



RSX2 LED Area Luminaire

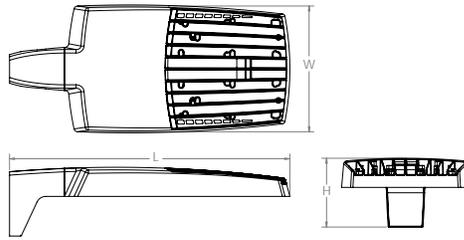


| |
|----------------|
| Catalog Number |
| Notes |
| Type |

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

Specifications

| | |
|---------------------------------|---|
| EPA (ft²@0°): | 0.69 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 DDBXD

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

| Options | Finish |
|--|---|
| <p>Shipped Installed</p> <p>HS House-side shield⁶</p> <p>PE Photocontrol, button style^{7,8}</p> <p>PEX Photocontrol external threaded, adjustable^{8,9}</p> <p>PER7 Seven-wire twist-lock receptacle only (no controls)^{8,10,11,12}</p> <p>CE34 Conduit entry 3/4" NPT (Qty 2)</p> <p>SF Single fuse (120, 277, 347)⁴</p> <p>DF Double fuse (208, 240, 480)⁴</p> <p>SPD20KV 20KV Surge pack (10KV standard)</p> <p>FAO Field adjustable output^{8,12}</p> <p>DMG 0-10V dimming extend out back of housing for external control (control ordered separate)^{8,12}</p> <p>DS Dual switching^{8,13}</p> | <p>Shipped Installed</p> <p>*Standalone and Networked Sensors/Controls (factory default settings, see table page 9)</p> <p>NLTAIR2 nLight AIR generation 2^{12,14,15}</p> <p>PIRHN Networked, Bi-Level motion/ambient sensor (for use with NLTAIR2)^{12,15,16}</p> <p>*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.</p> <p>Shipped Separately (requires some field assembly)</p> <p>EGS External glare shield⁵</p> <p>EGFV External glare full visor (360° around light aperture)⁶</p> <p>BS Bird spikes¹⁷</p> |
| | <p>DDBXD Dark Bronze</p> <p>DBLXD Black</p> <p>DNAXD Natural Aluminum</p> <p>DWHXD White</p> <p>DBTDXD Textured Dark Bronze</p> <p>DBLBXD Textured Black</p> <p>DNATXD Textured Natural Aluminum</p> <p>DWHGXD Textured White</p> |



Ordering Information

Accessories

Ordered and shipped separately.

| | |
|-----------------------|--|
| RSX2HS | RSX2 House side shield (includes 2 shields) |
| RSX2EGS (FINISH) U | External glare shield (specify finish) |
| RSX2HSAFRR (FINISH) U | RSX2 House side shields for AFR rotated optics (includes 2 shields) |
| RSX2EGFV (FINISH) U | External glare full visor (specify finish) |
| RSXRPA (FINISH) U | RSX Universal round pole adaptor plate (specify finish) |
| RSXWBA (FINISH) U | RSX WBA wall bracket (specify finish) ¹ |
| RSXSBCB (FINISH) U | RSX Surface conduit box (specify finish, for use with WBA, WBA not included) |
| DL127F 1.5 JU | Photocell -SSL twist-lock (120-277V) ¹⁸ |
| DLL347F 1.5 CULJU | Photocell -SSL twist-lock (347V) ¹⁸ |
| DLL480F 1.5 CULJU | Photocell -SSL twist-lock (480V) ¹⁸ |
| DSHORT SBK U | Shorting cap ¹⁸ |

NOTES

- 1 Any Type 5 distribution, is not available with WBA.
- 2 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- 3 HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
- 4 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- 5 Maximum tilt is 90° above horizontal.
- 6 It may be ordered as an accessory.
- 7 Requires MVOLT or 347V.
- 8 Not available in combination with other light sensing control options (following options cannot be combined: PE, PEX, PER7, FAO, DMG, DS, PIRHN).
- 9 Requires 120V, 208V, 240V, or 277V.
- 10 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.

- 11 For units with option PER7, the mounting must be restricted to +/- 45° from horizontal aim per ANSI C136.10-2010.
- 12 Two or more of the following options cannot be combined including DMG, DS, PER7, FAO and PIRHN.
- 13 DS only available on performance package P5 and P6.
- 14 Must be ordered with PIRHN.
- 15 Requires MVOLT or HVOLT.
- 16 Must be ordered with NLTAIR2. For additional information on PIRHN visit [here](#).
- 17 Must be ordered with fixture for factory pre-drilling.
- 18 Requires luminaire to be specified with PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.

External Shields



House Side Shield



External Glare Shield

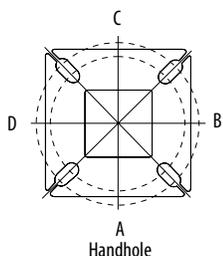


External 360 Full Visor

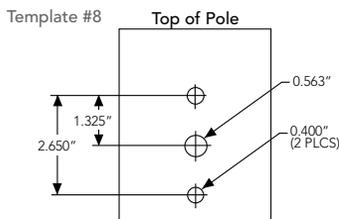
Pole/Mounting Information

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

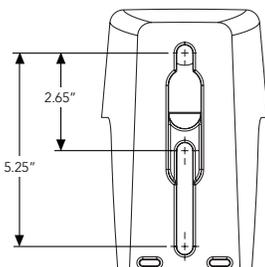
HANDHOLE ORIENTATION



RSX POLE DRILLING



RSX STANDARD ARM & ADJUSTABLE ARM



Round Tenon Mount - Pole Top Slipfitters

| Tenon O.D. | RSX Mounting | Single | 2 at 180° | 2 at 90° | 3 at 120° | 3 at 90° | 4 at 90° |
|------------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 2 - 3/8" | RPA, AARP | AS3-5 190 | AS3-5 280 | AS3-5 290 | AS3-5 320 | AS3-5 390 | AS3-5 490 |
| 2 - 7/8" | RPA, AARP | AST25-190 | AST25-280 | AST25-290 | AST25-320 | AST25-390 | AST25-490 |
| 4" | RPA, AARP | AST35-190 | AST35-280 | AST35-290 | AST35-320 | AST35-390 | AST35-490 |

Drill/Side Location by Configuration Type

| Drilling Template | Mounting Option | Single | 2 @ 180 | 2 @ 90 | 3 @ 120 | 3 @ 90 | 4 @ 90 |
|-------------------|--------------------|--------|------------|------------|-----------------|---------------|------------------|
| | Head Location | Side B | Side B & D | Side B & C | Round Pole Only | Side B, C & D | Side A, B, C & D |
| #8 | Drill Nomenclature | DM19AS | DM28AS | DM29AS | DM32AS | DM39AS | DM49AS |

RSX2 - Luminaire EPA

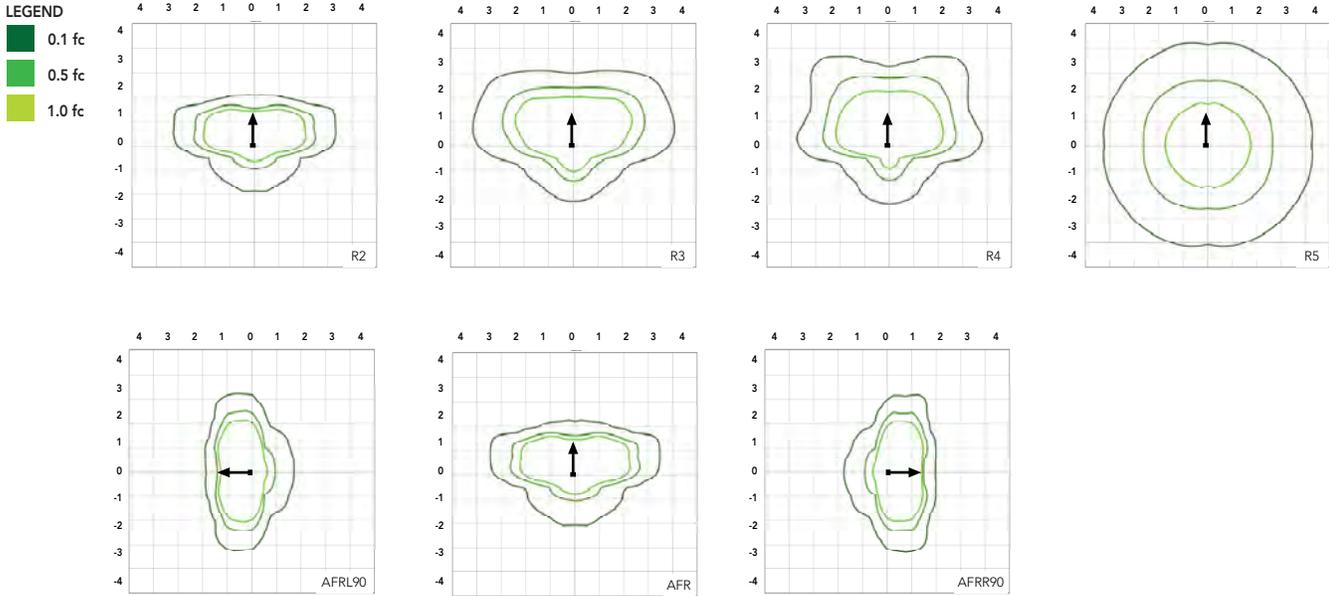
*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

| Fixture Quantity & Mounting Configuration | Single | 2 @ 90 | 2 @ 180 | 3 @ 90 | 3 @ 120 | 4 @ 90 | 2 Side by Side | 3 Side by Side | 4 Side by Side | |
|--|--------|--------|---------|--------|---------|--------|----------------|----------------|----------------|-------|
| SPA - Square Pole Adaptor | 0° | 0.69 | 1.22 | 1.27 | 1.8 | 1.61 | 2.39 | 1.37 | 2.06 | 2.74 |
| RPA - Round Pole Adaptor | | 0.74 | 1.27 | 1.37 | 1.9 | 1.71 | 2.49 | 1.42 | 2.16 | 2.84 |
| MA - Mast Arm Adaptor | | 0.61 | 1.14 | 1.11 | 1.64 | 1.45 | 2.23 | 1.29 | 1.9 | 2.58 |
| IS - Integral Slipfitter AASP/AARP - Adjustable Arm Square/Round Pole | 0° | 0.69 | 1.22 | 1.27 | 1.8 | 1.61 | 2.39 | 1.37 | 2.06 | 2.74 |
| | 10° | 0.53 | 1.06 | 1.05 | 1.58 | 1.37 | 2.08 | 1.06 | 1.59 | 2.12 |
| | 20° | 0.52 | 1.02 | 1.03 | 1.52 | 1.33 | 2.02 | 1.03 | 1.55 | 2.07 |
| | 30° | 0.64 | 1.11 | 1.18 | 1.63 | 1.45 | 2.21 | 1.27 | 1.91 | 2.54 |
| | 40° | 0.81 | 1.21 | 1.35 | 1.74 | 1.65 | 2.39 | 1.62 | 2.43 | 3.23 |
| | 45° | 0.91 | 1.25 | 1.5 | 1.81 | 1.75 | 2.48 | 1.82 | 2.73 | 3.64 |
| | 50° | 1.34 | 1.83 | 2.17 | 2.61 | 2.56 | 3.62 | 2.68 | 4.02 | 5.36 |
| | 60° | 2.2 | 2.97 | 3.57 | 4.24 | 4.17 | 5.89 | 4.41 | 6.61 | 8.82 |
| | 70° | 2.86 | 4.13 | 4.7 | 5.89 | 5.71 | 8.21 | 5.71 | 8.57 | 11.42 |
| | 80° | 3.4 | 5.13 | 5.67 | 7.34 | 7.09 | 10.21 | 6.79 | 10.19 | 13.59 |
| 90° | 3.85 | 5.96 | 6.55 | 8.58 | 8.31 | 11.88 | 7.70 | 11.56 | 15.41 | |

Photometric Diagrams

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

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



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

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

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

Electrical Load

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

Projected LED Lumen Maintenance

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

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

Lumen Output

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

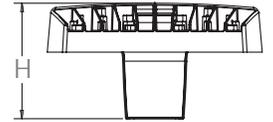
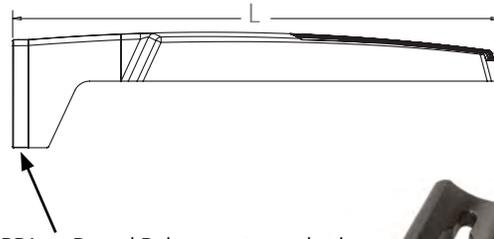
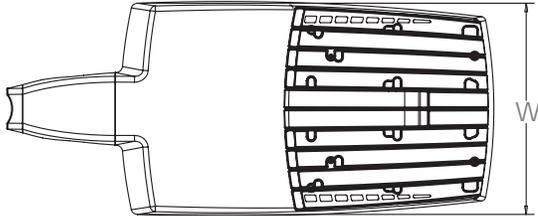
| Performance Package | System Watts | Distribution Type | 30K (3000K, 70 CRI) | | | | | 40K (4000K, 70 CRI) | | | | | 50K (5000K, 70 CRI) | | | | |
|---------------------|--------------|-------------------|---------------------|---|---|---|-----|---------------------|---|---|---|-----|---------------------|---|---|---|-----|
| | | | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW |
| P1 | 71W | R2 | 10,040 | 2 | 0 | 1 | 139 | 11,031 | 2 | 0 | 1 | 153 | 11,031 | 2 | 0 | 1 | 153 |
| | | R3 | 10,005 | 2 | 0 | 2 | 141 | 10,992 | 2 | 0 | 2 | 155 | 10,992 | 2 | 0 | 2 | 155 |
| | | R3S | 10,271 | 2 | 0 | 2 | 143 | 11,285 | 2 | 0 | 2 | 157 | 11,285 | 2 | 0 | 2 | 157 |
| | | R4 | 10,136 | 2 | 0 | 2 | 143 | 11,136 | 2 | 0 | 2 | 157 | 11,136 | 2 | 0 | 2 | 157 |
| | | R4S | 9,779 | 2 | 0 | 2 | 138 | 10,744 | 2 | 0 | 2 | 151 | 10,744 | 2 | 0 | 2 | 151 |
| | | R5 | 10,271 | 4 | 0 | 2 | 145 | 11,285 | 4 | 0 | 2 | 159 | 11,285 | 4 | 0 | 2 | 159 |
| | | R5S | 10,544 | 3 | 0 | 1 | 149 | 11,585 | 3 | 0 | 2 | 163 | 11,585 | 3 | 0 | 2 | 163 |
| | | AFR | 10,026 | 2 | 0 | 1 | 141 | 11,016 | 2 | 0 | 1 | 155 | 11,016 | 2 | 0 | 1 | 155 |
| | | AFRR90 | 10,122 | 3 | 0 | 2 | 140 | 11,121 | 3 | 0 | 2 | 154 | 11,121 | 3 | 0 | 2 | 154 |
| | | AFRL90 | 10,164 | 3 | 0 | 2 | 141 | 11,167 | 3 | 0 | 2 | 155 | 11,167 | 3 | 0 | 2 | 155 |
| P2 | 111W | R2 | 15,712 | 2 | 0 | 2 | 138 | 17,263 | 2 | 0 | 2 | 151 | 17,263 | 2 | 0 | 2 | 151 |
| | | R3 | 15,657 | 2 | 0 | 3 | 141 | 17,202 | 3 | 0 | 3 | 155 | 17,202 | 3 | 0 | 3 | 155 |
| | | R3S | 16,075 | 2 | 0 | 2 | 141 | 17,661 | 2 | 0 | 2 | 155 | 17,661 | 2 | 0 | 2 | 155 |
| | | R4 | 15,862 | 2 | 0 | 3 | 143 | 17,427 | 2 | 0 | 3 | 157 | 17,427 | 2 | 0 | 3 | 157 |
| | | R4S | 15,304 | 2 | 0 | 2 | 138 | 16,815 | 2 | 0 | 2 | 151 | 16,815 | 2 | 0 | 2 | 151 |
| | | R5 | 16,075 | 4 | 0 | 2 | 145 | 17,661 | 5 | 0 | 3 | 159 | 17,661 | 5 | 0 | 3 | 159 |
| | | R5S | 16,502 | 4 | 0 | 2 | 149 | 18,130 | 4 | 0 | 2 | 163 | 18,130 | 4 | 0 | 2 | 163 |
| | | AFR | 15,691 | 2 | 0 | 2 | 141 | 17,240 | 2 | 0 | 2 | 155 | 17,240 | 2 | 0 | 2 | 155 |
| | | AFRR90 | 15,841 | 3 | 0 | 3 | 139 | 17,404 | 4 | 0 | 3 | 153 | 17,404 | 4 | 0 | 3 | 153 |
| | | AFRL90 | 15,907 | 3 | 0 | 3 | 139 | 17,477 | 4 | 0 | 3 | 153 | 17,477 | 4 | 0 | 3 | 153 |
| P3 | 147W | R2 | 19,855 | 3 | 0 | 2 | 132 | 21,814 | 3 | 0 | 2 | 145 | 21,814 | 3 | 0 | 2 | 145 |
| | | R3 | 19,785 | 3 | 0 | 3 | 135 | 21,737 | 3 | 0 | 4 | 148 | 21,737 | 3 | 0 | 4 | 148 |
| | | R3S | 20,312 | 3 | 0 | 3 | 135 | 22,317 | 3 | 0 | 3 | 149 | 22,317 | 3 | 0 | 3 | 149 |
| | | R4 | 20,044 | 3 | 0 | 3 | 136 | 22,022 | 3 | 0 | 4 | 150 | 22,022 | 3 | 0 | 4 | 150 |
| | | R4S | 19,339 | 3 | 0 | 3 | 132 | 21,247 | 3 | 0 | 3 | 145 | 21,247 | 3 | 0 | 3 | 145 |
| | | R5 | 20,313 | 5 | 0 | 3 | 138 | 22,317 | 5 | 0 | 3 | 152 | 22,317 | 5 | 0 | 3 | 152 |
| | | R5S | 20,852 | 4 | 0 | 2 | 142 | 22,910 | 4 | 0 | 2 | 156 | 22,910 | 4 | 0 | 2 | 156 |
| | | AFR | 19,828 | 3 | 0 | 2 | 135 | 21,785 | 3 | 0 | 2 | 148 | 21,785 | 3 | 0 | 2 | 148 |
| | | AFRR90 | 20,017 | 4 | 0 | 3 | 133 | 21,992 | 4 | 0 | 3 | 147 | 21,992 | 4 | 0 | 3 | 147 |
| | | AFRL90 | 20,101 | 4 | 0 | 3 | 134 | 22,084 | 4 | 0 | 3 | 147 | 22,084 | 4 | 0 | 3 | 147 |
| P4 | 187W | R2 | 22,836 | 3 | 0 | 2 | 120 | 25,090 | 3 | 0 | 2 | 132 | 25,090 | 3 | 0 | 2 | 132 |
| | | R3 | 22,756 | 3 | 0 | 4 | 122 | 25,002 | 3 | 0 | 4 | 134 | 25,002 | 3 | 0 | 4 | 134 |
| | | R3S | 23,363 | 3 | 0 | 3 | 123 | 25,668 | 3 | 0 | 3 | 135 | 25,668 | 3 | 0 | 3 | 135 |
| | | R4 | 23,054 | 3 | 0 | 4 | 123 | 25,329 | 3 | 0 | 4 | 135 | 25,329 | 3 | 0 | 4 | 135 |
| | | R4S | 22,243 | 3 | 0 | 3 | 119 | 25,059 | 3 | 0 | 3 | 134 | 25,059 | 3 | 0 | 3 | 134 |
| | | R5 | 23,363 | 5 | 0 | 3 | 125 | 25,669 | 5 | 0 | 4 | 137 | 25,669 | 5 | 0 | 4 | 137 |
| | | R5S | 23,983 | 4 | 0 | 2 | 128 | 26,350 | 4 | 0 | 2 | 141 | 26,350 | 4 | 0 | 2 | 141 |
| | | AFR | 22,806 | 3 | 0 | 2 | 122 | 25,056 | 3 | 0 | 2 | 134 | 25,056 | 3 | 0 | 2 | 134 |
| | | AFRR90 | 23,023 | 4 | 0 | 3 | 121 | 25,295 | 4 | 0 | 3 | 133 | 25,295 | 4 | 0 | 3 | 133 |
| | | AFRL90 | 23,120 | 4 | 0 | 3 | 122 | 25,401 | 4 | 0 | 3 | 134 | 25,401 | 4 | 0 | 3 | 134 |
| P5 | 210W | R2 | 26,141 | 3 | 0 | 2 | 122 | 28,721 | 3 | 0 | 2 | 135 | 28,721 | 3 | 0 | 2 | 135 |
| | | R3 | 26,049 | 3 | 0 | 4 | 124 | 28,620 | 3 | 0 | 4 | 136 | 28,620 | 3 | 0 | 4 | 136 |
| | | R3S | 26,744 | 3 | 0 | 3 | 125 | 29,383 | 3 | 0 | 4 | 138 | 29,383 | 3 | 0 | 4 | 138 |
| | | R4 | 26,390 | 3 | 0 | 4 | 126 | 28,994 | 3 | 0 | 4 | 138 | 28,994 | 3 | 0 | 4 | 138 |
| | | R4S | 25,462 | 3 | 0 | 3 | 121 | 27,974 | 3 | 0 | 3 | 133 | 27,974 | 3 | 0 | 3 | 133 |
| | | R5 | 26,744 | 5 | 0 | 4 | 127 | 29,383 | 5 | 0 | 4 | 140 | 29,383 | 5 | 0 | 4 | 140 |
| | | R5S | 27,454 | 4 | 0 | 2 | 131 | 30,163 | 4 | 0 | 2 | 144 | 30,163 | 4 | 0 | 2 | 144 |
| | | AFR | 26,106 | 3 | 0 | 2 | 124 | 28,682 | 3 | 0 | 2 | 137 | 28,682 | 3 | 0 | 2 | 137 |
| | | AFRR90 | 26,354 | 4 | 0 | 3 | 123 | 28,955 | 5 | 0 | 3 | 136 | 28,955 | 5 | 0 | 3 | 136 |
| | | AFRL90 | 26,465 | 4 | 0 | 3 | 124 | 29,077 | 5 | 0 | 3 | 136 | 29,077 | 5 | 0 | 3 | 136 |
| P6 | 244W | R2 | 27,646 | 3 | 0 | 2 | 112 | 30,374 | 3 | 0 | 2 | 123 | 30,374 | 3 | 0 | 2 | 123 |
| | | R3 | 27,549 | 3 | 0 | 4 | 113 | 30,267 | 3 | 0 | 4 | 124 | 30,267 | 3 | 0 | 4 | 124 |
| | | R3S | 28,283 | 3 | 0 | 3 | 115 | 31,075 | 3 | 0 | 4 | 126 | 31,075 | 3 | 0 | 4 | 126 |
| | | R4 | 27,909 | 3 | 0 | 4 | 114 | 30,663 | 3 | 0 | 4 | 126 | 30,663 | 3 | 0 | 4 | 126 |
| | | R4S | 26,928 | 3 | 0 | 3 | 110 | 29,585 | 3 | 0 | 3 | 121 | 29,585 | 3 | 0 | 3 | 121 |
| | | R5 | 28,284 | 5 | 0 | 4 | 116 | 31,075 | 5 | 0 | 4 | 127 | 31,075 | 5 | 0 | 4 | 127 |
| | | R5S | 29,035 | 4 | 0 | 2 | 119 | 31,900 | 5 | 0 | 3 | 131 | 31,900 | 5 | 0 | 3 | 131 |
| | | AFR | 27,608 | 3 | 0 | 2 | 112 | 30,332 | 3 | 0 | 2 | 123 | 30,332 | 3 | 0 | 2 | 123 |
| | | AFRR90 | 27,872 | 4 | 0 | 3 | 113 | 30,622 | 5 | 0 | 3 | 124 | 30,622 | 5 | 0 | 3 | 124 |
| | | AFRL90 | 27,989 | 4 | 0 | 3 | 113 | 30,751 | 5 | 0 | 3 | 125 | 30,751 | 5 | 0 | 3 | 125 |

Dimensions & Weights

Luminaire Weight by Mounting Type

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

RSX2 with Round Pole Adapter (RPA)

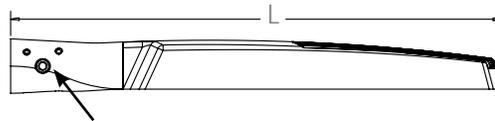
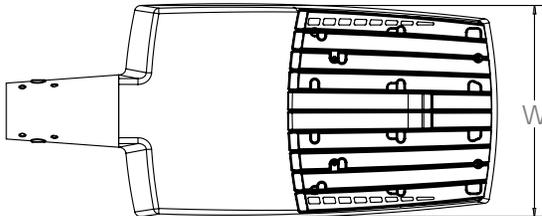


Length: 30.3" (77.0 cm)
 Width: 13.4" (34.0 cm)
 Height: 3.0" (7.6 cm) Main Body
 7.2" (18.3 cm) Arm

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



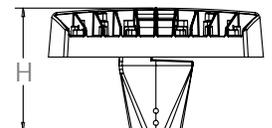
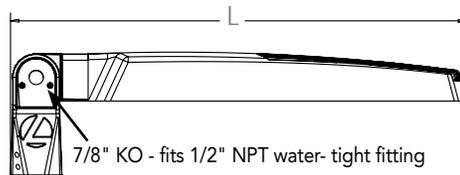
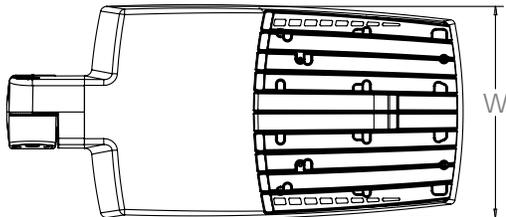
RSX2 with Mast Arm Adapter (MA)



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

7/16" locking thru bolt/nut provided

RSX2 with Adjustable Slipfitter (IS)

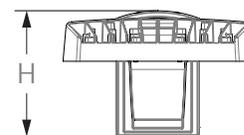
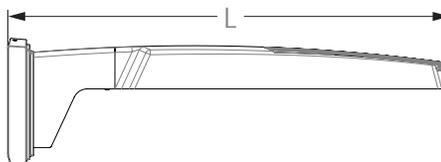
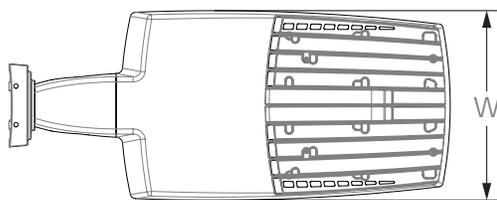


Length: 28.3" (71.9 cm)
 Width: 13.4" (34.0 cm)
 Height: 3.0" (7.6 cm) Main Body
 7.6" (19.3 cm) Arm

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

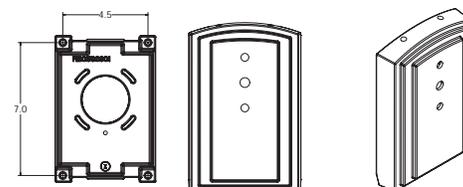
Dimensions

RSX2 with Wall Bracket (WBA)

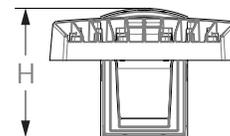
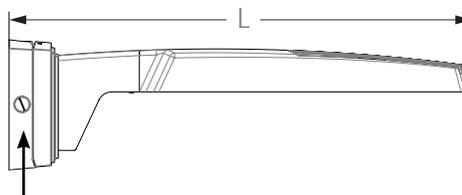
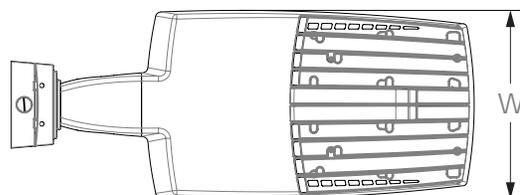


Length: 31.2" (79.2 cm)
 Width: 13.4" (41.7 cm)
 Height: 3.0" (7.6 cm) Main Body
 8.9" (22.6 cm) Arm

Wall Bracket (WBA) Mounting Detail



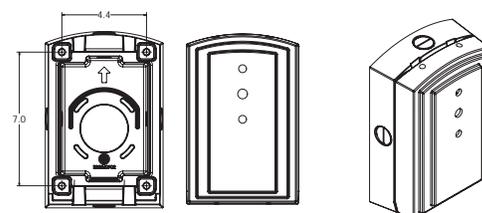
RSX2 with Wall Bracket with Surface Conduit Box (WBASC)



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

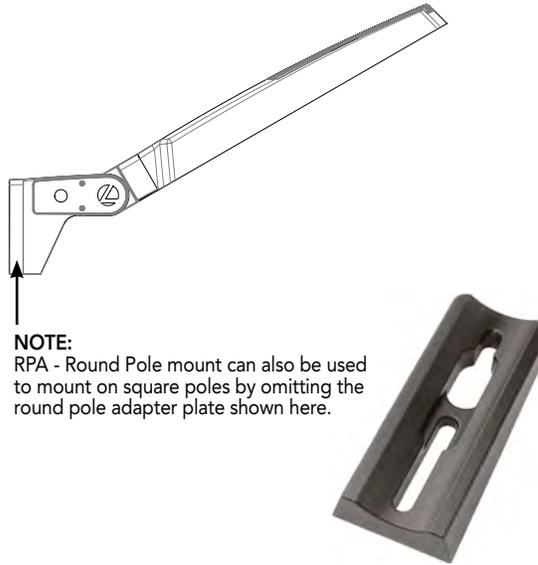
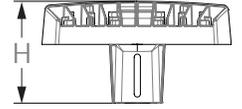
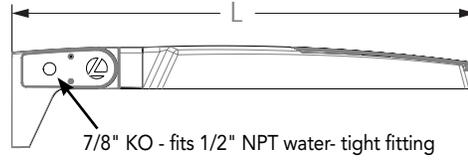
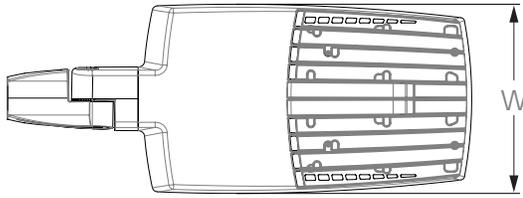
Length: 32.8" (83.3 cm)
 Width: 13.4" (41.7 cm)
 Height: 3.0" (7.6 cm) Main Body
 9.2" (23.4 cm) Arm

Surface Conduit Box (SCB) Mounting Detail



Dimensions

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

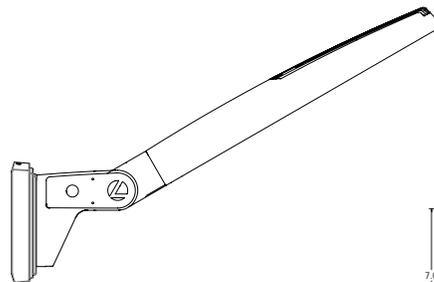
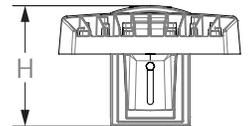
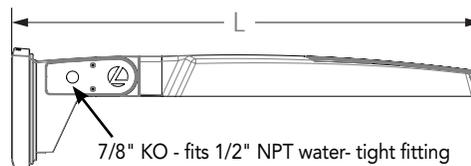
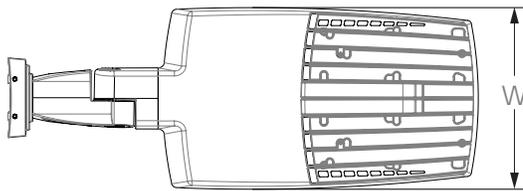


NOTE:
RPA - Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.

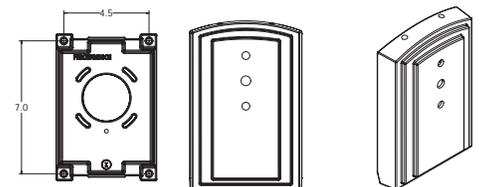
Length: 32.8" (83.3 cm) **AASP**
33.8" (85.9 cm) **AARP**
Width: 13.4" (34.0 cm)
Height: 3.0" (7.6 cm) Main Body
7.2" (18.2 cm) Arm

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)



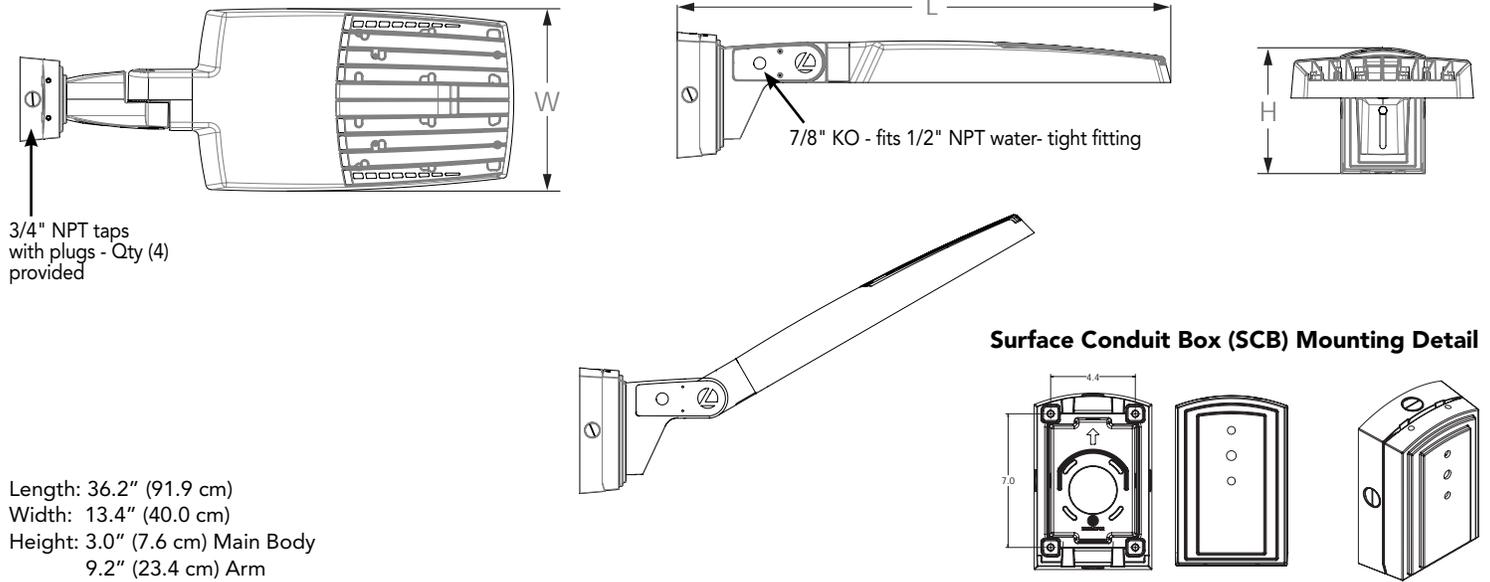
Wall Bracket (WBA) Mounting Detail



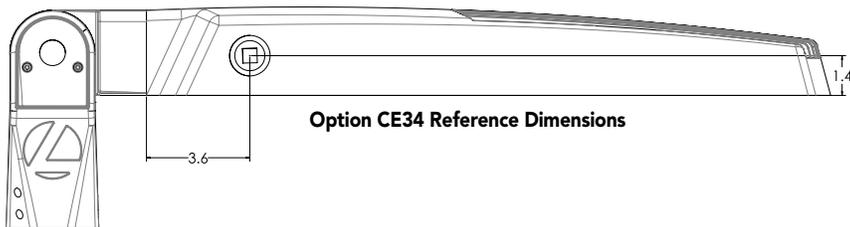
Length: 34.7" (88.0 cm)
Width: 13.4" (34.0 cm)
Height: 3.0" (7.6 cm) Main Body
8.9" (22.6 cm) Arm

Dimensions

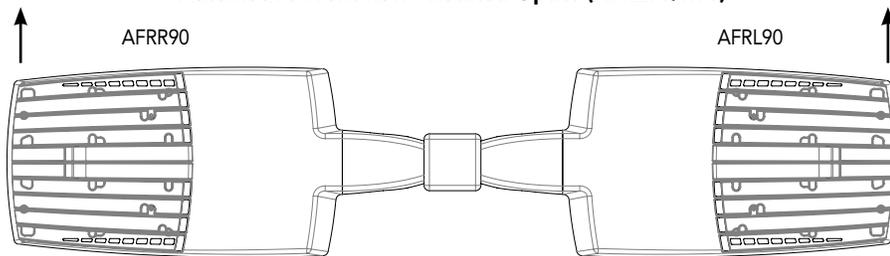
RSX2 with Adjustable Tilt Arm with Wall Bracket and Surface Conduit Box (AAWSC)



Additional Reference Drawings

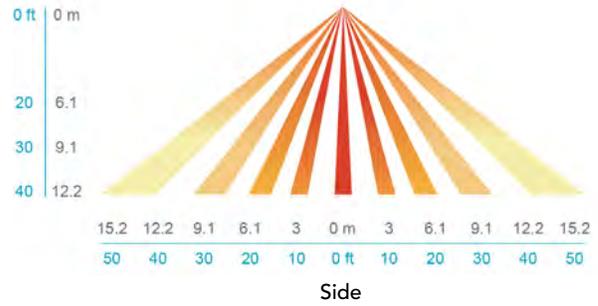
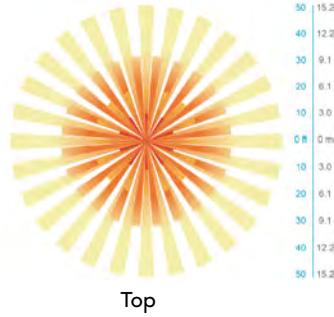
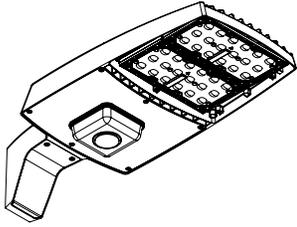


Automotive Front Row - Rotated Optics (AFRL90/R90)



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

NLTAIR2 PIRHN nLight Sensor Coverage Pattern nLight PIRHN



| Motion Sensor Default Settings - Option PIRHN | | | | | | |
|---|---------------------------|----------------------------|---------------------|-----------------------------------|--|--|
| Option | Dimmed State (unoccupied) | High Level (when occupied) | Photocell Operation | Dwell Time (occupancy time delay) | Ramp-up Time (from unoccupied to occupied) | Ramp-down Time (from occupied to unoccupied) |
| NLTAIR2 PIRHN | Approx. 30% Output | 100% Output | Enabled @ 1.5FC | 7.5 minutes | 3 seconds | 5 minutes |

*Note: NLTAIR2 PIRHN default settings including photocell set-point, high/low dim rates, and occupancy sensor time delay are all configurable using the Clarity Pro App. Sensor coverage pattern shown with luminaire at 0°. Sensor coverage pattern is affected when luminaire is tilted.

