction of light exiting the luminaire)

nLight Control - Sensor Coverage and Settings

NLTAIR2 PIRHN nLight Sensor Coverage Pattern nLight PIRHN



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 Clarity Pro App. Sensor coverage pattern shown with luminaire at 0°. Sensor coverage pattern is affected when luminaire is tilted.

FEATURES & SPECIFICATIONS

INTENDED USE

The RSX LED area family is designed to provide a long-lasting, energy-efficient solution for the one-for-one replacement of existing metal halide or high pressure sodium lighting. The RSX2 delivers 11,000 to 31,000 lumens and is ideal for replacing 250W to 1000W HID pole-mounted luminaires in parking lots and other area lighting applications.

CONSTRUCTION AND DESIGN

The RSX LED area luminaire features a rugged die-cast aluminum main body that uses heat-dissipating fins and flow-through venting to provide optimal thermal management that both enhances LED performance and extends component life. Integral "no drill" mounting arm allows the luminaire to be mounted on existing pole drillings, greatly reducing installation labor. The light engines and housing are sealed against moisture and environmental contaminants to IP66. The low-profile design results in a low EPA, allowing pole optimization. Vibration rated per ANSI C136.31: 3G Mountings: Include SPA, RPA, MA, IS, AASP, AARP rated for 3G vibration. 1.5G Mountings: Include WBA, WBASC, AAWB and AAWSC rated for 1.5G vibration.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures superior adhesion as well as a minimum finish thickness of 3 mils. The result is a high-quality finish that is warranted not to crack or peel.

OPTICS

Precision acrylic refractive lenses are engineered for superior application efficiency, distributing the light to where it is needed most. Available in short and wide pattern distributions including Type 2, Type 3, Type 3S, Type 4, Type 4S, Type 5, Type 5S, AFR (Automotive Front Row) and AFR rotated AFR90 and ARFL90.

ELECTRICAL

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

STANDARD CONTROLS

The RSX LED area luminaire has a wide assortment of control options. Dusk to dawn controls include MVOLT and 347V button-type photocells and NEMA twist-lock photocell receptacles.

nLIGHT AIR CONTROLS

The RSX LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing with photocontrol functionality and is suitable for mounting heights up to 40 feet. No commissioning is required when using factory default settings that provide basic stand-alone motion occupancy dimming that is switched on and off with a built-in photocell. See chart above for motion sensor default out-of-box settings. For more advanced wireless functionality, such as group dimming, nLight AIR can be commissioned using a smartphone and the easy-to-use CLAIRITY app. nLight AIR equipped luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclipse. Additional information about nLight Air can be found [here](#).

INSTALLATION

Integral "no-drill" mounting arm allows for fast, easy mounting using existing pole drillings. Select the "SPA" option for square poles and the "RPA" option to mount to round poles. Note, the RPA mount can also be used for mounting to square poles by omitting the RPA adapter plate. Select the "MA" option to attach the luminaire to a 2 3/8" horizontal mast arm or the "IS" option for an adjustable slipfitter that mounts on a 2 3/8" OD tenon. The adjustable slipfitter has an integral junction box and offers easy installation. Can be tilted up to 90° above horizontal. Additional mountings are available including a wall bracket, adjustable tilt arm for direct-to-pole and wall and a surface conduit box for wall mount applications.

LISTINGS

CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org 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. D882,1465

BUY AMERICAN ACT

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

WARRANTY

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



COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.acuitybrands.com
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Lithonia RSX2 Area LED
Rev. 11/21/22
Page 9 of 9



WDGE2 LED

Architectural Wall Sconce

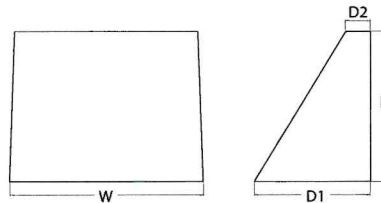
Precision Refractive Optic



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

Specifications

- Depth (D1):** 7"
- Depth (D2):** 1.5"
- Height:** 9"
- Width:** 11.5"
- Weight:** 13.5 lbs (without options)



Introduction

The WDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with nLight® AIR wireless controls, the WDGE family provides additional energy savings and code compliance.

WDGE2 with industry leading precision refractive optics provides great uniform distribution and optical control. When combined with multiple integrated emergency battery backup options, including an 18W cold temperature option, the WDGE2 becomes the ideal wall-mounted lighting solution for pedestrian scale applications in any environment.

WDGE LED Family Overview

| Luminaire | Optics | Standard EM, 0°C | Cold EM, -20°C | Sensor | Approximate Lumens (4000K, 80CRI) | | | | | | |
|-----------|----------------------|------------------|----------------|---------------------|-----------------------------------|--------|--------|--------|--------|--------|--------|
| | | | | | P0 | P1 | P2 | P3 | P4 | P5 | P6 |
| WDGE1 LED | Visual Comfort | 4W | | -- | 750 | 1,200 | 2,000 | -- | -- | -- | -- |
| WDGE2 LED | Visual Comfort | 10W | 18W | Standalone / nLight | -- | 1,200 | 2,000 | 3,000 | 4,500 | 6,000 | -- |
| WDGE2 LED | Precision Refractive | 10W | 18W | Standalone / nLight | 700 | 1,200 | 2,000 | 3,200 | 4,200 | -- | -- |
| WDGE3 LED | Precision Refractive | 15W | 18W | Standalone / nLight | -- | 7,500 | 8,500 | 10,000 | 12,000 | -- | -- |
| WDGE4 LED | Precision Refractive | | | Standalone / nLight | -- | 12,000 | 16,000 | 18,000 | 20,000 | 22,000 | 25,000 |

Ordering Information

EXAMPLE: WDGE2 LED P3 40K 80CRI VF MVOLT SRM DDBXD

| Series | Package | Color Temperature | CRI | Distribution | Voltage | Mounting | |
|-----------|-----------------|------------------------|------------------------------------|---------------------------|------------------|---|--|
| WDGE2 LED | P0 ¹ | 27K 2700K | 70CRI ⁴ | T1S Type I Short | MVOLT | Shipped included | Shipped separately |
| | P1 ² | 30K 3000K | 80CRI | T2M Type II Medium | 347 ³ | SRM Surface mounting bracket | AWS 3/8inch Architectural wall spacer |
| | P2 ² | 40K 4000K | LW ¹ Limited Wavelength | T3M Type III Medium | 480 ³ | ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only) ⁶ | PBBW Surface-mounted back box (top, left, right conduit entry). Use when there is no junction box available. |
| | P3 ² | 50K 5000K | | T4M Type IV Medium | | | |
| | P4 ² | AMB ¹ Amber | | TFTM Forward Throw Medium | | | |

| Options | | Finish |
|--|---|---|
| E10WH Emergency battery backup, Certified in CA Title 20 MAEDBS (10W, 5°C min) | Standalone Sensors/Controls | DDBXD Dark bronze |
| E20WC Emergency battery backup, Certified in CA Title 20 MAEDBS (18W, -20°C min) | PIR Bi-level (100/35%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk to dawn switching. | DBLXD Black |
| PE⁷ Photocell, Button Type | PIRH Bi-level (100/35%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk to dawn switching. | DNAXD Natural aluminum |
| DMG⁸ 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately) | PIR1FC3V Bi-level (100/35%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation. | DWHXD White |
| BCE Bottom conduit entry for back box (PBBW). Total of 4 entry points. | PIRH1FC3V Bi-level (100/35%) motion sensor for 15-30' mounting heights with photocell pre-programmed for dusk to dawn operation. | DSSXD Sandstone |
| BAA Buy America(n) Act Compliant | Networked Sensors/Controls | DBBTXD Textured dark bronze |
| | NLIAIR2 PIR nLightAIR Wireless enabled bi-level motion/ambient sensor for 8-15' mounting heights. | DBLXD Textured black |
| | NLIAIR2 PIRH nLightAIR Wireless enabled bi-level motion/ambient sensor for 15-30' mounting heights. | DNATXD Textured natural aluminum |
| | See page 4 for out of box functionality | DWHGXD Textured white |
| | | DSSTXD Textured sandstone |



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WDGE2 LED
Rev. 11/21/22

Accessories

Ordered and shipped separately.

WDGEAW5 DDBXD WDGE 3/8inch Architectural Wall Spacer (specify finish)

WDGE2PBBW DDBXD U WDGE2 surface-mounted back box (specify finish)

NOTES

- 1 PO option not available with sensors/controls.
- 2 P1-P4 not available with AMB and LW.
- 3 AMB and LW always go together.
- 4 70CRI only available with T3M and T4M.
- 5 347V and 480V not available with E10WH or E20WC.
- 6 Not qualified for DLC. Not available with emergency battery backup or sensors/controls.
- 7 PE not available in 480V or with sensors/controls.
- 8 DMG option not available with sensors/controls.

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 | Dist. Type | 27K (2700K, 80 CRI) | | | | | 30K (3000K, 80 CRI) | | | | | 40K (4000K, 80 CRI) | | | | | 50K (5000K, 80 CRI) | | | | | Amber (Limited Wavelength) | | | | |
|---------------------|--------------|------------|---------------------|-----|---|---|---|---------------------|-----|---|---|---|---------------------|-----|---|---|---|---------------------|-----|---|---|---|----------------------------|-----|---|---|---|
| | | | Lumens | LPW | B | U | G | Lumens | LPW | B | U | G | Lumens | LPW | B | U | G | Lumens | LPW | B | U | G | Lumens | LPW | B | U | G |
| P0 | 7W | T1S | 636 | 92 | 0 | 0 | 0 | 666 | 97 | 0 | 0 | 0 | 699 | 101 | 0 | 0 | 1 | 691 | 100 | 0 | 0 | 1 | 712 | 47 | 0 | 0 | 1 |
| | | T2M | 662 | 96 | 0 | 0 | 0 | 693 | 101 | 0 | 0 | 0 | 728 | 106 | 0 | 0 | 0 | 719 | 104 | 0 | 0 | 0 | 741 | 48 | 0 | 0 | 0 |
| | | T3M | 662 | 96 | 0 | 0 | 0 | 693 | 101 | 0 | 0 | 0 | 728 | 106 | 0 | 0 | 0 | 719 | 104 | 0 | 0 | 0 | 741 | 48 | 0 | 0 | 0 |
| | | T4M | 648 | 94 | 0 | 0 | 0 | 679 | 98 | 0 | 0 | 0 | 712 | 103 | 0 | 0 | 0 | 704 | 102 | 0 | 0 | 0 | 726 | 47 | 0 | 0 | 0 |
| | | TFIM | 652 | 95 | 0 | 0 | 0 | 683 | 99 | 0 | 0 | 0 | 717 | 104 | 0 | 0 | 0 | 708 | 103 | 0 | 0 | 0 | 730 | 48 | 0 | 0 | 1 |
| P1 | 11W | T1S | 1,105 | 99 | 0 | 0 | 1 | 1,157 | 104 | 0 | 0 | 1 | 1,215 | 109 | 0 | 0 | 1 | 1,200 | 107 | 0 | 0 | 1 | | | | | |
| | | T2M | 1,150 | 103 | 0 | 0 | 1 | 1,204 | 108 | 0 | 0 | 1 | 1,264 | 113 | 0 | 0 | 1 | 1,249 | 112 | 0 | 0 | 1 | | | | | |
| | | T3M | 1,150 | 103 | 0 | 0 | 1 | 1,205 | 108 | 0 | 0 | 1 | 1,265 | 113 | 0 | 0 | 1 | 1,250 | 112 | 0 | 0 | 1 | | | | | |
| | | T4M | 1,126 | 101 | 0 | 0 | 1 | 1,179 | 106 | 0 | 0 | 1 | 1,238 | 111 | 0 | 0 | 1 | 1,223 | 110 | 0 | 0 | 1 | | | | | |
| | | TFIM | 1,133 | 101 | 0 | 0 | 1 | 1,186 | 106 | 0 | 0 | 1 | 1,245 | 112 | 0 | 0 | 1 | 1,230 | 110 | 0 | 0 | 1 | | | | | |
| P2 | 19W | T1S | 1,801 | 95 | 1 | 0 | 1 | 1,886 | 99 | 1 | 0 | 1 | 1,981 | 104 | 1 | 0 | 1 | 1,957 | 103 | 1 | 0 | 1 | | | | | |
| | | T2M | 1,875 | 99 | 1 | 0 | 1 | 1,963 | 103 | 1 | 0 | 1 | 2,061 | 109 | 1 | 0 | 1 | 2,037 | 107 | 1 | 0 | 1 | | | | | |
| | | T3M | 1,876 | 99 | 1 | 0 | 1 | 1,964 | 103 | 1 | 0 | 1 | 2,062 | 109 | 1 | 0 | 1 | 2,038 | 107 | 1 | 0 | 1 | | | | | |
| | | T4M | 1,836 | 97 | 1 | 0 | 1 | 1,922 | 101 | 1 | 0 | 1 | 2,018 | 106 | 1 | 0 | 1 | 1,994 | 105 | 1 | 0 | 1 | | | | | |
| | | TFIM | 1,847 | 97 | 1 | 0 | 1 | 1,934 | 102 | 1 | 0 | 1 | 2,030 | 107 | 1 | 0 | 1 | 2,006 | 106 | 1 | 0 | 1 | | | | | |
| P3 | 32W | T1S | 2,809 | 87 | 1 | 0 | 1 | 2,942 | 92 | 1 | 0 | 1 | 3,089 | 96 | 1 | 0 | 1 | 3,052 | 95 | 1 | 0 | 1 | | | | | |
| | | T2M | 2,924 | 91 | 1 | 0 | 1 | 3,062 | 95 | 1 | 0 | 1 | 3,215 | 100 | 1 | 0 | 1 | 3,176 | 99 | 1 | 0 | 1 | | | | | |
| | | T3M | 2,925 | 91 | 1 | 0 | 1 | 3,063 | 95 | 1 | 0 | 1 | 3,216 | 100 | 1 | 0 | 1 | 3,177 | 99 | 1 | 0 | 1 | | | | | |
| | | T4M | 2,862 | 89 | 1 | 0 | 1 | 2,997 | 93 | 1 | 0 | 1 | 3,147 | 98 | 1 | 0 | 1 | 3,110 | 97 | 1 | 0 | 1 | | | | | |
| | | TFIM | 2,880 | 90 | 1 | 0 | 1 | 3,015 | 94 | 1 | 0 | 1 | 3,166 | 99 | 1 | 0 | 1 | 3,128 | 97 | 1 | 0 | 1 | | | | | |
| P4 | 47W | T1S | 3,729 | 80 | 1 | 0 | 1 | 3,904 | 84 | 1 | 0 | 1 | 4,099 | 88 | 1 | 0 | 1 | 4,051 | 87 | 1 | 0 | 1 | | | | | |
| | | T2M | 3,881 | 83 | 1 | 0 | 1 | 4,063 | 87 | 1 | 0 | 1 | 4,267 | 91 | 1 | 0 | 1 | 4,216 | 90 | 1 | 0 | 1 | | | | | |
| | | T3M | 3,882 | 83 | 1 | 0 | 1 | 4,065 | 87 | 1 | 0 | 1 | 4,268 | 91 | 1 | 0 | 1 | 4,217 | 90 | 1 | 0 | 1 | | | | | |
| | | T4M | 3,799 | 81 | 1 | 0 | 1 | 3,978 | 85 | 1 | 0 | 1 | 4,177 | 90 | 1 | 0 | 1 | 4,127 | 88 | 1 | 0 | 1 | | | | | |
| | | TFIM | 3,822 | 82 | 1 | 0 | 1 | 4,002 | 86 | 1 | 0 | 1 | 4,202 | 90 | 1 | 0 | 1 | 4,152 | 89 | 1 | 0 | 1 | | | | | |

| Performance Package | System Watts | Dist. Type | 27K (2700K, 70 CRI) | | | | | 30K (3000K, 70 CRI) | | | | | 40K (4000K, 70 CRI) | | | | | 50K (5000K, 70 CRI) | | | | | | | | | |
|---------------------|--------------|------------|---------------------|-----|---|---|---|---------------------|-----|---|---|---|---------------------|-----|---|---|---|---------------------|-----|---|---|---|--|--|--|--|--|
| | | | Lumens | LPW | B | U | G | Lumens | LPW | B | U | G | Lumens | LPW | B | U | G | Lumens | LPW | B | U | G | | | | | |
| P0 | 7W | T3M | 737 | 107 | 0 | 0 | 0 | 763 | 111 | 0 | 0 | 0 | 822 | 119 | 0 | 0 | 0 | 832 | 121 | 0 | 0 | 1 | | | | | |
| | | T4M | 721 | 105 | 0 | 0 | 0 | 746 | 108 | 0 | 0 | 0 | 804 | 117 | 0 | 0 | 1 | 814 | 118 | 0 | 0 | 1 | | | | | |
| P1 | 11W | T3M | 1,280 | 115 | 0 | 0 | 1 | 1,325 | 119 | 0 | 0 | 1 | 1,427 | 128 | 1 | 0 | 1 | 1,445 | 129 | 1 | 0 | 1 | | | | | |
| | | T4M | 1,253 | 112 | 0 | 0 | 1 | 1,297 | 116 | 0 | 0 | 1 | 1,397 | 125 | 0 | 0 | 1 | 1,415 | 127 | 0 | 0 | 1 | | | | | |
| P2 | 19W | T3M | 2,087 | 110 | 1 | 0 | 1 | 2,160 | 114 | 1 | 0 | 1 | 2,327 | 123 | 1 | 0 | 1 | 2,357 | 124 | 1 | 0 | 1 | | | | | |
| | | T4M | 2,042 | 108 | 1 | 0 | 1 | 2,114 | 111 | 1 | 0 | 1 | 2,278 | 120 | 1 | 0 | 1 | 2,306 | 121 | 1 | 0 | 1 | | | | | |
| P3 | 32W | T3M | 3,254 | 101 | 1 | 0 | 1 | 3,369 | 105 | 1 | 0 | 1 | 3,629 | 113 | 1 | 0 | 1 | 3,675 | 114 | 1 | 0 | 1 | | | | | |
| | | T4M | 3,185 | 99 | 1 | 0 | 1 | 3,297 | 103 | 1 | 0 | 1 | 3,552 | 111 | 1 | 0 | 1 | 3,597 | 112 | 1 | 0 | 1 | | | | | |
| P4 | 47W | T3M | 4,319 | 93 | 1 | 0 | 1 | 4,471 | 96 | 1 | 0 | 1 | 4,817 | 103 | 1 | 0 | 2 | 4,878 | 105 | 1 | 0 | 2 | | | | | |
| | | T4M | 4,227 | 91 | 1 | 0 | 1 | 4,376 | 94 | 1 | 0 | 2 | 4,714 | 101 | 1 | 0 | 2 | 4,774 | 102 | 1 | 0 | 2 | | | | | |