FEATURES & SPECIFICATIONS

INTENDED USE

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

CONSTRUCTION AND DESIGN

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

FINISH

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

OPTICS

Precision acrylic refractive lenses are engineered for superior application efficiency, distributing the light to where it is needed most. Available in short and wide pattern distributions including Type 2, Type 3, Type 3S, Type 4, Type 5, Type 5S, AFR (Automotive Front Row) and AFR rotated AFRR90 and ARFL90.

ELECTRICAL

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

STANDARD CONTROLS

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

nLIGHT AIR CONTROLS

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

INSTALLATION

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

LISTINGS

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

WARRANTY

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/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.



WEDGE4 LED

Architectural Wall Sconce



Catalog Number

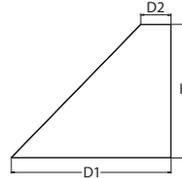
Notes

Type

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

Specifications

Depth (D1): 10"
Depth (D2): 2"
Height: 9"
Width: 25"
Weight: 30.5 lbs
 (without options)



Introduction

The WEDGE 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 WEDGE family provides additional energy savings and code compliance.

WEDGE4 has been designed to deliver up to 25,000 lumens through a precision refractive lens with wide distribution, perfect for augmenting the lighting from pole mounted luminaires.

WEDGE LED Family Overview

| Luminaire | Standard EM, 0°C | Cold EM, -20°C | Sensor | Lumens (4000K) | | | | | |
|------------|------------------|----------------|---------------------|----------------|--------|--------|--------|--------|--------|
| | | | | P1 | P2 | P3 | P4 | P5 | P6 |
| WEDGE1 LED | 4W | -- | -- | 1,200 | 2,000 | -- | -- | -- | -- |
| WEDGE2 LED | 10W | 18W | Standalone / nLight | 1,200 | 2,000 | 3,000 | 4,500 | 6,000 | -- |
| WEDGE3 LED | 15W | 18W | Standalone / nLight | 7,500 | 8,500 | 10,000 | 12,000 | -- | -- |
| WEDGE4 LED | -- | -- | Standalone / nLight | 12,000 | 16,000 | 18,000 | 20,000 | 22,000 | 25,000 |

Ordering Information

EXAMPLE: WEDGE4 LED P3 40K 70CRI R3 MVOLT SRM DDBXD

| Series | Package | Color Temperature | CRI | Distribution | Voltage | Mounting |
|------------|---------|-------------------|-------|--------------|------------------|--|
| WEDGE4 LED | P1 | 30K | 70CRI | R2 | MVOLT | Shipped included SRM Surface mounting bracket ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only) ⁴ |
| | P4 | 3000K | 70CRI | Type 2 | | |
| | P2 | 40K | 80CRI | R3 | 347 ¹ | |
| | P5 | 4000K | 80CRI | Type 3 | | |
| | P3 | 50K | | R4 | 480 ¹ | Shipped separately AWS 3/8inch Architectural wall spacer PBBW Surface-mounted back box (top, left, right conduit entry) |
| | P6 | 5000K | | RFT | Forward Throw | |

| Options | Finish |
|---|--|
| PE² Photocell, Button Type DS³ Dual switching (comes with 2 drivers and 2 light engines) DMG³ 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately) BCE Bottom conduit entry for back box (PBBW). Total of 4 entry points. SPD10KV 10kV Surge pack | DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white DSSTXD Textured sandstone |
| Standalone Sensors/Controls PIR Bi-level (100/35%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk to dawn switching. PIRH Bi-level (100/35%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk to dawn switching PIR1FC3V Bi-level (100/35%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation. PIRH1FC3V Bi-level (100/35%) motion sensor for 15-30' mounting heights with photocell pre-programmed for dusk to dawn operation. | |
| Networked Sensors/Controls NLTAIR2 PIR nLightAIR Wireless enabled bi-level motion/ambient sensor for 8-15' mounting heights. NLTAIR2 PIRH nLightAIR Wireless enabled bi-level motion/ambient sensor for 15-30' mounting heights. See page 3 for out of box functionality | |
| | |

Accessories

Ordered and shipped separately.

WDGEAWS DDBXD U WEDGE 3/8inch Architectural Wall Spacer (specify finish)
 WDGE4PBBW DDBXD U WEDGE4 surface-mounted back box (specify finish)

NOTES

- 347V and 480V not available with DS.
- PE not available in 480V and with sensors/controls.
- DS and DMG not available with sensors/controls.
- Not qualified for DLC. Not available with emergency battery backup.



COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
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WEDGE4 LED
 Rev. 10/20/20

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 | 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 |
| P1 | 77W | R2 | 11,173 | 146 | 2 | 0 | 1 | 12,125 | 158 | 2 | 0 | 1 | 12,125 | 158 | 2 | 0 | 1 |
| | | R3 | 10,951 | 143 | 2 | 0 | 2 | 11,884 | 155 | 2 | 0 | 2 | 11,884 | 155 | 2 | 0 | 2 |
| | | R4 | 11,224 | 147 | 2 | 0 | 2 | 12,180 | 159 | 2 | 0 | 2 | 12,180 | 159 | 2 | 0 | 2 |
| | | RFT | 11,104 | 145 | 2 | 0 | 2 | 12,050 | 157 | 2 | 0 | 2 | 12,050 | 157 | 2 | 0 | 2 |
| P2 | 106W | R2 | 14,960 | 141 | 3 | 0 | 2 | 16,235 | 153 | 3 | 0 | 2 | 16,235 | 153 | 3 | 0 | 2 |
| | | R3 | 14,663 | 138 | 2 | 0 | 2 | 15,912 | 150 | 2 | 0 | 3 | 15,912 | 150 | 2 | 0 | 3 |
| | | R4 | 15,028 | 141 | 2 | 0 | 2 | 16,308 | 153 | 2 | 0 | 3 | 16,308 | 153 | 2 | 0 | 3 |
| | | RFT | 14,868 | 140 | 2 | 0 | 2 | 16,134 | 152 | 2 | 0 | 2 | 16,134 | 152 | 2 | 0 | 2 |
| P3 | 123W | R2 | 16,993 | 138 | 3 | 0 | 2 | 18,441 | 150 | 3 | 0 | 2 | 18,441 | 150 | 3 | 0 | 2 |
| | | R3 | 16,655 | 136 | 2 | 0 | 3 | 18,074 | 147 | 3 | 0 | 3 | 18,074 | 147 | 3 | 0 | 3 |
| | | R4 | 17,070 | 139 | 2 | 0 | 3 | 18,524 | 151 | 3 | 0 | 3 | 18,524 | 151 | 3 | 0 | 3 |
| | | RFT | 16,888 | 138 | 2 | 0 | 3 | 18,327 | 149 | 2 | 0 | 3 | 18,327 | 149 | 2 | 0 | 3 |
| P4 | 140W | R2 | 18,958 | 136 | 3 | 0 | 2 | 20,573 | 147 | 3 | 0 | 2 | 20,573 | 147 | 3 | 0 | 2 |
| | | R3 | 18,581 | 133 | 3 | 0 | 3 | 20,164 | 144 | 3 | 0 | 3 | 20,164 | 144 | 3 | 0 | 3 |
| | | R4 | 19,044 | 136 | 3 | 0 | 3 | 20,667 | 148 | 3 | 0 | 3 | 20,667 | 148 | 3 | 0 | 3 |
| | | RFT | 18,841 | 135 | 2 | 0 | 3 | 20,446 | 146 | 3 | 0 | 3 | 20,446 | 146 | 3 | 0 | 3 |
| P5 | 156W | R2 | 20,919 | 134 | 3 | 0 | 2 | 22,702 | 146 | 3 | 0 | 2 | 22,702 | 146 | 3 | 0 | 2 |
| | | R3 | 20,503 | 132 | 3 | 0 | 3 | 22,250 | 143 | 3 | 0 | 3 | 22,250 | 143 | 3 | 0 | 3 |
| | | R4 | 21,014 | 135 | 3 | 0 | 3 | 22,804 | 147 | 3 | 0 | 4 | 22,804 | 147 | 3 | 0 | 4 |
| | | RFT | 20,790 | 134 | 3 | 0 | 3 | 22,561 | 145 | 3 | 0 | 3 | 22,561 | 145 | 3 | 0 | 3 |
| P6 | 185W | R2 | 23,725 | 128 | 3 | 0 | 2 | 25,746 | 139 | 3 | 0 | 2 | 25,746 | 139 | 3 | 0 | 2 |
| | | R3 | 23,253 | 126 | 3 | 0 | 4 | 25,234 | 136 | 3 | 0 | 4 | 25,234 | 136 | 3 | 0 | 4 |
| | | R4 | 23,832 | 129 | 3 | 0 | 4 | 25,863 | 140 | 3 | 0 | 4 | 25,863 | 140 | 3 | 0 | 4 |
| | | RFT | 23,578 | 127 | 3 | 0 | 3 | 25,587 | 138 | 3 | 0 | 4 | 25,587 | 138 | 3 | 0 | 4 |

Electrical Load

| Performance Package | System Watts | Current (A) | | | | | |
|---------------------|--------------|-------------|-------|-------|-------|-------|-------|
| | | 120V | 208V | 240V | 277V | 347V | 480V |
| P1 | 77W | 0.635 | 0.366 | 0.319 | 0.280 | 0.223 | 0.161 |
| P2 | 106W | 0.889 | 0.514 | 0.449 | 0.395 | 0.309 | 0.228 |
| P3 | 123W | 1.014 | 0.585 | 0.510 | 0.447 | 0.356 | 0.258 |
| P4 | 140W | 1.159 | 0.668 | 0.582 | 0.509 | 0.403 | 0.294 |
| P5 | 156W | 1.296 | 0.743 | 0.647 | 0.564 | 0.451 | 0.326 |
| P6 | 185W | 1.512 | 0.864 | 0.751 | 0.655 | 0.526 | 0.378 |

Lumen Multiplier for 80CRI

| CCT | Multiplier |
|-----|------------|
| 30K | 0.891 |
| 40K | 0.906 |
| 50K | 0.906 |

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 | 1.05 |
| 10°C / 50°F | 1.03 |
| 20°C / 68°F | 1.01 |
| 25°C / 77°F | 1.00 |
| 30°C / 86°F | 0.99 |
| 40°C / 104°F | 0.97 |

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 | >0.98 | >0.96 | >0.92 |



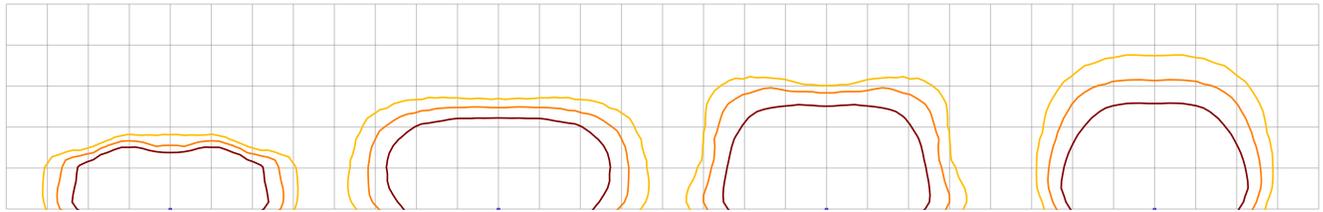
Photometric Diagrams

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

MH = 18ft
Grid = 18ft x 18ft



WDGE4 LED P2 40K 70CRI R2

WDGE4 LED P2 40K 70CRI R3

WDGE4 LED P2 40K 70CRI R4

WDGE4 LED P2 40K 70CRI RFT

Control / Sensor Options

Motion/Ambient Sensor (PIR_, PIRH_)

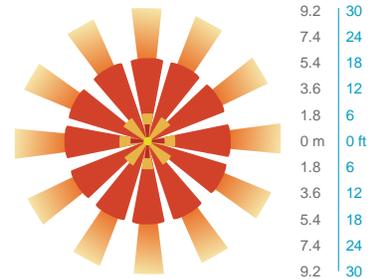
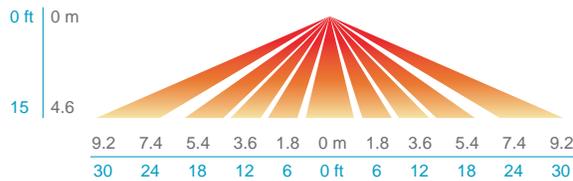
Motion/Ambient sensor (Sensor Switch MSOD) is integrated into the the luminaire. The sensor provides both Motion and Daylight based dimming of the luminaire. For motion detection, the sensor utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size motion while preventing 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.

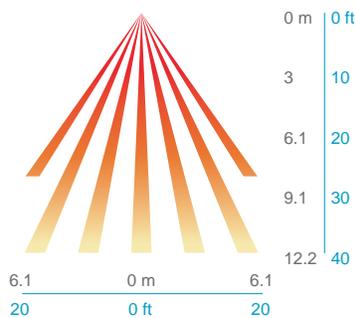
PIR

HIGH VIEW

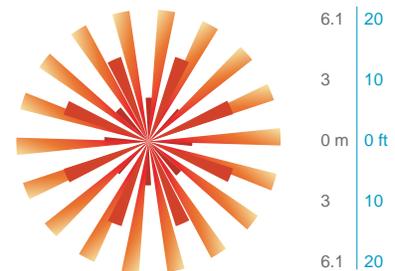


PIRH

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 |



**NLTAIR2 PIR – nLight AIR
Motion/Ambient Sensor**

D = 10"
H = 11"
W = 25"



PBBW – Surface-Mounted Back Box

D = 1.75"
H = 9"
W = 25"



AWS – 3/8inch Architectural Wall Spacer

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

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 to optimize thermal transfer from the light engine 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. Light engines are available in 3000 K, 4000 K or 5000 K configurations. 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 L92/100,000 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).

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. Light engines are IP66 rated; luminaire is IP65 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.org/QPL to confirm which versions are qualified. International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature and SRM mounting only.

WARRANTY

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

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



WEDGE3 LED

Architectural Wall Sconce



Catalog Number

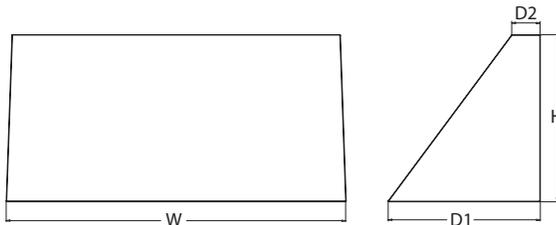
Notes

Type

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

Specifications

Depth (D1): 8"
Depth (D2): 1.5"
Height: 9"
Width: 18"
Weight: 19.5 lbs
 (without options)



Introduction

The WEDGE 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 WEDGE family provides additional energy savings and code compliance.

WEDGE3 has been designed to deliver up to 12,000 lumens through a precision refractive lens with wide distribution, perfect for augmenting the lighting from pole mounted luminaires.

WEDGE LED Family Overview

| Luminaire | Standard EM, 0°C | Cold EM, -20°C | Sensor | Lumens (4000K) | | | | | |
|------------|------------------|----------------|---------------------|----------------|--------|--------|--------|--------|--------|
| | | | | P1 | P2 | P3 | P4 | P5 | P6 |
| WEDGE1 LED | 4W | -- | -- | 1,200 | 2,000 | -- | -- | -- | -- |
| WEDGE2 LED | 10W | 18W | Standalone / nLight | 1,200 | 2,000 | 3,000 | 4,500 | 6,000 | -- |
| WEDGE3 LED | 15W | 18W | Standalone / nLight | 7,500 | 8,500 | 10,000 | 12,000 | -- | -- |
| WEDGE4 LED | -- | -- | Standalone / nLight | 12,000 | 16,000 | 18,000 | 20,000 | 22,000 | 25,000 |

Ordering Information

EXAMPLE: WEDGE3 LED P3 40K 70CRI R3 MVOLT SRM DDBXD

| Series | Package | Color Temperature | CRI | Distribution | Voltage | Mounting | |
|------------|---------|-------------------|-------|-------------------|------------------|--|--|
| WEDGE3 LED | P1 | 30K 3000K | 70CRI | R2 Type 2 | MVOLT | Shipped included SRM Surface mounting bracket ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only)* | |
| | P2 | 40K 4000K | 80CRI | R3 Type 3 | 347 ¹ | | Shipped separately AWS 3/8inch Architectural wall spacer PBBW Surface-mounted back box (top, left, right conduit entry) |
| | P3 | 50K 5000K | | R4 Type 4 | 480 ¹ | | |
| | P4 | | | RFT Forward Throw | | | |

| Options | Finish |
|---|--|
| E15WH Emergency battery backup, CEC compliant (15W, 5°C min) E20WC Emergency battery backup, CEC compliant (18W, -20°C min) PE² Photocell, Button Type DMG³ 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately) BCE Bottom conduit entry for back box (PBBW). Total of 4 entry points. SPD10KV 10kV Surge pack | DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DDBTXD Textured dark bronze DBLTXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white DSSTXD Textured sandstone |
| Standalone Sensors/Controls PIR Bi-level (100/35%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk to dawn switching. PIRH Bi-level (100/35%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk to dawn switching PIR1FC3V Bi-level (100/35%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation. PIRH1FC3V Bi-level (100/35%) motion sensor for 15-30' mounting heights with photocell pre-programmed for dusk to dawn operation. Networked Sensors/Controls NLTAIR2 PIR nLightAIR Wireless enabled bi-level motion/ambient sensor for 8-15' mounting heights. NLTAIR2 PIRH nLightAIR Wireless enabled bi-level motion/ambient sensor for 15-30' mounting heights. See page 4 for out of box functionality | |

Accessories

Ordered and shipped separately.

WDGEAWS DDBXD U WEDGE 3/8inch Architectural Wall Spacer (specify finish)
 WDGE3PBBW DDBXD U WEDGE3 surface-mounted back box (specify finish)

NOTES

- 347V and 480V not available with E15WH and E20WC.
- PE not available in 480V and with sensors/controls.
- DMG option not available with sensors/controls.
- Not qualified for DLC. Not available with emergency battery backup or sensors/controls



COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
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WEDGE3 LED
 Rev. 10/20/20

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 | 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 |
| P1 | 52W | R2 | 7,037 | 136 | 1 | 0 | 1 | 7,649 | 148 | 2 | 0 | 1 | 7,649 | 148 | 2 | 0 | 1 |
| | | R3 | 6,922 | 134 | 1 | 0 | 2 | 7,524 | 145 | 1 | 0 | 2 | 7,524 | 145 | 1 | 0 | 2 |
| | | R4 | 7,133 | 138 | 1 | 0 | 2 | 7,753 | 150 | 1 | 0 | 2 | 7,753 | 150 | 1 | 0 | 2 |
| | | RFT | 6,985 | 135 | 1 | 0 | 2 | 7,592 | 147 | 1 | 0 | 2 | 7,592 | 147 | 1 | 0 | 2 |
| P2 | 59W | R2 | 7,968 | 135 | 2 | 0 | 1 | 8,661 | 147 | 2 | 0 | 1 | 8,661 | 147 | 2 | 0 | 1 |
| | | R3 | 7,838 | 133 | 1 | 0 | 2 | 8,519 | 144 | 1 | 0 | 2 | 8,519 | 144 | 1 | 0 | 2 |
| | | R4 | 8,077 | 137 | 1 | 0 | 2 | 8,779 | 149 | 1 | 0 | 2 | 8,779 | 149 | 1 | 0 | 2 |
| | | RFT | 7,909 | 134 | 1 | 0 | 2 | 8,597 | 146 | 2 | 0 | 2 | 8,597 | 146 | 2 | 0 | 2 |
| P3 | 71W | R2 | 9,404 | 132 | 2 | 0 | 1 | 10,221 | 143 | 2 | 0 | 1 | 10,221 | 143 | 2 | 0 | 1 |
| | | R3 | 9,250 | 130 | 2 | 0 | 2 | 10,054 | 141 | 2 | 0 | 2 | 10,054 | 141 | 2 | 0 | 2 |
| | | R4 | 9,532 | 134 | 2 | 0 | 2 | 10,361 | 145 | 2 | 0 | 2 | 10,361 | 145 | 2 | 0 | 2 |
| | | RFT | 9,334 | 131 | 2 | 0 | 2 | 10,146 | 142 | 2 | 0 | 2 | 10,146 | 142 | 2 | 0 | 2 |
| P4 | 88W | R2 | 11,380 | 129 | 2 | 0 | 1 | 12,369 | 140 | 2 | 0 | 1 | 12,369 | 140 | 2 | 0 | 1 |
| | | R3 | 11,194 | 127 | 2 | 0 | 2 | 12,167 | 138 | 2 | 0 | 2 | 12,167 | 138 | 2 | 0 | 2 |
| | | R4 | 11,535 | 131 | 2 | 0 | 2 | 12,538 | 142 | 2 | 0 | 2 | 12,538 | 142 | 2 | 0 | 2 |
| | | RFT | 11,295 | 128 | 2 | 0 | 2 | 12,277 | 139 | 2 | 0 | 2 | 12,277 | 139 | 2 | 0 | 2 |

Electrical Load

| Performance Package | System Watts | Current (A) | | | | | |
|---------------------|--------------|-------------|-------|-------|-------|-------|-------|
| | | 120V | 208V | 240V | 277V | 347V | 480V |
| P1 | 52W | 0.437 | 0.246 | 0.213 | 0.186 | 0.150 | 0.110 |
| P2 | 59W | 0.498 | 0.287 | 0.251 | 0.220 | 0.175 | 0.126 |
| P3 | 71W | 0.598 | 0.344 | 0.300 | 0.262 | 0.210 | 0.152 |
| P4 | 88W | 0.727 | 0.424 | 0.373 | 0.333 | 0.260 | 0.190 |

Lumen Output in Emergency Mode (4000K, 70 CRI)

| Option | Dist. Type | Lumens |
|--------|------------|--------|
| E15WH | R2 | 3,185 |
| | R3 | 3,133 |
| | R4 | 3,229 |
| | RFT | 3,162 |
| E20WC | R2 | 3,669 |
| | R3 | 3,609 |
| | R4 | 3,719 |
| | RFT | 3,642 |

Lumen Multiplier for 80CRI

| CCT | Multiplier |
|-----|------------|
| 30K | 0.891 |
| 40K | 0.906 |
| 50K | 0.906 |

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 | 1.05 |
| 10°C / 50°F | 1.03 |
| 20°C / 68°F | 1.01 |
| 25°C / 77°F | 1.00 |
| 30°C / 86°F | 0.99 |
| 40°C / 104°F | 0.97 |

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).

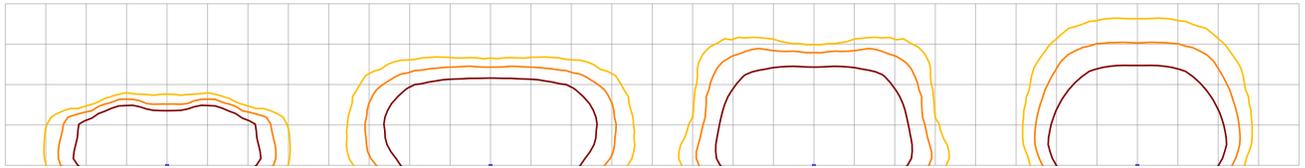
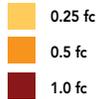
To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

| Operating Hours | 0 | 25,000 | 50,000 | 100,000 |
|--------------------------|-----|--------|--------|---------|
| Lumen Maintenance Factor | 1.0 | >0.98 | >0.97 | >0.92 |

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



MH = 15ft
Grid = 15ft x 15ft

WDGE3 LED P3 40K 70CRI R2

WDGE3 LED P3 40K 70CRI R3

WDGE3 LED P3 40K 70CRI R4

WDGE3 LED P3 40K 70CRI RFT

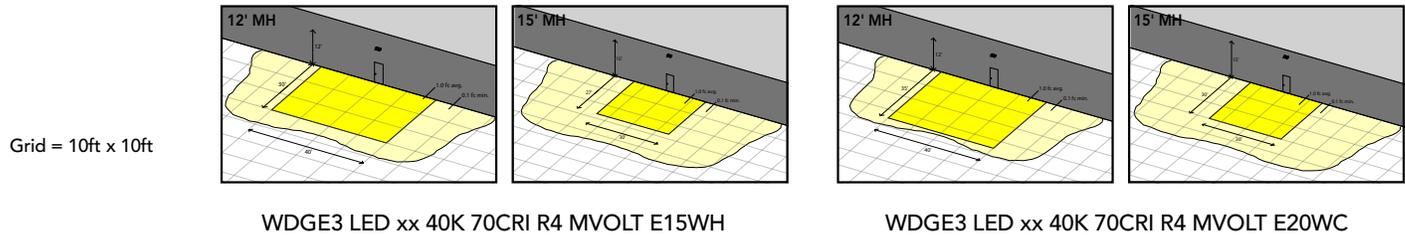
Emergency Egress Options

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, 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

The examples below show illuminance of 1 fc average and 0.1 fc minimum in emergency mode with E15WH or E20WC and R4 distribution.





**NLTAIR2 PIR – nLight AIR
Motion/Ambient Sensor**

D = 8"
H = 11"
W = 18"



PBBW – Surface-Mounted Back Box

D = 1.75"
H = 9"
W = 18"



AWS – 3/8inch Architectural Wall Spacer

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

FEATURES & SPECIFICATIONS

INTENDED USE

Common architectural look, with clean rectilinear shape, of the WEDGE 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 to optimize thermal transfer from the light engine 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 IP65 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. Light engines are available in 3000 K, 4000 K or 5000 K configurations. The WEDGE 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 L92/100,000 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).

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. Light engines are IP66 rated; luminaire is IP65 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.org/QPL to confirm which versions are qualified. International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature and SRM mounting only.

WARRANTY

5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/support/warranty/terms-and-conditions

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



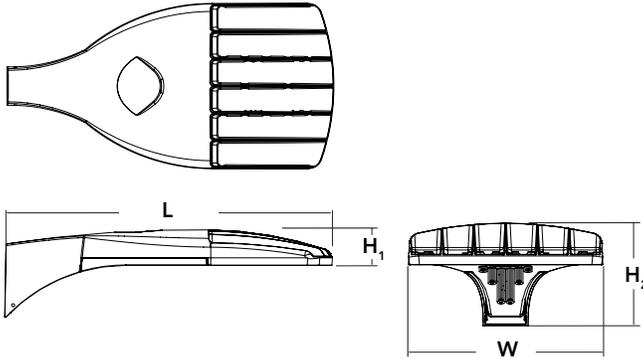
D-Series Size 0 LED Area Luminaire



d[#]series

Specifications

| | |
|----------------------------|---|
| EPA: | 0.95 ft ² (.09 m ²) |
| Length: | 26" (66.0 cm) |
| Width: | 13" (33.0 cm) |
| Height₁: | 3" (7.62 cm) |
| Height₂: | 7" (17.8 cm) |
| Weight (max): | 16 lbs (7.25 kg) |



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

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

Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 400W metal halide with typical energy savings of 70% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSX0 LED P6 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

| DSX0 LED | | Color temperature | | Distribution | | Voltage | Mounting | | |
|----------|-------------------------------------|-------------------|--------|--------------|--------------------------------|---------|----------------------------------|----------------------|--|
| Series | LEDs | | | | | | | | |
| DSX0 LED | Forward optics | 30K | 3000 K | T1S | Type I short (Automotive) | T5S | Type V short ³ | MVOLT ^{5,6} | Shipped included SPA Square pole mounting RPA Round pole mounting ⁷ WBA Wall bracket ³ SPUMBA Square pole universal mounting adaptor ⁸ RPUMBA Round pole universal mounting adaptor ⁸ Shipped separately KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) ⁹ |
| | P1 P4 ¹ P7 ¹ | 40K | 4000 K | T2S | Type II short | T5M | Type V medium ³ | 120 ⁶ | |
| | P2 P5 | 50K | 5000 K | T2M | Type II medium | T5W | Type V wide ³ | 208 ⁶ | |
| | P3 P6 | | | T3S | Type III short | BLC | Backlight control ⁴ | 240 ⁶ | |
| | Rotated optics | | | T3M | Type III medium | LCCO | Left corner cutoff ⁴ | 277 ⁶ | |
| | P10 ² P12 ² | | | T4M | Type IV medium | RCCO | Right corner cutoff ⁴ | 347 ⁶ | |
| | P11 ² P13 ^{1,2} | | | TFTM | Forward throw medium | | | 480 ⁶ | |
| | | | | TSVS | Type V very short ³ | | | | |

| Control options | Other options | Finish (required) |
|--|--|----------------------------------|
| Shipped installed | Shipped installed | DDBXD Dark bronze |
| NLTAIR2 nLight AIR generation 2 enabled ^{10,11} | HS House-side shield ¹⁹ | DBLXD Black |
| PIRHN Network, high/low motion/ambient sensor ¹² | SF Single fuse (120, 277, 347V) ⁶ | DNAXD Natural aluminum |
| PER NEMA twist-lock receptacle only (control ordered separate) ¹³ | DF Double fuse (208, 240, 480V) ⁶ | DWHXD White |
| PER5 Five-pin receptacle only (control ordered separate) ^{13,14} | L90 Left rotated optics ² | DDBTXD Textured dark bronze |
| PER7 Seven-pin receptacle only (leads exit fixture) (control ordered separate) ^{13,14} | R90 Right rotated optics ² | DBLTXD Textured black |
| DMG 0-10V dimming extend out back of housing for external control (control ordered separate) ¹⁵ | DDL Diffused drop lens ¹⁹ | DNATXD Textured natural aluminum |
| | HA 50°C ambient operations ¹ | DWHGXD Textured white |
| | Shipped separately | |
| | BS Bird spikes ²⁰ | |
| | EGS External glare shield | |



Ordering Information

Accessories

Ordered and shipped separately.

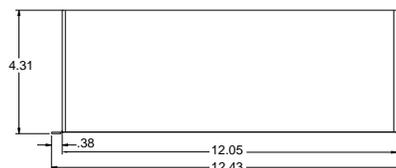
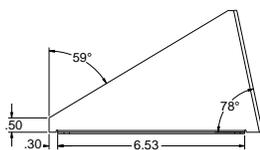
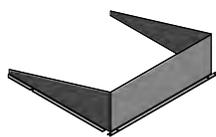
| | |
|--------------------|---|
| DLL127F 1.5 JU | Photocell - SSL twist-lock (120-277V) ²¹ |
| DLL347F 1.5 CUL JU | Photocell - SSL twist-lock (347V) ²¹ |
| DLL480F 1.5 CUL JU | Photocell - SSL twist-lock (480V) ²¹ |
| DSHORT SBK U | Shorting cap ²¹ |
| DSX0HS 20C U | House-side shield for P1,P2,P3 and P4 ¹⁹ |
| DSX0HS 30C U | House-side shield for P10,P11,P12 and P13 ¹⁹ |
| DSX0HS 40C U | House-side shield for P5,P6 and P7 ¹⁹ |
| DSX0DDL U | Diffused drop lens (polycarbonate) ¹⁹ |
| PUMBA DDBXD U* | Square and round pole universal mounting bracket adaptor (specify finish) ²² |
| KMA8 DDBXD U | Mast arm mounting bracket adaptor (specify finish) ¹⁷ |
| DSX0EGS (FINISH) U | External glare shield |

For more control options, visit [DTL](#) and [ROAM](#) online. Link to [nLight Air 2](#)

NOTES

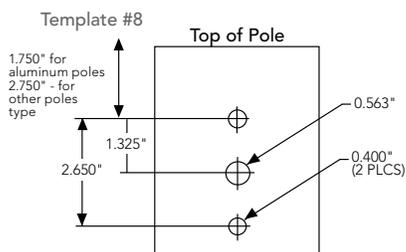
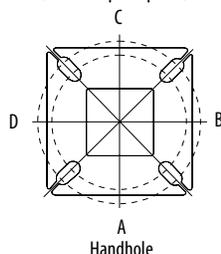
- 1 HA not available with P4, P7, and P13.
- 2 P10, P11, P12 and P13 and rotated options (L90 or R90) only available together.
- 3 Any Type 5 distribution with photocell, is not available with WBA.
- 4 Not available with HS or DDL.
- 5 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- 6 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- 7 Suitable for mounting to round poles between 3.5" and 12" diameter.
- 8 Universal mounting brackets intended for retrofit on existing pre-drilled poles only. 1.5 G vibration load rating per ANCI C136.31. Only usable when pole's drill pattern is NOT Lithonia template #8.
- 9 Must order fixture with SPA mounting. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" diameter mast arm (not included).
- 10 Must be ordered with PIRHN.
- 11 Sensor cover available only in dark bronze, black, white and natural aluminum colors.
- 12 Must be ordered with NLTAIR2. For more information on nLight Air 2 visit [this link](#).
- 13 Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
- 14 If ROAM[®] node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Shorting Cap included.
- 15 DMG not available with PIRHN, PER5, PER7, PIR, PIRH, PIR1FC3V or PIRH1FC3V, FAO.
- 16 Reference Controls Options table on page 4.
- 17 Reference Motion Sensor Default Table on page 4 to see functionality.
- 18 Not available with other dimming controls options.
- 19 Not available with BLC, LCCO and RCCO distribution.
- 20 Must be ordered with fixture for factory pre-drilling.
- 21 Requires luminaire to be specified with PER, PER5 or PER7 option. See Controls Table on page 4.
- 22 For retrofit use only. Only usable when pole's drill pattern is NOT Lithonia template #8

EGS – External Glare Shield



Drilling

HANDHOLE ORIENTATION (from top of pole)



Tenon Mounting Slipfitter

| Tenon O.D. | Single Unit | 2 at 180° | 2 at 90° | 3 at 90° | 3 at 120° | 4 at 90° |
|------------|-------------|-----------|-----------|-----------|-----------|-----------|
| 2-3/8" | AST20-190 | AST20-280 | AST20-290 | AST20-390 | AST20-320 | AST20-490 |
| 2-7/8" | AST25-190 | AST25-280 | AST25-290 | AST25-390 | AST25-320 | AST25-490 |
| 4" | AST35-190 | AST35-280 | AST35-290 | AST35-390 | AST35-320 | AST35-490 |

| Mounting Option | Drilling Template | Single | 2 @ 180 | 2 @ 90 | 3 @ 90 | 3 @ 120 | 4 @ 90 |
|--|-------------------|--------|------------|------------|---------------|-----------------|------------------|
| Head Location | | Side B | Side B & D | Side B & C | Side B, C & D | Round Pole Only | Side A, B, C & D |
| Drill Nomenclature | #8 | DM19AS | DM28AS | DM29AS | DM39AS | DM32AS | DM49AS |
| Minimum Acceptable Outside Pole Dimension | | | | | | | |
| SPA | #8 | 2-7/8" | 2-7/8" | 3.5" | 3.5" | | 3.5" |
| RPA | #8 | 2-7/8" | 2-7/8" | 3.5" | 3.5" | 3" | 3.5" |
| SPUMBA | #5 | 2-7/8" | 3" | 4" | 4" | | 4" |
| RPUMBA | #5 | 2-7/8" | 3.5" | 5" | 5" | 3.5" | 5" |

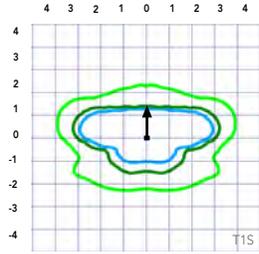
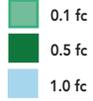
DSX0 Area Luminaire - EPA

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

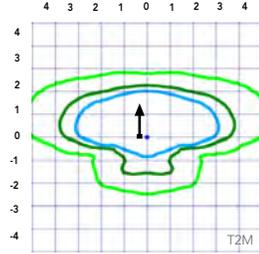
| Fixture Quantity & Mounting Configuration | Single DM19 | 2 @ 180 DM28 | 2 @ 90 DM29 | 3 @ 90 DM39 | 3 @ 120 DM32 | 4 @ 90 DM49 |
|---|-------------|--------------|-------------|-------------|--------------|-------------|
| Mounting Type | | | | | | |
| DSX0 LED | 0.950 | 1.900 | 1.830 | 2.850 | 2.850 | 3.544 |

Isofootcandle plots for the DSX0 LED 40C 1000 40K. Distances are in units of mounting height (20').

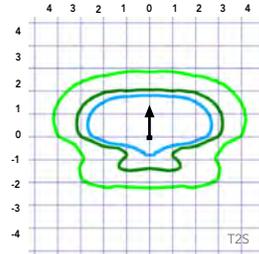
LEGEND



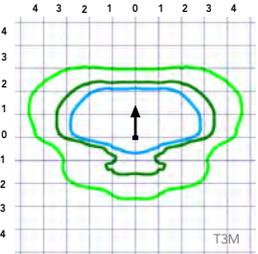
Test No.



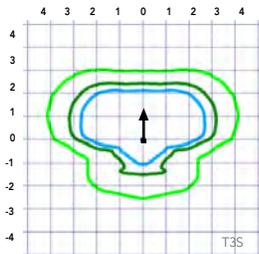
Test No.



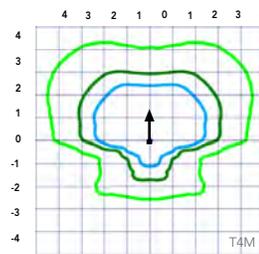
Test No. LTL23457P25 tested in accordance with IESNA LM-79-08.



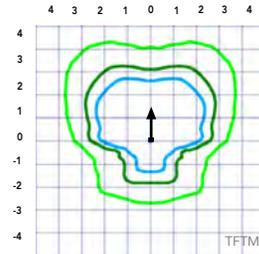
Test No. LTL23457P25 tested in accordance with IESNA LM-79-08.



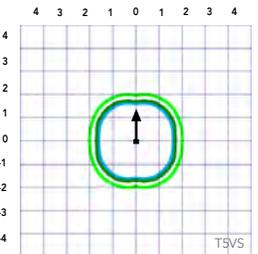
Test No. LTL23457P25 tested in accordance with IESNA LM-79-08.



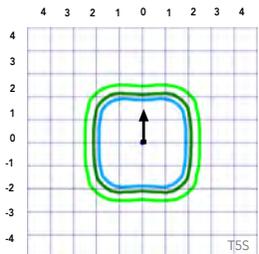
Test No.



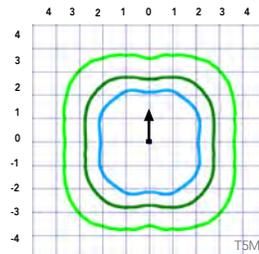
Test No.



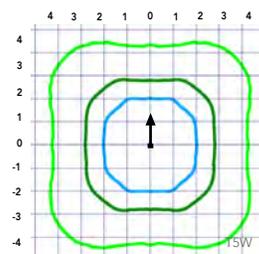
Test No.



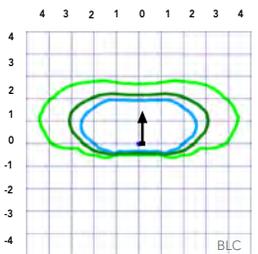
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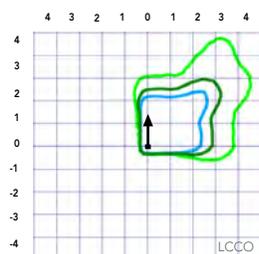
Test No.



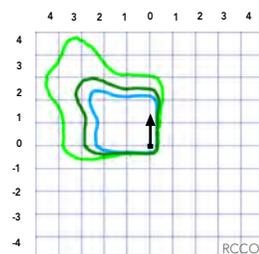
Test No. LTL23451P25 tested in accordance with IESNA LM-79-08.



Test No.



Test No.



Test No.

Performance Data

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 | 1.04 |
| 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°C | 1.00 |
| 30°C | 86°F | 0.99 |
| 35°C | 95°F | 0.98 |
| 40°C | 104°F | 0.97 |

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 | Lumen Maintenance Factor |
|-----------------|--------------------------|
| 25,000 | 0.96 |
| 50,000 | 0.92 |
| 100,000 | 0.85 |

Motion Sensor Default Settings

| Option | Dimmed State | High Level (when triggered) | Photocell Operation | Dwell Time | Ramp-up Time | Ramp-down Time |
|------------------------|-----------------|-----------------------------|---------------------|------------|--------------|----------------|
| PIR or PIRH | 3V (37%) Output | 10V (100%) Output | Enabled @ 5FC | 5 min | 3 sec | 5 min |
| *PIR1FC3V or PIRH1FC3V | 3V (37%) Output | 10V (100%) Output | Enabled @ 1FC | 5 min | 3 sec | 5 min |

*for use with separate Dusk to Dawn or timer.

Electrical Load

| | | | | | Current (A) | | | | | |
|--------------------------------------|---------------------|-----------|---------------|---------|-------------|------|------|------|------|------|
| | Performance Package | LED Count | Drive Current | Wattage | 120 | 208 | 240 | 277 | 347 | 480 |
| Forward Optics (Non-Rotated) | P1 | 20 | 530 | 38 | 0.32 | 0.18 | 0.15 | 0.15 | 0.10 | 0.08 |
| | P2 | 20 | 700 | 49 | 0.41 | 0.23 | 0.20 | 0.19 | 0.14 | 0.11 |
| | P3 | 20 | 1050 | 71 | 0.60 | 0.37 | 0.32 | 0.27 | 0.21 | 0.15 |
| | P4 | 20 | 1400 | 92 | 0.77 | 0.45 | 0.39 | 0.35 | 0.28 | 0.20 |
| | P5 | 40 | 700 | 89 | 0.74 | 0.43 | 0.38 | 0.34 | 0.26 | 0.20 |
| | P6 | 40 | 1050 | 134 | 1.13 | 0.65 | 0.55 | 0.48 | 0.39 | 0.29 |
| | P7 | 40 | 1300 | 166 | 1.38 | 0.80 | 0.69 | 0.60 | 0.50 | 0.37 |
| Rotated Optics (Requires L90 or R90) | P10 | 30 | 530 | 53 | 0.45 | 0.26 | 0.23 | 0.21 | 0.16 | 0.12 |
| | P11 | 30 | 700 | 72 | 0.60 | 0.35 | 0.30 | 0.27 | 0.20 | 0.16 |
| | P12 | 30 | 1050 | 104 | 0.88 | 0.50 | 0.44 | 0.39 | 0.31 | 0.23 |
| | P13 | 30 | 1300 | 128 | 1.08 | 0.62 | 0.54 | 0.48 | 0.37 | 0.27 |

Controls Options

| Nomenclature | Description | Functionality | Primary control device | Notes |
|---------------|---|---|---|--|
| FAO | Field adjustable output device installed inside the luminaire; wired to the driver dimming leads. | Allows the luminaire to be manually dimmed, effectively trimming the light output. | FAO device | Cannot be used with other controls options that need the 0-10V leads |
| DS | Drivers wired independently for 50/50 luminaire operation | The luminaire is wired to two separate circuits, allowing for 50/50 operation. | Independently wired drivers | Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative. |
| PERS or PER7 | Twist-lock photocell receptacle | Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals. | Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM. | Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire |
| PIR or PIRH | Motion sensors with integral photocell. PIR for 8-15' mounting; PIRH for 15-30' mounting | Luminaires dim when no occupancy is detected. | Acuity Controls SBGR | Also available with PIRH1FC3V when the sensor photocell is used for dusk-to-dawn operation. |
| NLTAIR2 PIRHN | nLight AIR enabled luminaire for motion sensing, photocell and wireless communication. | Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclipse. | nLight Air rSDGR | nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app. |

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.

| Forward Optics | | | | | | | | | | | | | | | | | | | |
|----------------|-----------|---------------|--------------|------------|----------------------|---|---|---|-----|----------------------|---|---|---|-----|----------------------|---|---|---|-----|
| Power Package | LED Count | Drive Current | System Watts | Dist. Type | 30K (3000 K, 70 CRI) | | | | | 40K (4000 K, 70 CRI) | | | | | 50K (5000 K, 70 CRI) | | | | |
| | | | | | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW |
| P1 | 20 | 530 | 38W | T1S | 4,369 | 1 | 0 | 1 | 115 | 4,706 | 1 | 0 | 1 | 124 | 4,766 | 1 | 0 | 1 | 125 |
| | | | | T2S | 4,364 | 1 | 0 | 1 | 115 | 4,701 | 1 | 0 | 1 | 124 | 4,761 | 1 | 0 | 1 | 125 |
| | | | | T2M | 4,387 | 1 | 0 | 1 | 115 | 4,726 | 1 | 0 | 1 | 124 | 4,785 | 1 | 0 | 1 | 126 |
| | | | | T3S | 4,248 | 1 | 0 | 1 | 112 | 4,577 | 1 | 0 | 1 | 120 | 4,634 | 1 | 0 | 1 | 122 |
| | | | | T3M | 4,376 | 1 | 0 | 1 | 115 | 4,714 | 1 | 0 | 1 | 124 | 4,774 | 1 | 0 | 1 | 126 |
| | | | | T4M | 4,281 | 1 | 0 | 1 | 113 | 4,612 | 1 | 0 | 2 | 121 | 4,670 | 1 | 0 | 2 | 123 |
| | | | | TFTM | 4,373 | 1 | 0 | 1 | 115 | 4,711 | 1 | 0 | 2 | 124 | 4,771 | 1 | 0 | 2 | 126 |
| | | | | TSVS | 4,548 | 2 | 0 | 0 | 120 | 4,900 | 2 | 0 | 0 | 129 | 4,962 | 2 | 0 | 0 | 131 |
| | | | | T5S | 4,552 | 2 | 0 | 0 | 120 | 4,904 | 2 | 0 | 0 | 129 | 4,966 | 2 | 0 | 0 | 131 |
| | | | | T5M | 4,541 | 3 | 0 | 1 | 120 | 4,891 | 3 | 0 | 1 | 129 | 4,953 | 3 | 0 | 1 | 130 |
| | | | | TSW | 4,576 | 3 | 0 | 2 | 120 | 4,929 | 3 | 0 | 2 | 130 | 4,992 | 3 | 0 | 2 | 131 |
| | | | | BLC | 3,586 | 1 | 0 | 1 | 94 | 3,863 | 1 | 0 | 1 | 102 | 3,912 | 1 | 0 | 1 | 103 |
| | | | | LCCO | 2,668 | 1 | 0 | 1 | 70 | 2,874 | 1 | 0 | 2 | 76 | 2,911 | 1 | 0 | 2 | 77 |
| | | | | RCCO | 2,668 | 1 | 0 | 1 | 70 | 2,874 | 1 | 0 | 2 | 76 | 2,911 | 1 | 0 | 2 | 77 |
| P2 | 20 | 700 | 49W | T1S | 5,570 | 1 | 0 | 1 | 114 | 6,001 | 1 | 0 | 1 | 122 | 6,077 | 2 | 0 | 2 | 124 |
| | | | | T2S | 5,564 | 1 | 0 | 2 | 114 | 5,994 | 1 | 0 | 2 | 122 | 6,070 | 2 | 0 | 2 | 124 |
| | | | | T2M | 5,593 | 1 | 0 | 1 | 114 | 6,025 | 1 | 0 | 1 | 123 | 6,102 | 1 | 0 | 1 | 125 |
| | | | | T3S | 5,417 | 1 | 0 | 2 | 111 | 5,835 | 1 | 0 | 2 | 119 | 5,909 | 2 | 0 | 2 | 121 |
| | | | | T3M | 5,580 | 1 | 0 | 2 | 114 | 6,011 | 1 | 0 | 2 | 123 | 6,087 | 1 | 0 | 2 | 124 |
| | | | | T4M | 5,458 | 1 | 0 | 2 | 111 | 5,880 | 1 | 0 | 2 | 120 | 5,955 | 1 | 0 | 2 | 122 |
| | | | | TFTM | 5,576 | 1 | 0 | 2 | 114 | 6,007 | 1 | 0 | 2 | 123 | 6,083 | 1 | 0 | 2 | 124 |
| | | | | TSVS | 5,799 | 2 | 0 | 0 | 118 | 6,247 | 2 | 0 | 0 | 127 | 6,327 | 2 | 0 | 0 | 129 |
| | | | | T5S | 5,804 | 2 | 0 | 0 | 118 | 6,252 | 2 | 0 | 0 | 128 | 6,332 | 2 | 0 | 1 | 129 |
| | | | | T5M | 5,789 | 3 | 0 | 1 | 118 | 6,237 | 3 | 0 | 1 | 127 | 6,316 | 3 | 0 | 1 | 129 |
| | | | | TSW | 5,834 | 3 | 0 | 2 | 119 | 6,285 | 3 | 0 | 2 | 128 | 6,364 | 3 | 0 | 2 | 130 |
| | | | | BLC | 4,572 | 1 | 0 | 1 | 93 | 4,925 | 1 | 0 | 1 | 101 | 4,987 | 1 | 0 | 1 | 102 |
| | | | | LCCO | 3,402 | 1 | 0 | 2 | 69 | 3,665 | 1 | 0 | 2 | 75 | 3,711 | 1 | 0 | 2 | 76 |
| | | | | RCCO | 3,402 | 1 | 0 | 2 | 69 | 3,665 | 1 | 0 | 2 | 75 | 3,711 | 1 | 0 | 2 | 76 |
| P3 | 20 | 1050 | 71W | T1S | 7,833 | 2 | 0 | 2 | 110 | 8,438 | 2 | 0 | 2 | 119 | 8,545 | 2 | 0 | 2 | 120 |
| | | | | T2S | 7,825 | 2 | 0 | 2 | 110 | 8,429 | 2 | 0 | 2 | 119 | 8,536 | 2 | 0 | 2 | 120 |
| | | | | T2M | 7,865 | 2 | 0 | 2 | 111 | 8,473 | 2 | 0 | 2 | 119 | 8,580 | 2 | 0 | 2 | 121 |
| | | | | T3S | 7,617 | 2 | 0 | 2 | 107 | 8,205 | 2 | 0 | 2 | 116 | 8,309 | 2 | 0 | 2 | 117 |
| | | | | T3M | 7,846 | 2 | 0 | 2 | 111 | 8,452 | 2 | 0 | 2 | 119 | 8,559 | 2 | 0 | 2 | 121 |
| | | | | T4M | 7,675 | 2 | 0 | 2 | 108 | 8,269 | 2 | 0 | 2 | 116 | 8,373 | 2 | 0 | 2 | 118 |
| | | | | TFTM | 7,841 | 2 | 0 | 2 | 110 | 8,447 | 2 | 0 | 2 | 119 | 8,554 | 2 | 0 | 2 | 120 |
| | | | | TSVS | 8,155 | 3 | 0 | 0 | 115 | 8,785 | 3 | 0 | 0 | 124 | 8,896 | 3 | 0 | 0 | 125 |
| | | | | T5S | 8,162 | 3 | 0 | 1 | 115 | 8,792 | 3 | 0 | 1 | 124 | 8,904 | 3 | 0 | 1 | 125 |
| | | | | T5M | 8,141 | 3 | 0 | 2 | 115 | 8,770 | 3 | 0 | 2 | 124 | 8,881 | 3 | 0 | 2 | 125 |
| | | | | TSW | 8,204 | 3 | 0 | 2 | 116 | 8,838 | 4 | 0 | 2 | 124 | 8,950 | 4 | 0 | 2 | 126 |
| | | | | BLC | 6,429 | 1 | 0 | 2 | 91 | 6,926 | 1 | 0 | 2 | 98 | 7,013 | 1 | 0 | 2 | 99 |
| | | | | LCCO | 4,784 | 1 | 0 | 2 | 67 | 5,153 | 1 | 0 | 2 | 73 | 5,218 | 1 | 0 | 2 | 73 |
| | | | | RCCO | 4,784 | 1 | 0 | 2 | 67 | 5,153 | 1 | 0 | 2 | 73 | 5,218 | 1 | 0 | 2 | 73 |
| P4 | 20 | 1400 | 92W | T1S | 9,791 | 2 | 0 | 2 | 106 | 10,547 | 2 | 0 | 2 | 115 | 10,681 | 2 | 0 | 2 | 116 |
| | | | | T2S | 9,780 | 2 | 0 | 2 | 106 | 10,536 | 2 | 0 | 2 | 115 | 10,669 | 2 | 0 | 2 | 116 |
| | | | | T2M | 9,831 | 2 | 0 | 2 | 107 | 10,590 | 2 | 0 | 2 | 115 | 10,724 | 2 | 0 | 2 | 117 |
| | | | | T3S | 9,521 | 2 | 0 | 2 | 103 | 10,256 | 2 | 0 | 2 | 111 | 10,386 | 2 | 0 | 2 | 113 |
| | | | | T3M | 9,807 | 2 | 0 | 2 | 107 | 10,565 | 2 | 0 | 2 | 115 | 10,698 | 2 | 0 | 2 | 116 |
| | | | | T4M | 9,594 | 2 | 0 | 2 | 104 | 10,335 | 2 | 0 | 3 | 112 | 10,466 | 2 | 0 | 3 | 114 |
| | | | | TFTM | 9,801 | 2 | 0 | 2 | 107 | 10,558 | 2 | 0 | 2 | 115 | 10,692 | 2 | 0 | 2 | 116 |
| | | | | TSVS | 10,193 | 3 | 0 | 1 | 111 | 10,981 | 3 | 0 | 1 | 119 | 11,120 | 3 | 0 | 1 | 121 |
| | | | | T5S | 10,201 | 3 | 0 | 1 | 111 | 10,990 | 3 | 0 | 1 | 119 | 11,129 | 3 | 0 | 1 | 121 |
| | | | | T5M | 10,176 | 4 | 0 | 2 | 111 | 10,962 | 4 | 0 | 2 | 119 | 11,101 | 4 | 0 | 2 | 121 |
| | | | | TSW | 10,254 | 4 | 0 | 3 | 111 | 11,047 | 4 | 0 | 3 | 120 | 11,186 | 4 | 0 | 3 | 122 |
| | | | | BLC | 8,036 | 1 | 0 | 2 | 87 | 8,656 | 1 | 0 | 2 | 94 | 8,766 | 1 | 0 | 2 | 95 |
| | | | | LCCO | 5,979 | 1 | 0 | 2 | 65 | 6,441 | 1 | 0 | 2 | 70 | 6,523 | 1 | 0 | 3 | 71 |
| | | | | RCCO | 5,979 | 1 | 0 | 2 | 65 | 6,441 | 1 | 0 | 2 | 70 | 6,523 | 1 | 0 | 3 | 71 |

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.

| Forward Optics | | | | | | | | | | | | | | | | | | | |
|----------------|-----------|---------------|--------------|------------|----------------------|------|------|-----|--------|----------------------|---|---|-----|--------|----------------------|---|---|-----|--------|
| Power Package | LED Count | Drive Current | System Watts | Dist. Type | 30K (3000 K, 70 CRI) | | | | | 40K (4000 K, 70 CRI) | | | | | 50K (5000 K, 70 CRI) | | | | |
| | | | | | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW |
| P5 | 40 | 700 | 89W | T1S | 10,831 | 2 | 0 | 2 | 122 | 11,668 | 2 | 0 | 2 | 131 | 11,816 | 2 | 0 | 2 | 133 |
| | | | | T2S | 10,820 | 2 | 0 | 2 | 122 | 11,656 | 2 | 0 | 2 | 131 | 11,803 | 2 | 0 | 2 | 133 |
| | | | | T2M | 10,876 | 2 | 0 | 2 | 122 | 11,716 | 2 | 0 | 2 | 132 | 11,864 | 2 | 0 | 2 | 133 |
| | | | | T3S | 10,532 | 2 | 0 | 2 | 118 | 11,346 | 2 | 0 | 2 | 127 | 11,490 | 2 | 0 | 2 | 129 |
| | | | | T3M | 10,849 | 2 | 0 | 2 | 122 | 11,687 | 2 | 0 | 2 | 131 | 11,835 | 2 | 0 | 2 | 133 |
| | | | | T4M | 10,613 | 2 | 0 | 3 | 119 | 11,434 | 2 | 0 | 3 | 128 | 11,578 | 2 | 0 | 3 | 130 |
| | | | | TFTM | 10,842 | 2 | 0 | 2 | 122 | 11,680 | 2 | 0 | 2 | 131 | 11,828 | 2 | 0 | 2 | 133 |
| | | | | TSVS | 11,276 | 3 | 0 | 1 | 127 | 12,148 | 3 | 0 | 1 | 136 | 12,302 | 3 | 0 | 1 | 138 |
| | | | | T5S | 11,286 | 3 | 0 | 1 | 127 | 12,158 | 3 | 0 | 1 | 137 | 12,312 | 3 | 0 | 1 | 138 |
| | | | | T5M | 11,257 | 4 | 0 | 2 | 126 | 12,127 | 4 | 0 | 2 | 136 | 12,280 | 4 | 0 | 2 | 138 |
| | | | | T5W | 11,344 | 4 | 0 | 3 | 127 | 12,221 | 4 | 0 | 3 | 137 | 12,375 | 4 | 0 | 3 | 139 |
| | | | | BLC | 8,890 | 1 | 0 | 2 | 100 | 9,576 | 1 | 0 | 2 | 108 | 9,698 | 1 | 0 | 2 | 109 |
| | | | | LCCO | 6,615 | 1 | 0 | 3 | 74 | 7,126 | 1 | 0 | 3 | 80 | 7,216 | 1 | 0 | 3 | 81 |
| | | | | RCCO | 6,615 | 1 | 0 | 3 | 74 | 7,126 | 1 | 0 | 3 | 80 | 7,216 | 1 | 0 | 3 | 81 |
| | | | | P6 | 40 | 1050 | 134W | T1S | 14,805 | 3 | 0 | 3 | 110 | 15,949 | 3 | 0 | 3 | 119 | 16,151 |
| T2S | 14,789 | 3 | 0 | | | | | 3 | 110 | 15,932 | 3 | 0 | 3 | 119 | 16,134 | 3 | 0 | 3 | 120 |
| T2M | 14,865 | 3 | 0 | | | | | 3 | 111 | 16,014 | 3 | 0 | 3 | 120 | 16,217 | 3 | 0 | 3 | 121 |
| T3S | 14,396 | 3 | 0 | | | | | 3 | 107 | 15,509 | 3 | 0 | 3 | 116 | 15,705 | 3 | 0 | 3 | 117 |
| T3M | 14,829 | 2 | 0 | | | | | 3 | 111 | 15,975 | 3 | 0 | 3 | 119 | 16,177 | 3 | 0 | 3 | 121 |
| T4M | 14,507 | 2 | 0 | | | | | 3 | 108 | 15,628 | 3 | 0 | 3 | 117 | 15,826 | 3 | 0 | 3 | 118 |
| TFTM | 14,820 | 2 | 0 | | | | | 3 | 111 | 15,965 | 3 | 0 | 3 | 119 | 16,167 | 3 | 0 | 3 | 121 |
| TSVS | 15,413 | 4 | 0 | | | | | 1 | 115 | 16,604 | 4 | 0 | 1 | 124 | 16,815 | 4 | 0 | 1 | 125 |
| T5S | 15,426 | 3 | 0 | | | | | 1 | 115 | 16,618 | 4 | 0 | 1 | 124 | 16,828 | 4 | 0 | 1 | 126 |
| T5M | 15,387 | 4 | 0 | | | | | 2 | 115 | 16,576 | 4 | 0 | 2 | 124 | 16,786 | 4 | 0 | 2 | 125 |
| T5W | 15,506 | 4 | 0 | | | | | 3 | 116 | 16,704 | 4 | 0 | 3 | 125 | 16,915 | 4 | 0 | 3 | 126 |
| BLC | 12,151 | 1 | 0 | | | | | 2 | 91 | 13,090 | 1 | 0 | 2 | 98 | 13,255 | 1 | 0 | 2 | 99 |
| LCCO | 9,041 | 1 | 0 | | | | | 3 | 67 | 9,740 | 1 | 0 | 3 | 73 | 9,863 | 1 | 0 | 3 | 74 |
| RCCO | 9,041 | 1 | 0 | | | | | 3 | 67 | 9,740 | 1 | 0 | 3 | 73 | 9,863 | 1 | 0 | 3 | 74 |
| P7 | 40 | 1300 | 166W | | | | | T1S | 17,023 | 3 | 0 | 3 | 103 | 18,338 | 3 | 0 | 3 | 110 | 18,570 |
| | | | | T2S | 17,005 | 3 | 0 | 3 | 102 | 18,319 | 3 | 0 | 3 | 110 | 18,551 | 3 | 0 | 3 | 112 |
| | | | | T2M | 17,092 | 3 | 0 | 3 | 103 | 18,413 | 3 | 0 | 3 | 111 | 18,646 | 3 | 0 | 3 | 112 |
| | | | | T3S | 16,553 | 3 | 0 | 3 | 100 | 17,832 | 3 | 0 | 3 | 107 | 18,058 | 3 | 0 | 3 | 109 |
| | | | | T3M | 17,051 | 3 | 0 | 3 | 103 | 18,369 | 3 | 0 | 3 | 111 | 18,601 | 3 | 0 | 3 | 112 |
| | | | | T4M | 16,681 | 3 | 0 | 3 | 100 | 17,969 | 3 | 0 | 3 | 108 | 18,197 | 3 | 0 | 3 | 110 |
| | | | | TFTM | 17,040 | 3 | 0 | 3 | 103 | 18,357 | 3 | 0 | 4 | 111 | 18,590 | 3 | 0 | 4 | 112 |
| | | | | TSVS | 17,723 | 4 | 0 | 1 | 107 | 19,092 | 4 | 0 | 1 | 115 | 19,334 | 4 | 0 | 1 | 116 |
| | | | | T5S | 17,737 | 4 | 0 | 2 | 107 | 19,108 | 4 | 0 | 2 | 115 | 19,349 | 4 | 0 | 2 | 117 |
| | | | | T5M | 17,692 | 4 | 0 | 2 | 107 | 19,059 | 4 | 0 | 2 | 115 | 19,301 | 4 | 0 | 2 | 116 |
| | | | | T5W | 17,829 | 5 | 0 | 3 | 107 | 19,207 | 5 | 0 | 3 | 116 | 19,450 | 5 | 0 | 3 | 117 |
| | | | | BLC | 13,971 | 2 | 0 | 2 | 84 | 15,051 | 2 | 0 | 2 | 91 | 15,241 | 2 | 0 | 2 | 92 |
| | | | | LCCO | 10,396 | 1 | 0 | 3 | 63 | 11,199 | 1 | 0 | 3 | 67 | 11,341 | 1 | 0 | 3 | 68 |
| | | | | RCCO | 10,396 | 1 | 0 | 3 | 63 | 11,199 | 1 | 0 | 3 | 67 | 11,341 | 1 | 0 | 3 | 68 |

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.

| Rotated Optics | | | | | | | | | | | | | | | | | | | |
|----------------|-----------|---------------|--------------|------------|----------------------|---|---|---|-----|----------------------|---|---|---|-----|----------------------|---|---|---|-----|
| Power Package | LED Count | Drive Current | System Watts | Dist. Type | 30K (3000 K, 70 CRI) | | | | | 40K (4000 K, 70 CRI) | | | | | 50K (5000 K, 70 CRI) | | | | |
| | | | | | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW |
| P10 | 30 | 530 | 53W | T1S | 6,727 | 2 | 0 | 2 | 127 | 7,247 | 3 | 0 | 3 | 137 | 7,339 | 3 | 0 | 3 | 138 |
| | | | | T2S | 6,689 | 3 | 0 | 3 | 126 | 7,205 | 3 | 0 | 3 | 136 | 7,297 | 3 | 0 | 3 | 138 |
| | | | | T2M | 6,809 | 3 | 0 | 3 | 128 | 7,336 | 3 | 0 | 3 | 138 | 7,428 | 3 | 0 | 3 | 140 |
| | | | | T3S | 6,585 | 3 | 0 | 3 | 124 | 7,094 | 3 | 0 | 3 | 134 | 7,183 | 3 | 0 | 3 | 136 |
| | | | | T3M | 6,805 | 3 | 0 | 3 | 128 | 7,331 | 3 | 0 | 3 | 138 | 7,424 | 3 | 0 | 3 | 140 |
| | | | | T4M | 6,677 | 3 | 0 | 3 | 126 | 7,193 | 3 | 0 | 3 | 136 | 7,284 | 3 | 0 | 3 | 137 |
| | | | | TFTM | 6,850 | 3 | 0 | 3 | 129 | 7,379 | 3 | 0 | 3 | 139 | 7,472 | 3 | 0 | 3 | 141 |
| | | | | TSVS | 6,898 | 3 | 0 | 0 | 130 | 7,431 | 3 | 0 | 0 | 140 | 7,525 | 3 | 0 | 0 | 142 |
| | | | | T5S | 6,840 | 2 | 0 | 1 | 129 | 7,368 | 2 | 0 | 1 | 139 | 7,461 | 2 | 0 | 1 | 141 |
| | | | | TSM | 6,838 | 3 | 0 | 1 | 129 | 7,366 | 3 | 0 | 2 | 139 | 7,460 | 3 | 0 | 2 | 141 |
| | | | | TSW | 6,777 | 3 | 0 | 2 | 128 | 7,300 | 3 | 0 | 2 | 138 | 7,393 | 3 | 0 | 2 | 139 |
| | | | | BLC | 5,626 | 2 | 0 | 2 | 106 | 6,060 | 2 | 0 | 2 | 114 | 6,137 | 2 | 0 | 2 | 116 |
| | | | | LCCO | 4,018 | 1 | 0 | 2 | 76 | 4,328 | 1 | 0 | 2 | 82 | 4,383 | 1 | 0 | 2 | 83 |
| | | | | RCCO | 4,013 | 3 | 0 | 3 | 76 | 4,323 | 3 | 0 | 3 | 82 | 4,377 | 3 | 0 | 3 | 83 |
| P11 | 30 | 700 | 72W | T1S | 8,594 | 3 | 0 | 3 | 119 | 9,258 | 3 | 0 | 3 | 129 | 9,376 | 3 | 0 | 3 | 130 |
| | | | | T2S | 8,545 | 3 | 0 | 3 | 119 | 9,205 | 3 | 0 | 3 | 128 | 9,322 | 3 | 0 | 3 | 129 |
| | | | | T2M | 8,699 | 3 | 0 | 3 | 121 | 9,371 | 3 | 0 | 3 | 130 | 9,490 | 3 | 0 | 3 | 132 |
| | | | | T3S | 8,412 | 3 | 0 | 3 | 117 | 9,062 | 3 | 0 | 3 | 126 | 9,177 | 3 | 0 | 3 | 127 |
| | | | | T3M | 8,694 | 3 | 0 | 3 | 121 | 9,366 | 3 | 0 | 3 | 130 | 9,484 | 3 | 0 | 3 | 132 |
| | | | | T4M | 8,530 | 3 | 0 | 3 | 118 | 9,189 | 3 | 0 | 3 | 128 | 9,305 | 3 | 0 | 3 | 129 |
| | | | | TFTM | 8,750 | 3 | 0 | 3 | 122 | 9,427 | 3 | 0 | 3 | 131 | 9,546 | 3 | 0 | 3 | 133 |
| | | | | TSVS | 8,812 | 3 | 0 | 0 | 122 | 9,493 | 3 | 0 | 0 | 132 | 9,613 | 3 | 0 | 0 | 134 |
| | | | | T5S | 8,738 | 3 | 0 | 1 | 121 | 9,413 | 3 | 0 | 1 | 131 | 9,532 | 3 | 0 | 1 | 132 |
| | | | | TSM | 8,736 | 3 | 0 | 2 | 121 | 9,411 | 3 | 0 | 2 | 131 | 9,530 | 3 | 0 | 2 | 132 |
| | | | | TSW | 8,657 | 4 | 0 | 2 | 120 | 9,326 | 4 | 0 | 2 | 130 | 9,444 | 4 | 0 | 2 | 131 |
| | | | | BLC | 7,187 | 3 | 0 | 3 | 100 | 7,742 | 3 | 0 | 3 | 108 | 7,840 | 3 | 0 | 3 | 109 |
| | | | | LCCO | 5,133 | 1 | 0 | 2 | 71 | 5,529 | 1 | 0 | 2 | 77 | 5,599 | 1 | 0 | 2 | 78 |
| | | | | RCCO | 5,126 | 3 | 0 | 3 | 71 | 5,522 | 3 | 0 | 3 | 77 | 5,592 | 3 | 0 | 3 | 78 |
| P12 | 30 | 1050 | 104W | T1S | 12,149 | 3 | 0 | 3 | 117 | 13,088 | 3 | 0 | 3 | 126 | 13,253 | 3 | 0 | 3 | 127 |
| | | | | T2S | 12,079 | 4 | 0 | 4 | 116 | 13,012 | 4 | 0 | 4 | 125 | 13,177 | 4 | 0 | 4 | 127 |
| | | | | T2M | 12,297 | 3 | 0 | 3 | 118 | 13,247 | 3 | 0 | 3 | 127 | 13,415 | 3 | 0 | 3 | 129 |
| | | | | T3S | 11,891 | 4 | 0 | 4 | 114 | 12,810 | 4 | 0 | 4 | 123 | 12,972 | 4 | 0 | 4 | 125 |
| | | | | T3M | 12,290 | 3 | 0 | 3 | 118 | 13,239 | 4 | 0 | 4 | 127 | 13,407 | 4 | 0 | 4 | 129 |
| | | | | T4M | 12,058 | 4 | 0 | 4 | 116 | 12,990 | 4 | 0 | 4 | 125 | 13,154 | 4 | 0 | 4 | 126 |
| | | | | TFTM | 12,369 | 4 | 0 | 4 | 119 | 13,325 | 4 | 0 | 4 | 128 | 13,494 | 4 | 0 | 4 | 130 |
| | | | | TSVS | 12,456 | 3 | 0 | 1 | 120 | 13,419 | 3 | 0 | 1 | 129 | 13,589 | 4 | 0 | 1 | 131 |
| | | | | T5S | 12,351 | 3 | 0 | 1 | 119 | 13,306 | 3 | 0 | 1 | 128 | 13,474 | 3 | 0 | 1 | 130 |
| | | | | TSM | 12,349 | 4 | 0 | 2 | 119 | 13,303 | 4 | 0 | 2 | 128 | 13,471 | 4 | 0 | 2 | 130 |
| | | | | TSW | 12,238 | 4 | 0 | 3 | 118 | 13,183 | 4 | 0 | 3 | 127 | 13,350 | 4 | 0 | 3 | 128 |
| | | | | BLC | 10,159 | 3 | 0 | 3 | 98 | 10,944 | 3 | 0 | 3 | 105 | 11,083 | 3 | 0 | 3 | 107 |
| | | | | LCCO | 7,256 | 1 | 0 | 3 | 70 | 7,816 | 1 | 0 | 3 | 75 | 7,915 | 1 | 0 | 3 | 76 |
| | | | | RCCO | 7,246 | 3 | 0 | 3 | 70 | 7,806 | 4 | 0 | 4 | 75 | 7,905 | 4 | 0 | 4 | 76 |
| P13 | 30 | 1300 | 128W | T1S | 14,438 | 3 | 0 | 3 | 113 | 15,554 | 3 | 0 | 3 | 122 | 15,751 | 3 | 0 | 3 | 123 |
| | | | | T2S | 14,355 | 4 | 0 | 4 | 112 | 15,465 | 4 | 0 | 4 | 121 | 15,660 | 4 | 0 | 4 | 122 |
| | | | | T2M | 14,614 | 3 | 0 | 3 | 114 | 15,744 | 4 | 0 | 4 | 123 | 15,943 | 4 | 0 | 4 | 125 |
| | | | | T3S | 14,132 | 4 | 0 | 4 | 110 | 15,224 | 4 | 0 | 4 | 119 | 15,417 | 4 | 0 | 4 | 120 |
| | | | | T3M | 14,606 | 4 | 0 | 4 | 114 | 15,735 | 4 | 0 | 4 | 123 | 15,934 | 4 | 0 | 4 | 124 |
| | | | | T4M | 14,330 | 4 | 0 | 4 | 112 | 15,438 | 4 | 0 | 4 | 121 | 15,633 | 4 | 0 | 4 | 122 |
| | | | | TFTM | 14,701 | 4 | 0 | 4 | 115 | 15,836 | 4 | 0 | 4 | 124 | 16,037 | 4 | 0 | 4 | 125 |
| | | | | TSVS | 14,804 | 4 | 0 | 1 | 116 | 15,948 | 4 | 0 | 1 | 125 | 16,150 | 4 | 0 | 1 | 126 |
| | | | | T5S | 14,679 | 3 | 0 | 1 | 115 | 15,814 | 3 | 0 | 1 | 124 | 16,014 | 3 | 0 | 1 | 125 |
| | | | | TSM | 14,676 | 4 | 0 | 2 | 115 | 15,810 | 4 | 0 | 2 | 124 | 16,010 | 4 | 0 | 2 | 125 |
| | | | | TSW | 14,544 | 4 | 0 | 3 | 114 | 15,668 | 4 | 0 | 3 | 122 | 15,866 | 4 | 0 | 3 | 124 |
| | | | | BLC | 7919 | 3 | 0 | 3 | 62 | 8531 | 3 | 0 | 3 | 67 | 8639 | 3 | 0 | 3 | 67 |
| | | | | LCCO | 5145 | 1 | 0 | 2 | 40 | 5543 | 1 | 0 | 2 | 43 | 5613 | 1 | 0 | 2 | 44 |
| | | | | RCCO | 5139 | 3 | 0 | 3 | 40 | 5536 | 3 | 0 | 3 | 43 | 5606 | 3 | 0 | 3 | 44 |

FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 0 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and pedestrian areas.

CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (0.95 ft²) for optimized pole wind loading.

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 a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in 3000 K, 4000 K or 5000 K (70 CRI) configurations. The D-Series Size 0 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(s) configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L85/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS

The DSX0 LED area luminaire has a number of control options. DSX Size 0, comes standard with 0-10V dimming driver. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensors with on-board photocells feature field-adjustable programming and are suitable for mounting heights up to 30 feet.

nLIGHT AIR CONTROLS

The DSX0 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 and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once 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

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 0 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 0 utilizes the AERIS™ series pole drilling pattern (template #8). Optional terminal block and NEMA photocontrol receptacle are also available.

LISTINGS

UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C to 50°C ambient with HA option. U.S. Patent No. D672,492 S. International patent pending.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

WARRANTY

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/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.



DESCRIPTION

The LuxeScape Collection presents a contemporary, architectural dayform providing superior uniformity and efficient illumination. Designed to enhance urban spaces with beautiful visual appearances and integral control solutions, LuxeScape integrates into any environment while providing high visibility by utilizing industry-leading WaveStream™ LED optics.

| | | |
|--------------------|--|-------------|
| Catalog # | | Type |
| Project | | |
| Comments | | Date |
| Prepared by | | |

SPECIFICATION FEATURES

Construction

Housing assembly is IP66 rated and cast from low copper content corrosion resistant aluminum, maintaining strength and precision to sustain long term dayform appearance. 3G rated construction avoids damages from installation generated vibration. Corrosion-resistant color matching hardware are minimized to enhance appearance.

Optics

Designed for complex site or pedestrian applications, WaveStream™ LED optical waveguide technology produces both symmetric NEMA Type V and asymmetric NEMA III, IV distributions. The waveguide is manufactured from precision injection molded acrylic delivering visual comfort and optically controlled illumination for improved glare control. Luminaire efficacy measures in excess of 100 lm/W for 4000K (+/- 275K) CCT at 70 CRI (min). Optional 3000K CCT at 70 CRI or 3000K CCT at 80 CRI also available.

Electrical

LED drivers are uniquely positioned and mounted for

maximum thermal performance and extended life. Standard 0-10V dimming drivers and surge protection module are designed to withstand 10kV of transient line surge. Drivers operate at 120-277V 50/60Hz with 347V 60Hz or 480V 60Hz operation optional. Suitable for ambient temperature applications as low as -40°C (40°F) to 40°C (104°F). High ambient options available allow for 50°C operation.

Controls

Control options are designed to be simple, cost-effective, energy code, and regulation compliant solutions featuring WaveLinX. See control options page for more details.

Mounting

Invue's aluminum round decorative pole (ARP) offering provides a seamless transition and compliments the contemporary design architecture with its unique sleek taper and base design. The tenon mount pole comes standard with an access door feature integrated into the base.

Arm Mount

The integrated aluminum contemporary upsweep arm is bolted directly to the pole using

an "N" drill pattern. Provides a seamless transition to a 4" or 5" round pole.

Spider & Cantilever Mount

Fitter assembly mounts over 3" O.D. tenon and can be adapted to a 2-3/8" tenon. It is secured via concealed, corrosion resistant set screw and jam screw pairs in six inconspicuous locations. Fitter design provides seamless transition to 4" O.D. round pole top. Optional mounting accessories include a twin arm mount and wall mount arm.

Finish

Cooper Lighting Solutions utilizes premium ultra-weatherable TGIC based polyester powder coatings specifically formulated to withstand extended outdoor exposure while providing decorative appeal. Finish is compliant to 3,000 hour salt spray standard (per ASTM B117). RAL and custom color matches available.

Warranty

Five-year warranty.



LXS LUXESCAPE COLLECTION

DECORATIVE LUMINAIRE

CERTIFICATION DATA

UL/cUL Listed
FCC Class A
IEC 60529 IP66 Housing
ANSI C136.31 3G Vibration
ASTM A356.0 Low Copper Alloy
ASTM B117 Salt Spray Tested
RoHS
ISO 9001
DesignLights Consortium® Qualified*
IDA certified (3000K CCT and warmer only)

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V 50/60Hz, 347V 60Hz, 480V 60Hz
40°C Ambient Temperature Rating
As low as -40°C (-40°F) minimum temperature
*See MINIMUM TEMPERATURE table

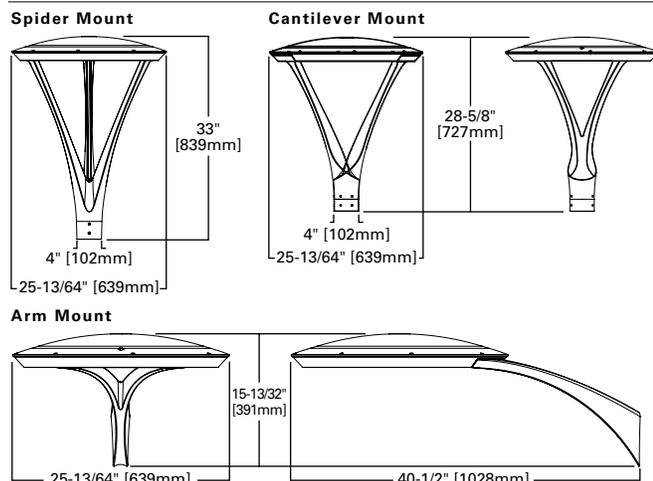
EPA

Effective Projected Area: (Sq. Ft.)
Arm Mount: 1.0
Cantilever Mount: 1.3
Spider Mount: 1.6

SHIPPING DATA

Approximate Net Weight:
Arm Mount Weight: 41 lbs. [18.6 kgs.]
Cantilever Mount Weight: 46 lbs. [20.8 kgs.]
Spider Mount Weight: 53 lbs. [24 kgs.]

DIMENSIONS



CERTIFICATIONS



ORDERING INFORMATION

Sample Number: LXS-VA3-LED-D1-T2-GM-S

| Product Family ^{1,2} | Optic Type | Lumen Package ³ | CRI/CCT | Voltage | Distribution ⁷ | Mounting | Finish |
|-------------------------------|-------------------------------|---|--|---|---|---|--|
| LXS=LuxeScape Collection | VA=Visual Comfort / WaveStrea | 1=Nominal 2,300 Lumens 2=Nominal 4,500 Lumens 3=Nominal 8,500 Lumens 4=Nominal 9,500 Lumens ⁴ | 730=70 CRI / 3000K 740=70 CRI / 4000K 830=70 CRI / 3000K | U=120-277 1=120 2=208 3=240 4=277 8=480 ^{5,6} 9=347 ⁵ | ASC=Asymmetric Curbline ⁸ ASW=Asymmetric Wide ⁹ AST=Asymmetric Transverse ⁹ SYM=Symmetric Round ¹⁰ | A=Arm Mount S=Spider Mount C=Cantilever Mount | AP=Grey BK=Black BZ=Bronze DP=Dark Platinum GM=Graphite Metallic WH=White RALXX=Custom Color ¹¹ |

| Options (Add as Suffix) | Accessories (Order Separately) ²⁰ |
|--|---|
| <p>F=Single Fuse ¹² FF=Double Fuse ¹³ X=Driver Surge only 10MSP=10K MOV Surge Protective Device 20MSP=20kV MOV Surge Protective Device 20K=20kV UL 1449 Fused Surge Protective Device DIM=External 0-10V Dimming Leads ¹⁴ HA=50°C High Ambient Temperature ¹⁵ VS=Vandal Shield ¹⁶ MUSA=Final Assembly in the USA ¹⁷ CC=Coastal Construction ¹⁸ DALI=DALI Driver ¹⁹ BPC=Button Type Photocontrol ²⁰ PR=NEMA 3-PIN Twistlock Photocontrol Receptacle ²¹ PR7=NEMA 7-PIN Twistlock Photocontrol Receptacle ²¹ PC=Twistlock NEMA Photocontrol LLPC=Long Life Twistlock NEMA Photocontrol SC=Shorting Cap MS-L08=Motion Sensor for ON/OFF Operation, Up to 8' Mounting Height ^{22,23,24}</p> | <p>MS-L20=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height ^{22,23,25} MS-L40W=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height ^{22,23,26} MS/DIM-L08=Motion Sensor for Dimming Operation, Up to 8' Mounting Height ^{22,23,24} MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height ^{22,23,25} MS/DIM-L40W=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height ^{22,23,26} ZW=Wavelinx-enabled 4-PIN Twistlock Receptacle and shorting cap installed ^{27,28} ZW-SWPD4WH=Wavelinx Wireless Sensor, 7' - 15' Mounting Height, White ^{27,28} ZW-SWPD5WH=Wavelinx Wireless Sensor, 15' - 40' Mounting Height, White ^{27,28} ZD=DALI Digital operated 4pin connector, using SR Driver within a luminaire only and shorting cap installed ^{27,28} ZD-SWPD4WH=Wavelinx DALI Digital SR Driver, Wireless Sensor, 7' - 15' Mounting Height, White ^{27,28} ZD-SWPD5WH=Wavelinx DALI Digital SR Driver, Wireless Sensor, 15' - 40' Mounting Height, White ^{27,28} DIM10=Synapse Integrated Control Module</p> |
| <p>MS-L20=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height ^{22,23,25} MS-L40W=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height ^{22,23,26} MS/DIM-L08=Motion Sensor for Dimming Operation, Up to 8' Mounting Height ^{22,23,24} MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height ^{22,23,25} MS/DIM-L40W=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height ^{22,23,26} ZW=Wavelinx-enabled 4-PIN Twistlock Receptacle and shorting cap installed ^{27,28} ZW-SWPD4WH=Wavelinx Wireless Sensor, 7' - 15' Mounting Height, White ^{27,28} ZW-SWPD5WH=Wavelinx Wireless Sensor, 15' - 40' Mounting Height, White ^{27,28} ZD=DALI Digital operated 4pin connector, using SR Driver within a luminaire only and shorting cap installed ^{27,28} ZD-SWPD4WH=Wavelinx DALI Digital SR Driver, Wireless Sensor, 7' - 15' Mounting Height, White ^{27,28} ZD-SWPD5WH=Wavelinx DALI Digital SR Driver, Wireless Sensor, 15' - 40' Mounting Height, White ^{27,28} DIM10=Synapse Integrated Control Module</p> | <p>FSIR-100=Wireless Configuration Tool for Occupancy Sensor ²⁹ WOLC-7P-10A=WaveLinX Outdoor Control Module (7-PIN) ³⁰ ARPA2=2-3/8" O.D. Tenon Sleeve Adapter ³¹ VA6028-XX=Twinn Mount Arm (EPA 1.36 sq.ft.) ^{31,32} VA6029-XX=Wall Mount Arm ^{31,32} MA1036-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon ³² MA1037-XX=2 @ 180° Tenon Adapter for 2-3/8" O.D. Tenon ³² MA1197-XX=3 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon ³² MA1188-XX=4 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon ³² MA1189-XX=2 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon ³² MA1190-XX=3 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon ³² MA1191-XX=2 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon ³² MA1038-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon ³² MA1039-XX=2 @ 180° Tenon Adapter for 3-1/2" O.D. Tenon ³² MA1192-XX=3 @ 120° Tenon Adapter for 3-1/2" O.D. Tenon ³² MA1193-XX=4 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon ³² MA1194-XX=2 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon ³² MA1195-XX=3 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon ³² SWPD4-WH=Wavelinx Wireless Sensor, 7' - 15' Mounting Height, White ^{27,28,33} SWPD5-WH=Wavelinx Wireless Sensor, 15' - 40' Mounting Height, White ^{27,28,33}</p> |

NOTES:
 1. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information. 2. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. 3. Lumens are nominal. See lumen table for more information. 4. 9,500 Lumen package available only on SYM distribution. 5. Requires the use of a step-down transformer. 6. Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems). 7. Mounting alters distribution, refer to table. 8. NEMA Type III typical. 9. NEMA Type IV typical. 10. NEMA Type V typical. 11. Specify RAL number for Custom Color. Custom color matching available upon request. Consult your lighting representative at Cooper Lighting Solutions for more information. 12. Must specify voltage (120V, 277V, or 347V) to fuse the single hot leg. 13. Must specify voltage (208V, 240V, or 480V) to fuse the both hot legs. 14. Low voltage control leads brought out 18" outside fixture. Not available with control options. 15. Not available in VA3 with Type ASC, ASW and AST distributions. 16. Reduce total lumens by a 0.95 multiplier to accommodate losses. 17. This designates the option for final assembly performed within the USA and USA territories. This is not intended to address all the Federal Acquisition Regulation (FAR) and Defense Federal Acquisition Regulation (DFAR) clauses. 18. Post-coating over the primary finish providing 7,000+ salt spray hours. Extended lead-times can be 4 -10 additional weeks. 19. Only available with VA3 and VA4 lumen packages. 20. Not available with MS-LXX, MS/DIM-LXX, or 347V or 480V options. 21. Not available with MS-LXX, MS/DIM-LXX, or 347V or 480V options. 22. Not available with HA option. 23. The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Cooper Lighting Solutions for more information. 24. Approximately 22" detection diameter at 8' mounting height. 25. Approximately 40" detection diameter at 20' mounting height. 26. Approximately 100' detection diameter at 40' mounting height. 27. Cannot be used in conjunction with photocontrol or other controls systems (BPC, PR, PR7, MS). 28. NWAC Gateway required to enable field-configurability. Order WAC-POE and WPOE-120 (10V to POE injector) power supply if needed. Only compatible with WaveLinX system and software and requires system components to be installed for operation. See website for more WaveLinX application information. 29. This tool enables adjustment of parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Cooper Lighting Solutions for more information. 30. Requires 7-PIN NEMA twistlock photocontrol receptacle. WOLC-7P-10A cannot be used in conjunction with additional sensors or controls. 31. Not vibration rated at this time. Consult your lighting representative at Cooper Lighting Solutions for more information. 32. Replace XX with color designation. 33. Requires ZW or ZD.

ARP ORDERING INFORMATION (ALUMINUM DECORATIVE POLE)

SAMPLE NUMBER: ARP5L310ABZ2

| Product Family | Shaft Size (Inches) ¹ | Wall Thickness (Inches) | Pole Top Diameter (Inches) | Mounting Height (Feet) | Base Type | Finish | Mounting Type | Number and Location of Arms | Options (Add as Suffix) |
|---------------------------------------|----------------------------------|-------------------------|--|---|--------------------------------|---|--|-----------------------------|--|
| ARP=Aluminum Round Tapered Decorative | 5=5" | L=0.156" M=0.188" | 3=3" O.D. ² 6=4" O.D. ³ | 10=10' 12=12' 14=14' 16=16' ⁴ 18=18' ⁴ 22=22' ⁴ | A=Aluminum (Round 4-Bolt Pole) | AP=Grey BA=Anodized Bronze BK=Black BZ=Bronze CA=Anodized Clear DA=Anodized Black DP=Dark Platinum GM=Graphite Metallic GN=Hartford Green WH=White | 2=2-3/8" O.D. Tenon (4" Long) 5=3" O.D. Tenon (4" Long) | X=None | C=Convenience Outlet ⁵ E=GFCl Convenience Outlet ⁵ G=Ground Lug V=Vibration Dampener ⁴ |

NOTES 1 All shaft sizes nominal. 2 Provides 3" O.D. pole top suited for Arbor Post Top. 3 Provides 4" O.D. pole top suited for LuxeScape post tops. 4 Vibration damper recommended over 18 feet add suffix "V" to catalog number. 5 Specify outlet location. Receptacle not included, provision only.

POWER AND LUMENS

| Lumen Package | | | VA1 | VA2 | VA3 | VA4 | |
|----------------------------------|----------------------------|----------------------------------|-----------------|----------|----------|----------|----|
| Drive Current | | | | | | | |
| Power Wattage (Watts)* | | | 24W | 48W | 96W | 99W | |
| Input Current (mA) @ 120V | | | 200 | 400 | 800 | 830 | |
| Input Current (mA) @ 277V | | | 90 | 180 | 350 | 360 | |
| Power Wattage (Watts)* | | | 28W | 55W | 114W | 108W | |
| Input Current (mA) @ 347V | | | 79 | 161 | 325 | 328 | |
| Input Current (mA) @ 480V | | | 58 | 117 | 235 | 237 | |
| CRI/CCT (Nominal) | Mounting | Distribution | | | | | |
| 730: 70CRI/3000K | A: Arm | ASC: Asymmetric Curbline | Lumens | 1,949 | 3,740 | 6,730 | -- |
| | | | Lumens per Watt | 81.2 | 77.9 | 68.0 | -- |
| | | | BUG Rating | B1-U0-G1 | B2-U0-G2 | B3-U0-G3 | -- |
| | | | NEMA Type | III | III | III | -- |
| | | ASW: Asymmetric Wide | Lumens | 2,323 | 4,458 | 8,022 | -- |
| | | | Lumens per Watt | 96.8 | 92.9 | 81.0 | -- |
| | | | BUG Rating | B1-U0-G1 | B1-U0-G2 | B2-U0-G3 | -- |
| | | | NEMA Type | IV | IV | IV | -- |
| | | AST: Asymmetric Transverse | Lumens | 2,400 | 4,607 | 8,291 | -- |
| | | | Lumens per Watt | 100.0 | 96.0 | 83.7 | -- |
| | | | BUG Rating | B1-U0-G1 | B1-U0-G2 | B2-U0-G3 | -- |
| | | | NEMA Type | IV | IV | IV | -- |
| | SYM: Symmetric Round | Lumens | 2,485 | 4,958 | 9,111 | 10,571 | |
| | | Lumens per Watt | 118.3 | 120.9 | 105.9 | 110.1 | |
| | | BUG Rating | B2-U0-G1 | B3-U0-G2 | B3-U0-G2 | B4-U0-G3 | |
| | | NEMA Type | V | V | V | V | |
| | S: Spider Mount | ASC: Asymmetric Curbline | Lumens | 1,780 | 3,417 | 6,148 | -- |
| | | | Lumens per Watt | 74.2 | 71.2 | 62.1 | -- |
| | | | BUG Rating | B1-U1-G1 | B2-U1-G2 | B3-U1-G3 | -- |
| | | | NEMA Type | III | III | III | -- |
| | | ASW: Asymmetric Wide | Lumens | 2,097 | 4,024 | 7,242 | -- |
| | | | Lumens per Watt | 87.4 | 83.8 | 73.2 | -- |
| | | | BUG Rating | B1-U1-G1 | B1-U1-G2 | B2-U1-G2 | -- |
| | | | NEMA Type | III | III | III | -- |
| AST: Asymmetric Transverse | | Lumens | 2,198 | 4,218 | 7,590 | -- | |
| | | Lumens per Watt | 91.6 | 87.9 | 76.7 | -- | |
| | | BUG Rating | B1-U1-G1 | B1-U1-G2 | B2-U1-G3 | -- | |
| | | NEMA Type | IV | IV | IV | -- | |
| SYM: Symmetric Round | Lumens | 2,305 | 4,600 | 8,452 | 9,807 | | |
| | Lumens per Watt | 109.8 | 112.2 | 98.3 | 102.2 | | |
| | BUG Rating | B2-U1-G1 | B3-U1-G2 | B3-U2-G2 | B4-U2-G3 | | |
| | NEMA Type | V | V | V | V | | |

POWER AND LUMENS

| Lumen Package | | | VA1 | VA2 | VA3 | VA4 | |
|-------------------|----------------------------|----------------------------------|-----------------|----------|----------|----------|----|
| CRI/CCT (Nominal) | Mounting | Distribution | | | | | |
| 730: 70CRI/3000K | C: Cantilever Mount | ASC: Asymmetric Curbline | Lumens | 1,857 | 3,564 | 6,414 | -- |
| | | | Lumens per Watt | 77.4 | 74.3 | 64.8 | -- |
| | | | BUG Rating | B1-U1-G1 | B2-U1-G2 | B3-U1-G3 | -- |
| | | | NEMA Type | III | III | III | -- |
| | | ASW: Asymmetric Wide | Lumens | 2,213 | 4,248 | 7,645 | -- |
| | | | Lumens per Watt | 92.2 | 88.5 | 77.2 | -- |
| | | | BUG Rating | B1-U1-G1 | B1-U1-G2 | B2-U1-G3 | -- |
| | | | NEMA Type | IV | IV | IV | -- |
| | | AST: Asymmetric Transverse | Lumens | 2,324 | 4,460 | 8,025 | -- |
| | | | Lumens per Watt | 96.8 | 92.9 | 81.1 | -- |
| | | | BUG Rating | B1-U1-G1 | B1-U1-G2 | B2-U1-G3 | -- |
| | | | NEMA Type | IV | IV | IV | -- |
| | SYM: Symmetric Round | Lumens | 2,342 | 4,674 | 8,588 | 9,965 | |
| | | Lumens per Watt | 111.5 | 114.0 | 99.9 | 103.8 | |
| | | BUG Rating | B2-U1-G1 | B3-U1-G2 | B3-U2-G2 | B4-U2-G3 | |
| | | NEMA Type | V | V | V | V | |
| 740: 70CRI/4000K | A: Arm | ASC: Asymmetric Curbline | Lumens | 2,105 | 4,040 | 7,270 | -- |
| | | | Lumens per Watt | 87.7 | 84.2 | 73.4 | -- |
| | | | BUG Rating | B1-U0-G1 | B2-U0-G2 | B3-U0-G3 | -- |
| | | | NEMA Type | III | III | III | -- |
| | | ASW: Asymmetric Wide | Lumens | 2,509 | 4,816 | 8,666 | -- |
| | | | Lumens per Watt | 104.5 | 100.3 | 87.5 | -- |
| | | | BUG Rating | B1-U0-G1 | B1-U0-G2 | B2-U0-G3 | -- |
| | | | NEMA Type | IV | IV | IV | -- |
| | | AST: Asymmetric Transverse | Lumens | 2,593 | 4,977 | 8,956 | -- |
| | | | Lumens per Watt | 108.0 | 103.7 | 90.5 | -- |
| | | | BUG Rating | B1-U0-G1 | B2-U0-G2 | B2-U0-G3 | -- |
| | | | NEMA Type | IV | IV | IV | -- |
| | SYM: Symmetric Round | Lumens | 2,684 | 5,356 | 9,842 | 11,420 | |
| | | Lumens per Watt | 127.8 | 130.6 | 114.4 | 119.0 | |
| | | BUG Rating | B2-U0-G1 | B3-U0-G2 | B3-U0-G3 | B4-U0-G3 | |
| | | NEMA Type | V | V | V | V | |

POWER AND LUMENS

| Lumen Package | | | VA1 | VA2 | VA3 | VA4 | |
|----------------------------|----------------------|----------------------------|-----------------|----------|----------|----------|----|
| CRI/CCT (Nominal) | Mounting | Distribution | | | | | |
| 740: 70CRI/4000K | S: Spider Mount | ASC: Asymmetric Curbline | Lumens | 1,923 | 3,691 | 6,642 | -- |
| | | | Lumens per Watt | 80.1 | 76.9 | 67.1 | -- |
| | | | BUG Rating | B1-U1-G1 | B2-U1-G2 | B3-U1-G3 | -- |
| | | | NEMA Type | III | III | III | -- |
| | | ASW: Asymmetric Wide | Lumens | 2,265 | 4,347 | 7,823 | -- |
| | | | Lumens per Watt | 94.4 | 90.6 | 79.0 | -- |
| | | | BUG Rating | B1-U1-G1 | B1-U1-G2 | B2-U1-G2 | -- |
| | | | NEMA Type | III | III | III | -- |
| | | AST: Asymmetric Transverse | Lumens | 2,374 | 4,557 | 8,200 | -- |
| | | | Lumens per Watt | 98.9 | 94.9 | 82.8 | -- |
| | | | BUG Rating | B1-U1-G1 | B1-U1-G2 | B2-U1-G3 | -- |
| | | | NEMA Type | IV | IV | IV | -- |
| | SYM: Symmetric Round | Lumens | 2,490 | 4,969 | 9,131 | 10,595 | |
| | | Lumens per Watt | 118.6 | 121.2 | 106.2 | 110.4 | |
| | | BUG Rating | B2-U1-G1 | B3-U1-G2 | B3-U2-G3 | B4-U2-G3 | |
| | | NEMA Type | V | V | V | V | |
| | C: Cantilever Mount | ASC: Asymmetric Curbline | Lumens | 2,006 | 3,850 | 6,929 | -- |
| | | | Lumens per Watt | 83.6 | 80.2 | 70.0 | -- |
| | | | BUG Rating | B1-U1-G1 | B2-U1-G2 | B3-U1-G3 | -- |
| | | | NEMA Type | III | III | III | -- |
| ASW: Asymmetric Wide | | Lumens | 2,391 | 4,589 | 8,258 | -- | |
| | | Lumens per Watt | 99.6 | 95.6 | 83.4 | -- | |
| | | BUG Rating | B1-U1-G1 | B1-U1-G2 | B2-U1-G3 | -- | |
| | | NEMA Type | IV | IV | IV | -- | |
| AST: Asymmetric Transverse | | Lumens | 2,510 | 4,818 | 8,669 | -- | |
| | | Lumens per Watt | 104.6 | 100.4 | 87.6 | -- | |
| | | BUG Rating | B1-U1-G1 | B1-U1-G2 | B2-U1-G3 | -- | |
| | | NEMA Type | IV | IV | IV | -- | |
| SYM: Symmetric Round | | Lumens | 2,530 | 5,049 | 9,277 | 10,765 | |
| | | Lumens per Watt | 120.5 | 123.1 | 107.9 | 112.1 | |
| | | BUG Rating | B2-U1-G1 | B3-U1-G2 | B3-U2-G3 | B4-U2-G3 | |
| | | NEMA Type | V | V | V | V | |

POWER AND LUMENS

| Lumen Package | | | VA1 | VA2 | VA3 | VA4 | |
|----------------------------|--------------------|----------------------------------|-----------------|----------|----------|----------|----------|
| CRI/CCT (Nominal) | Mounting | Distribution | | | | | |
| 830: 80CRI/3000K | A: Arm | ASC: Asymmetric Curbline | Lumens | 1,758 | 3,374 | 6,072 | -- |
| | | | Lumens per Watt | 73.2 | 70.3 | 61.3 | -- |
| | | | BUG Rating | B1-U0-G1 | B2-U0-G2 | B3-U0-G3 | -- |
| | | | NEMA Type | III | III | III | -- |
| | | ASW: Asymmetric Wide | Lumens | 2,096 | 4,022 | 7,238 | -- |
| | | | Lumens per Watt | 87.3 | 83.8 | 73.1 | -- |
| | | | BUG Rating | B1-U0-G1 | B1-U0-G2 | B2-U0-G2 | -- |
| | | | NEMA Type | IV | IV | IV | -- |
| | | AST: Asymmetric Transverse | Lumens | 2,166 | 4,157 | 7,480 | -- |
| | | | Lumens per Watt | 90.2 | 86.6 | 75.6 | -- |
| | | | BUG Rating | B1-U0-G1 | B1-U0-G2 | B2-U0-G3 | -- |
| | | | NEMA Type | IV | IV | IV | -- |
| | | SYM: Symmetric Round | Lumens | 2,242 | 4,473 | 8,220 | 9,538 |
| | | | Lumens per Watt | 106.8 | 109.1 | 95.6 | 99.4 |
| | | | BUG Rating | B2-U0-G1 | B3-U0-G2 | B3-U0-G2 | B3-U0-G2 |
| | | | NEMA Type | V | V | V | V |
| | S: Spider Mount | ASC: Asymmetric Curbline | Lumens | 1,606 | 3,083 | 5,547 | -- |
| | | | Lumens per Watt | 66.9 | 64.2 | 56.0 | -- |
| | | | BUG Rating | B1-U1-G1 | B2-U1-G2 | B3-U1-G3 | -- |
| | | | NEMA Type | III | III | III | -- |
| | | ASW: Asymmetric Wide | Lumens | 1,892 | 3,631 | 6,534 | -- |
| | | | Lumens per Watt | 78.8 | 75.6 | 66.0 | -- |
| | | | BUG Rating | B1-U1-G1 | B1-U1-G1 | B2-U1-G2 | -- |
| | | | NEMA Type | III | III | III | -- |
| | | AST: Asymmetric Transverse | Lumens | 1,983 | 3,806 | 6,848 | -- |
| | | | Lumens per Watt | 82.6 | 79.3 | 69.2 | -- |
| | | | BUG Rating | B1-U1-G1 | B1-U1-G2 | B2-U1-G3 | -- |
| | | | NEMA Type | IV | IV | IV | -- |
| SYM: Symmetric Round | Lumens | 2,080 | 4,150 | 7,626 | 8,849 | | |
| | Lumens per Watt | 99.0 | 101.2 | 88.7 | 92.2 | | |
| | BUG Rating | B2-U1-G1 | B3-U1-G2 | B3-U2-G2 | B3-U2-G3 | | |
| | NEMA Type | V | V | V | V | | |

POWER AND LUMENS

| Lumen Package | | | VA1 | VA2 | VA3 | VA4 | |
|-------------------|---------------------------|----------------------------------|-----------------|----------|----------|----------|----------|
| CRI/CCT (Nominal) | Mounting | Distribution | | | | | |
| 830: 80CRI/3000K | C: Cantilever Mount | ASC: Asymmetric Curbline | Lumens | 1,675 | 3,216 | 5,787 | -- |
| | | | Lumens per Watt | 69.8 | 67.0 | 58.5 | -- |
| | | | BUG Rating | B1-U1-G1 | B2-U1-G2 | B3-U1-G3 | -- |
| | | | NEMAType | III | III | III | -- |
| | | ASW: Asymmetric Wide | Lumens | 1,997 | 3,833 | 6,897 | -- |
| | | | Lumens per Watt | 83.2 | 79.9 | 69.7 | -- |
| | | | BUG Rating | B1-U1-G1 | B1-U1-G2 | B2-U1-G2 | -- |
| | | | NEMAType | IV | IV | IV | -- |
| | | AST: Asymmetric Transverse | Lumens | 2,096 | 4,024 | 7,241 | -- |
| | | | Lumens per Watt | 87.3 | 83.8 | 73.1 | -- |
| | | | BUG Rating | B1-U1-G1 | B1-U1-G2 | B2-U1-G3 | -- |
| | | | NEMAType | IV | IV | IV | -- |
| | | SYM: Symmetric Round | Lumens | 2,113 | 4,217 | 7,748 | 8,991 |
| | | | Lumens per Watt | 100.6 | 102.9 | 90.1 | 93.7 |
| | | | BUG Rating | B2-U1-G1 | B3-U1-G2 | B3-U2-G2 | B3-U2-G3 |
| | | | NEMAType | V | V | V | V |

LUMEN MULTIPLIER

| Ambient Temperature | Lumen Multiplier |
|---------------------|------------------|
| 0°C | 1.02 |
| 10°C | 1.01 |
| 25°C | 1.00 |
| 40°C | 0.99 |
| 50°C | 0.97 |

MINIMUM AMBIENT TEMPERATURE

| Lumen Package | Temperature |
|---------------------------------|-------------|
| VA1 | -40°C |
| VA2 | -35°C |
| VA3 | -35°C |
| VA4 | -40°C |
| All DALI powered lumen packages | -20°C |

LUMEN MAINTENANCE (TM-21)

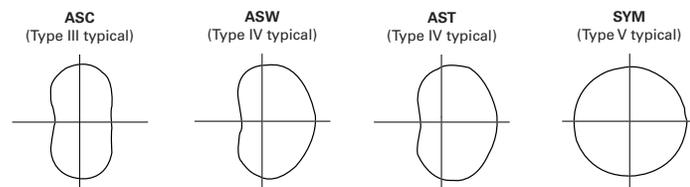
| Ambient Temperature | 25,000 hours* | 50,000 hours* | 60,000 hours* | 100,000 hours** | Theoretical L70 (Hours)** |
|---------------------|---------------|---------------|---------------|-----------------|---------------------------|
| 25°C | 94.4% | 90.4% | 89.0% | 83.0% | >199,000 |
| 40°C | 94.6% | 90.9% | 89.4% | 83.9% | >212,000 |
| 50°C | 91.8% | 87.0% | 85.2% | 78.2% | >151,000 |

NOTES:

* Supported by IESTM-21 standards

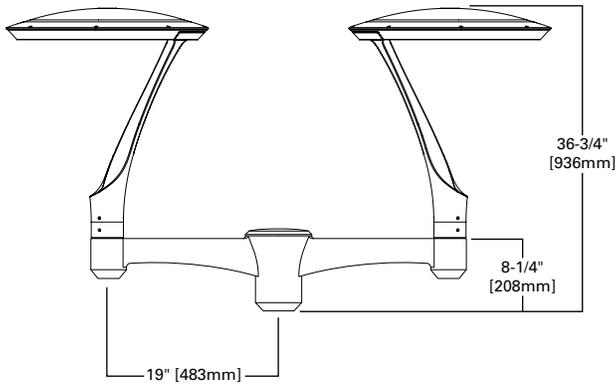
** Theoretical values represent estimations commonly used; however, refer to the IES position on LED Product Lifetime Prediction, IES PS-10-18, that explains proper use of IESTM-21 and LM-80.