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WDGE2 LED
Rev. 11/21/22

Electrical Load

| Performance Package | System Watts | Current (A) | | | | | |
|---------------------|--------------|-------------|--------|--------|--------|--------|--------|
| | | 120Vac | 208Vac | 240Vac | 277Vac | 347Vac | 480Vac |
| P0 | 7.0 | 0.061 | 0.042 | 0.04 | 0.039 | -- | -- |
| | 9.0 | -- | -- | -- | -- | 0.031 | 0.021 |
| P1 | 11.0 | 0.100 | 0.064 | 0.059 | 0.054 | -- | -- |
| | 14.1 | -- | -- | -- | -- | 0.046 | 0.031 |
| P2 | 19.0 | 0.168 | 0.106 | 0.095 | 0.083 | -- | -- |
| | 22.8 | -- | -- | -- | -- | 0.067 | 0.050 |
| P3 | 32.0 | 0.284 | 0.163 | 0.144 | 0.131 | -- | -- |
| | 37.1 | -- | -- | -- | -- | 0.107 | 0.079 |
| P4 | 47.0 | 0.412 | 0.234 | 0.207 | 0.185 | -- | -- |
| | 53.5 | -- | -- | -- | -- | 0.153 | 0.112 |

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

| Ambient | | Lumen Multiplier |
|---------|-------|------------------|
| 0°C | 32°F | 1.03 |
| 10°C | 50°F | 1.02 |
| 20°C | 68°F | 1.01 |
| 25°C | 77°F | 1.00 |
| 30°C | 86°F | 0.99 |
| 40°C | 104°F | 0.97 |

Lumen Output in Emergency Mode (4000K, 80 CRI, T3M)

| Option | Lumens |
|--------|--------|
| E10WH | 1,358 |
| E20WC | 2,230 |

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

| Operating Hours | 0 | 25,000 | 50,000 | 100,000 |
|--------------------------|-----|--------|--------|---------|
| Lumen Maintenance Factor | 1.0 | >0.96 | >0.93 | >0.87 |

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting WDGE LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards.

LEGEND

- 0.25 fc
- 0.5 fc
- 1.0 fc
- 3.0 fc

MH = 10ft
Grid = 10ft x 10ft



Emergency Egress Options

Emergency Battery Backup

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain a minimum of 60% of the light output at the end of 90minutes.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9



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Rev. 11/21/22

Control / Sensor Options

Motion/Ambient Sensor (PIR, PIRH)

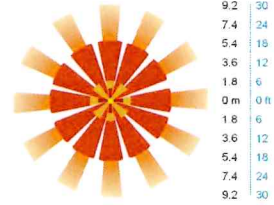
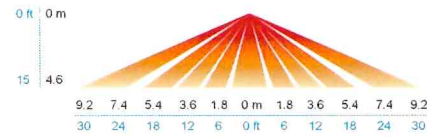
Motion/Ambient sensor (Sensor Switch MSOD) is integrated into the the luminaire. The sensor provides both Motion and Daylight based dimming of the luminaire. For motion detection, the sensor utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size motion while preventing false tripping from the environment. The integrated photocell enables additional energy savings during daytime periods when there is sufficient daylight. Optimize sensor coverage by either selecting PIR or PIRH option. PIR option comes with a sensor lens that is optimized to provide maximum coverage for mounting heights between 8-15ft, while PIRH is optimized for 15-40ft mounting height.

Networked Control (NLTAIR2)

nLight® AIR is a wireless lighting controls platform that allows for seamless integration of both indoor and outdoor luminaires. Five-tier security architecture, 900 MHz wireless communication and app (CLAIRITY™ Pro) based configurability combined together make nLight® AIR a secure, reliable and easy to use platform.

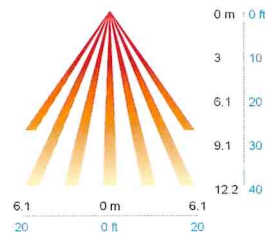
PIR

HIGH VIEW

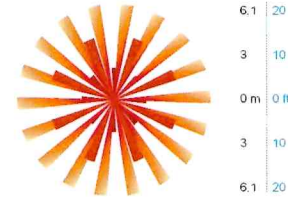


PIRH

SIDE VIEW



TOP VIEW



| Option | Dim Level | High Level (when triggered) | Photocell Operation | Motion Time Delay | Ramp-down Time | Ramp-up Time |
|--|---|-----------------------------|---------------------|-------------------|----------------|--------------------------------------|
| PIR or PIRH | Motion - 3V (37% of full output) Photocell - 0V (turned off) | 10V (100% output) | Enabled @ 5fc | 5 min | 5 min | Motion - 3 sec Photocell - 45 sec |
| PIR1FC3V, PIRH1FC3V | Motion - 3V (37% of full output) Photocell - 0V (turned off) | 10V (100% output) | Enabled @ 1fc | 5 min | 5 min | Motion - 3 sec Photocell - 45 sec |
| NLTAIR2 PIR, NLTAIR2 PIRH (out of box) | Motion - 3V (37% of full output) Photocell - 0V (turned off) | 10V (100% output) | Enabled @ 5fc | 7.5 min | 5 min | Motion - 3 sec Photocell - 45 sec |

Mounting, Options & Accessories



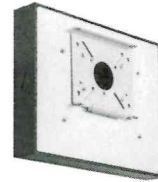
Motion/Ambient Sensor

D = 7"
H = 9" (Standalone controls)
11" (nLight AIR controls, 2" antenna will be pointing down behind the sensor)
W = 11.5"



AWS - 3/8inch Architectural Wall Spacer

D = 0.38"
H = 4.4"
W = 7.5"



PBBW - Surface-Mounted Back Box
Use when there is no junction box available.

D = 1.75"
H = 9"
W = 11.5"

FEATURES & SPECIFICATIONS

INTENDED USE

Common architectural look, with clean rectilinear shape, of the WDGE LED was designed to blend with any type of construction, whether it be tilt-up, frame or brick. Applications include commercial offices, warehouses, hospitals, schools, malls, restaurants, and other commercial buildings.

CONSTRUCTION

The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP66 rating for the luminaire.

FINISH

Exterior painted 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 a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS

Individually formed acrylic lenses are engineered for superior application efficiency which maximizes the light in the areas where it is most needed. The WDGE LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine consists of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L91/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire comes with built in 6kV surge protection, which meets a minimum Category C low exposure (per ANSI/IEEE C62.41.2). Fixture ships standard with 0-10v dimmable driver.

INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The 3/8" Architectural Wall Spacer (AWS) can be used to create a floating appearance or to accommodate small imperfections in the wall surface. The ICW option can be used to mount the luminaire inverted for indirect lighting in dry and damp locations. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP66 rated. PIR options are rated for wet location. 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.com/dlc/PIR 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 2700K and 3000K color temperature only and SRM mounting only.

BUY AMERICAN ACT

Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations.

Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY

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

www.acuitybrands.com/support/warranty-terms-and-conditions

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



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Rev. 11/21/22



FEATURES & SPECIFICATIONS

INTENDED USE — These specifications are for USA standards only. Square Straight Steel is a general purpose light pole for up to 39-foot mounting heights. This pole provides a robust yet cost effective option for mounting area lights and floodlights.

CONSTRUCTION —

Pole Shaft: The pole shaft is of uniform dimension and wall thickness and is made of a weldable-grade, hot-rolled, commercial-quality steel tubing with a minimum yield of 55 KSI (11-gauge, 0.120"), or 50 KSI (7-gauge, 0.179"). Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4", 5" and 6".

Pole Top: Options include 4" tenon top, drilled for side mount fixture, tenon with drilling (includes extra handhole) and open top. Side drilled and open top poles include a removable top cap.

Handhole: A reinforced handhole with grounding provision is provided at 18" from the base on side A. Positioning the handhole lower may not be possible and requires engineering review; consult Tech Support-Outdoor for further information. Every handhole includes a cover and cover attachment hardware. The handhole has a nominal dimension of 2.5" x 5".

Base Cover: A durable ABS plastic two-piece full base cover, finished to match the pole, is provided with each pole assembly. Additional base cover options are available upon request.

Anchor Base/Bolts: Anchor base is fabricated from steel that meets ASTM A36 standards and can be altered to match existing foundations; consult factory for modifications. Anchor bolts are manufactured to ASTM F1554 Standards grade 55, (55 KSI minimum yield strength and tensile strength of 75-95 KSI). Top threaded portion (nominal 12") is hot-dipped galvanized per ASTM A-153.

HARDWARE — All structural fasteners are high-strength galvanized carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel.

FINISH — Extra durable painted finish is coated with TGIC (Triglycidyl Isocyanurate) Polyester powder that meets SA and SB classifications of ASTM D3359. Powder-coat finishes include Dark Bronze, White, Black, and Natural Aluminum colors. Architectural Colors and Special Finishes are available by quote and include, but are not limited to Paint over Hot-dipped Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes.

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

INSTALLATION — Do not erect poles without having fixtures installed. Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage. Lithonia Lighting is not responsible for the foundation design.

WARRANTY — 1-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

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

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



Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL



SSS Square Straight Steel Poles

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: SSS 20 5C DM19 DDBXD

| SSS Series | Nominal fixture mounting height | Nominal shaft base size/wall thickness ² | Mounting ³ | Options | Finish ¹⁴ | | |
|-------------------|---|---|---|--|--|---|---|
| SSS ¹ | 10'-39' (for 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.) | 4C 4" 11g (0.120") | Tenon mounting | AERIS™ Suspend drill mounting ^{5,6} | Shipped installed | Super durable paint colors | |
| | | 4G 4" 7g (0.179") | PT Open top (includes top cap) | DM19AST_ 1 at 90° | VD Vibration damper ⁷ | DDBXD Dark bronze | |
| | | 5C 5" 11g (0.120") | T20 2-3/8" O.D. (2" NPS) | DM28AST_ 2 at 180° | HAXy Horizontal arm bracket (1 fixture) ^{8,9} | DBLXD Black | |
| | | 5G 5" 7g (0.179") | T25 2-7/8" O.D. (2-1/2" NPS) | DM29AST_ 2 at 90° | FDLxy Festoon outlet less electrical ^{10,11} | DNAXD Natural aluminum | |
| | | 6G 6" 7g (0.179") | T30 3-1/2" O.D. (3" NPS) | DM39AST_ 3 at 90° | CPL12/xy 1/2" coupling ⁴ | DWHXD White | |
| | | T35 4" O.D. (3-1/2" NPS) | DM49AST_ 4 at 90° | DM49AST_ 4 at 90° | CPL34/xy 3/4" coupling ⁴ | DSSXD Sandstone | |
| | See technical information table for complete ordering information.) | See technical information table for complete ordering information.) | KAC/KAD/KSE/KSF/KVR/KVF Drill mounting ⁴ | | | CPL1/xy 1" coupling ⁴ | DTGXD Tennis green |
| | | | OMERO™ Suspend drill mounting ^{5,6} | | | NPL12/xy 1/2" threaded nipple ⁴ | DBRXD Bright red |
| | | | DM19 1 at 90° | | | NPL34/xy 3/4" threaded nipple ⁴ | DSBXD Steel blue |
| | | | DM28 2 at 180° | | | NPL1/xy 1" threaded nipple ⁴ | DDBTXD Textured dark bronze |
| | | | DM28 PL 2 at 180° with one side plugged | | | EHLxy Extra handhole ¹¹ | DBL BXD Textured black |
| | | | DM29 2 at 90° | | | DM39MRT_ 3 at 90° | DNATXD Textured natural aluminum |
| | | | DM39 3 at 90° | | | DM49MRT_ 4 at 90° | DWHGXD Textured white |
| | | | DM49 4 at 90° | | | STLHHC Steel handhole cover (standard is plastic, finish is smooth) | STLFBC2PC 2 Piece steel base cover (standard is plastic) |
| | | | CSX/DSX/RSX/AERIS™/OMERO™/HLA/KAX Drill mounting ⁴ | | | IC Interior coating ¹² | L/AB Less anchor bolts (Include when anchor bolts are not needed) |
| | | | DM19AS 1 at 90° | | | TP Tamper resistant handhole cover fasteners | NEC NEC 410.30 compliant gasketed handhole (Not UL Labeled) |
| | | | DM28AS 2 at 180° | | | UL UL listed with label (Includes NEC compliant cover) | BAA Buy America(n) Act Compliant ¹³ |
| | | | DM29AS 2 at 90° | | | | |
| | | | DM39AS 3 at 90° | | | | |
| | | | DM49AS 4 at 90° | | | | |
| | | | RAD drill mounting ^{4,5} | | | | |
| | | | DM19RAD 1 at 90° | | | | |
| | | | DM28RAD 2 at 180° | | | | |
| | | | DM29RAD 2 at 90° | | | | |
| | | | DM39RAD 3 at 90° | | | | |
| | | | DM49RAD 4 at 90° | | | | |
| | | | ESX Drill mounting ⁴ | | | | |
| DM19ESX 1 at 90° | | | | | | | |
| DM28ESX 2 at 180° | | | | | | | |
| DM29ESX 2 at 90° | | | | | | | |
| DM39ESX 3 at 90° | | | | | | | |
| DM49ESX 4 at 90° | | | | | | | |

NOTES:

- Handhole covers (HHC), full base covers (FBC) and top caps (TC) shipped separately. No need to call out in nomenclature. For additional parts please order as replacements.
- Wall thickness will be signified with a "C" (11 Gauge) or a "G" (7-Gauge) in nomenclature. "C" - 0.120" | "G" - 0.179".
- PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28/T20. The combination includes a required extra handhole.
- Refer to the fixture spec sheet for the correct drilling template pattern and orientation compatibility.
- All RAD drilling's require a minimum top O.D. of 4".
- Insert "1" or "2" to designate fixture size; e.g. DM19AST2.
- On 4" and 5" poles, VD cannot be installed if provisions (EHH, FDL, NPL, CPL) are located higher than 2/3 of the poles total height.
Example: Pole height is 25ft, A provision cannot be placed above 16ft.
- Specify location and orientation when ordering option.
For "x": Specify the height above the base of pole in feet or feet and inches; separate feet and inches with a "-".
Example: 5ft = 5 and 20ft 3in = 20-3
For "y": Specify orientation from handhole (A,B,C,D) Refer to the Handhole Orientation diagram below.
Example: 1/2" coupling at 5' 8", orientation C = CPL12/5-8C
Horizontal arm is 18" x 2-3/8" O.D. tenon standard, with radius curve providing 12" rise and 2-3/8" O.D. If ordering two horizontal arm at the same height, specify with HAXy. Example: HA20BD
FDL does not come with GFCI outlet or handhole cover. These must be supplied by contractor or electrician.
- Combination of tenon-top and drill mount includes extra handhole. EHH includes cover.
- Provides enhanced corrosion resistance.
- Use when mill certifications are required.
- Finish must be specified. Additional colors available; see Architectural Colors brochure linked [here](#) (Form No. 794.3). Lead times may be extended up to 2 weeks due to paint procurement.

Accessories: Order as separate catalog number.