OPTICAL DISTRIBUTIONS (Arm mount shown, distribution dependent on mounting)

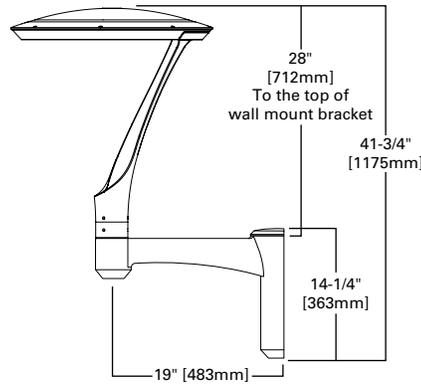


MOUNTING CONFIGURATIONS (EPAS INCLUDES FIXTURE)

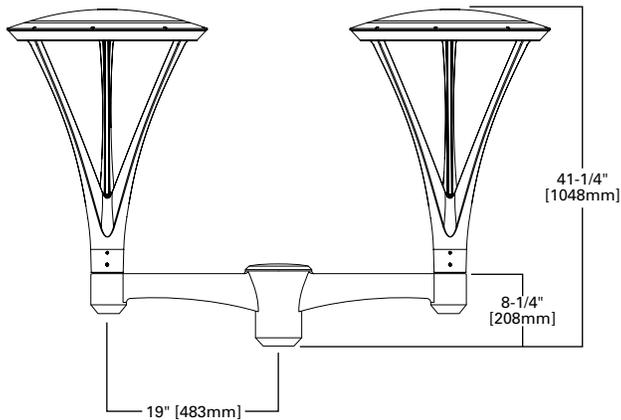
Twin mount arm (shown with Cantilever mount)



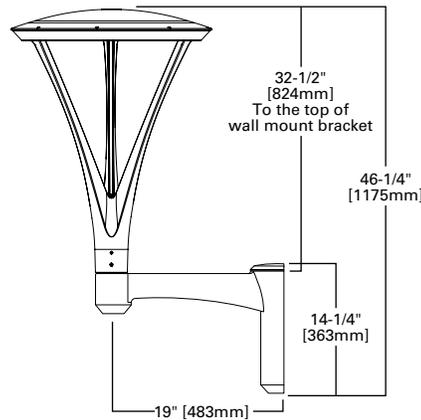
Wall mount arm (shown with Cantilever mount)



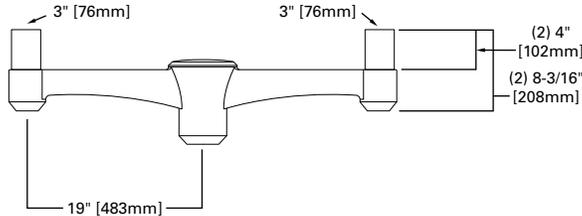
Twin mount arm (shown with Spider mount)



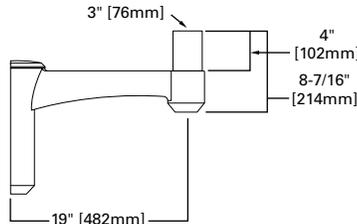
Wall mount arm (shown with Spider mount)



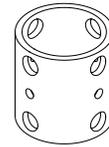
Twin mount arm (EPA 1.36)



Wall Mount Arm



MOUNTING REQUIREMENTS CHART

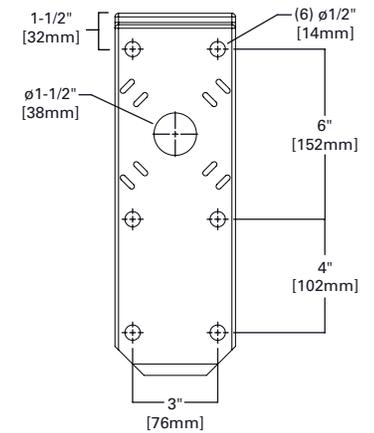


ARP2*

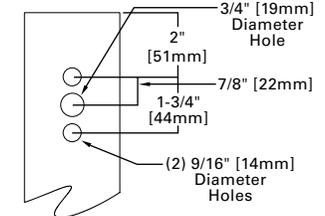
| | | |
|----------------------------------|---------------------|-----------------|
| Pole Top O.D. (Inches) | 4" | |
| Tenon O.D. (Inches) | 2-3/8" Tenon | 3" Tenon |
| Post Top | ARPA2* | Standard |
| Twin Mount Arm | ARPA2* | Standard |

* Required for stability. Order separately.

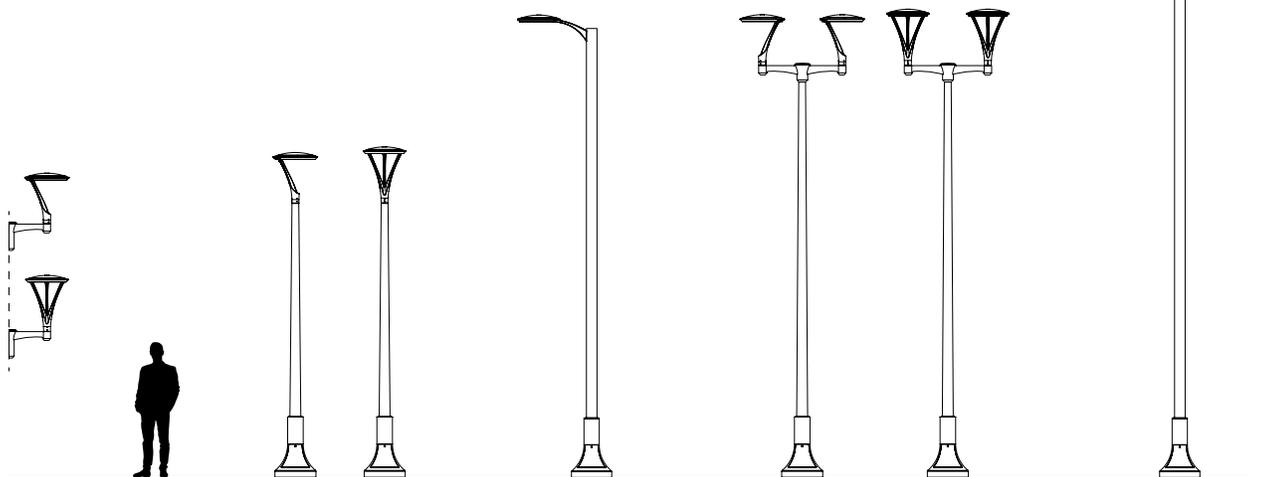
WALL MOUNT ARM DRILL PATTERN



TYPE "N"



POLE CONFIGURATIONS (ARP DECORATIVE POLE SHOWN)



Wall mount arm
8-10 ft. Mounting heights
(Spider / Cantilever mount only)

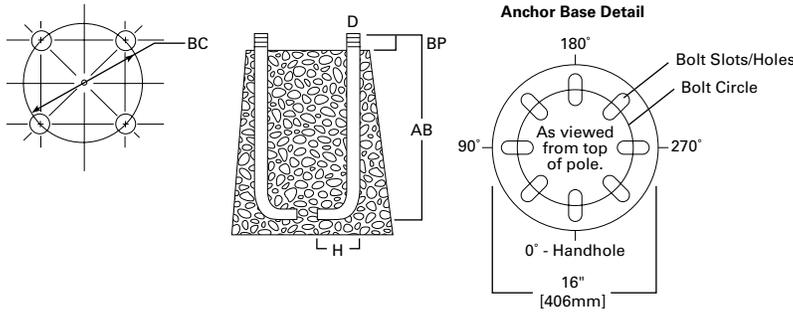
Single post top
10-18 ft. Mounting heights
(Spider / Cantilever mount only)

Single mount arm
18-22 ft. Mounting heights

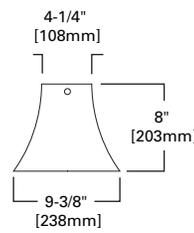
Twin mount arm
18-22 ft. Mounting heights
(Spider / Cantilever mount only)

Twin mount arm
18-25 ft. Mounting heights

ANCHORAGE DATA



ACCESS DOOR



| Pole | Anchor Bolt and Template Package | Shaft Diameter (inches) | Bolt Circle (inches) | Number of Bolts | Bolt Size (inches) | Template Only |
|--------------------------------------|----------------------------------|-------------------------|----------------------|-----------------|--------------------|---------------|
| Aluminum Round Decorative Pole (ARP) | 317AVE30 | 4 x 5 | 9 | 4 | 3/4 x 17 | 407040D |

Effective Projected Area (At Pole Top)

| Mounting Height (Feet) | Catalog Number | Wall Thickness (Inches) | Bolt Circle Diameter (Inches) | Anchor Bolt Projection (Inches) | Shaft Taper (Inches) | Anchor Bolt Diameter x Length x Hook (Inches) | Net Weight (Pounds) | Maximum Effective Projected Area (Square Feet) (1.3 gust factor) | | | Max. Load (Pounds) |
|------------------------|----------------|-------------------------|-------------------------------|---------------------------------|----------------------|---|---------------------|--|--------|---------|--------------------|
| | | | | | | | | 80 mph | 90 mph | 100 mph | |
| MH | | | BC | BP | B | AB¹ | | | | | |
| 10 | ARP5L310A | 0.156 | 9.0 | 3.5 | 5 x 3 | 3/4 x 17 x 3 | 57 | 20.0 | 17.5 | 14.1 | 120 |
| 10 | ARP5L610A | 0.156 | 9.0 | 3.5 | 5 X 4 | 3/4 x 17 x 3 | 57 | 17.0 | 13.3 | 10.7 | 120 |
| 12 | ARP5L312A | 0.156 | 9.0 | 3.5 | 5 x 3 | 3/4 x 17 x 3 | 62 | 18.2 | 14.1 | 11.2 | 120 |
| 12 | ARP5L612A | 0.156 | 9.0 | 3.5 | 5 X 4 | 3/4 x 17 x 3 | 62 | 14.1 | 10.9 | 8.7 | 120 |
| 14 | ARP5L314A | 0.156 | 9.0 | 3.5 | 5 x 3 | 3/4 x 17 x 3 | 67 | 14.8 | 11.4 | 9.0 | 120 |
| 14 | ARP5L614A | 0.156 | 9.0 | 3.5 | 5 X 4 | 3/4 x 17 x 3 | 67 | 11.7 | 9.0 | 7.1 | 120 |
| 16 | ARP5L316A | 0.156 | 9.0 | 3.5 | 5 x 3 | 3/4 x 17 x 3 | 72 | 12.0 | 9.1 | 7.0 | 120 |
| 16 | ARP5L616A | 0.156 | 9.0 | 3.5 | 5 X 4 | 3/4 x 17 x 3 | 72 | 9.4 | 7.1 | 5.6 | 120 |
| 18 | ARP5L318A | 0.156 | 9.0 | 3.5 | 5 x 3 | 3/4 x 17 x 3 | 77 | 9.5 | 7.1 | 5.4 | 120 |
| 18 | ARP5L618A | 0.156 | 9.0 | 3.5 | 5 X 4 | 3/4 x 17 x 3 | 77 | 7.6 | 5.6 | 4.3 | 120 |
| 18 | ARP5M618A | 0.188 | 9.0 | 3.5 | 5 X 4 | 3/4 x 17 x 3 | 83 | 9.5 | 7.1 | 5.6 | 120 |

Effective Projected Area (18" Above Pole Top)

| Mounting Height (Feet) | Catalog Number | Wall Thickness (Inches) | Bolt Circle Diameter (Inches) | Anchor Bolt Projection (Inches) | Shaft Taper (Inches) | Anchor Bolt Diameter x Length x Hook (Inches) | Net Weight (Pounds) | Maximum Effective Projected Area (Square Feet) (1.3 gust factor) | | | Max. Load (Pounds) |
|------------------------|----------------|-------------------------|-------------------------------|---------------------------------|----------------------|---|---------------------|--|--------|---------|--------------------|
| | | | | | | | | 80 mph | 90 mph | 100 mph | |
| MH | | | BC | BP | B | AB¹ | | | | | |
| 10 | ARP5L310A | 0.156 | 9.0 | 3.5 | 5 x 3 | 3/4 x 17 x 3 | 57 | 19.6 | 15.3 | 12.3 | 120 |
| 10 | ARP5L610A | 0.156 | 9.0 | 3.5 | 5 X 4 | 3/4 x 17 x 3 | 57 | 17.0 | 13.3 | 10.7 | 120 |
| 12 | ARP5L312A | 0.156 | 9.0 | 3.5 | 5 x 3 | 3/4 x 17 x 3 | 62 | 16.1 | 12.5 | 9.9 | 120 |
| 12 | ARP5L612A | 0.156 | 9.0 | 3.5 | 5 X 4 | 3/4 x 17 x 3 | 62 | 14.1 | 10.9 | 8.7 | 120 |
| 14 | ARP5L314A | 0.156 | 9.0 | 3.5 | 5 x 3 | 3/4 x 17 x 3 | 67 | 13.2 | 10.1 | 8.0 | 120 |
| 14 | ARP5L614A | 0.156 | 9.0 | 3.5 | 5 X 4 | 3/4 x 17 x 3 | 67 | 11.7 | 9.0 | 7.1 | 120 |
| 16 | ARP5L316A | 0.156 | 9.0 | 3.5 | 5 x 3 | 3/4 x 17 x 3 | 72 | 10.6 | 8.0 | 6.2 | 120 |
| 16 | ARP5L616A | 0.156 | 9.0 | 3.5 | 5 X 4 | 3/4 x 17 x 3 | 72 | 9.4 | 7.1 | 5.6 | 120 |
| 18 | ARP5L318A | 0.156 | 9.0 | 3.5 | 5 x 3 | 3/4 x 17 x 3 | 77 | 8.5 | 6.4 | 4.8 | 120 |
| 18 | ARP5L618A | 0.156 | 9.0 | 3.5 | 5 X 4 | 3/4 x 17 x 3 | 77 | 7.6 | 5.6 | 4.3 | 120 |
| 18 | ARP5M618A | 0.188 | 9.0 | 3.5 | 5 X 4 | 3/4 x 17 x 3 | 83 | 9.5 | 7.1 | 5.6 | 120 |

CONTROL OPTIONS

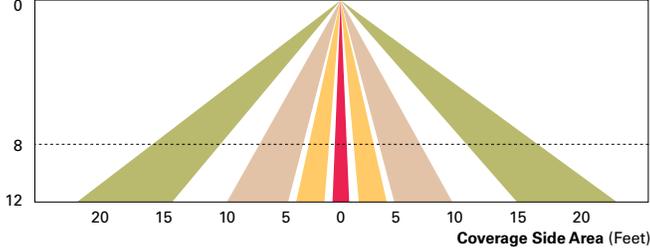
0-10V (D) The dimming option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (PER and PER7) Photocontrol receptacles provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

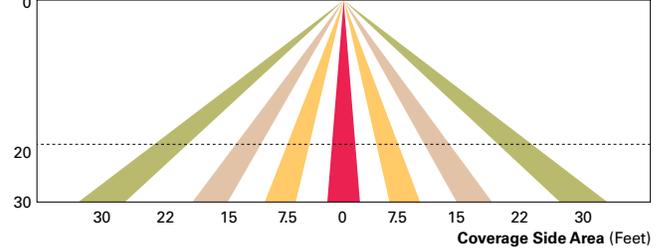
Dimming Occupancy Sensor (MS) These sensors are factory installed in the luminaire housing. When a sensor for dimming operation (/DIM) option is selected, the luminaire will dim down to approximately 50 percent power after five minutes of no activity detected. When activity is detected, the luminaire returns to full light output. When a sensor for ON/OFF operation is selected, the luminaire will turn off after five minutes of no activity.

These occupancy sensors include an integral photocell that can be activated or inactivated with the programming remote / configuration tool for "dusk-to-dawn" control or "daylight harvesting". Note: For MS sensors, the factory preset is OFF (Disabled). The programming remote / tool is a wireless tool that can be utilized to change the dimming level, time delay, sensitivity and other parameters. A variety of sensor lenses are available to optimize the coverage pattern for mounting heights from 8'-40'.

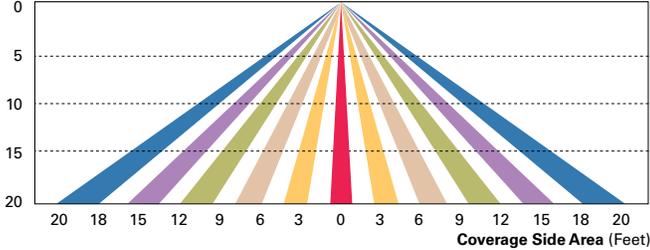
For mounting heights from 8' to 12' (-L12)



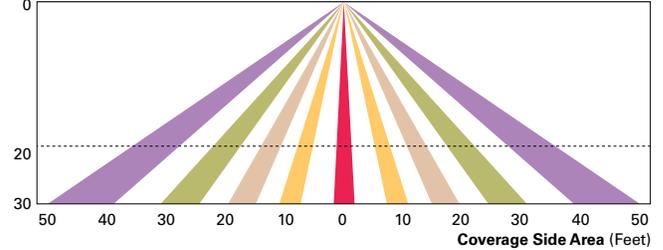
For mounting heights from 12' to 30' (-L30)



For mounting heights from 9' to 20' (-L20)



For mounting heights from 21' to 40' (-L40W)

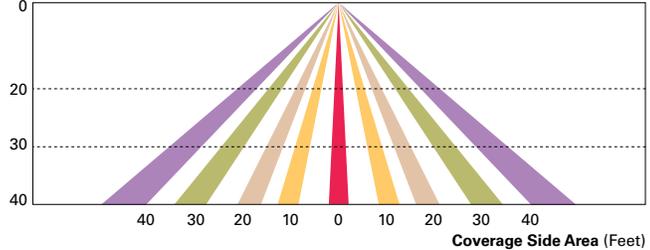


WaveLinx Wireless Control and Monitoring System Available in 7-PIN or 4-PIN configurations, the WaveLinx Outdoor control platform operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. Use the WaveLinx Mobile application for set-up and configuration. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets).

WaveLinx Outdoor Control Module (WOLC-7P-10A) A photocontrol that enables astronomic or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.

WaveLinx Wireless Sensor (SWPD4 and SWPD5) These outdoor sensors offer passive infrared (PIR) occupancy and a photocell for closed loop daylight sensing. These sensors can be factory installed or field-installed via simple, tool-less integration into luminaires equipped with the Zhaga Book 18 compliant 4-PIN receptacle (ZD or ZW). These sensors are factory preset to dim down to approximately 50 percent power after 15 minutes of no activity detected. These occupancy sensors include an integral photocell for "dusk-to-dawn" control or daylight harvesting that is factory-enabled. A variety of sensor lenses are available to optimize the coverage pattern for mounting heights from 7'-40'.

For mounting heights from 16' to 40' (SWPD)



DESCRIPTION

The LuxeScape Collection presents a contemporary, architectural dayform providing superior uniformity and efficient illumination. Designed to enhance urban spaces with beautiful visual appearances and integral control solutions, LuxeScape integrates into any environment while providing high visibility by utilizing industry-leading WaveStream™ LED optics.

| | | |
|--------------------|--|-------------|
| Catalog # | | Type |
| Project | | |
| Comments | | Date |
| Prepared by | | |

SPECIFICATION FEATURES

Construction

Housing assembly is IP66 rated and cast from low copper content corrosion resistant aluminum, maintaining strength and precision to sustain long term dayform appearance. 3G rated construction avoids damages from installation generated vibration. Corrosion-resistant color matching hardware are minimized to enhance appearance.

Optics

Designed for complex site or pedestrian applications, WaveStream™ LED optical waveguide technology produces both symmetric NEMA Type V and asymmetric NEMA III, IV distributions. The waveguide is manufactured from precision injection molded acrylic delivering visual comfort and optically controlled illumination for improved glare control. Luminaire efficacy measures in excess of 100 lm/W for 4000K (+/- 275K) CCT at 70 CRI (min). Optional 3000K CCT at 70 CRI or 3000K CCT at 80 CRI also available.

Electrical

LED drivers are uniquely positioned and mounted for

maximum thermal performance and extended life. Standard 0-10V dimming drivers and surge protection module are designed to withstand 10kV of transient line surge. Drivers operate at 120-277V 50/60Hz with 347V 60Hz or 480V 60Hz operation optional. Suitable for ambient temperature applications as low as -40°C (40°F) to 40°C (104°F). High ambient options available allow for 50°C operation.

Controls

Control options are designed to be simple, cost-effective, energy code, and regulation compliant solutions featuring WaveLinX. See control options page for more details.

Mounting

Invue's aluminum round decorative pole (ARP) offering provides a seamless transition and compliments the contemporary design architecture with its unique sleek taper and base design. The tenon mount pole comes standard with an access door feature integrated into the base.

Arm Mount

The integrated aluminum contemporary upsweep arm is bolted directly to the pole using

an "N" drill pattern. Provides a seamless transition to a 4" or 5" round pole.

Spider & Cantilever Mount

Fitter assembly mounts over 3" O.D. tenon and can be adapted to a 2-3/8" tenon. It is secured via concealed, corrosion resistant set screw and jam screw pairs in six inconspicuous locations. Fitter design provides seamless transition to 4" O.D. round pole top. Optional mounting accessories include a twin arm mount and wall mount arm.

Finish

Cooper Lighting Solutions utilizes premium ultra-weatherable TGIC based polyester powder coatings specifically formulated to withstand extended outdoor exposure while providing decorative appeal. Finish is compliant to 3,000 hour salt spray standard (per ASTM B117). RAL and custom color matches available.

Warranty

Five-year warranty.



LXS LUXESCAPE COLLECTION

DECORATIVE LUMINAIRE

CERTIFICATION DATA

UL/cUL Listed
 FCC Class A
 IEC 60529 IP66 Housing
 ANSI C136.31 3G Vibration
 ASTM A356.0 Low Copper Alloy
 ASTM B117 Salt Spray Tested
 RoHS
 ISO 9001
 DesignLights Consortium® Qualified*
 IDA certified (3000K CCT and warmer only)

ENERGY DATA

Electronic LED Driver
 >0.9 Power Factor
 <20% Total Harmonic Distortion
 120-277V 50/60Hz, 347V 60Hz, 480V 60Hz
 40°C Ambient Temperature Rating
 As low as -40°C (-40°F) minimum temperature
 *See MINIMUM TEMPERATURE table

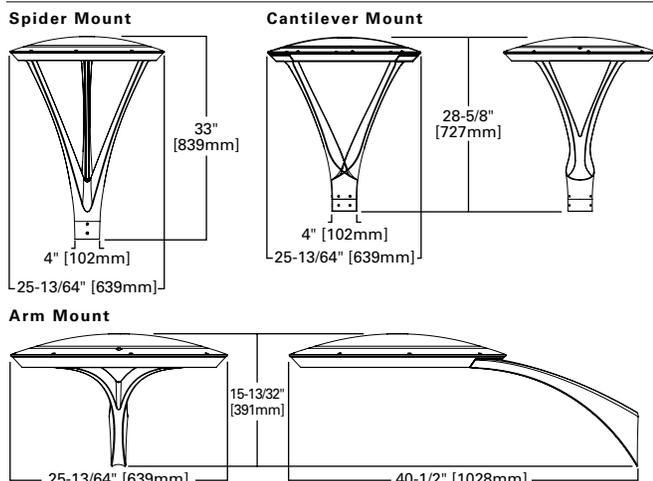
EPA

Effective Projected Area: (Sq. Ft.)
Arm Mount: 1.0
Cantilever Mount: 1.3
Spider Mount: 1.6

SHIPPING DATA

Approximate Net Weight:
Arm Mount Weight: 41 lbs. [18.6 kgs.]
Cantilever Mount Weight: 46 lbs. [20.8 kgs.]
Spider Mount Weight: 53 lbs. [24 kgs.]

DIMENSIONS



CERTIFICATIONS



ORDERING INFORMATION

Sample Number: LXS-VA3-LED-D1-T2-GM-S

| Product Family ^{1,2} | Optic Type | Lumen Package ³ | CRI/CCT | Voltage | Distribution ⁷ | Mounting | Finish | | | |
|---|-------------------------------|---|--|---|---|---|--|---|--|--|
| LXS=LuxeScape Collection | VA=Visual Comfort / WaveStrea | 1=Nominal 2,300 Lumens 2=Nominal 4,500 Lumens 3=Nominal 8,500 Lumens 4=Nominal 9,500 Lumens ⁴ | 730=70 CRI / 3000K 740=70 CRI / 4000K 830=70 CRI / 3000K | U=120-277 1=120 2=208 3=240 4=277 8=480 ^{5,6} 9=347 ⁵ | ASC=Asymmetric Curbline ⁸ ASW=Asymmetric Wide ⁹ AST=Asymmetric Transverse ⁹ SYM=Symmetric Round ¹⁰ | A=Arm Mount S=Spider Mount C=Cantilever Mount | AP=Grey BK=Black BZ=Bronze DP=Dark Platinum GM=Graphite Metallic WH=White RALXX=Custom Color ¹¹ | | | |
| Options (Add as Suffix) | | | | | Accessories (Order Separately) ²⁰ | | | | | |
| F=Single Fuse ¹² FF=Double Fuse ¹³ X=Driver Surge only 10MSP=10K MOV Surge Protective Device 20MSP=20kV MOV Surge Protective Device 20K=20kV UL 1449 Fused Surge Protective Device DIM=External 0-10V Dimming Leads ¹⁴ HA=50°C High Ambient Temperature ¹⁵ VS=Vandal Shield ¹⁶ MUSA=Final Assembly in the USA ¹⁷ CC=Coastal Construction ¹⁸ DALI=DALI Driver ¹⁹ BPC=Button Type Photocontrol ²⁰ PR=NEMA 3-PIN Twistlock Photocontrol Receptacle ²¹ PR7=NEMA 7-PIN Twistlock Photocontrol Receptacle ²¹ PC=Twistlock NEMA Photocontrol LLPC=Long Life Twistlock NEMA Photocontrol SC=Shorting Cap MS-L08=Motion Sensor for ON/OFF Operation, Up to 8' Mounting Height ^{22,23,24} | | | | | MS-L20=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height ^{22,23,25} MS-L40W=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height ^{22,23,26} MS/DIM-L08=Motion Sensor for Dimming Operation, Up to 8' Mounting Height ^{22,23,24} MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height ^{22,23,25} MS/DIM-L40W=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height ^{22,23,26} ZW=Wavelinx-enabled 4-PIN Twistlock Receptacle and shorting cap installed ^{27,28} ZW-SWPD4WH=Wavelinx Wireless Sensor, 7' - 15' Mounting Height, White ^{27,28} ZW-SWPD5WH=Wavelinx Wireless Sensor, 15' - 40' Mounting Height, White ^{27,28} ZD=DALI Digital operated 4pin connector, using SR Driver within a luminaire only and shorting cap installed ^{27,28} ZD-SWPD4WH=Wavelinx DALI Digital SR Driver, Wireless Sensor, 7' - 15' Mounting Height, White ^{27,28} ZD-SWPD5WH=Wavelinx DALI Digital SR Driver, Wireless Sensor, 15' - 40' Mounting Height, White ^{27,28} DIM10=Synapse Integrated Control Module | | | FSIR-100=Wireless Configuration Tool for Occupancy Sensor ²⁹ WOLC-7P-10A=WaveLinX Outdoor Control Module (7-PIN) ³⁰ ARPA2=2-3/8" O.D. Tenon Sleeve Adapter ³¹ VA6028-XX=Twin Mount Arm (EPA 1.36 sq.ft.) ^{31,32} VA6029-XX=Wall Mount Arm ^{31,32} MA1036-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon ³² MA1037-XX=2 @ 180° Tenon Adapter for 2-3/8" O.D. Tenon ³² MA1197-XX=3 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon ³² MA1188-XX=4 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon ³² MA1189-XX=2 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon ³² MA1190-XX=3 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon ³² MA1191-XX=2 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon ³² MA1038-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon ³² MA1039-XX=2 @ 180° Tenon Adapter for 3-1/2" O.D. Tenon ³² MA1192-XX=3 @ 120° Tenon Adapter for 3-1/2" O.D. Tenon ³² MA1193-XX=4 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon ³² MA1194-XX=2 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon ³² MA1195-XX=3 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon ³² SWPD4-WH=Wavelinx Wireless Sensor, 7' - 15' Mounting Height, White ^{27,28,33} SWPD5-WH=Wavelinx Wireless Sensor, 15' - 40' Mounting Height, White ^{27,28,33} | | |

NOTES:
 1. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information. 2. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. 3. Lumens are nominal. See lumen table for more information. 4. 9,500 Lumen package available only on SYM distribution 5. Requires the use of a step-down transformer. 6. Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems). 7. Mounting alters distribution, refer to table. 8. NEMA Type III typical. 9. NEMA Type IV typical. 10. NEMA Type V typical. 11. Specify RAL number for Custom Color. Custom color matching available upon request. Consult your lighting representative at Cooper Lighting Solutions for more information. 12. Must specify voltage (120V, 277V, or 347V) to fuse the single hot leg. 13. Must specify voltage (208V, 240V, or 480V) to fuse the both hot legs. 14. Low voltage control leads brought out 18" outside fixture. Not available with control options. 15. Not available in VA3 with Type ASC, ASW and AST distributions. 16. Reduce total lumens by a 0.95 multiplier to accommodate losses. 17. This designates the option for final assembly performed within the USA and USA territories. This is not intended to address all the Federal Acquisition Regulation (FAR) and Defense Federal Acquisition Regulation (DFAR) clauses. 18. Post-coating over the primary finish providing 7,000+ salt spray hours. Extended lead-times can be 4 -10 additional weeks. 19. Only available with VA3 and VA4 lumen packages. 20. Not available with MS-LXX, MS/DIM-LXX, or 347V or 480V options. 21. Not available with MS-LXX, MS/DIM-LXX, or 347V or 480V options. 22. Not available with HA option. 23. The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Cooper Lighting Solutions for more information. 24. Approximately 22" detection diameter at 8' mounting height. 25. Approximately 40" detection diameter at 20' mounting height. 26. Approximately 100' detection diameter at 40' mounting height. 27. Cannot be used in conjunction with photocontrol or other controls systems (BPC, PR, PR7, MS). 28. NWAC Gateway required to enable field-configurability. Order WAC-POE and WPOE-120 (10V to POE injector) power supply if needed. Only compatible with WaveLinX system and software and requires system components to be installed for operation. See website for more WaveLinX application information. 29. This tool enables adjustment of parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Cooper Lighting Solutions for more information. 30. Requires 7-PIN NEMA twistlock photocontrol receptacle. WOLC-7P-10A cannot be used in conjunction with additional sensors or controls. 31. Not vibration rated at this time. Consult your lighting representative at Cooper Lighting Solutions for more information. 32. Replace XX with color designation. 33. Requires ZW or ZD.

ARP ORDERING INFORMATION (ALUMINUM DECORATIVE POLE)

SAMPLE NUMBER: ARP5L310ABZ2

| Product Family | Shaft Size (Inches) ¹ | Wall Thickness (Inches) | Pole Top Diameter (Inches) | Mounting Height (Feet) | Base Type | Finish | Mounting Type | Number and Location of Arms | Options (Add as Suffix) |
|---------------------------------------|----------------------------------|-------------------------|--|---|--------------------------------|---|--|-----------------------------|--|
| ARP=Aluminum Round Tapered Decorative | 5=5" | L=0.156" M=0.188" | 3=3" O.D. ² 6=4" O.D. ³ | 10=10' 12=12' 14=14' 16=16' ⁴ 18=18' ⁴ 22=22' ⁴ | A=Aluminum (Round 4-Bolt Pole) | AP=Grey BA=Anodized Bronze BK=Black BZ=Bronze CA=Anodized Clear DA=Anodized Black DP=Dark Platinum GM=Graphite Metallic GN=Hartford Green WH=White | 2=2-3/8" O.D. Tenon (4" Long) 5=3" O.D. Tenon (4" Long) | X=None | C=Convenience Outlet ⁵ E=GFCl Convenience Outlet ⁵ G=Ground Lug V=Vibration Dampener ⁴ |

NOTES 1 All shaft sizes nominal. 2 Provides 3" O.D. pole top suited for Arbor Post Top. 3 Provides 4" O.D. pole top suited for LuxeScape post tops. 4 Vibration damper recommended over 18 feet add suffix "V" to catalog number. 5 Specify outlet location. Receptacle not included, provision only.

POWER AND LUMENS

| Lumen Package | | | VA1 | VA2 | VA3 | VA4 | |
|-------------------------------|--------------------|----------------------------------|-----------------|----------|----------|----------|----------|
| Drive Current | | | | | | | |
| Power Wattage (Watts)* | | | 24W | 48W | 96W | 99W | |
| Input Current (mA) @ 120V | | | 200 | 400 | 800 | 830 | |
| Input Current (mA) @ 277V | | | 90 | 180 | 350 | 360 | |
| Power Wattage (Watts)* | | | 28W | 55W | 114W | 108W | |
| Input Current (mA) @ 347V | | | 79 | 161 | 325 | 328 | |
| Input Current (mA) @ 480V | | | 58 | 117 | 235 | 237 | |
| CRI/CCT (Nominal) | Mounting | Distribution | | | | | |
| 730: 70CRI/3000K | A: Arm | ASC: Asymmetric Curbline | Lumens | 1,949 | 3,740 | 6,730 | -- |
| | | | Lumens per Watt | 81.2 | 77.9 | 68.0 | -- |
| | | | BUG Rating | B1-U0-G1 | B2-U0-G2 | B3-U0-G3 | -- |
| | | | NEMA Type | III | III | III | -- |
| | | ASW: Asymmetric Wide | Lumens | 2,323 | 4,458 | 8,022 | -- |
| | | | Lumens per Watt | 96.8 | 92.9 | 81.0 | -- |
| | | | BUG Rating | B1-U0-G1 | B1-U0-G2 | B2-U0-G3 | -- |
| | | | NEMA Type | IV | IV | IV | -- |
| | | AST: Asymmetric Transverse | Lumens | 2,400 | 4,607 | 8,291 | -- |
| | | | Lumens per Watt | 100.0 | 96.0 | 83.7 | -- |
| | | | BUG Rating | B1-U0-G1 | B1-U0-G2 | B2-U0-G3 | -- |
| | | | NEMA Type | IV | IV | IV | -- |
| | | SYM: Symmetric Round | Lumens | 2,485 | 4,958 | 9,111 | 10,571 |
| | | | Lumens per Watt | 118.3 | 120.9 | 105.9 | 110.1 |
| | | | BUG Rating | B2-U0-G1 | B3-U0-G2 | B3-U0-G2 | B4-U0-G3 |
| | | | NEMA Type | V | V | V | V |
| | S: Spider Mount | ASC: Asymmetric Curbline | Lumens | 1,780 | 3,417 | 6,148 | -- |
| | | | Lumens per Watt | 74.2 | 71.2 | 62.1 | -- |
| | | | BUG Rating | B1-U1-G1 | B2-U1-G2 | B3-U1-G3 | -- |
| | | | NEMA Type | III | III | III | -- |
| | | ASW: Asymmetric Wide | Lumens | 2,097 | 4,024 | 7,242 | -- |
| | | | Lumens per Watt | 87.4 | 83.8 | 73.2 | -- |
| | | | BUG Rating | B1-U1-G1 | B1-U1-G2 | B2-U1-G2 | -- |
| | | | NEMA Type | III | III | III | -- |
| | | AST: Asymmetric Transverse | Lumens | 2,198 | 4,218 | 7,590 | -- |
| | | | Lumens per Watt | 91.6 | 87.9 | 76.7 | -- |
| | | | BUG Rating | B1-U1-G1 | B1-U1-G2 | B2-U1-G3 | -- |
| | | | NEMA Type | IV | IV | IV | -- |
| SYM: Symmetric Round | Lumens | 2,305 | 4,600 | 8,452 | 9,807 | | |
| | Lumens per Watt | 109.8 | 112.2 | 98.3 | 102.2 | | |
| | BUG Rating | B2-U1-G1 | B3-U1-G2 | B3-U2-G2 | B4-U2-G3 | | |
| | NEMA Type | V | V | V | V | | |

POWER AND LUMENS

| Lumen Package | | | VA1 | VA2 | VA3 | VA4 | |
|-------------------|----------------------------|----------------------------------|-----------------|----------|----------|----------|----|
| CRI/CCT (Nominal) | Mounting | Distribution | | | | | |
| 730: 70CRI/3000K | C: Cantilever Mount | ASC: Asymmetric Curbline | Lumens | 1,857 | 3,564 | 6,414 | -- |
| | | | Lumens per Watt | 77.4 | 74.3 | 64.8 | -- |
| | | | BUG Rating | B1-U1-G1 | B2-U1-G2 | B3-U1-G3 | -- |
| | | | NEMA Type | III | III | III | -- |
| | | ASW: Asymmetric Wide | Lumens | 2,213 | 4,248 | 7,645 | -- |
| | | | Lumens per Watt | 92.2 | 88.5 | 77.2 | -- |
| | | | BUG Rating | B1-U1-G1 | B1-U1-G2 | B2-U1-G3 | -- |
| | | | NEMA Type | IV | IV | IV | -- |
| | | AST: Asymmetric Transverse | Lumens | 2,324 | 4,460 | 8,025 | -- |
| | | | Lumens per Watt | 96.8 | 92.9 | 81.1 | -- |
| | | | BUG Rating | B1-U1-G1 | B1-U1-G2 | B2-U1-G3 | -- |
| | | | NEMA Type | IV | IV | IV | -- |
| | SYM: Symmetric Round | Lumens | 2,342 | 4,674 | 8,588 | 9,965 | |
| | | Lumens per Watt | 111.5 | 114.0 | 99.9 | 103.8 | |
| | | BUG Rating | B2-U1-G1 | B3-U1-G2 | B3-U2-G2 | B4-U2-G3 | |
| | | NEMA Type | V | V | V | V | |
| 740: 70CRI/4000K | A: Arm | ASC: Asymmetric Curbline | Lumens | 2,105 | 4,040 | 7,270 | -- |
| | | | Lumens per Watt | 87.7 | 84.2 | 73.4 | -- |
| | | | BUG Rating | B1-U0-G1 | B2-U0-G2 | B3-U0-G3 | -- |
| | | | NEMA Type | III | III | III | -- |
| | | ASW: Asymmetric Wide | Lumens | 2,509 | 4,816 | 8,666 | -- |
| | | | Lumens per Watt | 104.5 | 100.3 | 87.5 | -- |
| | | | BUG Rating | B1-U0-G1 | B1-U0-G2 | B2-U0-G3 | -- |
| | | | NEMA Type | IV | IV | IV | -- |
| | | AST: Asymmetric Transverse | Lumens | 2,593 | 4,977 | 8,956 | -- |
| | | | Lumens per Watt | 108.0 | 103.7 | 90.5 | -- |
| | | | BUG Rating | B1-U0-G1 | B2-U0-G2 | B2-U0-G3 | -- |
| | | | NEMA Type | IV | IV | IV | -- |
| | SYM: Symmetric Round | Lumens | 2,684 | 5,356 | 9,842 | 11,420 | |
| | | Lumens per Watt | 127.8 | 130.6 | 114.4 | 119.0 | |
| | | BUG Rating | B2-U0-G1 | B3-U0-G2 | B3-U0-G3 | B4-U0-G3 | |
| | | NEMA Type | V | V | V | V | |

POWER AND LUMENS

| Lumen Package | | | VA1 | VA2 | VA3 | VA4 | |
|----------------------------|----------------------|----------------------------|-----------------|----------|----------|----------|----|
| CRI/CCT (Nominal) | Mounting | Distribution | | | | | |
| 740: 70CRI/4000K | S: Spider Mount | ASC: Asymmetric Curbline | Lumens | 1,923 | 3,691 | 6,642 | -- |
| | | | Lumens per Watt | 80.1 | 76.9 | 67.1 | -- |
| | | | BUG Rating | B1-U1-G1 | B2-U1-G2 | B3-U1-G3 | -- |
| | | | NEMA Type | III | III | III | -- |
| | | ASW: Asymmetric Wide | Lumens | 2,265 | 4,347 | 7,823 | -- |
| | | | Lumens per Watt | 94.4 | 90.6 | 79.0 | -- |
| | | | BUG Rating | B1-U1-G1 | B1-U1-G2 | B2-U1-G2 | -- |
| | | | NEMA Type | III | III | III | -- |
| | | AST: Asymmetric Transverse | Lumens | 2,374 | 4,557 | 8,200 | -- |
| | | | Lumens per Watt | 98.9 | 94.9 | 82.8 | -- |
| | | | BUG Rating | B1-U1-G1 | B1-U1-G2 | B2-U1-G3 | -- |
| | | | NEMA Type | IV | IV | IV | -- |
| | SYM: Symmetric Round | Lumens | 2,490 | 4,969 | 9,131 | 10,595 | |
| | | Lumens per Watt | 118.6 | 121.2 | 106.2 | 110.4 | |
| | | BUG Rating | B2-U1-G1 | B3-U1-G2 | B3-U2-G3 | B4-U2-G3 | |
| | | NEMA Type | V | V | V | V | |
| | C: Cantilever Mount | ASC: Asymmetric Curbline | Lumens | 2,006 | 3,850 | 6,929 | -- |
| | | | Lumens per Watt | 83.6 | 80.2 | 70.0 | -- |
| | | | BUG Rating | B1-U1-G1 | B2-U1-G2 | B3-U1-G3 | -- |
| | | | NEMA Type | III | III | III | -- |
| | | ASW: Asymmetric Wide | Lumens | 2,391 | 4,589 | 8,258 | -- |
| | | | Lumens per Watt | 99.6 | 95.6 | 83.4 | -- |
| | | | BUG Rating | B1-U1-G1 | B1-U1-G2 | B2-U1-G3 | -- |
| | | | NEMA Type | IV | IV | IV | -- |
| AST: Asymmetric Transverse | | Lumens | 2,510 | 4,818 | 8,669 | -- | |
| | | Lumens per Watt | 104.6 | 100.4 | 87.6 | -- | |
| | | BUG Rating | B1-U1-G1 | B1-U1-G2 | B2-U1-G3 | -- | |
| | | NEMA Type | IV | IV | IV | -- | |
| SYM: Symmetric Round | Lumens | 2,530 | 5,049 | 9,277 | 10,765 | | |
| | Lumens per Watt | 120.5 | 123.1 | 107.9 | 112.1 | | |
| | BUG Rating | B2-U1-G1 | B3-U1-G2 | B3-U2-G3 | B4-U2-G3 | | |
| | NEMA Type | V | V | V | V | | |

POWER AND LUMENS

| Lumen Package | | | VA1 | VA2 | VA3 | VA4 | |
|----------------------------|--------------------|----------------------------------|-----------------|----------|----------|----------|----------|
| CRI/CCT (Nominal) | Mounting | Distribution | | | | | |
| 830: 80CRI/3000K | A: Arm | ASC: Asymmetric Curbline | Lumens | 1,758 | 3,374 | 6,072 | -- |
| | | | Lumens per Watt | 73.2 | 70.3 | 61.3 | -- |
| | | | BUG Rating | B1-U0-G1 | B2-U0-G2 | B3-U0-G3 | -- |
| | | | NEMA Type | III | III | III | -- |
| | | ASW: Asymmetric Wide | Lumens | 2,096 | 4,022 | 7,238 | -- |
| | | | Lumens per Watt | 87.3 | 83.8 | 73.1 | -- |
| | | | BUG Rating | B1-U0-G1 | B1-U0-G2 | B2-U0-G2 | -- |
| | | | NEMA Type | IV | IV | IV | -- |
| | | AST: Asymmetric Transverse | Lumens | 2,166 | 4,157 | 7,480 | -- |
| | | | Lumens per Watt | 90.2 | 86.6 | 75.6 | -- |
| | | | BUG Rating | B1-U0-G1 | B1-U0-G2 | B2-U0-G3 | -- |
| | | | NEMA Type | IV | IV | IV | -- |
| | | SYM: Symmetric Round | Lumens | 2,242 | 4,473 | 8,220 | 9,538 |
| | | | Lumens per Watt | 106.8 | 109.1 | 95.6 | 99.4 |
| | | | BUG Rating | B2-U0-G1 | B3-U0-G2 | B3-U0-G2 | B3-U0-G2 |
| | | | NEMA Type | V | V | V | V |
| | S: Spider Mount | ASC: Asymmetric Curbline | Lumens | 1,606 | 3,083 | 5,547 | -- |
| | | | Lumens per Watt | 66.9 | 64.2 | 56.0 | -- |
| | | | BUG Rating | B1-U1-G1 | B2-U1-G2 | B3-U1-G3 | -- |
| | | | NEMA Type | III | III | III | -- |
| | | ASW: Asymmetric Wide | Lumens | 1,892 | 3,631 | 6,534 | -- |
| | | | Lumens per Watt | 78.8 | 75.6 | 66.0 | -- |
| | | | BUG Rating | B1-U1-G1 | B1-U1-G1 | B2-U1-G2 | -- |
| | | | NEMA Type | III | III | III | -- |
| | | AST: Asymmetric Transverse | Lumens | 1,983 | 3,806 | 6,848 | -- |
| | | | Lumens per Watt | 82.6 | 79.3 | 69.2 | -- |
| | | | BUG Rating | B1-U1-G1 | B1-U1-G2 | B2-U1-G3 | -- |
| | | | NEMA Type | IV | IV | IV | -- |
| SYM: Symmetric Round | Lumens | 2,080 | 4,150 | 7,626 | 8,849 | | |
| | Lumens per Watt | 99.0 | 101.2 | 88.7 | 92.2 | | |
| | BUG Rating | B2-U1-G1 | B3-U1-G2 | B3-U2-G2 | B3-U2-G3 | | |
| | NEMA Type | V | V | V | V | | |

POWER AND LUMENS

| Lumen Package | | | VA1 | VA2 | VA3 | VA4 | |
|-------------------|---------------------------|----------------------------------|-----------------|----------|----------|----------|----------|
| CRI/CCT (Nominal) | Mounting | Distribution | | | | | |
| 830: 80CRI/3000K | C: Cantilever Mount | ASC: Asymmetric Curbline | Lumens | 1,675 | 3,216 | 5,787 | -- |
| | | | Lumens per Watt | 69.8 | 67.0 | 58.5 | -- |
| | | | BUG Rating | B1-U1-G1 | B2-U1-G2 | B3-U1-G3 | -- |
| | | | NEMAType | III | III | III | -- |
| | | ASW: Asymmetric Wide | Lumens | 1,997 | 3,833 | 6,897 | -- |
| | | | Lumens per Watt | 83.2 | 79.9 | 69.7 | -- |
| | | | BUG Rating | B1-U1-G1 | B1-U1-G2 | B2-U1-G2 | -- |
| | | | NEMAType | IV | IV | IV | -- |
| | | AST: Asymmetric Transverse | Lumens | 2,096 | 4,024 | 7,241 | -- |
| | | | Lumens per Watt | 87.3 | 83.8 | 73.1 | -- |
| | | | BUG Rating | B1-U1-G1 | B1-U1-G2 | B2-U1-G3 | -- |
| | | | NEMAType | IV | IV | IV | -- |
| | | SYM: Symmetric Round | Lumens | 2,113 | 4,217 | 7,748 | 8,991 |
| | | | Lumens per Watt | 100.6 | 102.9 | 90.1 | 93.7 |
| | | | BUG Rating | B2-U1-G1 | B3-U1-G2 | B3-U2-G2 | B3-U2-G3 |
| | | | NEMAType | V | V | V | V |

LUMEN MULTIPLIER

| Ambient Temperature | Lumen Multiplier |
|---------------------|------------------|
| 0°C | 1.02 |
| 10°C | 1.01 |
| 25°C | 1.00 |
| 40°C | 0.99 |
| 50°C | 0.97 |

MINIMUM AMBIENT TEMPERATURE

| Lumen Package | Temperature |
|---------------------------------|-------------|
| VA1 | -40°C |
| VA2 | -35°C |
| VA3 | -35°C |
| VA4 | -40°C |
| All DALI powered lumen packages | -20°C |

LUMEN MAINTENANCE (TM-21)

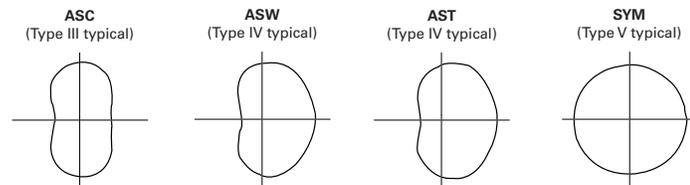
| Ambient Temperature | 25,000 hours* | 50,000 hours* | 60,000 hours* | 100,000 hours** | Theoretical L70 (Hours)** |
|---------------------|---------------|---------------|---------------|-----------------|---------------------------|
| 25°C | 94.4% | 90.4% | 89.0% | 83.0% | >199,000 |
| 40°C | 94.6% | 90.9% | 89.4% | 83.9% | >212,000 |
| 50°C | 91.8% | 87.0% | 85.2% | 78.2% | >151,000 |

NOTES:

* Supported by IESTM-21 standards

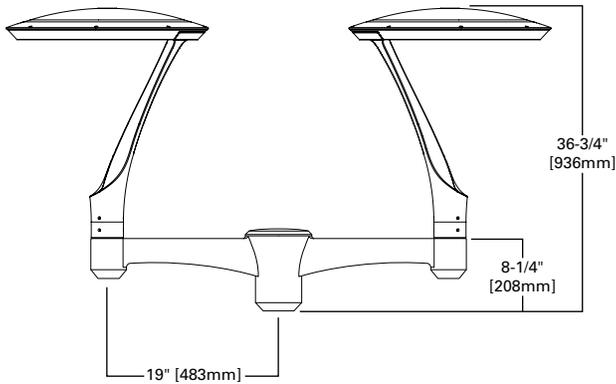
** Theoretical values represent estimations commonly used; however, refer to the IES position on LED Product Lifetime Prediction, IES PS-10-18, that explains proper use of IESTM-21 and LM-80.

OPTICAL DISTRIBUTIONS (Arm mount shown, distribution dependent on mounting)

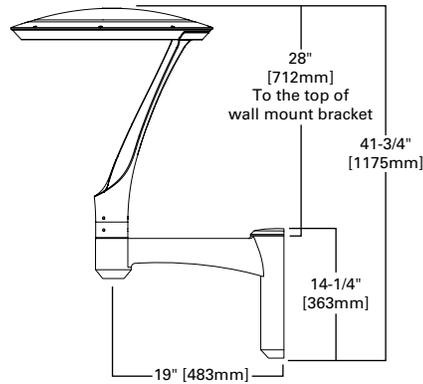


MOUNTING CONFIGURATIONS (EPAS INCLUDES FIXTURE)

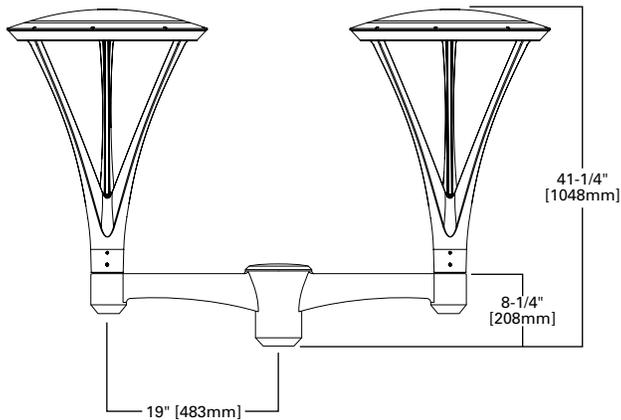
Twin mount arm (shown with Cantilever mount)



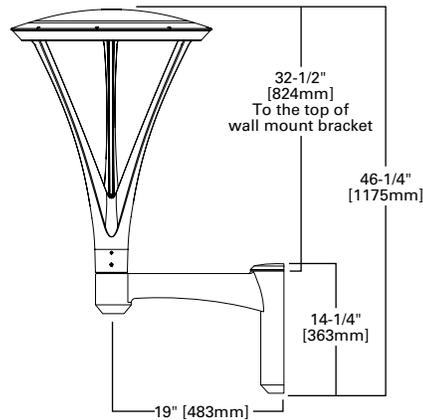
Wall mount arm (shown with Cantilever mount)



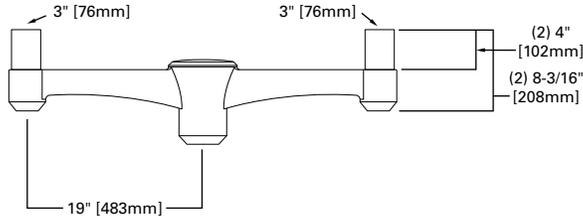
Twin mount arm (shown with Spider mount)



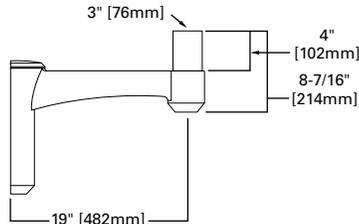
Wall mount arm (shown with Spider mount)



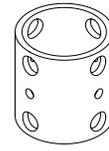
Twin mount arm (EPA 1.36)



Wall Mount Arm



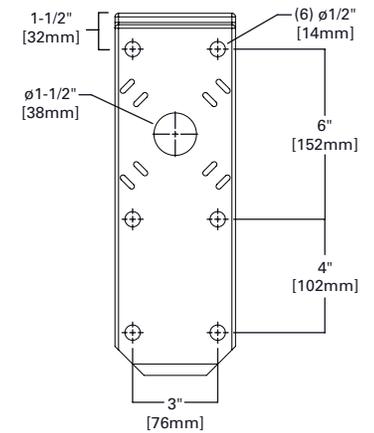
MOUNTING REQUIREMENTS CHART



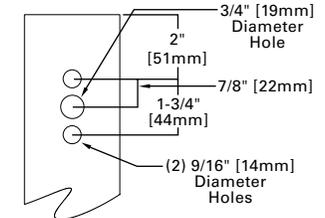
| | | |
|----------------------------------|---------------------|-----------------|
| Pole Top O.D. (Inches) | 4" | |
| Tenon O.D. (Inches) | 2-3/8" Tenon | 3" Tenon |
| Post Top | ARPA2* | Standard |
| Twin Mount Arm | ARPA2* | Standard |

* Required for stability. Order separately.

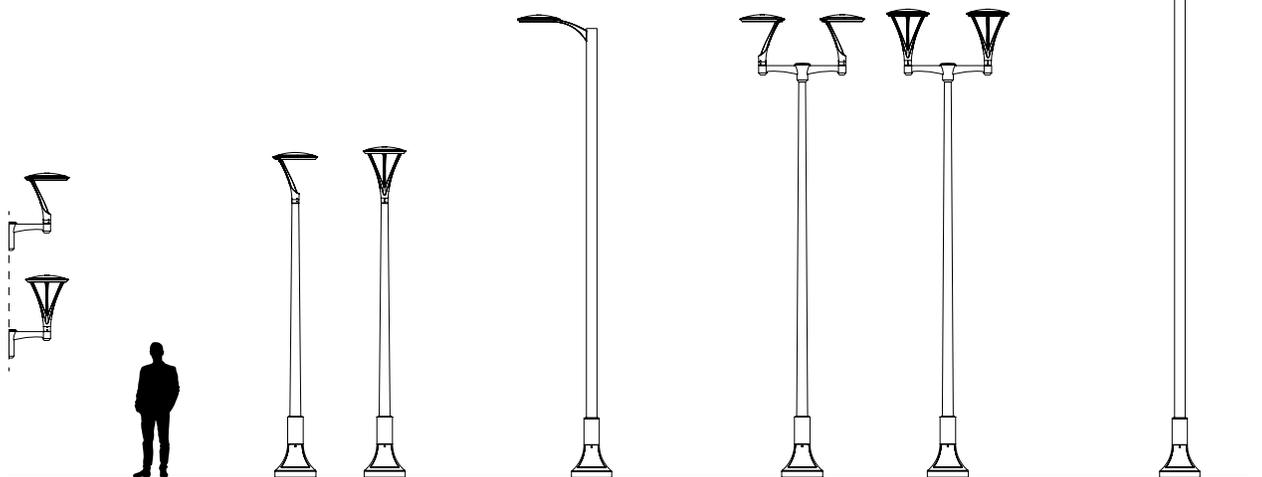
WALL MOUNT ARM DRILL PATTERN



TYPE "N"

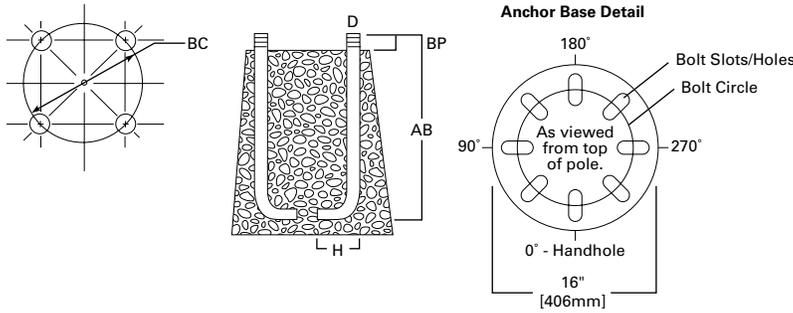


POLE CONFIGURATIONS (ARP DECORATIVE POLE SHOWN)

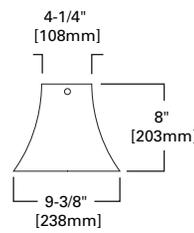


Wall mount arm 8-10 ft. Mounting heights (Spider / Cantilever mount only)
Single post top 10-18 ft. Mounting heights (Spider / Cantilever mount only)
Single mount arm 18-22 ft. Mounting heights
Twin mount arm 18-22 ft. Mounting heights (Spider / Cantilever mount only)
Twin mount arm 18-25 ft. Mounting heights

ANCHORAGE DATA



ACCESS DOOR



| Pole | Anchor Bolt and Template Package | Shaft Diameter (inches) | Bolt Circle (inches) | Number of Bolts | Bolt Size (inches) | Template Only |
|--------------------------------------|----------------------------------|-------------------------|----------------------|-----------------|--------------------|---------------|
| Aluminum Round Decorative Pole (ARP) | 317AVE30 | 4 x 5 | 9 | 4 | 3/4 x 17 | 407040D |

Effective Projected Area (At Pole Top)

| Mounting Height (Feet) | Catalog Number | Wall Thickness (Inches) | Bolt Circle Diameter (Inches) | Anchor Bolt Projection (Inches) | Shaft Taper (Inches) | Anchor Bolt Diameter x Length x Hook (Inches) | Net Weight (Pounds) | Maximum Effective Projected Area (Square Feet) (1.3 gust factor) | | | Max. Load (Pounds) |
|------------------------|----------------|-------------------------|-------------------------------|---------------------------------|----------------------|---|---------------------|--|--------|---------|--------------------|
| | | | | | | | | 80 mph | 90 mph | 100 mph | |
| MH | | | BC | BP | B | AB¹ | | | | | |
| 10 | ARP5L310A | 0.156 | 9.0 | 3.5 | 5 x 3 | 3/4 x 17 x 3 | 57 | 20.0 | 17.5 | 14.1 | 120 |
| 10 | ARP5L610A | 0.156 | 9.0 | 3.5 | 5 X 4 | 3/4 x 17 x 3 | 57 | 17.0 | 13.3 | 10.7 | 120 |
| 12 | ARP5L312A | 0.156 | 9.0 | 3.5 | 5 x 3 | 3/4 x 17 x 3 | 62 | 18.2 | 14.1 | 11.2 | 120 |
| 12 | ARP5L612A | 0.156 | 9.0 | 3.5 | 5 X 4 | 3/4 x 17 x 3 | 62 | 14.1 | 10.9 | 8.7 | 120 |
| 14 | ARP5L314A | 0.156 | 9.0 | 3.5 | 5 x 3 | 3/4 x 17 x 3 | 67 | 14.8 | 11.4 | 9.0 | 120 |
| 14 | ARP5L614A | 0.156 | 9.0 | 3.5 | 5 X 4 | 3/4 x 17 x 3 | 67 | 11.7 | 9.0 | 7.1 | 120 |
| 16 | ARP5L316A | 0.156 | 9.0 | 3.5 | 5 x 3 | 3/4 x 17 x 3 | 72 | 12.0 | 9.1 | 7.0 | 120 |
| 16 | ARP5L616A | 0.156 | 9.0 | 3.5 | 5 X 4 | 3/4 x 17 x 3 | 72 | 9.4 | 7.1 | 5.6 | 120 |
| 18 | ARP5L318A | 0.156 | 9.0 | 3.5 | 5 x 3 | 3/4 x 17 x 3 | 77 | 9.5 | 7.1 | 5.4 | 120 |
| 18 | ARP5L618A | 0.156 | 9.0 | 3.5 | 5 X 4 | 3/4 x 17 x 3 | 77 | 7.6 | 5.6 | 4.3 | 120 |
| 18 | ARP5M618A | 0.188 | 9.0 | 3.5 | 5 X 4 | 3/4 x 17 x 3 | 83 | 9.5 | 7.1 | 5.6 | 120 |

Effective Projected Area (18" Above Pole Top)

| Mounting Height (Feet) | Catalog Number | Wall Thickness (Inches) | Bolt Circle Diameter (Inches) | Anchor Bolt Projection (Inches) | Shaft Taper (Inches) | Anchor Bolt Diameter x Length x Hook (Inches) | Net Weight (Pounds) | Maximum Effective Projected Area (Square Feet) (1.3 gust factor) | | | Max. Load (Pounds) |
|------------------------|----------------|-------------------------|-------------------------------|---------------------------------|----------------------|---|---------------------|--|--------|---------|--------------------|
| | | | | | | | | 80 mph | 90 mph | 100 mph | |
| MH | | | BC | BP | B | AB¹ | | | | | |
| 10 | ARP5L310A | 0.156 | 9.0 | 3.5 | 5 x 3 | 3/4 x 17 x 3 | 57 | 19.6 | 15.3 | 12.3 | 120 |
| 10 | ARP5L610A | 0.156 | 9.0 | 3.5 | 5 X 4 | 3/4 x 17 x 3 | 57 | 17.0 | 13.3 | 10.7 | 120 |
| 12 | ARP5L312A | 0.156 | 9.0 | 3.5 | 5 x 3 | 3/4 x 17 x 3 | 62 | 16.1 | 12.5 | 9.9 | 120 |
| 12 | ARP5L612A | 0.156 | 9.0 | 3.5 | 5 X 4 | 3/4 x 17 x 3 | 62 | 14.1 | 10.9 | 8.7 | 120 |
| 14 | ARP5L314A | 0.156 | 9.0 | 3.5 | 5 x 3 | 3/4 x 17 x 3 | 67 | 13.2 | 10.1 | 8.0 | 120 |
| 14 | ARP5L614A | 0.156 | 9.0 | 3.5 | 5 X 4 | 3/4 x 17 x 3 | 67 | 11.7 | 9.0 | 7.1 | 120 |
| 16 | ARP5L316A | 0.156 | 9.0 | 3.5 | 5 x 3 | 3/4 x 17 x 3 | 72 | 10.6 | 8.0 | 6.2 | 120 |
| 16 | ARP5L616A | 0.156 | 9.0 | 3.5 | 5 X 4 | 3/4 x 17 x 3 | 72 | 9.4 | 7.1 | 5.6 | 120 |
| 18 | ARP5L318A | 0.156 | 9.0 | 3.5 | 5 x 3 | 3/4 x 17 x 3 | 77 | 8.5 | 6.4 | 4.8 | 120 |
| 18 | ARP5L618A | 0.156 | 9.0 | 3.5 | 5 X 4 | 3/4 x 17 x 3 | 77 | 7.6 | 5.6 | 4.3 | 120 |
| 18 | ARP5M618A | 0.188 | 9.0 | 3.5 | 5 X 4 | 3/4 x 17 x 3 | 83 | 9.5 | 7.1 | 5.6 | 120 |

CONTROL OPTIONS

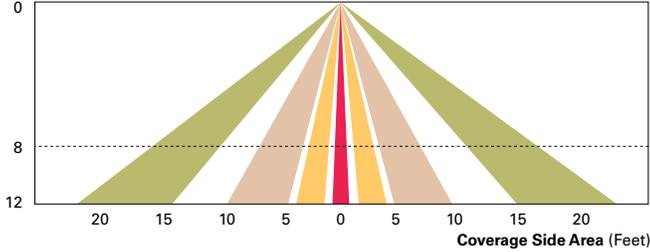
0-10V (D) The dimming option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (PER and PER7) Photocontrol receptacles provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

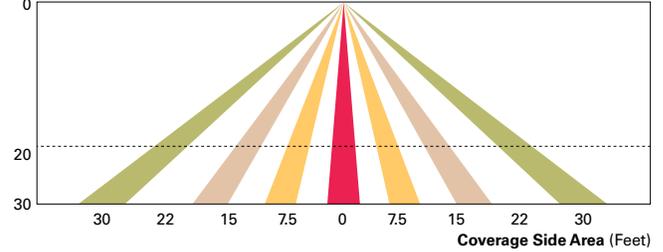
Dimming Occupancy Sensor (MS) These sensors are factory installed in the luminaire housing. When a sensor for dimming operation (/DIM) option is selected, the luminaire will dim down to approximately 50 percent power after five minutes of no activity detected. When activity is detected, the luminaire returns to full light output. When a sensor for ON/OFF operation is selected, the luminaire will turn off after five minutes of no activity.

These occupancy sensors include an integral photocell that can be activated or inactivated with the programming remote / configuration tool for "dusk-to-dawn" control or "daylight harvesting". Note: For MS sensors, the factory preset is OFF (Disabled). The programming remote / tool is a wireless tool that can be utilized to change the dimming level, time delay, sensitivity and other parameters. A variety of sensor lenses are available to optimize the coverage pattern for mounting heights from 8'-40'.

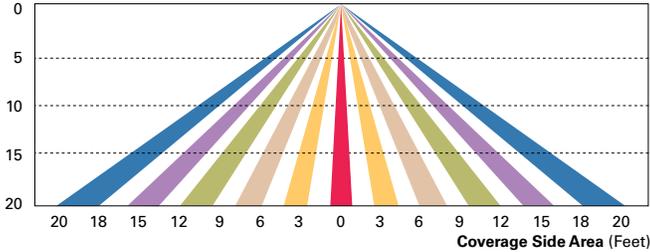
For mounting heights from 8' to 12' (-L12)



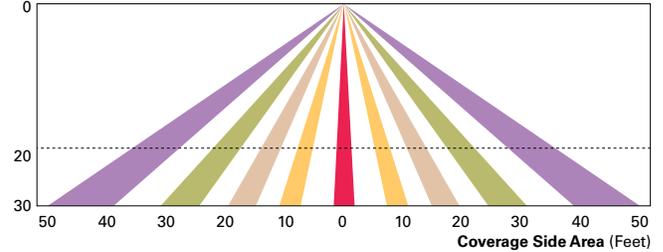
For mounting heights from 12' to 30' (-L30)



For mounting heights from 9' to 20' (-L20)



For mounting heights from 21' to 40' (-L40W)

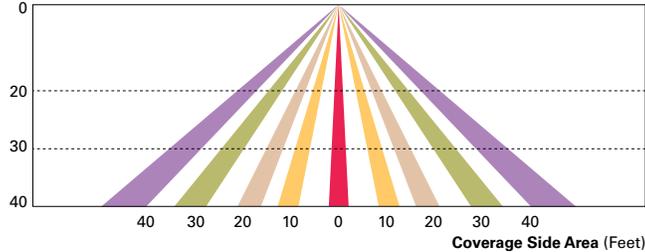


WaveLinx Wireless Control and Monitoring System Available in 7-PIN or 4-PIN configurations, the WaveLinx Outdoor control platform operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. Use the WaveLinx Mobile application for set-up and configuration. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets).

WaveLinx Outdoor Control Module (WOLC-7P-10A) A photocontrol that enables astronomic or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.

WaveLinx Wireless Sensor (SWPD4 and SWPD5) These outdoor sensors offer passive infrared (PIR) occupancy and a photocell for closed loop daylight sensing. These sensors can be factory installed or field-installed via simple, tool-less integration into luminaires equipped with the Zhaga Book 18 compliant 4-PIN receptacle (ZD or ZW). These sensors are factory preset to dim down to approximately 50 percent power after 15 minutes of no activity detected. These occupancy sensors include an integral photocell for "dusk-to-dawn" control or daylight harvesting that is factory-enabled. A variety of sensor lenses are available to optimize the coverage pattern for mounting heights from 7'-40'.

For mounting heights from 16' to 40' (SWPD)



DESCRIPTION

The LuxeScape Collection presents a contemporary, architectural dayform providing superior uniformity and efficient illumination. Designed to enhance urban spaces with beautiful visual appearances and integral control solutions, LuxeScape integrates into any environment while providing high visibility by utilizing industry-leading WaveStream™ LED optics.

| | | |
|--------------------|--|-------------|
| Catalog # | | Type |
| Project | | |
| Comments | | Date |
| Prepared by | | |

SPECIFICATION FEATURES

Construction

Housing assembly is IP66 rated and cast from low copper content corrosion resistant aluminum, maintaining strength and precision to sustain long term dayform appearance. 3G rated construction avoids damages from installation generated vibration. Corrosion-resistant color matching hardware are minimized to enhance appearance.

Optics

Designed for complex site or pedestrian applications, WaveStream™ LED optical waveguide technology produces both symmetric NEMA Type V and asymmetric NEMA III, IV distributions. The waveguide is manufactured from precision injection molded acrylic delivering visual comfort and optically controlled illumination for improved glare control. Luminaire efficacy measures in excess of 100 lm/W for 4000K (+/- 275K) CCT at 70 CRI (min). Optional 3000K CCT at 70 CRI or 3000K CCT at 80 CRI also available.

Electrical

LED drivers are uniquely positioned and mounted for

maximum thermal performance and extended life. Standard 0-10V dimming drivers and surge protection module are designed to withstand 10kV of transient line surge. Drivers operate at 120-277V 50/60Hz with 347V 60Hz or 480V 60Hz operation optional. Suitable for ambient temperature applications as low as -40°C (40°F) to 40°C (104°F). High ambient options available allow for 50°C operation.

Controls

Control options are designed to be simple, cost-effective, energy code, and regulation compliant solutions featuring WaveLinX. See control options page for more details.

Mounting

Invue's aluminum round decorative pole (ARP) offering provides a seamless transition and compliments the contemporary design architecture with its unique sleek taper and base design. The tenon mount pole comes standard with an access door feature integrated into the base.

Arm Mount

The integrated aluminum contemporary upsweep arm is bolted directly to the pole using

an "N" drill pattern. Provides a seamless transition to a 4" or 5" round pole.

Spider & Cantilever Mount

Fitter assembly mounts over 3" O.D. tenon and can be adapted to a 2-3/8" tenon. It is secured via concealed, corrosion resistant set screw and jam screw pairs in six inconspicuous locations. Fitter design provides seamless transition to 4" O.D. round pole top. Optional mounting accessories include a twin arm mount and wall mount arm.

Finish

Cooper Lighting Solutions utilizes premium ultra-weatherable TGIC based polyester powder coatings specifically formulated to withstand extended outdoor exposure while providing decorative appeal. Finish is compliant to 3,000 hour salt spray standard (per ASTM B117). RAL and custom color matches available.

Warranty

Five-year warranty.



LXS LUXESCAPE COLLECTION

DECORATIVE LUMINAIRE

CERTIFICATION DATA

UL/cUL Listed
 FCC Class A
 IEC 60529 IP66 Housing
 ANSI C136.31 3G Vibration
 ASTM A356.0 Low Copper Alloy
 ASTM B117 Salt Spray Tested
 RoHS
 ISO 9001
 DesignLights Consortium® Qualified*
 IDA certified (3000K CCT and warmer only)

ENERGY DATA

Electronic LED Driver
 >0.9 Power Factor
 <20% Total Harmonic Distortion
 120-277V 50/60Hz, 347V 60Hz, 480V 60Hz
 40°C Ambient Temperature Rating
 As low as -40°C (-40°F) minimum temperature
 *See MINIMUM TEMPERATURE table

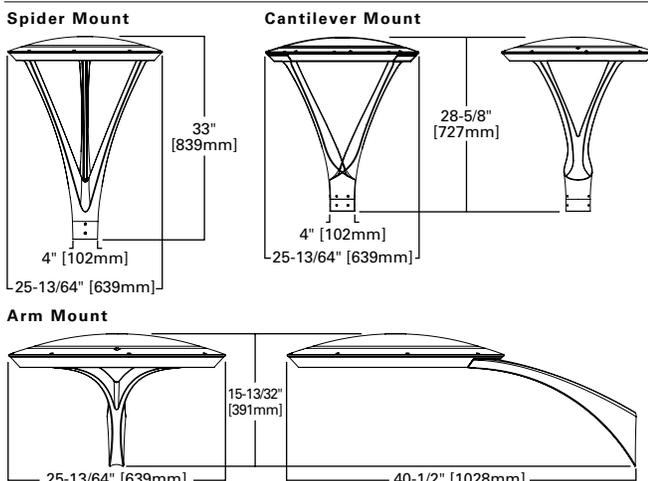
EPA

Effective Projected Area: (Sq. Ft.)
Arm Mount: 1.0
Cantilever Mount: 1.3
Spider Mount: 1.6

SHIPPING DATA

Approximate Net Weight:
Arm Mount Weight: 41 lbs. [18.6 kgs.]
Cantilever Mount Weight: 46 lbs. [20.8 kgs.]
Spider Mount Weight: 53 lbs. [24 kgs.]