- PL DT20 Plugs for ESX drillings
- PL DT8 Plugs for DMxxAS drillings



POLE-SSS

SSS Square Straight Steel Poles

| TECHNICAL INFORMATION — EPA (ft ²) with 1.3 gust | | | | | | | | | | | | | |
|--|---|--|-----------------|-------|--------------------------------------|-------------|--------|-------------|---------|-------------|------------------|-----------------------------|--------------------------------|
| Catalog Number | Nominal Shaft Length (ft.) ^a | Pole Shaft Size (Base in. x Top in. x ft.) | Wall thick (in) | Gauge | EPA (ft ²) with 1.3 gust | | | | | | Bolt circle (in) | Bolt size (in. x in. x in.) | Approximate ship weight (lbs.) |
| | | | | | 80 MPH | Max. weight | 90 MPH | Max. weight | 100 MPH | Max. weight | | | |
| SSS 10 4C | 10 | 4.0 x 10.0 | 0.120" | 11 | 30.6 | 765 | 23.8 | 595 | 18.9 | 473 | 8-9 | 3/4 x 18 x 3 | 75 |
| SSS 12 4C | 12 | 4.0 x 12.0 | 0.120" | 11 | 24.4 | 610 | 18.8 | 470 | 14.8 | 370 | 8-9 | 3/4 x 18 x 3 | 90 |
| SSS 14 4C | 14 | 4.0 x 14.0 | 0.120" | 11 | 19.9 | 498 | 15.1 | 378 | 11.7 | 293 | 8-9 | 3/4 x 18 x 3 | 100 |
| SSS 16 4C | 16 | 4.0 x 16.0 | 0.120" | 11 | 15.9 | 398 | 11.8 | 295 | 8.9 | 223 | 8-9 | 3/4 x 18 x 3 | 115 |
| SSS 18 4C | 18 | 4.0 x 18.0 | 0.120" | 11 | 12.6 | 315 | 9.2 | 230 | 6.7 | 168 | 8-9 | 3/4 x 18 x 3 | 125 |
| SSS 20 4C | 20 | 4.0 x 20.0 | 0.120" | 11 | 9.6 | 240 | 6.7 | 167 | 4.5 | 150 | 8-9 | 3/4 x 18 x 3 | 140 |
| SSS 20 4G | 20 | 4.0 x 20.0 | 0.179" | 7 | 14 | 350 | 11 | 275 | 8 | 200 | 8-9 | 3/4 x 30 x 3 | 198 |
| SSS 20 5C | 20 | 5.0 x 20.0 | 0.120" | 11 | 17.7 | 443 | 12.7 | 343 | 9.4 | 235 | 10-12 | 1 x 36 x 4 | 185 |
| SSS 20 5G | 20 | 5.0 x 20.0 | 0.179" | 7 | 28.1 | 703 | 21.4 | 535 | 16.2 | 405 | 10-12 | 1 x 36 x 4 | 265 |
| SSS 25 4C | 25 | 4.0 x 25.0 | 0.120" | 11 | 4.8 | 150 | 2.6 | 100 | 1 | 50 | 8-9 | 3/4 x 18 x 3 | 170 |
| SSS 25 4G | 25 | 4.0 x 25.0 | 0.179" | 7 | 10.8 | 270 | 7.7 | 188 | 5.4 | 135 | 8-9 | 3/4 x 30 x 3 | 245 |
| SSS 25 5C | 25 | 5.0 x 25.0 | 0.120" | 11 | 9.8 | 245 | 6.3 | 157 | 3.7 | 150 | 10-12 | 1 x 36 x 4 | 225 |
| SSS 25 5G | 25 | 5.0 x 25.0 | 0.179" | 7 | 18.5 | 463 | 13.3 | 333 | 9.5 | 238 | 10-12 | 1 x 36 x 4 | 360 |
| SSS 30 4G | 30 | 4.0 x 30.0 | 0.179" | 7 | 6.7 | 168 | 4.4 | 110 | 2.6 | 65 | 8-9 | 3/4 x 30 x 3 | 295 |
| SSS 30 5C | 30 | 5.0 x 30.0 | 0.120" | 11 | 4.7 | 150 | 2 | 50 | -- | -- | 10-12 | 1 x 36 x 4 | 265 |
| SSS 30 5G | 30 | 5.0 x 30.0 | 0.179" | 7 | 10.7 | 267 | 6.7 | 167 | 3.9 | 100 | 10-12 | 1 x 36 x 4 | 380 |
| SSS 30 6G | 30 | 6.0 x 30.0 | 0.179" | 7 | 19 | 475 | 13.2 | 330 | 9 | 225 | 11-13 | 1 x 36 x 4 | 520 |
| SSS 35 5G | 35 | 5.0 x 35.0 | 0.179" | 7 | 5.9 | 150 | 2.5 | 100 | -- | -- | 10-12 | 1 x 36 x 4 | 440 |
| SSS 35 6G | 35 | 6.0 x 35.0 | 0.179" | 7 | 12.4 | 310 | 7.6 | 190 | 4.2 | 105 | 11-13 | 1 x 36 x 4 | 540 |
| SSS 39 6G | 39 | 6.0 x 39.0 | 0.179" | 7 | 7.2 | 180 | 3 | 75 | -- | -- | 11-13 | 1 x 36 x 4 | 605 |

NOTE: ^a EPA values are based ASCE 7-93 wind map. For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.

| TECHNICAL INFORMATION — EPA (ft ²) WITH 3-SECOND GUST PER AASHTO 2013 | | | | | | | | | | | | | | | | | |
|---|-----------------------------------|-----------------|--------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|--------------------------------|
| Series | Mounting Height (ft) ^a | Shaft Base Size | 90 MPH | Max. weight | 100 MPH | Max. weight | 110 MPH | Max. weight | 120 MPH | Max. weight | 130 MPH | Max. weight | 140 MPH | Max. weight | 150 MPH | Max. weight | Approximate ship weight (lbs.) |
| SSS | 10 | 4C | 20 | 500 | 16 | 400 | 13 | 325 | 10.5 | 263 | 8.5 | 213 | 7 | 175 | 6 | 150 | 75 |
| SSS | 12 | 4C | 16 | 400 | 13 | 325 | 10 | 250 | 8 | 200 | 6.5 | 163 | 5 | 125 | 4 | 100 | 90 |
| SSS | 14 | 4C | 13.5 | 338 | 10 | 250 | 7.5 | 188 | 6 | 150 | 4.5 | 113 | 3.5 | 88 | 2.5 | 63 | 100 |
| SSS | 16 | 4C | 10.5 | 263 | 7.5 | 188 | 5.5 | 138 | 4 | 100 | 3 | 75 | 1.5 | 38 | 1 | 25 | 115 |
| SSS | 18 | 4C | 8 | 200 | 5.5 | 138 | 4 | 100 | 2.5 | 63 | 1.5 | 38 | 0.5 | 13 | -- | -- | 125 |
| SSS | 18 | 4G | 13 | 325 | 9.5 | 238 | 7 | 175 | 5 | 125 | 3.5 | 88 | 2.5 | 63 | 1.5 | 38 | 185 |
| SSS | 18 | 5C | 13 | 325 | 9.5 | 238 | 6.5 | 163 | 4.5 | 113 | 3 | 75 | 1.5 | 38 | .5 | 13 | 170 |
| SSS | 20 | 4C | 6 | 150 | 4 | 100 | 2.5 | 63 | 1 | 25 | -- | -- | -- | -- | -- | -- | 140 |
| SSS | 20 | 4G | 10.5 | 263 | 7.5 | 188 | 5.5 | 138 | 3.5 | 88 | 2 | 50 | 1 | 25 | -- | -- | 205 |
| SSS | 20 | 5C | 10 | 250 | 7 | 175 | 4.5 | 113 | 2.5 | 63 | 1 | 25 | -- | -- | -- | -- | 185 |
| SSS | 20 | 5G | 20 | 500 | 15 | 375 | 11.5 | 288 | 8.5 | 213 | 6 | 150 | 4.5 | 113 | 3 | 75 | 265 |
| SSS | 25 | 4C | 2 | 50 | 0.5 | 13 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 170 |
| SSS | 25 | 4G | 5.5 | 138 | 3 | 75 | 1.5 | 38 | -- | -- | -- | -- | -- | -- | -- | -- | 245 |
| SSS | 25 | 5C | 4.5 | 113 | 2 | 50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 225 |
| SSS | 25 | 5G | 12 | 300 | 8.5 | 213 | 5.5 | 138 | 3 | 75 | 1.5 | 38 | -- | -- | -- | -- | 360 |
| SSS | 25 | 6G | 19 | 475 | 13.5 | 338 | 9 | 225 | 5.5 | 138 | 3 | 75 | 1 | 25 | -- | -- | 445 |
| SSS | 30 | 4G | 1.5 | 38 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 291 |
| SSS | 30 | 5C | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 265 |
| SSS | 30 | 5G | 6.5 | 163 | 3.5 | 88 | 1 | 25 | -- | -- | -- | -- | -- | -- | -- | -- | 380 |
| SSS | 30 | 6G | 11 | 275 | 6 | 150 | 2.5 | 63 | -- | -- | -- | -- | -- | -- | -- | -- | 520 |
| SSS | 35 | 5G | 2 | 50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 440 |
| SSS | 35 | 6G | 4 | 100 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 540 |
| SSS | 39 | 6G | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 605 |

NOTE: AASHTO 2013 criteria is the most conservative existing EPA calculation. For poles not showing EPA values under AASHTO 2013, EPA values may exist under commercial criteria (see table above).

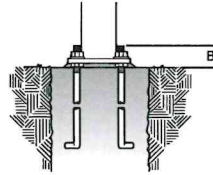
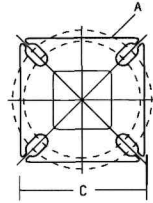
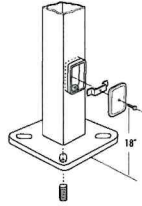
^aFor 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.



POLE-SSS

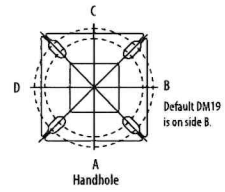
SSS Square Straight Steel Poles

BASE DETAIL



| POLE DATA | | | | | | | |
|-----------------|---------------|-------------------|---------------|----------------------|----------------------|-------------------------|--------------------------------------|
| Shaft base size | Bolt circle A | Bolt projection B | Base square C | Base plate thickness | Template description | Anchor bolt description | Anchor bolt and template description |
| 4"C | 8" - 9" | 3.25" - 3.75" | 8" - 8.25" | 0.75" | ABTEMPLATE PIS0004 | AB18-0 | ABSSS-4C |
| 4"G | 8" - 9" | 3.38" - 3.75" | 8" - 8.25" | 0.875" | ABTEMPLATE PIS0004 | AB30-0 | ABSSS-4G |
| 5" | 10" - 12" | 3.5" - 4" | 11" | 1" | ABTEMPLATE PIS0010 | AB36-0 | ABSSS-5 |
| 6" | 11" - 13" | 4" - 4.50" | 12.5" | 1" | ABTEMPLATE PIS0011 | AB36-0 | N/A |

HANDHOLE ORIENTATION



IMPORTANT INSTALLATION NOTES:

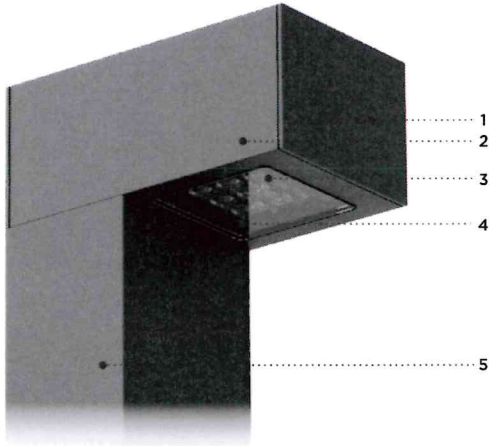
- Do not erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Lithonia Lighting is not responsible for the foundation design.
- Bolt circles have +/- 1/2" tolerance.

CAUTION: These specifications are intended for general purposes only. Lithonia Lighting reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.

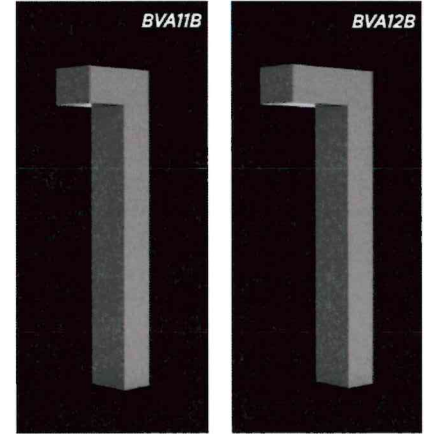
TYPE: _____ QUANTITY: _____ PROJECT: _____

CATALOG NUMBER:

MODEL LED LIGHT SELECTION CCT VOLTAGE FINISH OPTION OPTION OPTION



- 1- Front cover constructed of corrosion resistant aluminum.
- 2- 4.5" (114mm) x 6" (152mm) Extruded aluminum optical chamber.
- 3- Available in configurations of 9 LEDs or 18 LEDs
- 4- Clear tempered glass.
- 5- 4.5" (114mm) x 6" (152mm) 6063-T6 aluminum pole. 0.125" wall thickness. All stainless steel hardware.



MATERIALS

Bellevue bollard is made of 6063-T6 extruded aluminum alloy. LED board is assembled on a thick extruded aluminum profile and protected by a clear tempered glass. The acrylic optics provide a wide range of IES type distribution. The driver is mounted inside the fixture which is accessible from the back of the fixture head for ease of maintenance.

ELECTRICAL

DRIVER Standard driver is 120-277V multi-volt compatibility (50-60Hz), 0-10V dimming-ready (dims to 10%). Optional 347/480V, operating temperatures of -40°C/-40°F to 55°C/131°F, output over voltage protection, output over current protection, output short circuit protection with auto-recovery.

LED Type I, II, III, IV light distribution via high performance optical lenses. Offered in 2700K, 3000K, 3500K, 4000K / 80 CRI. Optional true amber LED for turtle sensitive areas. Wavelengths: 584.5nm to 597nm.

LIFETIME

60,000hrs L70B50 (based on LM-80 report for lumen maintenance).

FINISH

Polyester powder coating is applied through an electrostatic process, and oven cured for long term finish.

CERTIFICATION

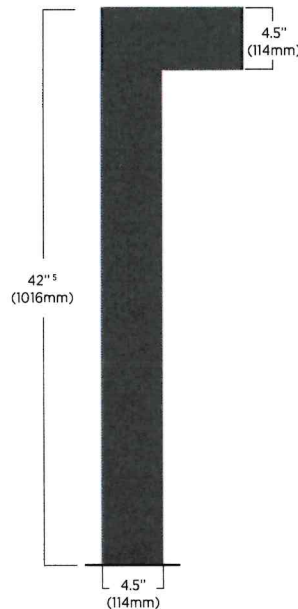
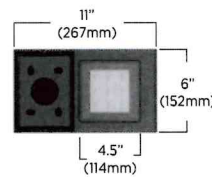
Certified and Approved as per CSA C22.2 No.: 250.0 standard and ANSI/UL 1598 standard, for wet location. Rated IP65. Rated IK10.

Photometric testing performed by an independent laboratory in accordance with IES LM-79-08 standards at 25°C. Lumen depreciation in accordance with IESNA LM80 standards.

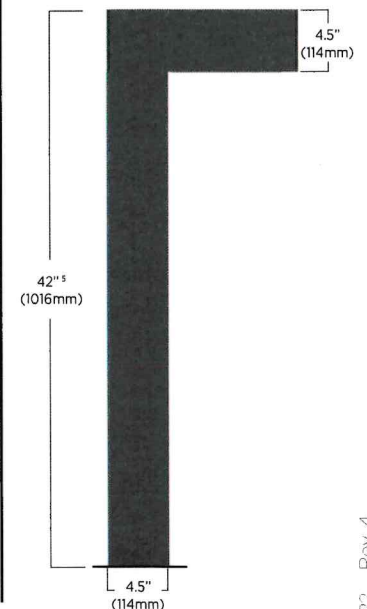
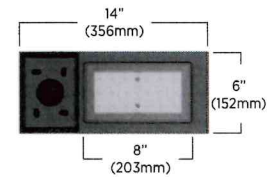
MOUNTING

Maximum weight: 25 lbs (11.3 kg)
Bellevue is designed for ease of access and installation. The head is secured on a mounting bracket that is accessible from the inside. The base plate is secured with a set of (4) 3/8"-16 x 10" lg. galvanized hook anchor bolts.