DIMENSIONS



CERTIFICATIONS



ORDERING INFORMATION

Sample Number: LXS-VA3-LED-D1-T2-GM-S

| Product Family ^{1,2} | Optic Type | Lumen Package ³ | CRI/CCT | Voltage | Distribution ⁷ | Mounting | Finish |
|-------------------------------|-------------------------------|---|--|---|---|---|--|
| LXS=LuxeScape Collection | VA=Visual Comfort / WaveStrea | 1=Nominal 2,300 Lumens 2=Nominal 4,500 Lumens 3=Nominal 8,500 Lumens 4=Nominal 9,500 Lumens ⁴ | 730=70 CRI / 3000K 740=70 CRI / 4000K 830=70 CRI / 3000K | U=120-277 1=120 2=208 3=240 4=277 8=480 ^{5,6} 9=347 ⁵ | ASC=Asymmetric Curbline ⁸ ASW=Asymmetric Wide ⁹ AST=Asymmetric Transverse ⁹ SYM=Symmetric Round ¹⁰ | A=Arm Mount S=Spider Mount C=Cantilever Mount | AP=Grey BK=Black BZ=Bronze DP=Dark Platinum GM=Graphite Metallic WH=White RALXX=Custom Color ¹¹ |

| Options (Add as Suffix) | Accessories (Order Separately) ²⁰ |
|--|---|
| <p>F=Single Fuse ¹² FF=Double Fuse ¹³ X=Driver Surge only 10MSP=10K MOV Surge Protective Device 20MSP=20kV MOV Surge Protective Device 20K=20kV UL 1449 Fused Surge Protective Device DIM=External 0-10V Dimming Leads ¹⁴ HA=50°C High Ambient Temperature ¹⁵ VS=Vandal Shield ¹⁶ MUSA=Final Assembly in the USA ¹⁷ CC=Coastal Construction ¹⁸ DALI=DALI Driver ¹⁹ BPC=Button Type Photocontrol ²⁰ PR=NEMA 3-PIN Twistlock Photocontrol Receptacle ²¹ PR7=NEMA 7-PIN Twistlock Photocontrol Receptacle ²¹ PC=Twistlock NEMA Photocontrol LLPC=Long Life Twistlock NEMA Photocontrol SC=Shorting Cap MS-L08=Motion Sensor for ON/OFF Operation, Up to 8' Mounting Height ^{22,23,24}</p> | <p>MS-L20=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height ^{22,23,25} MS-L40W=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height ^{22,23,26} MS/DIM-L08=Motion Sensor for Dimming Operation, Up to 8' Mounting Height ^{22,23,24} MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height ^{22,23,25} MS/DIM-L40W=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height ^{22,23,26} ZW=Wavelinx-enabled 4-PIN Twistlock Receptacle and shorting cap installed ^{27,28} ZW-SWPD4WH=Wavelinx Wireless Sensor, 7' - 15' Mounting Height, White ^{27,28} ZW-SWPD5WH=Wavelinx Wireless Sensor, 15' - 40' Mounting Height, White ^{27,28} ZD=DALI Digital operated 4pin connector, using SR Driver within a luminaire only and shorting cap installed ^{27,28} ZD-SWPD4WH=Wavelinx DALI Digital SR Driver, Wireless Sensor, 7' - 15' Mounting Height, White ^{27,28} ZD-SWPD5WH=Wavelinx DALI Digital SR Driver, Wireless Sensor, 15' - 40' Mounting Height, White ^{27,28} DIM10=Synapse Integrated Control Module</p> |
| | <p>FSIR-100=Wireless Configuration Tool for Occupancy Sensor ²⁹ WOLC-7P-10A=WaveLinX Outdoor Control Module (7-PIN) ³⁰ ARPA2=2-3/8" O.D. Tenon Sleeve Adapter ³¹ VA6028-XX=Twinn Mount Arm (EPA 1.36 sq.ft.) ^{31,32} VA6029-XX=Wall Mount Arm ^{31,32} MA1036-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon ³² MA1037-XX=2 @ 180° Tenon Adapter for 2-3/8" O.D. Tenon ³² MA1197-XX=3 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon ³² MA1188-XX=4 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon ³² MA1189-XX=2 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon ³² MA1190-XX=3 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon ³² MA1191-XX=2 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon ³² MA1038-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon ³² MA1039-XX=2 @ 180° Tenon Adapter for 3-1/2" O.D. Tenon ³² MA1192-XX=3 @ 120° Tenon Adapter for 3-1/2" O.D. Tenon ³² MA1193-XX=4 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon ³² MA1194-XX=2 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon ³² MA1195-XX=3 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon ³² SWPD4-WH=Wavelinx Wireless Sensor, 7' - 15' Mounting Height, White ^{27,28,33} SWPD5-WH=Wavelinx Wireless Sensor, 15' - 40' Mounting Height, White ^{27,28,33}</p> |

NOTES:
 1. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information. 2. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. 3. Lumens are nominal. See lumen table for more information. 4. 9,500 Lumen package available only on SYM distribution. 5. Requires the use of a step-down transformer. 6. Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems). 7. Mounting alters distribution, refer to table. 8. NEMA Type III typical. 9. NEMA Type IV typical. 10. NEMA Type V typical. 11. Specify RAL number for Custom Color. Custom color matching available upon request. Consult your lighting representative at Cooper Lighting Solutions for more information. 12. Must specify voltage (120V, 277V, or 347V) to fuse the single hot leg. 13. Must specify voltage (208V, 240V, or 480V) to fuse the both hot legs. 14. Low voltage control leads brought out 18" outside fixture. Not available with control options. 15. Not available in VA3 with Type ASC, ASW and AST distributions. 16. Reduce total lumens by a 0.95 multiplier to accommodate losses. 17. This designates the option for final assembly performed within the USA and USA territories. This is not intended to address all the Federal Acquisition Regulation (FAR) and Defense Federal Acquisition Regulation (DFAR) clauses. 18. Post-coating over the primary finish providing 7,000+ salt spray hours. Extended lead-times can be 4 -10 additional weeks. 19. Only available with VA3 and VA4 lumen packages. 20. Not available with MS-LXX, MS/DIM-LXX, or 347V or 480V options. 21. Not available with MS-LXX, MS/DIM-LXX, or 347V or 480V options. 22. Not available with HA option. 23. The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Cooper Lighting Solutions for more information. 24. Approximately 22" detection diameter at 8' mounting height. 25. Approximately 40" detection diameter at 20' mounting height. 26. Approximately 100' detection diameter at 40' mounting height. 27. Cannot be used in conjunction with photocontrol or other controls systems (BPC, PR, PR7, MS). 28. NWAC Gateway required to enable field-configurability. Order WAC-POE and WPOE-120 (10V to POE injector) power supply if needed. Only compatible with WaveLinX system and software and requires system components to be installed for operation. See website for more WaveLinX application information. 29. This tool enables adjustment of parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Cooper Lighting Solutions for more information. 30. Requires 7-PIN NEMA twistlock photocontrol receptacle. WOLC-7P-10A cannot be used in conjunction with additional sensors or controls. 31. Not vibration rated at this time. Consult your lighting representative at Cooper Lighting Solutions for more information. 32. Replace XX with color designation. 33. Requires ZW or ZD.

ARP ORDERING INFORMATION (ALUMINUM DECORATIVE POLE)

SAMPLE NUMBER: ARP5L310ABZ2

| Product Family | Shaft Size (Inches) ¹ | Wall Thickness (Inches) | Pole Top Diameter (Inches) | Mounting Height (Feet) | Base Type | Finish | Mounting Type | Number and Location of Arms | Options (Add as Suffix) |
|---------------------------------------|----------------------------------|-------------------------|--|---|--------------------------------|---|--|-----------------------------|--|
| ARP=Aluminum Round Tapered Decorative | 5=5" | L=0.156" M=0.188" | 3=3" O.D. ² 6=4" O.D. ³ | 10=10' 12=12' 14=14' 16=16' ⁴ 18=18' ⁴ 22=22' ⁴ | A=Aluminum (Round 4-Bolt Pole) | AP=Grey BA=Anodized Bronze BK=Black BZ=Bronze CA=Anodized Clear DA=Anodized Black DP=Dark Platinum GM=Graphite Metallic GN=Hartford Green WH=White | 2=2-3/8" O.D. Tenon (4" Long) 5=3" O.D. Tenon (4" Long) | X=None | C=Convenience Outlet ⁵ E=GFCl Convenience Outlet ⁵ G=Ground Lug V=Vibration Dampener ⁴ |

NOTES 1 All shaft sizes nominal. 2 Provides 3" O.D. pole top suited for Arbor Post Top. 3 Provides 4" O.D. pole top suited for LuxeScape post tops. 4 Vibration damper recommended over 18 feet add suffix "V" to catalog number. 5 Specify outlet location. Receptacle not included, provision only.

POWER AND LUMENS

| Lumen Package | | | VA1 | VA2 | VA3 | VA4 | |
|-------------------------------|--------------------|----------------------------------|-----------------|----------|----------|----------|----------|
| Drive Current | | | | | | | |
| Power Wattage (Watts)* | | | 24W | 48W | 96W | 99W | |
| Input Current (mA) @ 120V | | | 200 | 400 | 800 | 830 | |
| Input Current (mA) @ 277V | | | 90 | 180 | 350 | 360 | |
| Power Wattage (Watts)* | | | 28W | 55W | 114W | 108W | |
| Input Current (mA) @ 347V | | | 79 | 161 | 325 | 328 | |
| Input Current (mA) @ 480V | | | 58 | 117 | 235 | 237 | |
| CRI/CCT (Nominal) | Mounting | Distribution | | | | | |
| 730: 70CRI/3000K | A: Arm | ASC: Asymmetric Curbline | Lumens | 1,949 | 3,740 | 6,730 | -- |
| | | | Lumens per Watt | 81.2 | 77.9 | 68.0 | -- |
| | | | BUG Rating | B1-U0-G1 | B2-U0-G2 | B3-U0-G3 | -- |
| | | | NEMA Type | III | III | III | -- |
| | | ASW: Asymmetric Wide | Lumens | 2,323 | 4,458 | 8,022 | -- |
| | | | Lumens per Watt | 96.8 | 92.9 | 81.0 | -- |
| | | | BUG Rating | B1-U0-G1 | B1-U0-G2 | B2-U0-G3 | -- |
| | | | NEMA Type | IV | IV | IV | -- |
| | | AST: Asymmetric Transverse | Lumens | 2,400 | 4,607 | 8,291 | -- |
| | | | Lumens per Watt | 100.0 | 96.0 | 83.7 | -- |
| | | | BUG Rating | B1-U0-G1 | B1-U0-G2 | B2-U0-G3 | -- |
| | | | NEMA Type | IV | IV | IV | -- |
| | | SYM: Symmetric Round | Lumens | 2,485 | 4,958 | 9,111 | 10,571 |
| | | | Lumens per Watt | 118.3 | 120.9 | 105.9 | 110.1 |
| | | | BUG Rating | B2-U0-G1 | B3-U0-G2 | B3-U0-G2 | B4-U0-G3 |
| | | | NEMA Type | V | V | V | V |
| | S: Spider Mount | ASC: Asymmetric Curbline | Lumens | 1,780 | 3,417 | 6,148 | -- |
| | | | Lumens per Watt | 74.2 | 71.2 | 62.1 | -- |
| | | | BUG Rating | B1-U1-G1 | B2-U1-G2 | B3-U1-G3 | -- |
| | | | NEMA Type | III | III | III | -- |
| | | ASW: Asymmetric Wide | Lumens | 2,097 | 4,024 | 7,242 | -- |
| | | | Lumens per Watt | 87.4 | 83.8 | 73.2 | -- |
| | | | BUG Rating | B1-U1-G1 | B1-U1-G2 | B2-U1-G2 | -- |
| | | | NEMA Type | III | III | III | -- |
| | | AST: Asymmetric Transverse | Lumens | 2,198 | 4,218 | 7,590 | -- |
| | | | Lumens per Watt | 91.6 | 87.9 | 76.7 | -- |
| | | | BUG Rating | B1-U1-G1 | B1-U1-G2 | B2-U1-G3 | -- |
| | | | NEMA Type | IV | IV | IV | -- |
| SYM: Symmetric Round | | Lumens | 2,305 | 4,600 | 8,452 | 9,807 | |
| | | Lumens per Watt | 109.8 | 112.2 | 98.3 | 102.2 | |
| | | BUG Rating | B2-U1-G1 | B3-U1-G2 | B3-U2-G2 | B4-U2-G3 | |
| | | NEMA Type | V | V | V | V | |

POWER AND LUMENS

| Lumen Package | | | VA1 | VA2 | VA3 | VA4 | |
|-------------------|----------------------------|----------------------------------|-----------------|----------|----------|----------|----|
| CRI/CCT (Nominal) | Mounting | Distribution | | | | | |
| 730: 70CRI/3000K | C: Cantilever Mount | ASC: Asymmetric Curbline | Lumens | 1,857 | 3,564 | 6,414 | -- |
| | | | Lumens per Watt | 77.4 | 74.3 | 64.8 | -- |
| | | | BUG Rating | B1-U1-G1 | B2-U1-G2 | B3-U1-G3 | -- |
| | | | NEMA Type | III | III | III | -- |
| | | ASW: Asymmetric Wide | Lumens | 2,213 | 4,248 | 7,645 | -- |
| | | | Lumens per Watt | 92.2 | 88.5 | 77.2 | -- |
| | | | BUG Rating | B1-U1-G1 | B1-U1-G2 | B2-U1-G3 | -- |
| | | | NEMA Type | IV | IV | IV | -- |
| | | AST: Asymmetric Transverse | Lumens | 2,324 | 4,460 | 8,025 | -- |
| | | | Lumens per Watt | 96.8 | 92.9 | 81.1 | -- |
| | | | BUG Rating | B1-U1-G1 | B1-U1-G2 | B2-U1-G3 | -- |
| | | | NEMA Type | IV | IV | IV | -- |
| | SYM: Symmetric Round | Lumens | 2,342 | 4,674 | 8,588 | 9,965 | |
| | | Lumens per Watt | 111.5 | 114.0 | 99.9 | 103.8 | |
| | | BUG Rating | B2-U1-G1 | B3-U1-G2 | B3-U2-G2 | B4-U2-G3 | |
| | | NEMA Type | V | V | V | V | |
| 740: 70CRI/4000K | A: Arm | ASC: Asymmetric Curbline | Lumens | 2,105 | 4,040 | 7,270 | -- |
| | | | Lumens per Watt | 87.7 | 84.2 | 73.4 | -- |
| | | | BUG Rating | B1-U0-G1 | B2-U0-G2 | B3-U0-G3 | -- |
| | | | NEMA Type | III | III | III | -- |
| | | ASW: Asymmetric Wide | Lumens | 2,509 | 4,816 | 8,666 | -- |
| | | | Lumens per Watt | 104.5 | 100.3 | 87.5 | -- |
| | | | BUG Rating | B1-U0-G1 | B1-U0-G2 | B2-U0-G3 | -- |
| | | | NEMA Type | IV | IV | IV | -- |
| | | AST: Asymmetric Transverse | Lumens | 2,593 | 4,977 | 8,956 | -- |
| | | | Lumens per Watt | 108.0 | 103.7 | 90.5 | -- |
| | | | BUG Rating | B1-U0-G1 | B2-U0-G2 | B2-U0-G3 | -- |
| | | | NEMA Type | IV | IV | IV | -- |
| | SYM: Symmetric Round | Lumens | 2,684 | 5,356 | 9,842 | 11,420 | |
| | | Lumens per Watt | 127.8 | 130.6 | 114.4 | 119.0 | |
| | | BUG Rating | B2-U0-G1 | B3-U0-G2 | B3-U0-G3 | B4-U0-G3 | |
| | | NEMA Type | V | V | V | V | |

POWER AND LUMENS

| Lumen Package | | | VA1 | VA2 | VA3 | VA4 | |
|----------------------------|----------------------|----------------------------|-----------------|----------|----------|----------|----|
| CRI/CCT (Nominal) | Mounting | Distribution | | | | | |
| 740: 70CRI/4000K | S: Spider Mount | ASC: Asymmetric Curbline | Lumens | 1,923 | 3,691 | 6,642 | -- |
| | | | Lumens per Watt | 80.1 | 76.9 | 67.1 | -- |
| | | | BUG Rating | B1-U1-G1 | B2-U1-G2 | B3-U1-G3 | -- |
| | | | NEMA Type | III | III | III | -- |
| | | ASW: Asymmetric Wide | Lumens | 2,265 | 4,347 | 7,823 | -- |
| | | | Lumens per Watt | 94.4 | 90.6 | 79.0 | -- |
| | | | BUG Rating | B1-U1-G1 | B1-U1-G2 | B2-U1-G2 | -- |
| | | | NEMA Type | III | III | III | -- |
| | | AST: Asymmetric Transverse | Lumens | 2,374 | 4,557 | 8,200 | -- |
| | | | Lumens per Watt | 98.9 | 94.9 | 82.8 | -- |
| | | | BUG Rating | B1-U1-G1 | B1-U1-G2 | B2-U1-G3 | -- |
| | | | NEMA Type | IV | IV | IV | -- |
| | SYM: Symmetric Round | Lumens | 2,490 | 4,969 | 9,131 | 10,595 | |
| | | Lumens per Watt | 118.6 | 121.2 | 106.2 | 110.4 | |
| | | BUG Rating | B2-U1-G1 | B3-U1-G2 | B3-U2-G3 | B4-U2-G3 | |
| | | NEMA Type | V | V | V | V | |
| | C: Cantilever Mount | ASC: Asymmetric Curbline | Lumens | 2,006 | 3,850 | 6,929 | -- |
| | | | Lumens per Watt | 83.6 | 80.2 | 70.0 | -- |
| | | | BUG Rating | B1-U1-G1 | B2-U1-G2 | B3-U1-G3 | -- |
| | | | NEMA Type | III | III | III | -- |
| | | ASW: Asymmetric Wide | Lumens | 2,391 | 4,589 | 8,258 | -- |
| | | | Lumens per Watt | 99.6 | 95.6 | 83.4 | -- |
| | | | BUG Rating | B1-U1-G1 | B1-U1-G2 | B2-U1-G3 | -- |
| | | | NEMA Type | IV | IV | IV | -- |
| AST: Asymmetric Transverse | | Lumens | 2,510 | 4,818 | 8,669 | -- | |
| | | Lumens per Watt | 104.6 | 100.4 | 87.6 | -- | |
| | | BUG Rating | B1-U1-G1 | B1-U1-G2 | B2-U1-G3 | -- | |
| | | NEMA Type | IV | IV | IV | -- | |
| SYM: Symmetric Round | Lumens | 2,530 | 5,049 | 9,277 | 10,765 | | |
| | Lumens per Watt | 120.5 | 123.1 | 107.9 | 112.1 | | |
| | BUG Rating | B2-U1-G1 | B3-U1-G2 | B3-U2-G3 | B4-U2-G3 | | |
| | NEMA Type | V | V | V | V | | |

POWER AND LUMENS

| Lumen Package | | | VA1 | VA2 | VA3 | VA4 | |
|----------------------------------|----------------------------|----------------------------------|-----------------|----------|----------|----------|----|
| CRI/CCT (Nominal) | Mounting | Distribution | | | | | |
| 830: 80CRI/3000K | A: Arm | ASC: Asymmetric Curbline | Lumens | 1,758 | 3,374 | 6,072 | -- |
| | | | Lumens per Watt | 73.2 | 70.3 | 61.3 | -- |
| | | | BUG Rating | B1-U0-G1 | B2-U0-G2 | B3-U0-G3 | -- |
| | | | NEMA Type | III | III | III | -- |
| | | ASW: Asymmetric Wide | Lumens | 2,096 | 4,022 | 7,238 | -- |
| | | | Lumens per Watt | 87.3 | 83.8 | 73.1 | -- |
| | | | BUG Rating | B1-U0-G1 | B1-U0-G2 | B2-U0-G2 | -- |
| | | | NEMA Type | IV | IV | IV | -- |
| | | AST: Asymmetric Transverse | Lumens | 2,166 | 4,157 | 7,480 | -- |
| | | | Lumens per Watt | 90.2 | 86.6 | 75.6 | -- |
| | | | BUG Rating | B1-U0-G1 | B1-U0-G2 | B2-U0-G3 | -- |
| | | | NEMA Type | IV | IV | IV | -- |
| | SYM: Symmetric Round | Lumens | 2,242 | 4,473 | 8,220 | 9,538 | |
| | | Lumens per Watt | 106.8 | 109.1 | 95.6 | 99.4 | |
| | | BUG Rating | B2-U0-G1 | B3-U0-G2 | B3-U0-G2 | B3-U0-G2 | |
| | | NEMA Type | V | V | V | V | |
| | S: Spider Mount | ASC: Asymmetric Curbline | Lumens | 1,606 | 3,083 | 5,547 | -- |
| | | | Lumens per Watt | 66.9 | 64.2 | 56.0 | -- |
| | | | BUG Rating | B1-U1-G1 | B2-U1-G2 | B3-U1-G3 | -- |
| | | | NEMA Type | III | III | III | -- |
| | | ASW: Asymmetric Wide | Lumens | 1,892 | 3,631 | 6,534 | -- |
| | | | Lumens per Watt | 78.8 | 75.6 | 66.0 | -- |
| | | | BUG Rating | B1-U1-G1 | B1-U1-G1 | B2-U1-G2 | -- |
| | | | NEMA Type | III | III | III | -- |
| AST: Asymmetric Transverse | | Lumens | 1,983 | 3,806 | 6,848 | -- | |
| | | Lumens per Watt | 82.6 | 79.3 | 69.2 | -- | |
| | | BUG Rating | B1-U1-G1 | B1-U1-G2 | B2-U1-G3 | -- | |
| | | NEMA Type | IV | IV | IV | -- | |
| SYM: Symmetric Round | Lumens | 2,080 | 4,150 | 7,626 | 8,849 | | |
| | Lumens per Watt | 99.0 | 101.2 | 88.7 | 92.2 | | |
| | BUG Rating | B2-U1-G1 | B3-U1-G2 | B3-U2-G2 | B3-U2-G3 | | |
| | NEMA Type | V | V | V | V | | |

POWER AND LUMENS

| Lumen Package | | | VA1 | VA2 | VA3 | VA4 | |
|-------------------|------------------------|----------------------------------|-----------------|----------|----------|----------|----------|
| CRI/CCT (Nominal) | Mounting | Distribution | | | | | |
| 830: 80CRI/3000K | C: Cantilever Mount | ASC: Asymmetric Curbline | Lumens | 1,675 | 3,216 | 5,787 | -- |
| | | | Lumens per Watt | 69.8 | 67.0 | 58.5 | -- |
| | | | BUG Rating | B1-U1-G1 | B2-U1-G2 | B3-U1-G3 | -- |
| | | | NEMA Type | III | III | III | -- |
| | | ASW: Asymmetric Wide | Lumens | 1,997 | 3,833 | 6,897 | -- |
| | | | Lumens per Watt | 83.2 | 79.9 | 69.7 | -- |
| | | | BUG Rating | B1-U1-G1 | B1-U1-G2 | B2-U1-G2 | -- |
| | | | NEMA Type | IV | IV | IV | -- |
| | | AST: Asymmetric Transverse | Lumens | 2,096 | 4,024 | 7,241 | -- |
| | | | Lumens per Watt | 87.3 | 83.8 | 73.1 | -- |
| | | | BUG Rating | B1-U1-G1 | B1-U1-G2 | B2-U1-G3 | -- |
| | | | NEMA Type | IV | IV | IV | -- |
| | | SYM: Symmetric Round | Lumens | 2,113 | 4,217 | 7,748 | 8,991 |
| | | | Lumens per Watt | 100.6 | 102.9 | 90.1 | 93.7 |
| | | | BUG Rating | B2-U1-G1 | B3-U1-G2 | B3-U2-G2 | B3-U2-G3 |
| | | | NEMA Type | V | V | V | V |

LUMEN MULTIPLIER

| Ambient Temperature | Lumen Multiplier |
|---------------------|------------------|
| 0°C | 1.02 |
| 10°C | 1.01 |
| 25°C | 1.00 |
| 40°C | 0.99 |
| 50°C | 0.97 |

MINIMUM AMBIENT TEMPERATURE

| Lumen Package | Temperature |
|---------------------------------|-------------|
| VA1 | -40°C |
| VA2 | -35°C |
| VA3 | -35°C |
| VA4 | -40°C |
| All DALI powered lumen packages | -20°C |

LUMEN MAINTENANCE (TM-21)

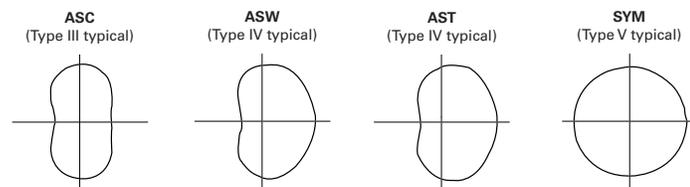
| Ambient Temperature | 25,000 hours* | 50,000 hours* | 60,000 hours* | 100,000 hours** | Theoretical L70 (Hours)** |
|---------------------|---------------|---------------|---------------|-----------------|---------------------------|
| 25°C | 94.4% | 90.4% | 89.0% | 83.0% | >199,000 |
| 40°C | 94.6% | 90.9% | 89.4% | 83.9% | >212,000 |
| 50°C | 91.8% | 87.0% | 85.2% | 78.2% | >151,000 |

NOTES:

* Supported by IESTM-21 standards

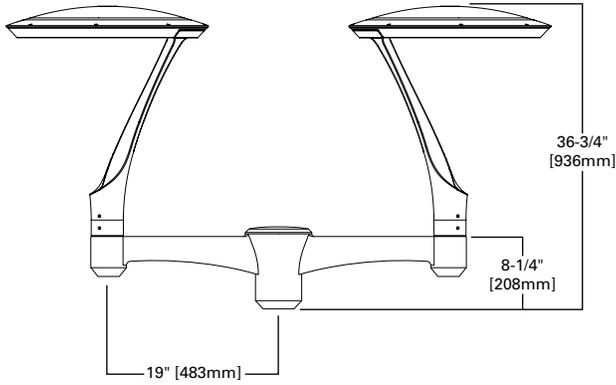
** Theoretical values represent estimations commonly used; however, refer to the IES position on LED Product Lifetime Prediction, IES PS-10-18, that explains proper use of IESTM-21 and LM-80.

OPTICAL DISTRIBUTIONS (Arm mount shown, distribution dependent on mounting)

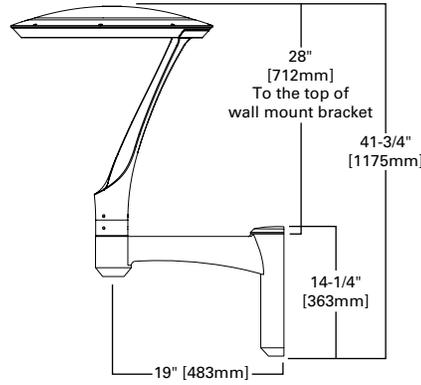


MOUNTING CONFIGURATIONS (EPAS INCLUDES FIXTURE)

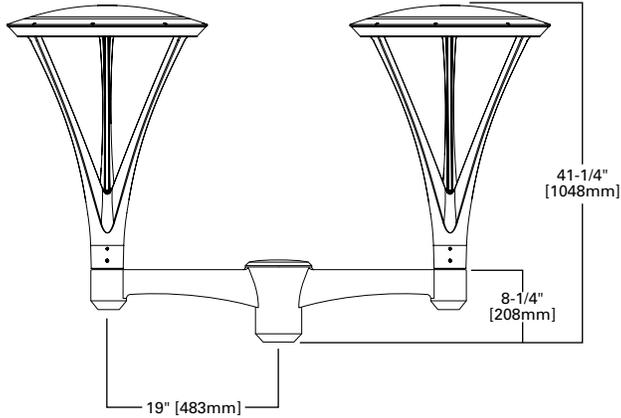
Twin mount arm (shown with Cantilever mount)



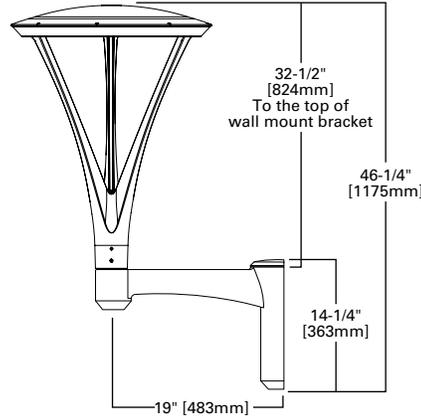
Wall mount arm (shown with Cantilever mount)



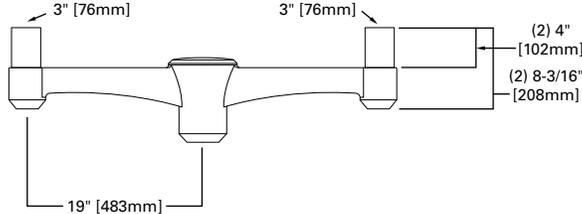
Twin mount arm (shown with Spider mount)



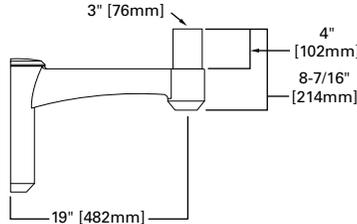
Wall mount arm (shown with Spider mount)



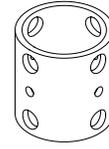
Twin mount arm (EPA 1.36)



Wall Mount Arm



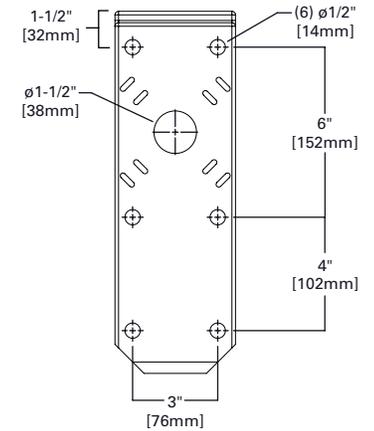
MOUNTING REQUIREMENTS CHART



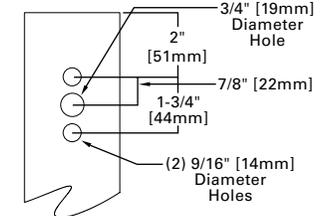
| | | |
|----------------------------------|---------------------|-----------------|
| Pole Top O.D. (Inches) | 4" | |
| Tenon O.D. (Inches) | 2-3/8" Tenon | 3" Tenon |
| Post Top | ARPA2* | Standard |
| Twin Mount Arm | ARPA2* | Standard |

* Required for stability. Order separately.

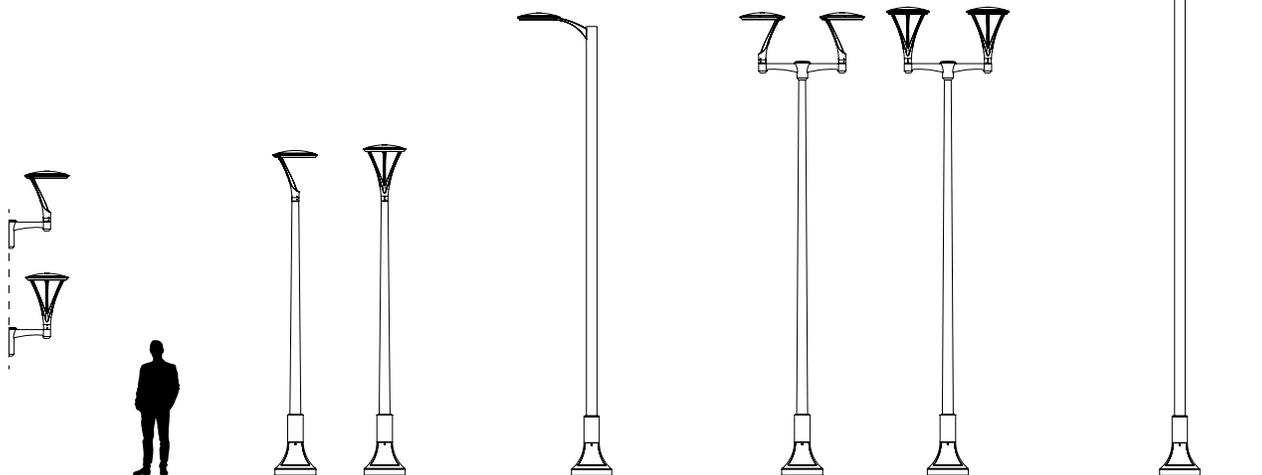
WALL MOUNT ARM DRILL PATTERN



TYPE "N"



POLE CONFIGURATIONS (ARP DECORATIVE POLE SHOWN)



Wall mount arm
8-10 ft. Mounting heights
(Spider / Cantilever mount only)

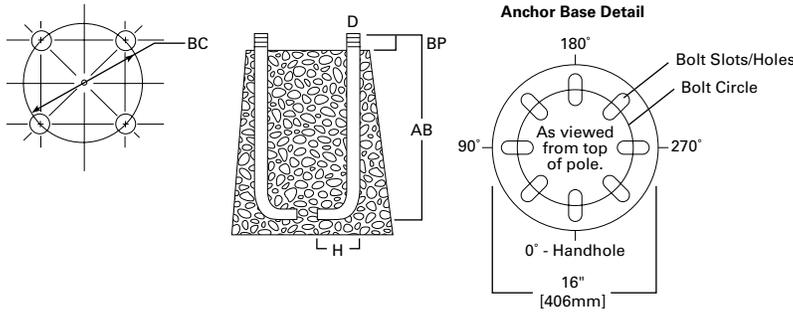
Single post top
10-18 ft. Mounting heights
(Spider / Cantilever mount only)

Single mount arm
18-22 ft. Mounting heights

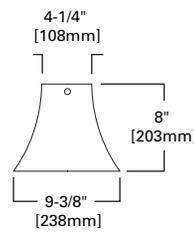
Twin mount arm
18-22 ft. Mounting heights
(Spider / Cantilever mount only)

Twin mount arm
18-25 ft. Mounting heights

ANCHORAGE DATA



ACCESS DOOR



| Pole | Anchor Bolt and Template Package | Shaft Diameter (inches) | Bolt Circle (inches) | Number of Bolts | Bolt Size (inches) | Template Only |
|--------------------------------------|----------------------------------|-------------------------|----------------------|-----------------|--------------------|---------------|
| Aluminum Round Decorative Pole (ARP) | 317AVE30 | 4 x 5 | 9 | 4 | 3/4 x 17 | 407040D |

Effective Projected Area (At Pole Top)

| Mounting Height (Feet) | Catalog Number | Wall Thickness (Inches) | Bolt Circle Diameter (Inches) | Anchor Bolt Projection (Inches) | Shaft Taper (Inches) | Anchor Bolt Diameter x Length x Hook (Inches) | Net Weight (Pounds) | Maximum Effective Projected Area (Square Feet) (1.3 gust factor) | | | Max. Load (Pounds) |
|------------------------|----------------|-------------------------|-------------------------------|---------------------------------|----------------------|---|---------------------|--|--------|---------|--------------------|
| | | | | | | | | 80 mph | 90 mph | 100 mph | |
| MH | | | BC | BP | B | AB¹ | | | | | |
| 10 | ARP5L310A | 0.156 | 9.0 | 3.5 | 5 x 3 | 3/4 x 17 x 3 | 57 | 20.0 | 17.5 | 14.1 | 120 |
| 10 | ARP5L610A | 0.156 | 9.0 | 3.5 | 5 X 4 | 3/4 x 17 x 3 | 57 | 17.0 | 13.3 | 10.7 | 120 |
| 12 | ARP5L312A | 0.156 | 9.0 | 3.5 | 5 x 3 | 3/4 x 17 x 3 | 62 | 18.2 | 14.1 | 11.2 | 120 |
| 12 | ARP5L612A | 0.156 | 9.0 | 3.5 | 5 X 4 | 3/4 x 17 x 3 | 62 | 14.1 | 10.9 | 8.7 | 120 |
| 14 | ARP5L314A | 0.156 | 9.0 | 3.5 | 5 x 3 | 3/4 x 17 x 3 | 67 | 14.8 | 11.4 | 9.0 | 120 |
| 14 | ARP5L614A | 0.156 | 9.0 | 3.5 | 5 X 4 | 3/4 x 17 x 3 | 67 | 11.7 | 9.0 | 7.1 | 120 |
| 16 | ARP5L316A | 0.156 | 9.0 | 3.5 | 5 x 3 | 3/4 x 17 x 3 | 72 | 12.0 | 9.1 | 7.0 | 120 |
| 16 | ARP5L616A | 0.156 | 9.0 | 3.5 | 5 X 4 | 3/4 x 17 x 3 | 72 | 9.4 | 7.1 | 5.6 | 120 |
| 18 | ARP5L318A | 0.156 | 9.0 | 3.5 | 5 x 3 | 3/4 x 17 x 3 | 77 | 9.5 | 7.1 | 5.4 | 120 |
| 18 | ARP5L618A | 0.156 | 9.0 | 3.5 | 5 X 4 | 3/4 x 17 x 3 | 77 | 7.6 | 5.6 | 4.3 | 120 |
| 18 | ARP5M618A | 0.188 | 9.0 | 3.5 | 5 X 4 | 3/4 x 17 x 3 | 83 | 9.5 | 7.1 | 5.6 | 120 |