BVA11B



BVA12B



BVA11B/BVA12B SERIES Bellevue

LUMINAIRE SELECTION - BVA11B/BVA12B

1 MODEL

2 LED LIGHT SELECTION

3 CCT °K LED

4 VOLTAGE ¹

5 FINISH



BVA11B

WHITE LED SELECTION

| TYPE | SUFFIX | DELIVERED LUMENS* | INPUT WATTS |
|----------|-------------------------------------|-------------------|-------------|
| TYPE I | <input type="checkbox"/> L1L10-TYP1 | 1205 | 11W |
| | <input type="checkbox"/> L1L16-TYP1 | 1846 | 19W |
| | <input type="checkbox"/> L1L24-TYP1 | 2635 | 30W |
| TYPE II | <input type="checkbox"/> L1L10-TYP2 | 1072 | 11W |
| | <input type="checkbox"/> L1L16-TYP2 | 1643 | 19W |
| | <input type="checkbox"/> L1L24-TYP2 | 2345 | 30W |
| TYPE III | <input type="checkbox"/> L1L10-TYP3 | 977 | 11W |
| | <input type="checkbox"/> L1L16-TYP3 | 1497 | 19W |
| | <input type="checkbox"/> L1L24-TYP3 | 2137 | 30W |
| TYPE IV | <input type="checkbox"/> L1L10-TYP4 | 904 | 11W |
| | <input type="checkbox"/> L1L16-TYP4 | 1384 | 19W |
| | <input type="checkbox"/> L1L24-TYP4 | 1976 | 30W |

*4000K / 80CRI

TEMPERATURE*

| | |
|------------------------------|-------|
| <input type="checkbox"/> K27 | 2700K |
| <input type="checkbox"/> K30 | 3000K |
| <input type="checkbox"/> K35 | 3500K |
| <input type="checkbox"/> K40 | 4000K |

STANDARD

| |
|-------------------------------|
| <input type="checkbox"/> 120V |
| <input type="checkbox"/> 208V |
| <input type="checkbox"/> 240V |
| <input type="checkbox"/> 277V |

STANDARD COLORS

| | |
|------------------------------|---------------|
| <input type="checkbox"/> WHT | Snow white |
| <input type="checkbox"/> BKT | Jet black |
| <input type="checkbox"/> BZT | Bronze |
| <input type="checkbox"/> MST | Matte silver |
| <input type="checkbox"/> GRT | Titanium gray |
| <input type="checkbox"/> DGT | Gun metal |
| <input type="checkbox"/> CHT | Champagne |
| <input type="checkbox"/> SGT | Steel gray |
| <input type="checkbox"/> BGT | English cream |

OPTIONAL

| |
|-------------------------------|
| <input type="checkbox"/> 347V |
| <input type="checkbox"/> 480V |

OPTIONAL COLORS

| | |
|------------------------------|--------------|
| <input type="checkbox"/> CS | Custom color |
| <input type="checkbox"/> RAL | RAL# color |

AMBER LED SELECTION - TURTLE FRIENDLY

| TYPE | SUFFIX | DELIVERED LUMENS | INPUT WATTS |
|----------|--------------------------------------|------------------|-------------|
| TYPE I | <input type="checkbox"/> L1LK2A-TYP1 | 349 | 8W |
| TYPE II | <input type="checkbox"/> L1LK2A-TYP2 | 311 | 8W |
| TYPE III | <input type="checkbox"/> L1LK2A-TYP3 | 283 | 8W |
| TYPE IV | <input type="checkbox"/> L1LK2A-TYP4 | 262 | 8W |

WHITE LED SELECTION

| TYPE | SUFFIX | DELIVERED LUMENS* | INPUT WATTS |
|----------|-------------------------------------|-------------------|-------------|
| TYPE I | <input type="checkbox"/> L2L26-TYP1 | 2957 | 29W |
| | <input type="checkbox"/> L2L34-TYP1 | 3692 | 38W |
| | <input type="checkbox"/> L2L40-TYP1 | 4248 | 46W |
| TYPE II | <input type="checkbox"/> L2L26-TYP2 | 2632 | 29W |
| | <input type="checkbox"/> L2L34-TYP2 | 3285 | 38W |
| | <input type="checkbox"/> L2L40-TYP2 | 3780 | 46W |
| TYPE III | <input type="checkbox"/> L2L26-TYP3 | 2398 | 29W |
| | <input type="checkbox"/> L2L34-TYP3 | 2994 | 38W |
| | <input type="checkbox"/> L2L40-TYP3 | 3445 | 46W |
| TYPE IV | <input type="checkbox"/> L2L26-TYP4 | 2218 | 29W |
| | <input type="checkbox"/> L2L34-TYP4 | 2769 | 38W |
| | <input type="checkbox"/> L2L40-TYP4 | 3186 | 46W |

*4000K / 80CRI

AMBER LED SELECTION - TURTLE FRIENDLY

| TYPE | SUFFIX | DELIVERED LUMENS | INPUT WATTS |
|----------|--------------------------------------|------------------|-------------|
| TYPE I | <input type="checkbox"/> L2LK2A-TYP1 | 698 | 16W |
| TYPE II | <input type="checkbox"/> L2LK2A-TYP2 | 621 | 16W |
| TYPE III | <input type="checkbox"/> L2LK2A-TYP3 | 566 | 16W |
| TYPE IV | <input type="checkbox"/> L2LK2A-TYP4 | 524 | 16W |

*80CRI

¹Refer to color chart



For IDA certification compliance, luminaire must be ordered with 3000K or warmer.

LUMINIS®

LUMINIS | Toll free: 866.586.4647 Fax: 514.683.8872 Email: info@luminis.com
260 Labrosse, Pointe-Claire (QC) Canada H9R 5L5

Luminaires may be altered for design improvement without prior notice.

LUMINIS.COM

OPTIONS

PHOTOCELL

- PH** Thermal button photocell mounted on top casted housing (as shown on image). Instant turn-on, standard 5-10 second turn-off time delay.

FUSE SAFETY

- FS** Fuse

SURGE PROTECTOR

- SP** 10kV surge protector

FAUX WOOD COLORS⁴

- | | |
|--|--|
| <input type="checkbox"/> ADG American douglas | <input type="checkbox"/> MPL Maple |
| <input type="checkbox"/> BRC Birch | <input type="checkbox"/> OFL Oak |
| <input type="checkbox"/> CHN Chestnut | <input type="checkbox"/> RSW Rosewood |
| <input type="checkbox"/> CRY Cherry | <input type="checkbox"/> TEK Teak |
| <input type="checkbox"/> KNP Knotty pine | <input type="checkbox"/> WLN Walnut |

GROUND FAULT CIRCUIT INTERRUPTION³

- GFI** Ground fault circuit interruption flush receptacle. Access door secured with torx screws.

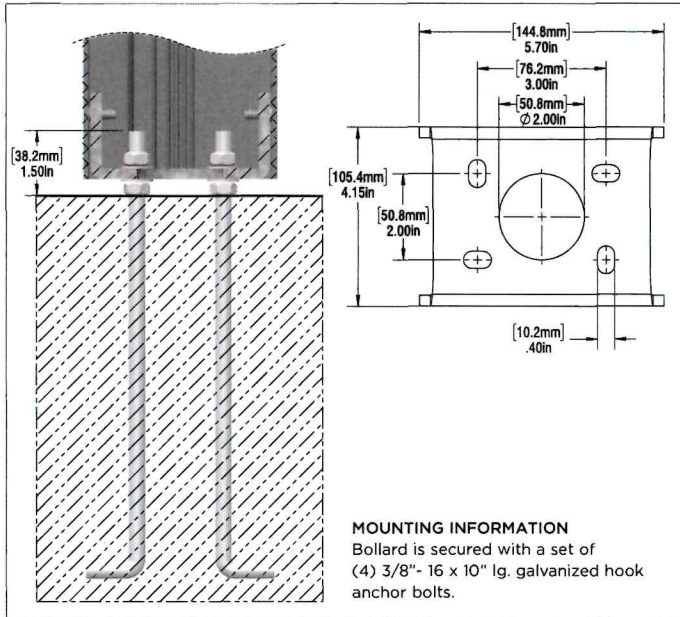
ENVIRONMENT

- MG** Marine grade paint²
- NT** Natatorium (only available in WHT and BKT)

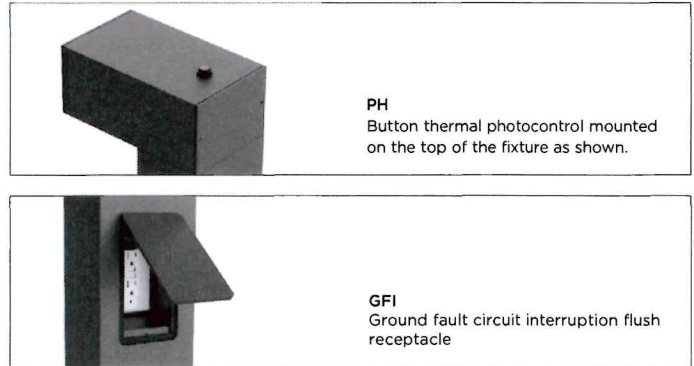
NOTES

- 1- If no voltage is specified, luminaires are factory prewired by default for 120V. For other voltages, please specify with catalog number, or consult factory.
- 2- Marine grade paint for harsh, coastal environment and exposure to salt water. Longer lead time may apply please contact factory for info.
- 3- GFI option are installed 27" above grade. GFI flush cover. GFI receptacle by others 120V required for GFI.
- 4- Faux wood finish not applied to the fixture head.
- 5- For additional height, contact factory. Longer lead time may apply.

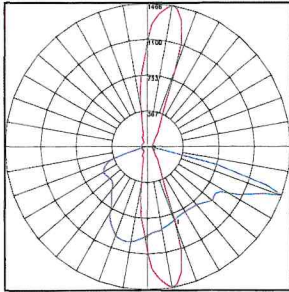
MOUNTING INFORMATION



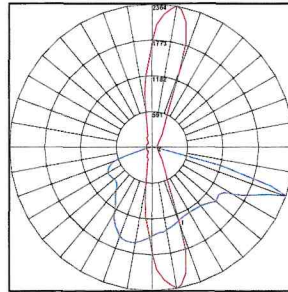
OPTIONS DETAILS



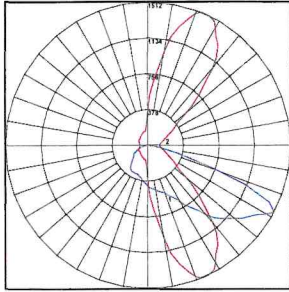
TYPICAL PHOTOMETRY SUMMARY



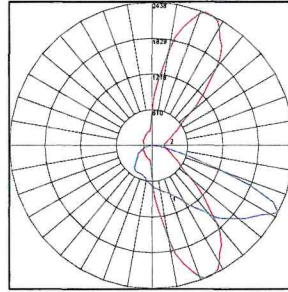
BVA11B-L1L24-TYP1
 Delivered lumens : 2635 lumens
 Power consumption 30.5W
 Efficacy : 87 Lumens/Watt
 Maximum Candela : 1466 @ 80°H/70°V
 BUG : B1-U0-G1



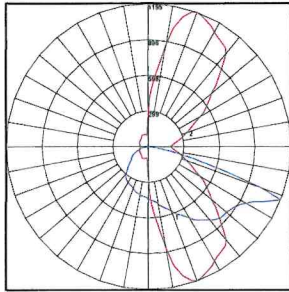
BVA12B-L2L40-TYP1
 Delivered lumens : 4274 lumens
 Power consumption 46.3W
 Efficacy : 92 Lumens/Watt
 Maximum Candela : 2364 @ 80°H/70°V
 BUG : B2-U0-G1



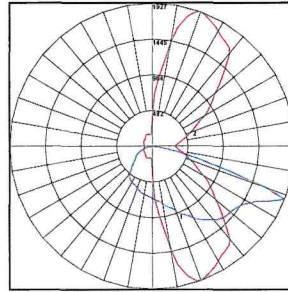
BVA11B-L1L24-TYP2
 Delivered lumens : 2345 lumens
 Power consumption 30.5W
 Efficacy : 77 Lumens/Watt
 Maximum Candela : 1195 @ 68°H/62°V
 BUG : B1-U0-G0



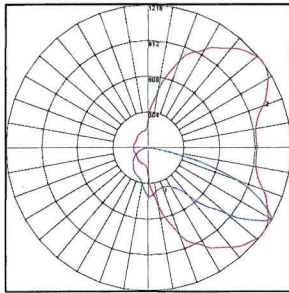
BVA12B-L2L40-TYP2
 Delivered lumens : 3780 lumens
 Power consumption 46.3W
 Efficacy : 81 Lumens/Watt
 Maximum Candela : 2438 @ 68°H/62°V
 BUG : B1-U0-G1



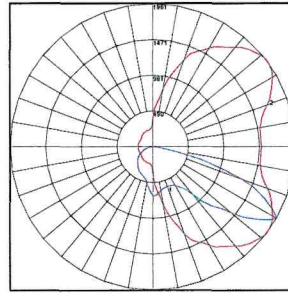
BVA11B-L1L24-TYP3
 Delivered lumens : 2145 lumens
 Power consumption 30.5W
 Efficacy : 70 Lumens/Watt
 Maximum Candela : 1195 @ 70°H/68°V
 BUG : B1-U0-G0



BVA12B-L2L40-TYP3
 Delivered lumens : 3445 lumens
 Power consumption 46.3W
 Efficacy : 75 Lumens/Watt
 Maximum Candela : 1937 @ 70°H/68°V
 BUG : B1-U0-G1



BVA11B-L1L24-TYP4
 Delivered lumens : 1976 lumens
 Power consumption 30.5W
 Efficacy : 65 Lumens/Watt
 Maximum Candela : 1216 @ 38°H/60°V
 BUG : B1-U0-G1



BVA12B-L2L40-TYP4
 Delivered lumens : 3186 lumens
 Power consumption 46.3W
 Efficacy : 69 Lumens/Watt
 Maximum Candela : 1961 @ 38°H/60°V
 BUG : B1-U0-G1

LUMEN CONVERSION FACTOR (LCF)

| CCT | LCF | CRI |
|-------|------|-----|
| 2700K | 0.91 | 80 |
| 3000K | 0.94 | 80 |
| 3500K | 0.98 | 80 |
| 4000K | 1.00 | 80 |

All Photometry shown use the Standard 80CRI 4000K LEDs.
 Please visit our web site www.luminis.com for complete IES E formatted download data.

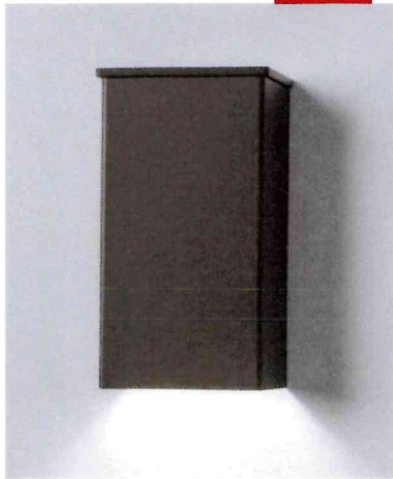


520 Sentinel

Project: _____

Location: _____

| Catalog Number | MODEL | WATTS | FINISH | OPTION(S) |
|-----------------------------|-------|-------|--------|-----------|
| Example: 520-1LED14-BLK-40K | 520 | - | - | - |



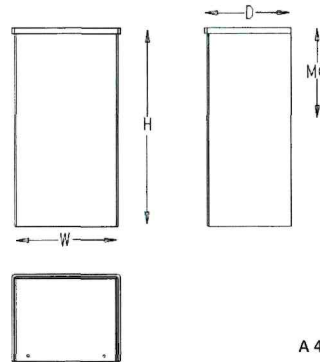
Small and compact, with a powerful downward punch of light and direct cutoff, the Sentinel is a very efficient luminaire. Utilizing an LED source, this product is perfect for porches and outdoor staircases as well as grazing desirable walls.

Features:

- Small compact fixture provides ample amount of downlight
- Brushed aluminum or painted finish
- Custom laser cut images available. Consult factory for pricing
- Bottom lens standard
- Compliant with all ADA requirements
- Standard 0-10V dimming driver. 120-277V MVOLT
- Listed and approved for wet locations
- Manufactured in the USA

Dimensions

| Width | Height | Depth |
|-------|--------|-------|
| 5" | 9" | 4" |



A 4" octagonal junction box should be used for installation
MC = Mounting Center, located at center of fixture unless noted otherwise

Ordering Information/Options

| Model | Watts | Finishes | Options |
|-------|--------------------|---------------------|-----------------------------|
| 520 | 1LED9 1100 Lumens | WHT White | PC Photo Cell |
| | 1LED14 1550 Lumens | BLK Black | 30K 3000 Kelvin Temperature |
| | 1LED19 2000 Lumens | SAL Silver | 35K 3500 Kelvin Temperature |
| | | BRZ Bronze | 40K 4000 Kelvin Temperature |
| | | BA Brushed Aluminum | |

Indessa
Lighting

PHONE: 509.924.0243

www.indessa.com

Indessa Lighting reserves the right to make design revisions without prior notice.



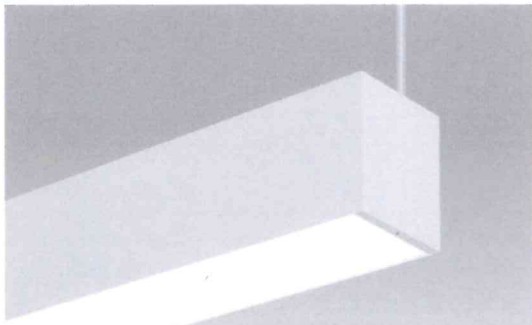
VIA 4 SEAL

PENDANT
DIRECT, DIRECT/INDIRECT
STATIC WHITE, BIOS ST/DY
VIA WEATHER SERIES

LUMENWERX



Project: _____
Type: _____



DESCRIPTION

Sealed with silicone gaskets, Via Seal fixtures are intended for wet locations and can be pendant, surface, wall, or recessed mounted. They can act alone as discrete luminaires, or be arranged in continuous lines or patterns. Via 4 Seal is suitable for wet locations where temperatures are moderate and in which spaces are regularly wiped down and frequently in contact with debris and/or moisture. The fixture can be used to create continuous, unbroken lines of light. Via 4 Seal is also offered as Wet Listed certified by ETL (Electrical Testing Laboratories), in which case, it is able to withstand smaller particles of debris and light water infiltration. Via 4 Seal Wet Listed can also be used to create continuous lines of light, but with subtle breaks at 12-foot increments. See separate spec sheets for patterns and other available mountings.

SENSORS
For latest information on sensors, click [here](#).



IMPORTANT:
Fixture must be installed with direct lens facing down.



Order Guide

| LUMINAIRE ID | DISTRIBUTION | ENVIRONMENT ² | DIRECT OPTIC | INDIRECT OPTIC Specify NA for Direct fixture | LIGHT SOURCE ⁶ |
|--------------------------------------|---|--|--|--|--|
| V4SEALP | | | | | |
| V4SEALP - Via 4" Seal Pendant | D - Direct DI ¹ - Direct/Indirect ¹ Not available with WETL option. | WET ³ - Wet Suitable (IP44) WETL ^{3,4} - Wet Listed (IP54) ² See page 4 for more information on each environment option. ³ Suitable for outdoor environments only when installed under canopy. Not suitable for extreme weather environments. Consult factory for low temperature applications. ⁴ Can be slightly exposed to water. A minimal shadow line visible at every 12'. Not available with Direct/Indirect. | EPDO - Environmentally Protected Direct Optic ASDO - Asymmetric Soft Direct Optic | EPIO - Environmentally Protected Indirect Optic ASIO ⁵ - Asymmetric Soft Indirect Optic WIO2 ⁵ - Widespread Indirect Optic NA - Not applicable ⁵ Not available with BIOS. | SW - Static white BIOSS ⁷ - Static biologically-optimized lighting BIOSDY ⁷ - Dynamic biologically-optimized lighting ⁶ Chromawerx Sola and Duo also available. Consult other spec sheet. |

| CRI | DIR. LUM. PACK. | INDIR. LUM. PACK. Specify NA for Direct fixture | COLOR TEMP. | LUMINAIRE LENGTH | VOLTAGE | DRIVER ¹⁴ |
|--|--|--|---|--|--|---|
| 80 - 80 CRI 90 ⁷ - 90 CRI ⁷ Not available with BIOS. | 500 - Low output 500 lm/ft 750 ⁸ - Medium output 750 lm/ft 1000 ⁸ - High output 1000 lm/ft ⁸ Not available with BIOS. | 500 - Low output 500 lm/ft 750 ⁹ - Medium output 750 lm/ft 1000 ⁹ - High output 1000 lm/ft NA - Not applicable ⁹ Not available with BIOS. | 27 ¹⁰ - 2700K 30 - 3000K 35 - 3500K 40 - 4000K 50 ¹⁰ - 5000K ¹⁰ Not available with BIOS. | #FT#IN ^{11,12} - Specify nominal length (#) in 1' and/or 1" increments Standard nominal lengths: Single units: 2' - 12' Continuous runs: lengths over 12' ¹¹ Minimum 3' for Direct/Indirect models. ¹² With BIOSDY, specify in 2' increments only. | 120 - 120V 277 - 277V UNV - 120V-277V 347 ¹³ - 347V ¹³ Available with DI only. | DI - 1% 0-10V DA ¹⁵ - DALI LTEA2W ¹⁶ - Lutron 1% - 2 wire FP 120V LDE1 ¹⁵ - Lutron HI-lume 1% Eco ELD1 - eldoLED 1% ECOdrive 0-10V ELDO - eldoLED 0.1% SOLOdrive 0-10V LTD10 ¹⁷ - Low-temperature 10% 0-10V ¹⁴ PoE (Power-over-Ethernet) compatible. Consult factory for details. ¹⁵ On-site commissioning is required. ¹⁶ Available with 120V only. ¹⁷ Suitable for temperatures down to -40°C/F. |

| ELECTRICAL | ELECTRICAL SECTIONS (optional) ^{23,24} | POWER FEED | MOUNTING ³⁰ | FINISH | OPTIONS |
|---|---|----------------------|--|--|--|
| 1C - 1 circuit 2C ¹⁸ - 2 circuits #MC ¹⁹ - Multi circuit EC - Emergency-powered fixture NL - Night light fixture DL - Daylight fixture GTD ^{20,21,22} - Generator transfer device fixture ¹⁸ Available for Direct/Indirect only. Separate direct and indirect circuits. ¹⁹ Specify total number of circuits (#), including any circuits required for electrical section options. Provide drawing or layout specifications. Minimum 4' section per circuit. ²⁰ Minimum 4' fixture. ²¹ Not available with 347V. ²² Not available for environments where the ambient temperature falls below 0°C (32°F). | #EC## ²⁵ - Emergency-powered section #NL## ²⁵ - Night light section #DL## ²⁵ - Daylight section #GTD## ^{25,26,27,28} - Generator transfer device section #EMB ^{27,28,29} - Emergency battery NA - None ²³ Specify with multi circuit (#MC) electrical option only. ²⁴ Provide drawing or layout specifications. Consult factory for other configurations. Default section length is 4'. ²⁵ Specify quantity (#), and section length in inches (##). ²⁶ Minimum 4' section. ²⁷ Not available with 347V. ²⁸ Not available for environments where the ambient temperature falls below 0°C (32°F). ²⁹ Specify quantity (#). All batteries will be on the same circuit. Each battery powers a 4' section. For Direct/Indirect, minimum 8' fixture. | TF - Top feed | STS - Stem, standard STC () - Stem, custom ³⁰ See page 2 for ordering details. | W - Matte white AL - Aluminum WA - White antimicrobial Silverwerx CF# - Custom finish, specify RAL# | NATA - Natatorium finish CRF - Corrosion-resistant finish NA - None |

3737 Cote Vertu St-Laurent, Quebec, Canada H4R 2C9
T (514) 225-4304 F (514) 931-4862
www.Lumenwerx.com



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VIA4SEAL-PENDANT-SPEC-REV3 September 2, 2022



VIA 4 SEAL

LUMENWERX

PENDANT
DIRECT, DIRECT/INDIRECT
STATIC WHITE, BIOS ST/DY

VIA WEATHER SERIES

Pendant Mounting Code

Standard

For a standard mounting, please refer to the information below.

MOUNTING

STS - Stem, standard

Ø5" for power canopy
Ø5" for non-power
Canopies are white
Stem finish is the same color as fixture
Stem length is 18"
Stem is not field adjustable

Custom

Stem

For a custom mounting, specify the options in the parentheses.

Example: STC(5NPC-36-W-STW-SLS)

MOUNTING

STC()

| | NON-POWER CANOPY SIZE | STEM LENGTH | CANOPY FINISH | STEM COLOR | OPTIONS |
|-----|-----------------------------|--|--|--|--|
| STC | 5NPC - Ø5" non-power canopy | 18 - 18" 36 - 36" # ¹ - Specify length in inches ¹ Minimum length is 6". Maximum length is 72". Stem is not field adjustable. | W - White AL - Aluminum B - Black CF# - Custom finish, specify RAL# | STW - White STAL - Aluminum STB - Black STCF# - Custom finish, specify RAL# | SLS - Sloped ceiling for stem NA - None |

VIA 4 SEAL

LUMENWERX

PENDANT

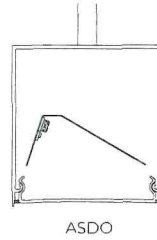
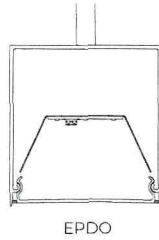
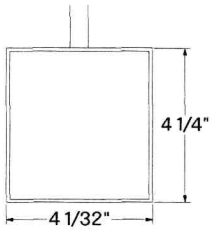
DIRECT, DIRECT/INDIRECT

STATIC WHITE, BIOS ST/DY

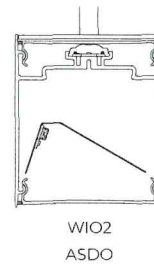
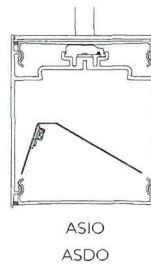
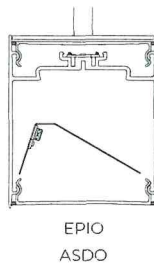
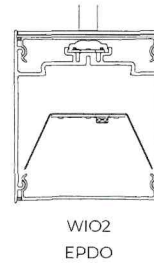
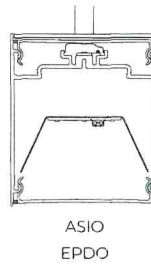
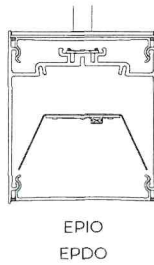
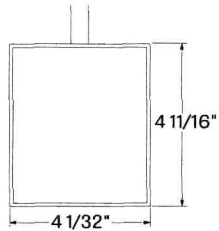
VIA WEATHER SERIES

Section Views

DIRECT



DIRECT/INDIRECT



VIA 4 SEAL

LUMENWERX

PENDANT

DIRECT, DIRECT/INDIRECT

STATIC WHITE, BIOS ST/DY



VIA WEATHER SERIES

Environment Options

The Via Weather Series offers four levels of protective sealing: Level 1, Level 2, Level 3, and Level 4.

Via 4 Seal is available with two environment options: Wet Suitable (WET) at Level 1, and Wet Listed (WETL) at Level 2

For other levels of protective sealing, please see Via Wet spec sheets for Level 3, and Via Splash spec sheets for Level 4

| FEATURES |  Wet Suitable (IP44) (WET) |  Wet Listed (IP54) (WETL) |
|---|--|--|
| Direct distribution | • | • |
| Direct/Indirect distribution | • | X |
| Indoor application that requires wipe down | • | • |
| Healthcare application | • | • |
| Outdoor application with restrictions: under canopy only | • | • |
| Outdoor application with restrictions: under canopy, slightly exposed | X | • |
| Continuous line of light over 12 ft | • | X |
| Water and dust resistant | • | • |
| Water and dust protected | X | • |
| Not suitable for extreme weather applications | • | • |
| Damp listed | • | X |
| Wet listed | X | • |

VIA 4 SEAL

LUMENWERX

PENDANT

DIRECT, DIRECT/INDIRECT

STATIC WHITE, BIOS ST/DY

VIA WEATHER SERIES

Photometrics

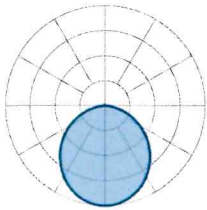
MULTIPLIER TABLE

Please follow the multiplier table to ensure correct lumen value. CCT and CRI, will change the lumen output.

Multiplier - CCT/CRI

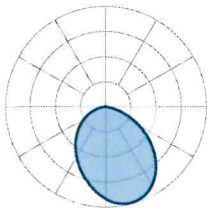
| CCT (K) | WATTS | | LPW | |
|---------|--------|--------|--------|--------|
| | CRI 80 | CRI 90 | CRI 80 | CRI 90 |
| 2700 | 1.06 | 1.27 | 0.94 | 0.79 |
| 3000 | 1.02 | 1.23 | 0.98 | 0.81 |
| 3500 | 1.00 | 1.19 | 1.00 | 0.84 |
| 4000 | 1.00 | 1.18 | 1.00 | 0.85 |
| 5000 | 0.95 | 1.12 | 1.05 | 0.89 |

DIRECT



EPDO - Delivered Lumens at 40K at 80 CRI

| LUMENS PER FOOT | TOTAL LUMENS PER 4FT | INPUT WATTS | LPW |
|-----------------|----------------------|-------------|-----|
| 500 | 2000 | 19.8 | 101 |
| 750 | 3000 | 30.7 | 98 |
| 1000 | 4000 | 42.3 | 95 |



ASDO - Delivered Lumens at 40K at 80 CRI

| LUMENS PER FOOT | TOTAL LUMENS PER 4FT | INPUT WATTS | LPW |
|-----------------|----------------------|-------------|-----|
| 500 | 2000 | 17.7 | 113 |
| 750 | 3000 | 27.9 | 107 |
| 1000 | 4000 | 39 | 103 |

VIA 4 SEAL

LUMENWERX

PENDANT

DIRECT, DIRECT/INDIRECT

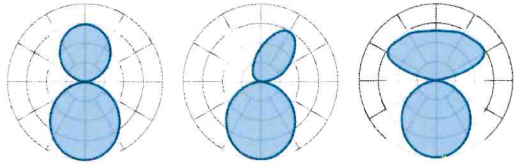
STATIC WHITE, BIOS ST/DY

VIA WEATHER SERIES

Photometrics

DIRECT/INDIRECT - WITH EPDO

Delivered lumens at 40K at 80 CRI for all optics.



EPDO - EPIO EPDO - ASIO EPDO - WIO2

| LM/FT | | NOMINAL LM/4FT | | TOTAL LM/4FT | INPUT WATTS | LPW |
|-------|---|----------------|---|--------------|-------------|-----|
| D | I | D | I | | | |

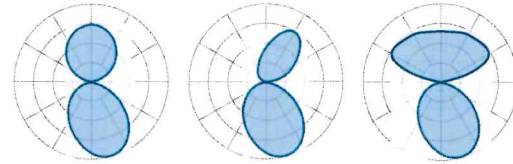
| EPDO | EPIO | | | | | |
|------|------|------|------|------|------|----|
| 500 | 500 | 2000 | 2000 | 4000 | 40.4 | 99 |
| | 750 | | 3000 | 5000 | 52.4 | 95 |
| | 1000 | | 4000 | 6000 | 65.5 | 92 |
| 750 | 500 | 3000 | 2000 | 5000 | 51.3 | 97 |
| | 750 | | 3000 | 6000 | 63.3 | 95 |
| | 1000 | | 4000 | 7000 | 76.4 | 92 |
| 1000 | 500 | 4000 | 2000 | 6000 | 62.9 | 95 |
| | 750 | | 3000 | 7000 | 74.9 | 93 |
| | 1000 | | 4000 | 8000 | 88.0 | 91 |

| EPDO | ASIO | | | | | |
|------|------|------|------|------|------|-----|
| 500 | 500 | 2000 | 2000 | 4000 | 36.7 | 109 |
| | 750 | | 3000 | 5000 | 46.3 | 108 |
| | 1000 | | 4000 | 6000 | 56.6 | 106 |
| 750 | 500 | 3000 | 2000 | 5000 | 47.6 | 105 |
| | 750 | | 3000 | 6000 | 57.2 | 105 |
| | 1000 | | 4000 | 7000 | 67.5 | 104 |
| 1000 | 500 | 4000 | 2000 | 6000 | 59.2 | 101 |
| | 750 | | 3000 | 7000 | 68.8 | 102 |
| | 1000 | | 4000 | 8000 | 79.1 | 101 |

| EPDO | WIO2 | | | | | |
|------|------|------|------|------|------|-----|
| 500 | 500 | 2000 | 2000 | 4000 | 36.4 | 110 |
| | 750 | | 3000 | 5000 | 45.9 | 109 |
| | 1000 | | 4000 | 6000 | 55.9 | 107 |
| 750 | 500 | 3000 | 2000 | 5000 | 47.3 | 106 |
| | 750 | | 3000 | 6000 | 56.8 | 106 |
| | 1000 | | 4000 | 7000 | 66.8 | 105 |
| 1000 | 500 | 4000 | 2000 | 6000 | 58.9 | 102 |
| | 750 | | 3000 | 7000 | 68.4 | 102 |
| | 1000 | | 4000 | 8000 | 78.4 | 102 |

DIRECT/INDIRECT - WITH ASDO

Delivered lumens at 40K at 80 CRI for all optics.



ASDO - EPIO ASDO - ASIO ASDO - WIO2

| LM/FT | | NOMINAL LM/4FT | | TOTAL LM/4FT | INPUT WATTS | LPW |
|-------|---|----------------|---|--------------|-------------|-----|
| D | I | D | I | | | |

| ASDO | EPIO | | | | | |
|------|------|------|------|------|------|-----|
| 500 | 500 | 2000 | 2000 | 4000 | 38.3 | 104 |
| | 750 | | 3000 | 5000 | 50.3 | 99 |
| | 1000 | | 4000 | 6000 | 63.4 | 95 |
| 750 | 500 | 3000 | 2000 | 5000 | 48.5 | 103 |
| | 750 | | 3000 | 6000 | 60.5 | 99 |
| | 1000 | | 4000 | 7000 | 73.6 | 95 |
| 1000 | 500 | 4000 | 2000 | 6000 | 59.6 | 101 |
| | 750 | | 3000 | 7000 | 71.6 | 98 |
| | 1000 | | 4000 | 8000 | 84.7 | 94 |

| ASDO | ASIO | | | | | |
|------|------|------|------|------|------|-----|
| 500 | 500 | 2000 | 2000 | 4000 | 34.6 | 116 |
| | 750 | | 3000 | 5000 | 44.2 | 113 |
| | 1000 | | 4000 | 6000 | 54.5 | 110 |
| 750 | 500 | 3000 | 2000 | 5000 | 44.8 | 112 |
| | 750 | | 3000 | 6000 | 54.4 | 110 |
| | 1000 | | 4000 | 7000 | 64.7 | 108 |
| 1000 | 500 | 4000 | 2000 | 6000 | 55.9 | 107 |
| | 750 | | 3000 | 7000 | 65.5 | 107 |
| | 1000 | | 4000 | 8000 | 75.8 | 106 |

| ASDO | WIO2 | | | | | |
|------|------|------|------|------|------|-----|
| 500 | 500 | 2000 | 2000 | 4000 | 34.3 | 117 |
| | 750 | | 3000 | 5000 | 43.8 | 114 |
| | 1000 | | 4000 | 6000 | 53.8 | 111 |
| 750 | 500 | 3000 | 2000 | 5000 | 44.5 | 112 |
| | 750 | | 3000 | 6000 | 54.0 | 111 |
| | 1000 | | 4000 | 7000 | 64.0 | 109 |
| 1000 | 500 | 4000 | 2000 | 6000 | 55.6 | 108 |
| | 750 | | 3000 | 7000 | 65.1 | 108 |
| | 1000 | | 4000 | 8000 | 75.1 | 106 |

VIA 4 SEAL

LUMENWERX

PENDANT

DIRECT, DIRECT/INDIRECT

STATIC WHITE, BIOS ST/DY

VIA WEATHER SERIES

Technical Specifications

DIRECT OPTICS

Environmentally Protected Direct Optic (EPDO)

The Environmentally Protected Direct Optic creates a seal that blocks debris and moisture, and withstands UV distortion and moderate impact. This extruded snap-in lens has a gasket to ensure proper sealing. The lens is 1/16" thick and made of frosted polycarbonate. Internally, white, side kicking reflectors guide the light through the lens. The EPDO suits moderate climate environments.

Asymmetric Soft Direct Optic (ASDO)

The Asymmetric Soft Direct Optic creates a seal that blocks debris and moisture, and withstands UV distortion and moderate impact. This extruded snap-in lens has a gasket to ensure proper sealing. The lens is 1/16" thick and made of frosted polycarbonate. Internally, white, side kicking reflectors specifically angled to guide the light through the lens to create a nice asymmetric distribution. The ASDO suits moderate climate environments.

INDIRECT OPTICS

Environmentally Protected Indirect Optic (EPIO)

The Environmentally Protected Indirect Optic creates a seal that blocks debris and moisture, and withstands UV distortion and moderate impact. The lens is 1/16" thick and made of frosted polycarbonate. This extruded snap-in lens has a gasket to ensure proper sealing. The EPIO suits moderate climate environments.

Asymmetric Soft Indirect Optic (ASIO)

The Asymmetric Soft Indirect Optic creates a seal that blocks debris and moisture, and withstands UV distortion and moderate impact. The lens is 1/16" thick and made of clear polycarbonate. This extruded snap-in lens has a gasket to ensure proper sealing. The total internal reflection and surface scattering optic is specifically angled to guide the light through the lens to create a nice asymmetric distribution. The ASIO suits moderate climate environments.

Widespread Indirect Optic (WIO2)

The Widespread Indirect Optic creates a seal that blocks debris and moisture, and withstands UV distortion and moderate impact. The lens is 1/16" thick and made of clear polycarbonate. This extruded snap-in lens has a gasket to ensure proper sealing. The total internal reflection and surface scattering optic offers an impressive 160° spread. WIO2 creates an even illumination for smooth brightness on the ceiling that can achieve uniformity ratios of up to 2:1. The WIO2 suits moderate climate environments.

Uniformity [max/min]

Based on 18' continuous runs, in a 20' x 40' room, 10' wall height

| Mounting height from ceiling | Spacing (Center to center) | | |
|------------------------------|----------------------------|-----|-----|
| | 8' | 10' | 12' |
| 24" | 3.0 | 5.5 | 8.0 |
| 36" | 2.0 | 3.0 | 4.5 |
| 48" | 2.0 | 2.0 | 3.5 |

VIA 4 SEAL

LUMENWERX

PENDANT

DIRECT, DIRECT/INDIRECT

STATIC WHITE, BIOS ST/DY

VIA WEATHER SERIES

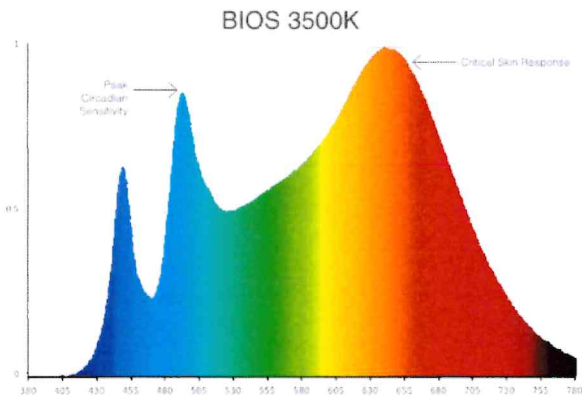
LIGHT SOURCE

Custom linear array of mid-flux LEDs are cartridge-mounted with quick-connect wiring to facilitate service and thermal management. Available in 2700K, 3000K, 3500K, 4000K and 5000K with a minimum 80 CRI and an option for 90 CRI with elevated R9 value. Color consistency maintained to within 3 SDCM. LEDs operated at reduced drive current to optimize efficacy and lumen maintenance.

All LEDs have been tested in accordance with IESNA LM-80-08 and the results have shown L80 lumen maintenance greater than 60,000 hours. Absolute product photometry is measured and presented in accordance with IESNA LM-79, unless otherwise indicated.



BIOS SkyBlue™ Technology is designed to provide the specific circadian stimulus to improve overall sleep quality, recovery during the night, and overall feelings of well-being. The non-visual light signals that stimulate our circadian system have peak intensity in the "sky blue" region. As the diagram below illustrates, BIOS SkyBlue technology shifts the peak LED spectral intensity (490 nm) to align better with the peak response of circadian stimulus. Also note the enhanced deep-red (near 660 nm) spectrum.



WELL for Light - The WELL building standard focuses on light quality in several features. There are three categories that are fully attributed to the construction and features of a luminaire. In WELL V1, it's Feature 54 Circadian Lighting, Feature 55 Glare Control, and Feature 58 Color Quality. In WELL V2, it's Feature L03 Circadian Lighting, Feature L04 Glare Control, and Feature L07 Electric Light Quality.

This fixture meets Features:

- Feature 54 or L03 when BIOS LED is selected
- Feature 55 or L04 meets WELL glare category (c-d) (not applicable with 1000 lm/ft)
- Feature 58 or L07 when 90 CRI is selected

All LED drivers used at Lumenwerx are deemed to have a low risk level of flicker, of 5 % or less below 90Hz operational as defined by IEEE standard 1789-2015 LED.



WELL for Mind - This luminaire meets WELL for mind as it is a human centric luminaire offering quality light, excellent color, and smooth optics. If any of these features are incorporated in a luminaire, it can improve the ability to focus, concentrate, and persist longer on a given task. This fixture harmoniously operates in a space to assist the mind.

For more information, please contact well@lumenwerx.com

LUMINAIRE LENGTH

Via 4 Seal is available in standard lengths of 2' to 12'. Continuous runs are available for run lengths over 12'. Exact run length must be noted in the product code. The minimum length is 2' for Direct fixtures, and 3' for Direct/Indirect fixtures. Lengths can be ordered in 1' and/or 1" increments. All individual sections are joined together onsite using the joiner kits provided. Lumenwerx joiner kits are extremely simple to work with in the field and result in a fixture that appears virtually seamless with no light leak at any connection.

WEEP HOLES

The Direct/Indirect fixtures with the Wet Suitable (WET) option feature a weep hole situated in the end cap. Water and moisture that enters the fixture will be expelled through this hole.



VIA 4 SEAL

LUMENWERX

PENDANT

DIRECT, DIRECT/INDIRECT

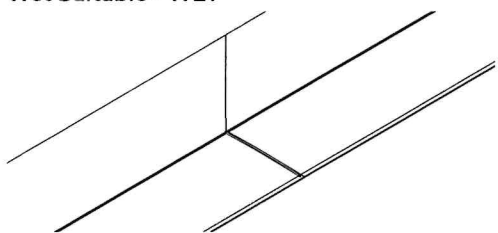
STATIC WHITE, BIOS ST/DY

VIA WEATHER SERIES

JOINING SYSTEM

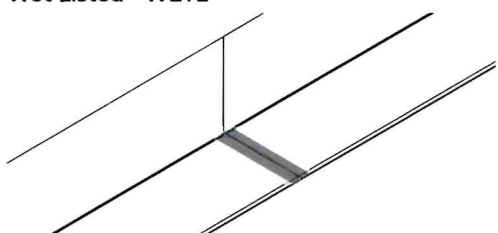
All individual sections are joined together onsite using the ¼"-20 screws and nuts provided. With the Wet Suitable (WET) option, the junction between two adjacent sections creates a continuous line of light without shadows. With the Wet Listed (WETL) option, the junction between two adjacent sections is sealed with a silicone gasket, creating a slight visible break in the line of light every 12 ft.

Wet Suitable - WET



Continuous line of light

Wet Listed - WETL



Visible break in line of light

ELECTRICAL

Factory-set, adjustable output current LED driver with universal (120-277VAC) input. Dimmable from 100% to 1% with 0-10V dimming control. Rated life (90% survivorship) of 50,000 hours at 50°C max. ambient (and 70°C max. case) temperature. At maximum driver load: Efficiency>84%, PF>0.9, THD<20%. Other specifiable options include Lutron Hi-Lume 1% (specify 2-wire, or Ecosystem Dim-to-Off), eldoLED 1% ECOdrive 0-10V, eldoLED 0.1% SOLOdrive 0-10V, and DALI protocol drivers. All of our standard 0-10V drivers are NEMA 410 compliant. An optional low-temperature 10% 0-10V driver, suitable for temperatures down to -40°C/F is also available.

PoE

Depending on the PoE manufacturer selected, Lumenwerx will install the node in factory as either integral to the luminaire or as a remote module. Factory programming of the PoE node may or may not enable the following functionalities: lumen package, Duo (tunable white), emergency battery backup, and sensor integration. These must be addressed and evaluated on a case-by-case basis.

ELECTRICAL SECTION OPTIONS

Electrical section options are available for fixtures specified as multi circuit (#MC). With MC, specify the total number of circuits (#), including any circuits required for optional electrical sections. A drawing is required to specify the layout. Please consult factory for custom configurations.

Electrical sections

Options include emergency-powered light (#EC##), night light (#NL##), daylight (#DL##), and generator transfer device (#GTD##) sections. Specify the quantity (#), as well as the section length in inches (##).

Example 1: A 32' Direct fixture with two 8' emergency light sections on a second circuit.

Code: 2MC-2EC96

Example 2: A 16' Direct/Indirect fixture with separate circuits for direct and indirect, and with one 4' night light section on the direct side on a third circuit.

Code: 3MC-1NL48

Example 3: A 24' Direct fixture with one 4' generator transfer device section.

Code: 1MC-1GTD48

Battery

Each emergency battery (#EMB) powers a 4' section. All batteries will be on the same circuit. Specify the number of batteries (#) required.

Factory installed long life, high temperature, maintenance-free Lithium-Ion battery pack with self-test functionality, test switch and charge indicator. Minimum of 90 minutes operation, up to 1000 lumens per 4' (25°C) emergency lighting output and recharge time of 24 hours. Suited for ambient temperatures of 0°C (32°F) to 55°C (131°F).

Generator Transfer Device (GTD)

A UL924 listed shunt relay that can bypass both line voltage (120-277V) and 0-10V dimming signal. Suited for ambient temperatures of 0°C (32°F) to 60°C (140°F).

LUMINAIRE MAINTENANCE

LED arrays and drivers are accessible through the optical chamber and easily replaced.

VIA 4 SEAL

LUMENWERX

PENDANT

DIRECT, DIRECT/INDIRECT

STATIC WHITE, BIOS ST/DY

VIA WEATHER SERIES

MOUNTING OPTIONS

Fixtures can be stem-mounted. Unless otherwise specified, Lumenwerx provides the following hardware:

Standard stem option (STS) - Canopies are white, Ø5" for both power and non-power. Stem finish is the same color as fixture. Stem length is 18". Stem is not field adjustable.

For all other options, see the mounting code on page 2.

FINISH

Interior - 95%, reflective matte powder coated white paint

Exterior - Powder-coat paint in matte white or aluminum.

Custom finishes are also available. Optional antimicrobial finish.

CONSTRUCTION

Housing - Extruded aluminum (0.095" nominal) up to 90% recycled content

Interior brackets - Die-formed cold rolled sheet steel 18 gauge thick

Joining system (WETL) - 16 gauge steel joiners and closed-cell silicone foam joiner gasket

Reflectors - Cold rolled steel 0.024" thick precisely die-formed, 95% reflective matte white painted

End cap - Die-cast aluminum (0.100" nominal)

End cap gasket - 1/16" closed-cell silicone foam

WEIGHT

| Direct | Direct/Indirect |
|---------------------------|--------------------------|
| 4ft - 15.0 lbs - 6.8 kg | 4ft - 17.2 lbs - 7.8 kg |
| 8ft - 27.6 lbs - 12.5 kg | 8ft - 32.8 lbs - 14.9 kg |
| 12ft - 40.1 lbs - 18.2 kg | 12ft - 48.5 lbs - 22 kg |

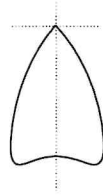
CERTIFICATIONS

ETL - WET environment option is rated for dry/damp locations. WETL environment option is ETL Wet Listed. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0. During the installation of WETL fixtures, the contractor is responsible for properly sealing all mounting and electrical connection points.

IK05 - Impact resistance rated to IK05.

WARRANTY

Lumenwerx provides a five-year limited warranty on electrical and mechanical performance of the luminaires, including the LED boards, drivers, and auxiliary electronics. Lumenwerx will repair or replace defective luminaires or components at our discretion, provided they have been installed and operated in accordance with our specifications. Other limitations apply, please refer to the full warranty on our website.



OVERVIEW

General Illumination Square Downlight

6"

Feature Set

- Bounding Ray™ optical design
- Utilized optics mechanically attach the light engine to the lower reflector for complete optical alignment.
- 45° cutoff to source and source image
- Fully serviceable and upgradeable lensed LED light engine
- 70% lumen maintenance at 60,000 hours
- 2.5 MacAdam Ellipse; 85 CRI typical, 90+ CRI optional
- Fixtures are wet location, covered ceiling
- Available with 10% dimming, 1% dimming, or dim to dark
- Batwing distribution with feathered edges provides even illumination on horizontal and vertical surfaces
- ENERGY STAR® certified product
- UGR of zero for fixtures aimed at nadir with a cut-off equal to or less than 60deg per CIE 117-1995 Discomfort Glare in Interior Lighting. [UGR FAQ](#)

Distribution



Superior Performance

| Nominal Lumens | 250 | 500 | 750 | 1000 | 1500 | 2000 | 2500 | 3000 | 3500 | 4000 | 4500 | 5000 | 6000 | 8000 | 10,000 | 12,000 | 15,000 | 17,500 |
|------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| Delivered Lumens | 318 | 557 | 832 | 1067 | 1500 | 2153 | 2723 | 3302 | 3801 | 4322 | 4865 | 5588 | 6852 | 8696 | 11237 | 13093 | 16051 | 18806 |
| Wattage | 3.4 | 6.2 | 8.2 | 9.6 | 14.7 | 19.7 | 24.7 | 29.5 | 33.8 | 39.0 | 47.3 | 48.6 | 57.6 | 74.7 | 96.9 | 115.1 | 144.3 | 175.3 |
| Lumens per Watt | 93.5 | 89.8 | 101.5 | 111.1 | 102.0 | 109.3 | 110.2 | 111.9 | 112.5 | 110.8 | 102.9 | 115.0 | 119.0 | 116.4 | 116.0 | 113.8 | 111.2 | 107.3 |

*Lumen Output for 80CRI - 3500K CCT - Clear LSS Reflector
*Based on 3500K AR LSS MWD 80CRI

Coordinated Apertures | Multiple Layers of Light

COMPLEMENTARY PRODUCTS




















 General Illumination Layer | EVO



 High Center Beam Layer | Incito



EVO + Incito — Multiple Layers of Light

| | | | | | | | | |
|-----------------------------|---|--|---|---|--|--|---|--|
| Core |  Downlight |  Adjustable |  Open Wallwash |  Lensed Wallwash |  Cylinder |  Pinhole |  Bevel |  Hyperbolic |
| Healthcare |  MRI |  Surgical Suite |  Patient Room | | | | | |
| Special Applications |  Dynamic |  Food Service |  Vandal/Tamper |  Clean Room |  Shower |  Steam Room | | |

ORDERING INFORMATION

A+ Capable options indicated by this color background.

Luminaire Type:

Catalog Number:

EXAMPLE: EV06SQ 35/150 AR LSS MVOLT EZ1

| Series | Color Temperature | Nominal Lumen Values | Reflector & Flange Color | Trim Style | |
|--------|-------------------|----------------------|--|----------------------|--|
| EV06SQ | 27/ 2700 K | 02 250 lumens | AR Clear | (blank) Self-flanged | |
| | 30/ 3000 K | 05 500 lumens | PR Pewter | FL Flangeless | |
| | 35/ 3500 K | 07 750 lumens | WTR Wheat | | |
| | 40/ 4000 K | 10 1000 lumens | GR Gold | | |
| | 50/ 5000 K | 15 1500 lumens | WR ¹ White | | |
| | | 20 2000 lumens | BR ¹ Black | | |
| | | 25 2500 lumens | WRAMF ¹ White Anti-microbial | | |
| | | 30 3000 lumens | TRALTD ^{1,2} RAL paint for pricing only | | |
| | | 35 3500 lumens | TCPC Custom paint color | | |
| | | | 40 4000 lumens | | |
| | | | 45 4500 lumens | | |
| | | 50 5000 lumens | | | |
| | | 60 6000 lumens | | | |
| | | 80 8000 lumens | | | |
| | | 100 10000 lumens | | | |
| | | 120 12000 lumens | | | |
| | | 150 15000 lumens | | | |
| | | 175 17500 lumens | | | |

| Finish | Voltage | Driver ⁴ | Control Interface |
|-------------------|--------------------|---|---|
| LSS Semi-specular | MVOLT | GZ10 0-10V driver dims to 10% | NLT ⁵ nLight® dimming pack controls |
| LD Matte-diffuse | 120 | GZ1 0-10V driver dims to 1% | NLTER ^{2,5,9} nLight® dimming pack controls emergency circuit |
| | 277 | EZ1 eldoLED 0-10V ECOdrive. Linear dimming to 1% min. | NLTAIR2 ^{13,14} nLight® AIR enabled |
| | 347 ^{2,3} | EZB eldoLED 0-10V SOLOdrive. Logarithmic dimming to <1%. | NLTAIRER2 ^{9,13} nLight® AIR enabled emergency |
| | | EDAB ⁵ eldoLED SOLOdrive DALI. Logarithmic dimming to <1%. | NLTAIREM2 ¹³ nLight® AIR Dimming Pack Wireless Controls. Controls fixtures on emergency circuit with battery pack options. |
| | | EDXB ⁵ eldoLED POWERdrive DMX with RDM (remote device management). Square Law dimming to <1%. Includes termination resistor. Refer to DMXR. Manual Minimum 1000 lumens/Maximum 15000 lumens. | |
| | | ECOD ⁵ Lutron Ecosystem digital Hi-Lume 1% soft-on, fade to black. Max: 4000LM. | |

| Emergency Option | Options |
|--|---|
| EL Emergency battery pack, 10W, with integral test switch | SF Single fuse. Specify 120V or 277V. |
| ELR Emergency battery pack, 10W, with remote test switch | TRW ⁷ White painted flange |
| ELSD Emergency battery pack, 10W, with self-diagnostics, integral test switch | TRBL ⁸ Black painted flange |
| ELRSD Emergency battery pack, 10W, with self-diagnostics, remote test switch | FRALTD ² Flange ring only RAL color for pricing only |
| E10WCP Emergency battery pack, 10W Constant Power, CA Title 20 compliant with integral test switch | FCPC Flange custom paint color |
| E10WCPR Emergency battery pack, 10W Constant Power, CA Title 20 compliant with remote test switch | N80 ¹⁰ nLight® Lumen Compensation |
| BGTD Bodine generator transfer device. Specify 120V or 277V. | GTD generator transfer device. Specify 120V or 277V |
| | 90CRI High CRI (90+) |
| | CP ¹¹ Chicago Plenum. Specify 120V or 277V for 5000lm and above. |
| | HAO ¹² HAO High ambient option (40°C) |
| | RRL_ RELOC®-ready luminaire connectors enable a simple and consistent factory installed option across all ABL luminaire brands. Available only with RRLA, RRLB, RRLAE, and RRLC12S. Refer to RRL spec sheet on www.acuitybrands.com for RELOC® product specifications. Above ceiling access required. |

ACCESSORIES — order as separate catalog numbers (shipped separately)

ISD BC 0-10V wallbox dimmer. Refer to ISD-BC.

ORDERING NOTES

- Not available with finishes.
- Replace with applicable RAL number and finish when ready to order. See [RAL BROCHURE](#) for available color options. Not available with emergency battery pack options.
- Not available with emergency Battery Pack options.
- Supplied with factory installed step down transformer.
- Refer to [TECH-240](#) for compatible dimmers.
- Not available with nLight®.
- Specify voltage.
- For use with different reflector finish only (i.e. AR, PR, WTR, GR options). Not applicable with WR (white reflector) or FL (flangeless) option.
- For use with different reflector finish only (i.e. AR, PR, WTR, GR options). Not applicable with BR (black reflector) or FL (flangeless) option.
- ER for use with generator supply power. Will require an emergency hot feed and normal hot feed.
- Fixture begins at 80% light level. Must be specified with NLT or NLTER. Only available with EZ10 and EZ1 drivers.
- 12,000LM max with EL or nLight® options. 5,000LM max with Lutron drivers combined with EL. Not available with ELR, HAO, or EXAB, or any nLight® AIR dimming options.
- Only available 5000LM - 15,000LM with eldoLED drivers.
- Not available DALI or DMX drivers. Not available with CP or N80 options. Not recommended for metal ceiling installations.
- When combined with the EZ1, EZ10, or EZB option, normal luminaires (non-emergency) can be used as a normal power sensing device for nearby nLight AIR devices and luminaires with EM emergency options.

Optical Assembly

Optical design is a Bounding Ray™ design with 45° cutoff to source and source image. Top-down flash characteristic for superior glare control. Unitized optics shall have mechanical attachment of the light engine to the lower reflector for complete optical alignment.

Electrical

The luminaire shall operate from a 50 or 60 Hz ±3 Hz AC line over a voltage ranging from 120 VAC to 277 VAC. The fluctuations of line voltage shall have no visible effect on the luminous output.

The luminaire shall have a power factor of 90% or greater at all standard operating voltages and full luminaire output.

Sound Rated A+. Driver shall be >80% efficient at full load across all input voltages.

Input wires shall be 18AWG, 300V minimum, solid copper.

Controls

Luminaire shall be equipped with interface for nLight wired or wireless network with integral power supply as per specification.

Dimming

The luminaire shall be capable of continuous dimming without perceivable stroboscopic flicker as measured by flicker index (ANSI/IES RP-16-10) over a range of 100 – 10%, 100 – 1.0% or 100 – 0.1% of rated lumen output with a smooth shut off function to step to 0%.

LED drivers shall conform to IEEE P1789 standards. Alternatively, manufacturers must demonstrate conformance with product literature and testing which demonstrates this performance. Systems that do not meet IEEE P1789 will not be considered.

Driver is inaudible in 24dB environment, and stable when input voltage conditions fluctuate over what is typically experienced in a commercial environment.

Construction

Fully serviceable and upgradeable lensed LED light engine, both the driver and light engine are suitable for field maintenance and are serviceable from above or below the ceiling.

Luminaire housing shall be constructed of 16-gauge galvanized steel and have preinstalled telescopic mounting bars with maximum 32" and minimum 15" extension and 4" vertical adjustment.

High-impact polymer trim shall be constructed with a durable, vapor deposition finish.

Patented adjustable aperture allows ¼" adjustments in all directions and up to 5° of rotation for post-installation adjustment to ensure trim-to-trim alignment.

Injection molded mud ring included with flangeless trims. Ships separately. Installs independently of the mounting frame to reduce cracks in plaster due to vibration.

Luminaires shall be suitable for installation in ceilings up to 1½" thick.

Tool-less adjustments shall be possible after installation.

The assembly and manufacturing process for the luminaire shall be designed to assure all internal components are adequately supported to withstand mechanical shock and vibration.

25°C ambient temperature standard (1/2" clearance on all sides from non-combustible materials in non-IC applications, unless marked spacing noted otherwise). For use in insulated ceilings, a 3" clearance on all sides from insulation is required (unless marked spacing noted otherwise). 40°C high ambient optional.

Listings

Fixtures are CSA Certified to meet US and Canadian Standards. All fixtures manufactured in strict accordance with the appropriate and current requirements of the "Standards for Safety" to UL, wet location covered ceiling. Luminaire configurations are Energy Star certified through testing in EPA-recognized laboratories, with the results reviewed by an independent, accredited certification organization. Visit www.energystar.gov for specific configurations listed.

Photometrics

LEDs tested to LM-80 standards. Measured by IESNA Standard LM-79-08 in an accredited lab. Lumen output shall not decrease by more than 30% over the minimum operational life of 60,000 hours.

Color appearance from luminaire to luminaire of the same type and in all configurations, shall be consistent both initially and at 60,000 hours and operate within a tolerance of <2.5 MacAdam ellipse as defined by a point at the intersection of the CCT line and the black body locus line in CIE chromaticity space.

BUY AMERICAN ACT

This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

Warranty

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

Note:

Actual performance may differ as a result of end user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C.

A+ Capable Luminaire

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

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a shaded background*
- This luminaire is part of an A+ Certified solution for nLight® control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background*

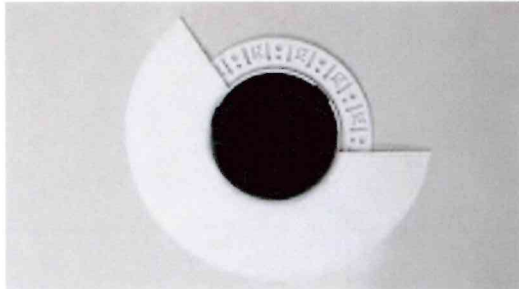
To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

Flangeless



Partially finished mud ring, showing cross-section detail.



An EVO downlight requires only approximately 3" of plaster to finish.



EVO with flangeless trim

Flangeless Installation

Gotham's flangeless option utilizes a micro-thin polymer mud ring that minimizes the amount of drywall compound required to finish the ceiling. The end result is a virtually undetectable flangeless downlight installation.

The polymer mud ring is installed independent of the of the recessed frame, therefore floating with the ceiling. This innovation minimizes any surface cracks during reflector installation, ceiling movement and any future service to the recessed frame, wiring, electronics, etc.

Tables of Use

| Marked Spacing in Inches 25°C Ambient | | | |
|---------------------------------------|----------------------------|---------------------------------------|---------------------|
| Lumen Package | Fixed Center to Center MIN | Fixture Center to Building Member MIN | Space Above Fixture |
| 500-5000 | None | None | None |
| 6000 | 36 | 18 | 5 |
| 8000 | | | 11 |
| 10000 | | | 9 |
| 12000 | | | |
| 15000 | 72 | 36 | 9 |
| 17500 | | | |

| EVO - eldoLED Driver Default Dimming Curve | | | |
|--|-------------|------------------|--------------------|
| Nomenclature | Min Dimming | Driver Dim Curve | Control Dim Curve |
| EZ10 | 10% | Linear | Linear/Logarithmic |
| EZ1 | 1% | Linear | Linear/Logarithmic |
| EZA1 | 1% | Linear | Linear/Logarithmic |
| EZB | <1% | Logarithmic | Linear |
| EDAB | <1% | Logarithmic | Linear |
| EXAB | <1% | Logarithmic | Linear |
| EDXB | <1% | Square | Linear |

| Marked Spacing in Inches 40°C Ambient | | | |
|---------------------------------------|----------------------------|---------------------------------------|---------------------|
| Lumen Package | Fixed Center to Center MIN | Fixture Center to Building Member MIN | Space Above Fixture |
| 5000 | 24 | 12 | 5 |
| 6000 | | | |
| 8000 | | | |
| 10000 | 48 | 24 | 9 |
| 12000 | | | |
| 15000 | | | |

| Marked Spacing Chicago Plenum Open Frame in Inches 25°C Ambient | | | |
|---|----------------------------|---------------------------------------|---------------------|
| Lumen Package | Fixed Center to Center MIN | Fixture Center to Building Member MIN | Space Above Fixture |
| 250-5000 | None | None | None |
| 6000 | 36 | 18 | 5 |
| 8000 | | | 11 |
| 10000 | | | 9 |
| 12000 | | | |
| 15000 | 72 | 36 | 9 |
| 17500 | | | |

| Marked Spacing Chicago Plenum Enclosure in Inches 25°C Ambient | | | |
|--|----------------------------|---------------------------------------|---------------------|
| Lumen Package | Fixed Center to Center MIN | Fixture Center to Building Member MIN | Space Above Fixture |
| 250-6000 | None | None | None |
| 8000 | 48 | 24 | 6 |
| 10000 | | | 3 |
| 12000 | | | |

| Driver | | Control Provided (note: 347V/UVOLT versions provided with 347 option selected) | | | |
|--------------|--------------------------|---|----------------|----------------|-------------------|
| Nomenclature | Description | NLT | NLTER | NLTAIR2 | NLTAIRER2 |
| GZ10 | 0-10V driver dims to 10% | nPP16 D EFP | nPP16 D ER EFP | RPP20 D 24V G2 | RPP20 D 24V ER G2 |
| GZ1 | 0-10V driver dims to 1% | nPP16 D EFP | nPP16 D ER EFP | RPP20 D 24V G2 | RPP20 D 24V ER G2 |
| EZ10 | eldoLED 0-10V ECOdrive | nPS 80 EZ | nPS 80 EZ ER | RPP20 D 24V G2 | RPP20 D 24V ER G2 |
| EZ1 | eldoLED 0-10V ECOdrive | nPS 80 EZ | nPS 80 EZ ER | RPP20 D 24V G2 | RPP20 D 24V ER G2 |
| EZB | eldoLED 0-10V SOLOdrive | nPS 80 EZ | nPS 80 EZ ER | RPP20 D 24V G2 | RPP20 D 24V ER G2 |

How to Estimate Delivered Lumens in Emergency Mode

Delivered Lumens = 1.25 x P x LPW

P = Output power of emergency driver. P = 10W for PS1055CP

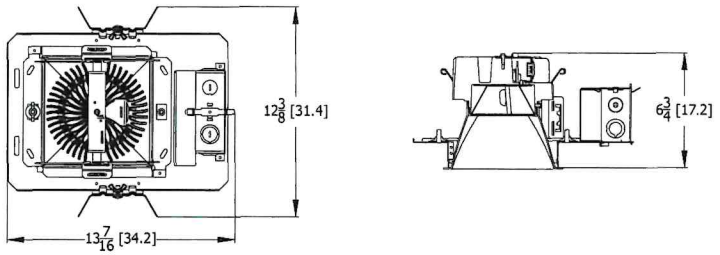
LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet.

DIMENSIONAL DATA

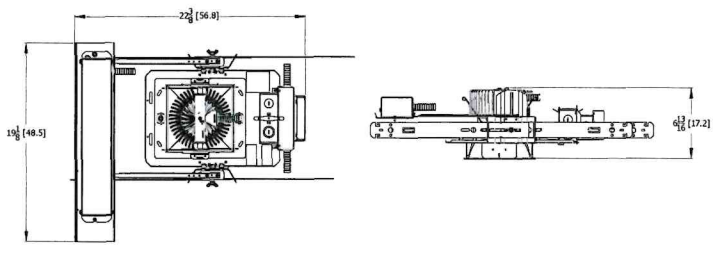
*Dimensions in inches [centimeters]

Aperture: 6" (15.2) Ceiling Opening: 6-5/8" (16.8) self-flanged
 Overlap trim: 7" (17.8) self-flanged 6-3/4" (17.1) flangeless

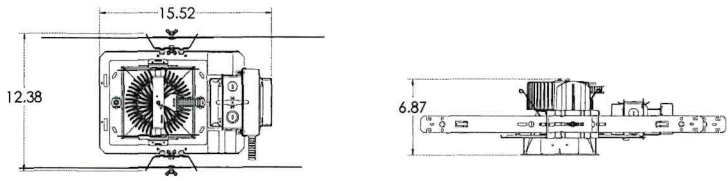
250LM-500LM Standard



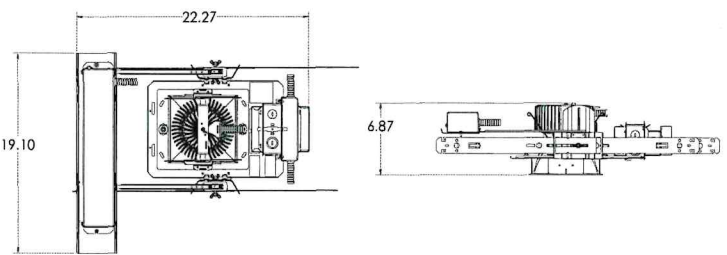
250LM-500LM Battery Pack



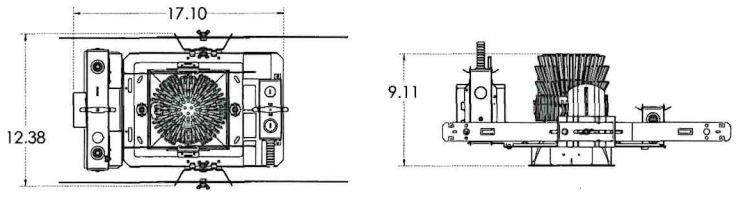
6000LM-8000LM Standard



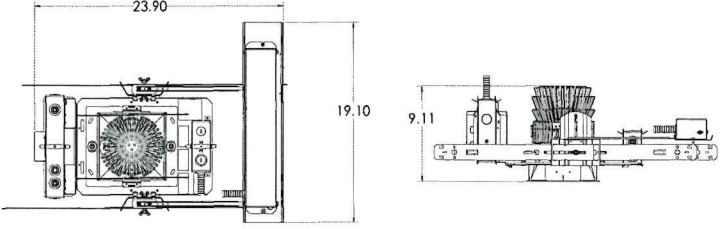
6000LM-8000LM Battery Pack



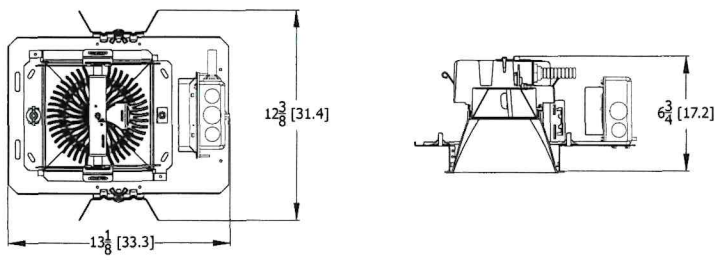
10,000LM-17,500LM Standard



10,000LM-17,500LM Battery Pack

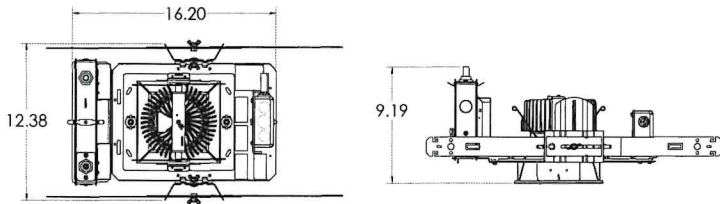


250-5000LM Open Frame CP

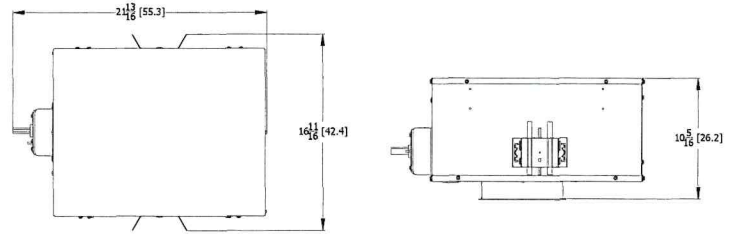


DIMENSIONAL DATA

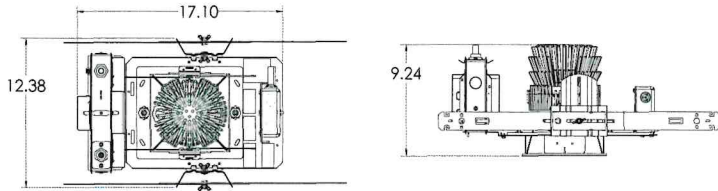
5000 (Lutron & POWER Drive Only) 6000 & 8000 (All) Square Downlight Open Frame CP



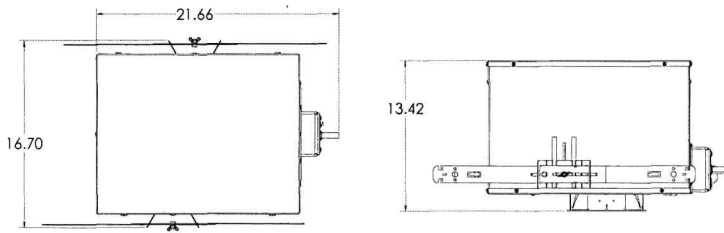
250LM-600LM CP Enclosed with Battery Pack and/or nLight™ Only



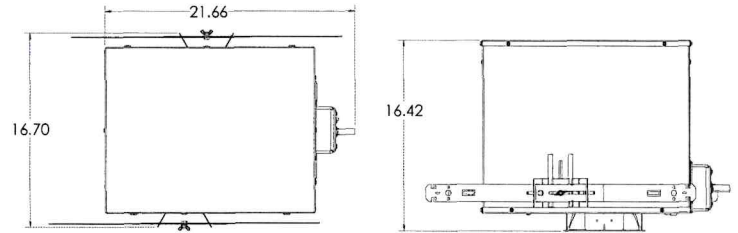
10,000-17,500 Lumen CP



8000 Lumen CP (With Battery Pack & nLight® Only)

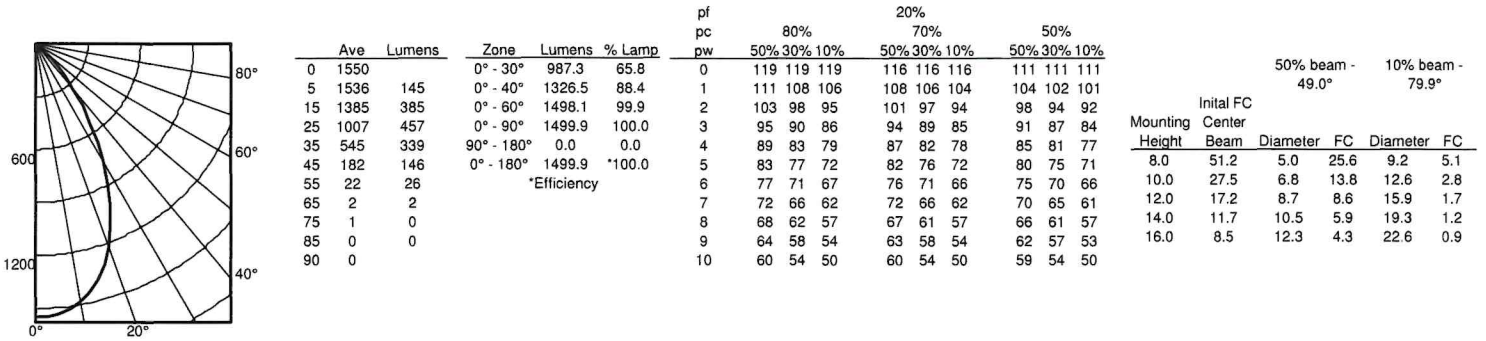


12000 & 10000 Lumen CP (With Battery Pack & nLight® Only)

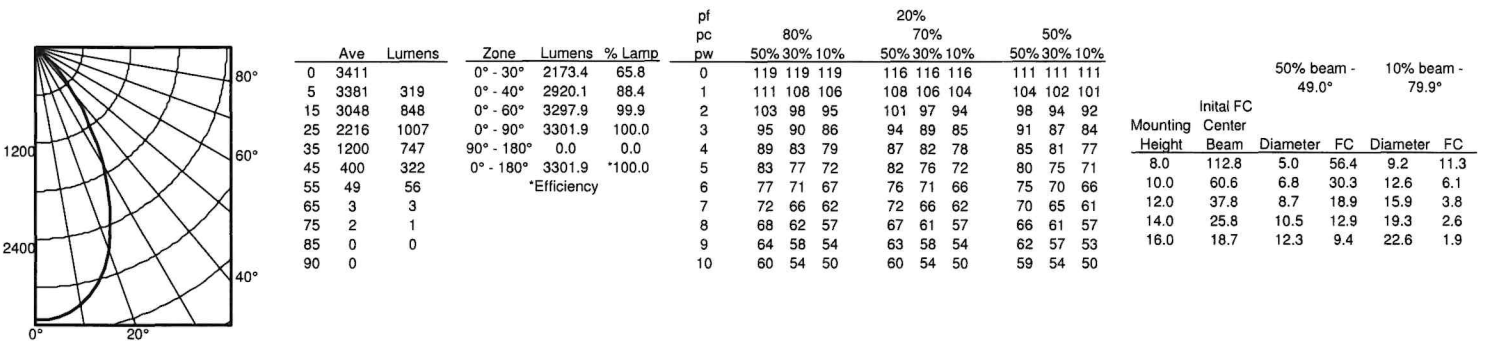


Photometry

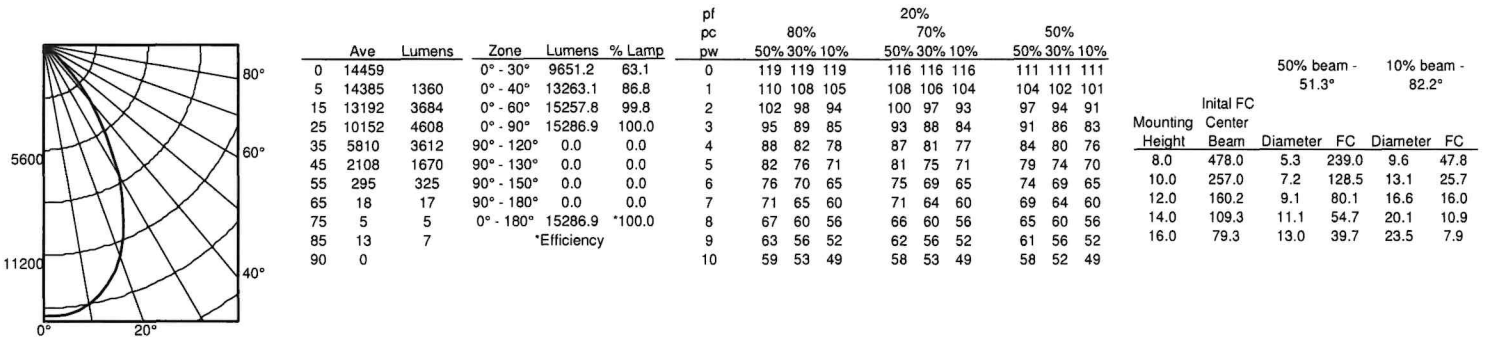
EVO6SQ 35/15 AR LSS, INPUT WATTS: 14.7W, DELIVERED LUMENS: 1500LM, LPW = 102, TEST NO. LTL27900P105



EVO6SQ 35/30 AR LSS, INPUT WATTS: 29.5W, DELIVERED LUMENS: 3302LM, LPW = 111.9, TEST NO. LTL27900P117



EVO6SQ 35/150 AR LSS, INPUT WATTS: 144.3W, DELIVERED LUMENS: 15287LM, LPW = 105.9, TEST NO. ISF 34271P264



| Lumen Output Multiplier | | |
|-------------------------|-------|------------|
| CRI | CCT | Multiplier |
| 80 | 2700K | 0.96 |
| | 300K | 1.00 |
| | 3500K | 1.00 |
| | 4000K | 1.01 |
| | 5000K | 1.07 |
| 90 | 2700K | 0.80 |
| | 300K | 0.83 |
| | 3500K | 0.85 |
| | 4000K | 0.87 |
| | 5000K | 0.91 |

| Reflector Finish Multiplier | |
|-----------------------------|------------|
| Reflector Finish | Multiplier |
| LS - Specular | 1 |
| LSS - Semi Specular | 0.956 |
| WR - White | 0.87 |
| LD - Matte Diffuse | 0.85 |
| BR - Black | 0.73 |

nLIGHT AIR

nLight® AIR is the ideal solution for retrofit or new construction spaces where adding communication wiring is cost prohibitive. The integrated nLight AIR rPP20 Power Pack is part of each EVO Luminaire ordered with the NLTAIR option. These individually addressable controls offer the ultimate in flexibility during initial setup and for space repurposing.

nLight® AIR Control Accessories
Order as separate catalog number. Visit [nLight AIR](#).

| Wall Switches | Model Number |
|----------------------------------|------------------------|
| On/Off single pole | rPODB (color) G2 |
| On/Off two pole | rPODB 2P (color) G2 |
| On/Off & raise/lower single pole | rPODB DX (color) G2 |
| On/Off & raise/lower two pole | rPODB 2P DX (color) G2 |

nLight® AIR Control Accessories (cont.)

| Occupancy Sensors (PIR/dual tech) | Model Number |
|-----------------------------------|-----------------------|
| Small motion 360°, ceiling | rCMS 9 / rCMS PDT 9 |
| Large motion 360°, ceiling | rCMS 10 / rCMS PDT 10 |

UL924 Sequence of Operation

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

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

nLight® The nLight® solution is a digital networked lighting control system that provides both energy savings and increased user configurability by cost effectively integrating time-based, daylight-based, sensor-based and manual lighting control schemes.

nLight® Wired Control Accessories
Order as separate catalog number. Visit [nLight](#).

| Wall Switches | Model Number |
|----------------------------------|---------------------|
| On/Off single pole | nPDDM (color) |
| On/Off two pole | nPDDM 2P (color) |
| On/Off & raise/lower single pole | nPOD DX (color) |
| On/Off & raise/lower two pole | nPDDM 2P DX (color) |
| Graphic touchscreen | nPOD GFX (color) |

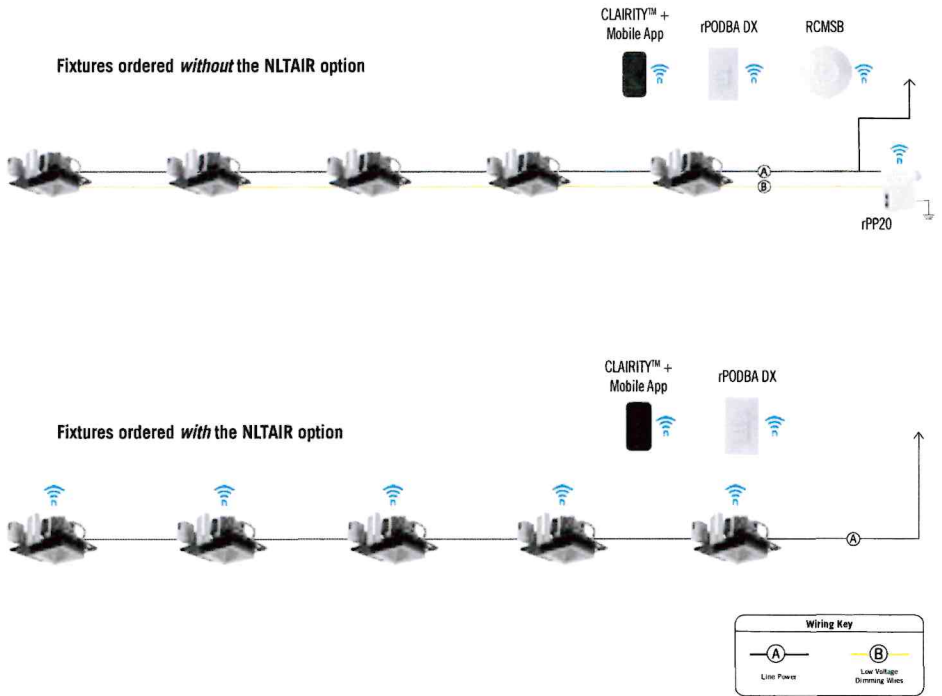
| Photocell Controls | Model Number |
|--------------------|--------------|
| Dimming | nCM ADCX |

nLight® Wired Control Accessories (cont.)

| Occupancy Sensors (PIR/dual tech) | Model Number |
|-----------------------------------|-----------------------------|
| Small motion 360°, ceiling | nCM 9 / nCM PDT 9 |
| Large motion 360°, ceiling | nCM 10 / nCM PDT 10 |
| Wide View | nWV 16 / nWV PDT 16 |
| Wall switch with raise/lower | nWSX LV DX / nWSX PDT LV DX |

| Cat-5 Cables (plenum rated) | |
|-----------------------------|--------------|
| 10', CAT5 | CAT5 10FT J1 |
| 15', CAT5 | CAT5 15FT J1 |

Possibilities for nLight® AIR



nLIGHT

Possibilities for nLight® wired