Effective Projected Area (18" Above Pole Top)

| Mounting Height (Feet) | Catalog Number | Wall Thickness (Inches) | Bolt Circle Diameter (Inches) | Anchor Bolt Projection (Inches) | Shaft Taper (Inches) | Anchor Bolt Diameter x Length x Hook (Inches) | Net Weight (Pounds) | Maximum Effective Projected Area (Square Feet) (1.3 gust factor) | | | Max. Load (Pounds) |
|------------------------|----------------|-------------------------|-------------------------------|---------------------------------|----------------------|---|---------------------|--|--------|---------|--------------------|
| | | | | | | | | 80 mph | 90 mph | 100 mph | |
| MH | | | BC | BP | B | AB¹ | | | | | |
| 10 | ARP5L310A | 0.156 | 9.0 | 3.5 | 5 x 3 | 3/4 x 17 x 3 | 57 | 19.6 | 15.3 | 12.3 | 120 |
| 10 | ARP5L610A | 0.156 | 9.0 | 3.5 | 5 X 4 | 3/4 x 17 x 3 | 57 | 17.0 | 13.3 | 10.7 | 120 |
| 12 | ARP5L312A | 0.156 | 9.0 | 3.5 | 5 x 3 | 3/4 x 17 x 3 | 62 | 16.1 | 12.5 | 9.9 | 120 |
| 12 | ARP5L612A | 0.156 | 9.0 | 3.5 | 5 X 4 | 3/4 x 17 x 3 | 62 | 14.1 | 10.9 | 8.7 | 120 |
| 14 | ARP5L314A | 0.156 | 9.0 | 3.5 | 5 x 3 | 3/4 x 17 x 3 | 67 | 13.2 | 10.1 | 8.0 | 120 |
| 14 | ARP5L614A | 0.156 | 9.0 | 3.5 | 5 X 4 | 3/4 x 17 x 3 | 67 | 11.7 | 9.0 | 7.1 | 120 |
| 16 | ARP5L316A | 0.156 | 9.0 | 3.5 | 5 x 3 | 3/4 x 17 x 3 | 72 | 10.6 | 8.0 | 6.2 | 120 |
| 16 | ARP5L616A | 0.156 | 9.0 | 3.5 | 5 X 4 | 3/4 x 17 x 3 | 72 | 9.4 | 7.1 | 5.6 | 120 |
| 18 | ARP5L318A | 0.156 | 9.0 | 3.5 | 5 x 3 | 3/4 x 17 x 3 | 77 | 8.5 | 6.4 | 4.8 | 120 |
| 18 | ARP5L618A | 0.156 | 9.0 | 3.5 | 5 X 4 | 3/4 x 17 x 3 | 77 | 7.6 | 5.6 | 4.3 | 120 |
| 18 | ARP5M618A | 0.188 | 9.0 | 3.5 | 5 X 4 | 3/4 x 17 x 3 | 83 | 9.5 | 7.1 | 5.6 | 120 |

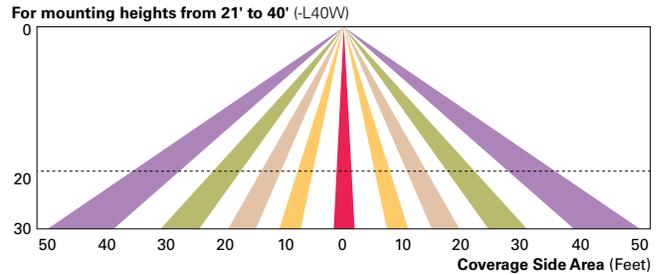
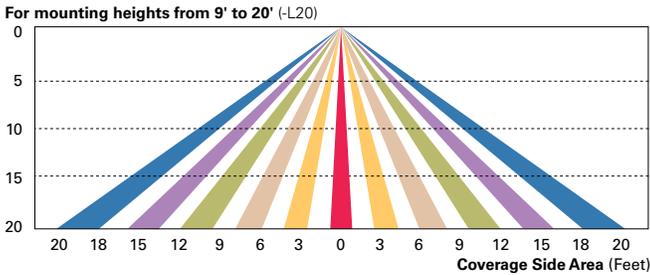
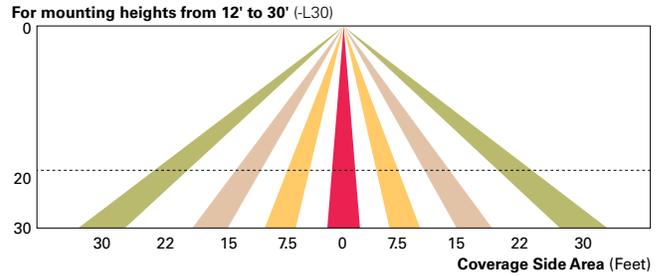
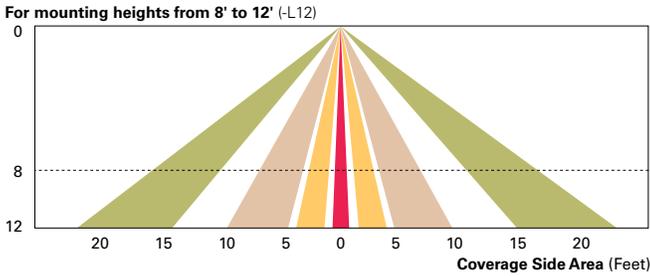
CONTROL OPTIONS

0-10V (D) The dimming option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (PER and PER7) Photocontrol receptacles provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

Dimming Occupancy Sensor (MS) These sensors are factory installed in the luminaire housing. When a sensor for dimming operation (/DIM) option is selected, the luminaire will dim down to approximately 50 percent power after five minutes of no activity detected. When activity is detected, the luminaire returns to full light output. When a sensor for ON/OFF operation is selected, the luminaire will turn off after five minutes of no activity.

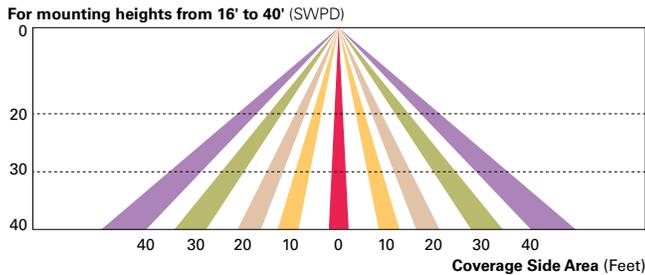
These occupancy sensors include an integral photocell that can be activated or inactivated with the programming remote / configuration tool for "dusk-to-dawn" control or "daylight harvesting". Note: For MS sensors, the factory preset is OFF (Disabled). The programming remote / tool is a wireless tool that can be utilized to change the dimming level, time delay, sensitivity and other parameters. A variety of sensor lenses are available to optimize the coverage pattern for mounting heights from 8'-40'.



WaveLinx Wireless Control and Monitoring System Available in 7-PIN or 4-PIN configurations, the WaveLinx Outdoor control platform operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. Use the WaveLinx Mobile application for set-up and configuration. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets).

WaveLinx Outdoor Control Module (WOLC-7P-10A) A photocontrol that enables astronomic or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.

WaveLinx Wireless Sensor (SWPD4 and SWPD5) These outdoor sensors offer passive infrared (PIR) occupancy and a photocell for closed loop daylight sensing. These sensors can be factory installed or field-installed via simple, tool-less integration into luminaires equipped with the Zhaga Book 18 compliant 4-PIN receptacle (ZD or ZW). These sensors are factory preset to dim down to approximately 50 percent power after 15 minutes of no activity detected. These occupancy sensors include an integral photocell for "dusk-to-dawn" control or daylight harvesting that is factory-enabled. A variety of sensor lenses are available to optimize the coverage pattern for mounting heights from 7'-40'.



Date: _____ Customer: _____

Project: _____

Type: _____ Qty: _____



Exelia Gen5 LED



Order Code: _____

| | | | | | | | | |
|---------------------|---------------------------------------|--|---|--|---|---|---|--|
| Series | EXRL Exelia Gen5 LED | | | | | | | |
| Nominal Overall Ht. | 08 8 ft | 09 9 ft | 10 10 ft | 11 11 ft | 12 12 ft | 13 13 ft | 14 14 ft | |
| | 15 15 ft | 16 16 ft | 17 17 ft | 18 18 ft | 19 19 ft | 20 20 ft | | |
| Optic | R1 Type I | R2 Type II | R3 Type III | R3W Type III (Wide) | R4 Type IV | R5R Type V (Round) | R5S Type V (Square) | R5Q Type V (Rectangular) |
| Light Engine | 5G350 nominal 33W | 5G530 nominal 48W | 5G700 nominal 64W | 5G105 nominal 97W | 5G140 nominal 126W | | | |
| CCT | 30 3000K | 40 4000K | | | | | For other CCT please consult factory | |
| Finish | WH White | BK Black | BL Semi-Matte Black | BZ Bronze | SV Silver | SP Specify Premium Color | | |
| Voltage | UNV 120-277V | 120 120V | 208 208V | 240 240V | 277 277V | 347 ^{1,2} 347V | 480 ^{1,2} 480V | 1 Not available with HL50 2 Requires step-down transformer |
| Options | DM ⁶ Dimming (0-10V) | HL50 ^{3,6} Hi-Lo Switching Low Output 50% | HS ⁴ House Side Shield | REC ^{8,9} 120V GFCI Receptacle with weatherproof cover | REC2 ^{8,9} 120V GFCI Receptacle with padlockable in-use cover | REC3 ^{8,9} USB & Duplex Receptacle with weatherproof cover | REC4 ^{8,9} USB & Duplex Receptacle with weatherproof padlockable in-use cover | 3 120V, 240V and 277V only 4 Type I, II, III and IV only 5 See page 5 for details 6 DM or HL50 only, cannot be combined 7 Recommended depending on local site conditions regarding wind vibrations 8 120V only 9 See page 4 for details |
| | PC Photocell | VI ⁷ Vibration Dampener (consult factory) | MS ⁵ Motion Sensor | | | | | |

Product Modifications

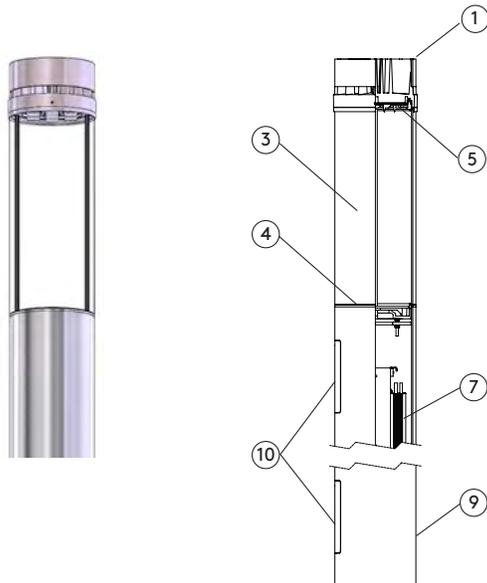
Please list modification requirements for review by factory:

Approvals



Date: _____

EXRL



Specifications

1. Luminaire Cover / External Heat Sink -

Low copper, marine-grade aluminum die cast cover, with shroud for smooth crisp form to reflect and complement the column design. Designed for optimal heat dissipation even in high temperature environments.

2. Gasketing - (not shown) Continuous one piece gaskets made from UV and ozone resistant silicone. Molded gaskets ensure IP65 rating, dust, and insect control throughout the luminaire head.

3. Shielding - Clear, impact resistant, UV stabilized polycarbonate cylinder creates optical chamber, minimum wall thickness 0.118" (3mm). IK10 rated.

4. Column Fitter - Low copper, marine-grade aluminum die-cast fitter, with built-in gasketing ridges, for smooth transition to column.

5. LED Array - High Flux LEDs mounted to metal core PCB and attached to external heat sink for maximum LED performance and life. CCT tolerance within a 3 step bin and provided with a minimum CRI of 80. LED light engine has a reported lumen maintenance of 97.5% at 50,000 hours. L70 calculated greater than 100,000 hours.

6. LED Optics - (not shown) Proprietary technical Optics (R1, R2, R3, R4, R5S and R5R) use Selux signature light pattern acrylic lens holder to secure proprietary silicone optics. Internal micro house side shield available for distributions types I, II, III & IV.

7. LED Driver - LEDs are driven by RoHS compliant constant current programmable LED driver. Driver includes 0-10V dimming to 10%, meets the requirements of IP66. Driver assembly located inside the column and accessible through the upper hand hole.

8. Surge Protector - (not shown) Designed to protect luminaire from electrical surge (20kA).

9. Column Body - 200mm extruded smooth marine-grade aluminium, minimum wall thickness 0.118" (3mm).

10. Access Doors - Upper and lower 4" x 7" (76mm x 178mm) hand holes provided for in-field column assembly and maintenance. Flush cover and stainless steel tamper-resistant hardware included.

Exterior Luminaire Finish - Selux utilizes a high quality Polyester Powder Coating. All Selux luminaires and poles are finished in our Tiger Drylac certified facility and undergo a five stage intensive pretreatment process where product is thoroughly cleaned, phosphated and sealed. Selux powder coated products provide excellent salt and humidity resistance as well as ultraviolet resistance for color retention. All products are tested in accordance with test specifications for coatings from ASTM and PCI.

Standard exterior colors are White (WH), Black (BK), Bronze (BZ), Semi-Matte Black (BL), and Silver (SV). Selux premium colors (SP) are available, please specify from your Selux color selection guide..

5 Year Limited LED Luminaire Warranty - Selux offers a 5 Year Limited Warranty to the original purchaser that the Exelia LED luminaire shall be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers the LED driver and LED array when installed and operated according to Selux instructions. For details, see "Selux Terms and Condition of Sale."

Listings and Ratings: Tested to NRTL Wet Location and IESNA LM-79-08 standards. LED tested to LM-80 standards. Luminaire and LED tested at 25°C (77°F) ambient temperature.

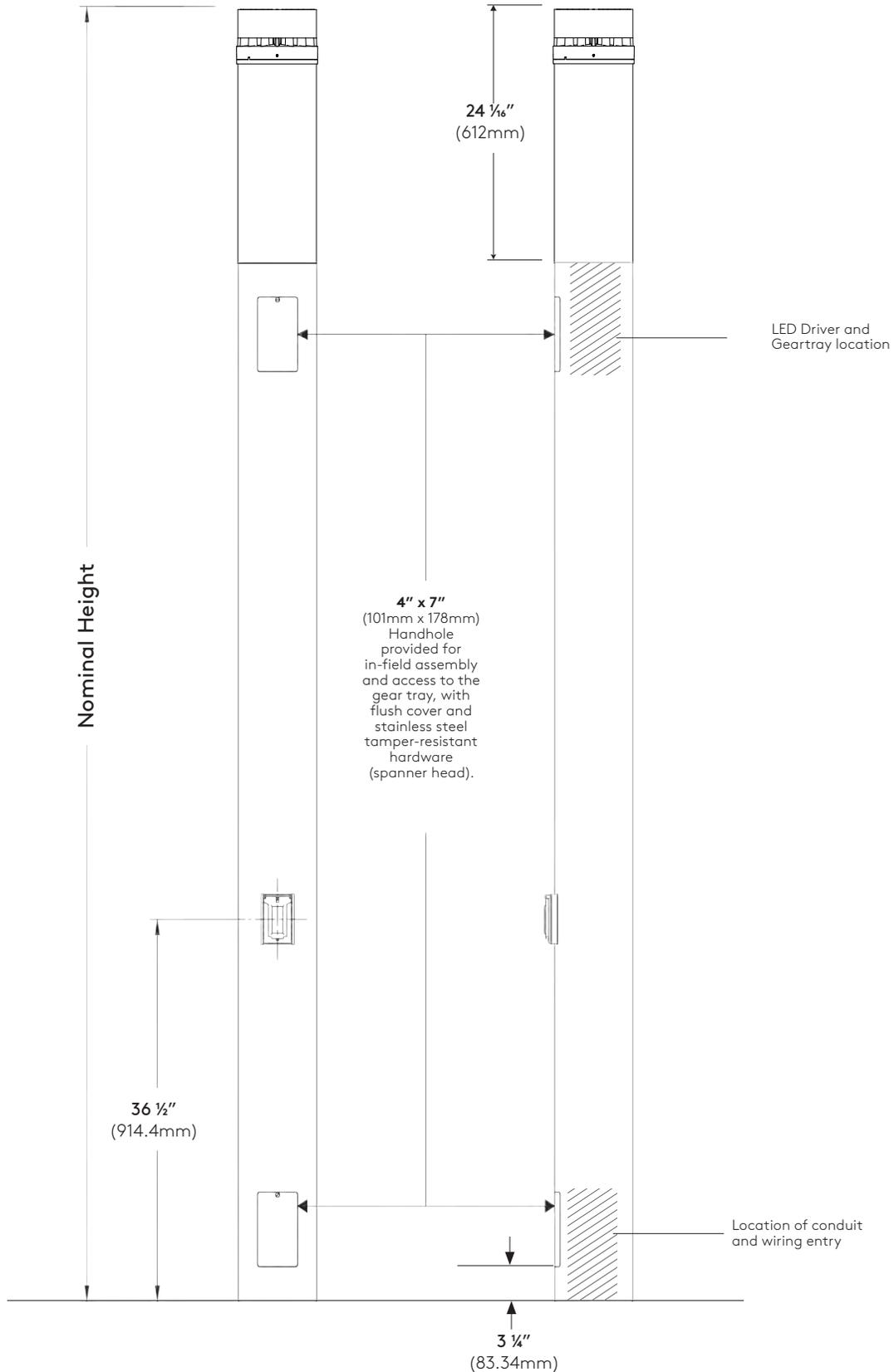
NRTL Listed (i.e. UL, CSA)

Visit selux.us for our LED End of Life recycling policy.

| Ambient Temperature Chart (standard) | |
|--------------------------------------|-------------------|
| Minimum | Maximum |
| -40° C (-40° F) | 45° C (113° F) |

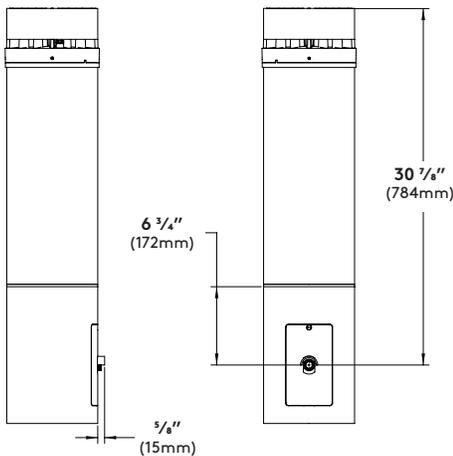
Mounting Information
EXRL

Maximum weight: 80lbs

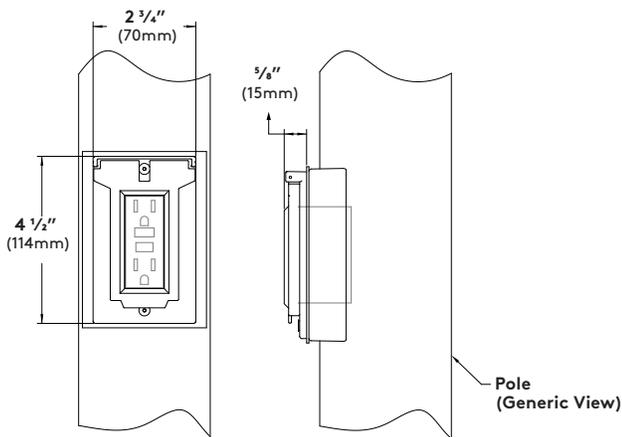


Optional Accessories

Photo Cell (PC) - Without (MS) Option - Button type photocell mounted in modified upper access door. Photocell option has integrated visor to prevent false start/stop cycle.

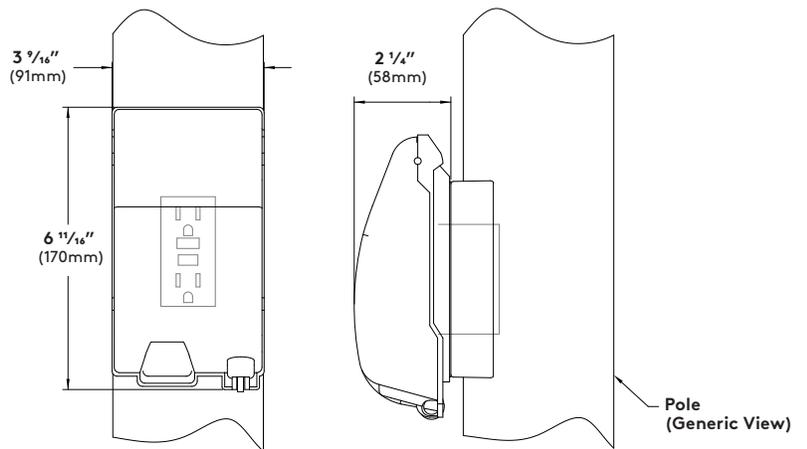


REC and REC3



Cover shown in the closed position

REC2 and REC4



Cover shown in the closed position

GFCI Receptacle (REC) - 120V 15A GFCI duplex receptacle with weatherproof, self-closing cover; located 36" (915mm) o.c from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel (120V only).

GFCI Receptacle (REC2) - 120V 15A GFCI duplex receptacle with weatherproof, self-closing, padlockable in-use cover; located 36" (915mm) o.c from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel (120V only).

USB & Duplex Receptacle (REC3) (not shown) - 120V 20A duplex receptacle with USB combination ports. (1) type A and (1) type C high power 5A, 5V USB outlets. With weatherproof, self-closing cover; located 36" (915mm) o.c from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel.

USB & Duplex Receptacle (REC4) (not shown) - 120V 20A duplex receptacle with USB combination ports. (1) type A and (1) type C high power 5A, 5V USB outlets. With weatherproof, self-closing padlockable in-use cover; located 36" (915mm) o.c from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel.

REC3 does not incorporate GFCI (Ground Fault Circuit Interrupter) protection, and shall be powered by a GFCI protected branch circuit (by others).

REC4 does not incorporate GFCI (Ground Fault Circuit Interrupter) protection, and shall be powered by a GFCI protected branch circuit (by others).

Motion Sensor Features

The Selux outdoor rated sensor incorporates Passive Infrared (PIR) technology for motion sensing, and also includes a built in photocell. Designed to mount directly through a 1/2" KO in a single gang faceplate on pole/column, the SBO utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for pedestrian activity, while preventing false tripping from the environment.

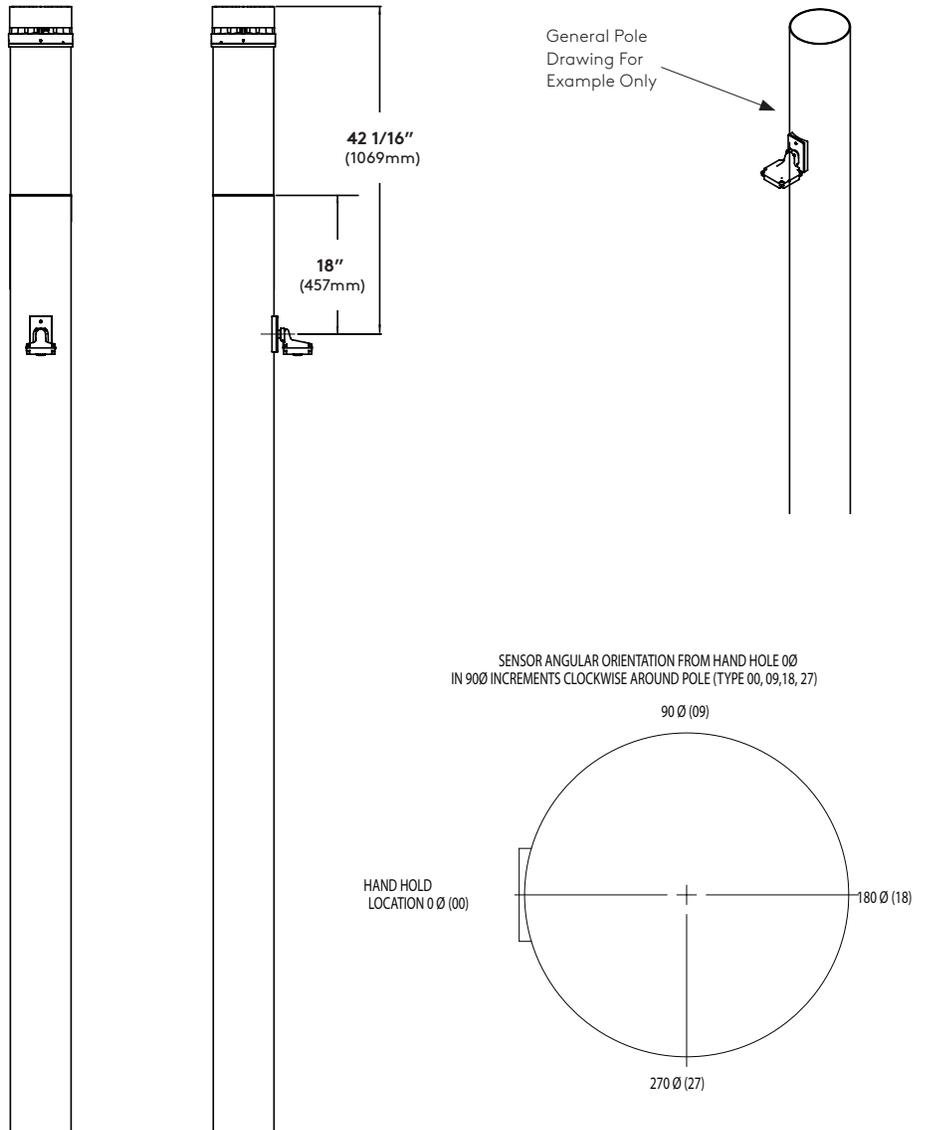
| Series | Optics | Hand Hole Orientation | Program | Color | Photocell Feature | Voltage |
|---------------------|---------------------------------|-----------------------|-------------|-----------|-------------------|---------|
| MS Motion Sensor | 1 270° coverage - Single Sensor | 00 | D0 (0V=0%) | WH White | Y Yes | UNV |
| | | 09 | D1 (1V=10%) | BK Black | | 347 |
| | | 18 | D3 (3V=30%) | BZ Bronze | N No | 480 |
| | | 27 | D5 (5V=50%) | | | |

NOTE: Motion sensor comes programmed at 30% dimmed level with a 5 minute delay as default. All programming required after shipping by others.

Features

- 100% Digital PIR Detection, excellent RF Immunity
- 270° coverage pattern
- IP66 Rated for outdoor applications
- Built-in 1kV surge protection
- No minimum load requirements
- Made for LED light source
- Interchangeable hot and load wires - impossible to wire backwards
- Adjustable time delays, max/min dim levels and ramp rates
- Programming button accessible without opening sensor or removing gaskets
- No field calibration or sensitivity adjustments required
- Non-volatile setting memory
- Convenient test mode
- Suitable for Title 24 applications

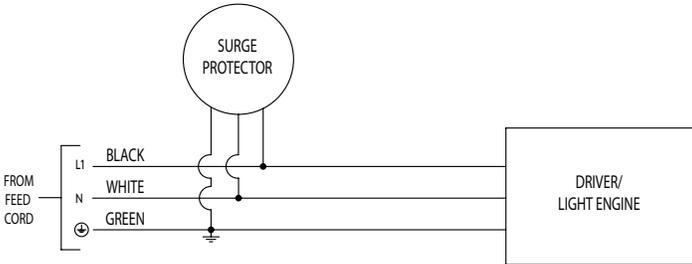
Motion Sensor



Wiring

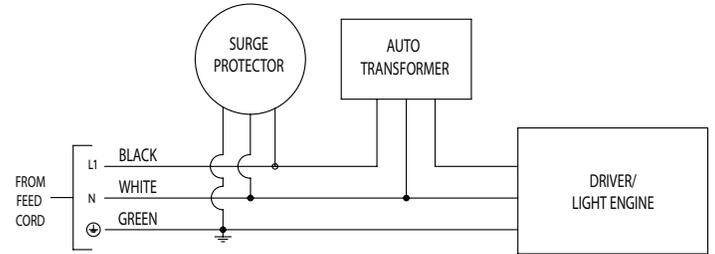
Standard Wiring for 120-277V and UNV

Standard Wiring for 120-277V with no additional options.



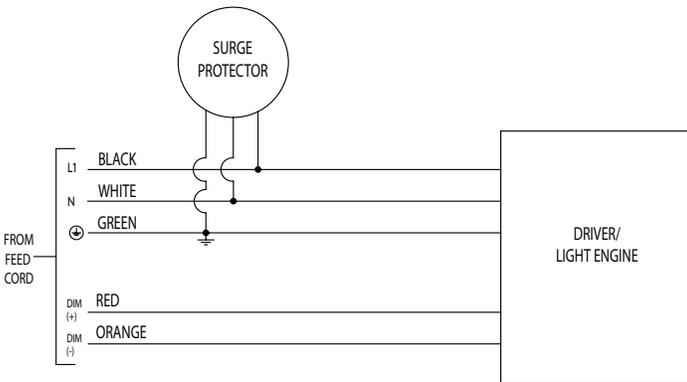
Standard Wiring for 347/480V

Standard Wiring for 347/480V with no additional options.



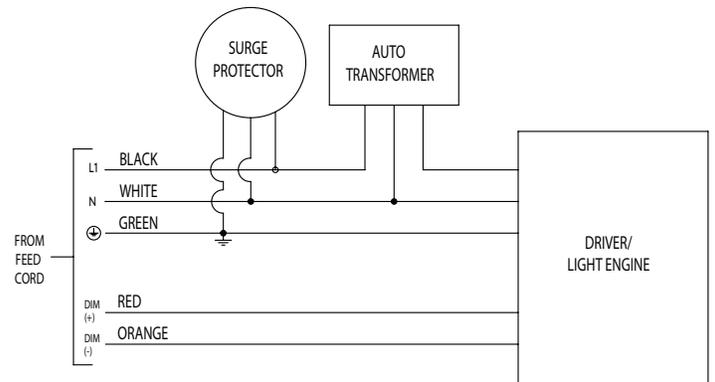
0-10V Dimming Option (DM) Wiring for 120-277V and UNV

100% light output at 10V, down to 10% light output at 0V.



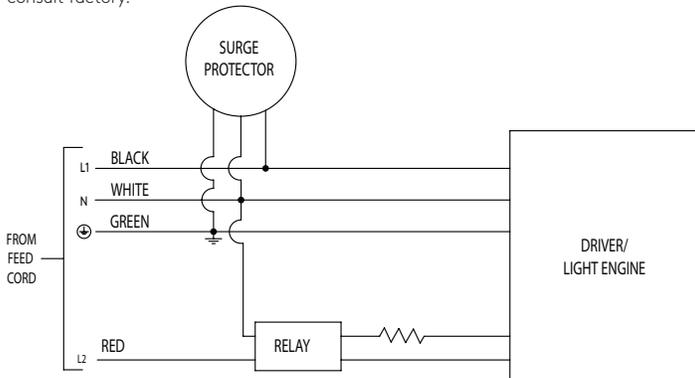
0-10V Dimming Option (DM) Wiring for 347/480V

100% light output at 10V, down to 10% light output at 0V.



Hi-Lo Switching Option (HL50) Wiring

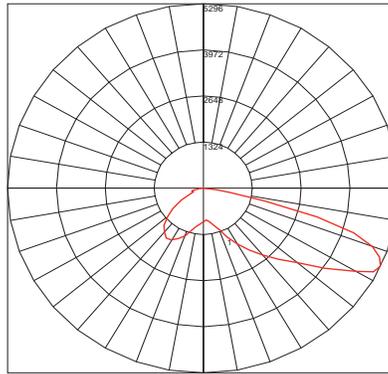
120/240/277V. When red (L2) is energized, light output will be at "Lo" level. HL50 equals 50% system power at "Lo" setting. For other values, please consult factory.



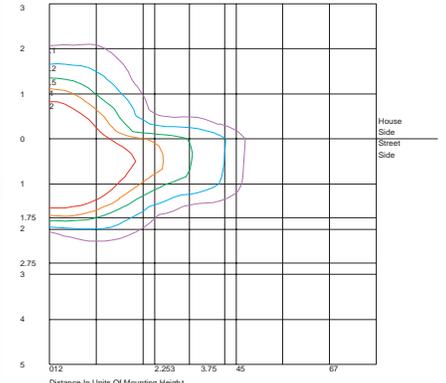
Photometry

EXRL / R1 / 3000K CCT

Catalog #: EXRL-X-R1-5G140-30-XX-UNV
 Delivered Lumens: 9502
 Input Watts: 126.3W
 Efficacy: 75 lm/W
 CRI: 81.7
 Maximum candela: 5295.906 at 65° from vertical.
 IES classification: Type II
 Bug Rating: B2-U0-G2
 Power Factor: 0.996
 Total Harmonic Distortion: 5.50%



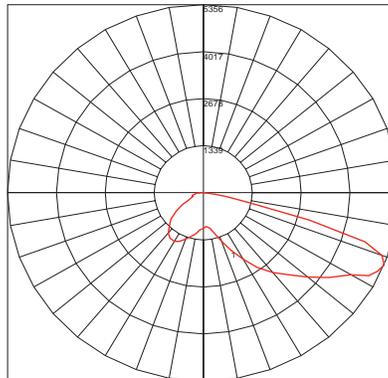
Maximum Candela = 5295.906 Located At Horizontal Angle = 75, Vertical Angle = 65
 # 1 - Vertical Plane Through Horizontal Angles (75 - 255) (Through Max. Cd.)



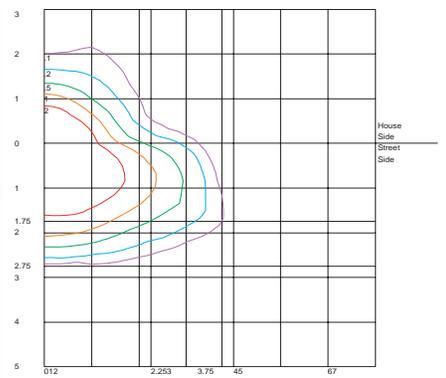
Distance In Units Of Mounting Height
 Values Based On 16 Foot Mounting Height

EXRL / R2 / 3000K CCT

Catalog #: EXRL-X-R2-5G140-30-XX-UNV
 Delivered Lumens: 9502
 Input Watts: 126.6W
 Efficacy: 75 lm/W
 CRI: 81.7
 Maximum candela: 5356.06 at 67.5° from vertical.
 IES classification: Type III
 Bug Rating: B2-U0-G3
 Power Factor: 0.996
 Total Harmonic Distortion: 5.50%



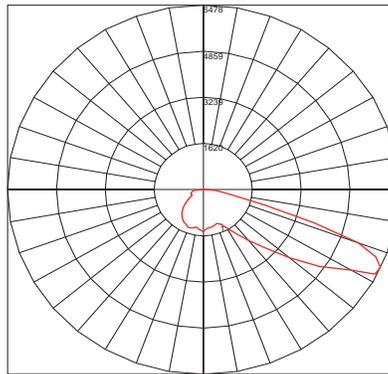
Maximum Candela = 5356.06 Located At Horizontal Angle = 65, Vertical Angle = 67.5
 # 1 - Vertical Plane Through Horizontal Angles (65 - 245) (Through Max. Cd.)



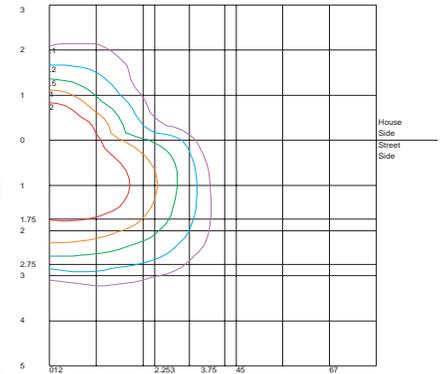
Distance In Units Of Mounting Height
 Values Based On 16 Foot Mounting Height

EXRL / R3 / 3000K CCT

Catalog #: EXRL-X-R3-5G140-30-XX-UNV
 Delivered Lumens: 9502
 Input Watts: 126.3W
 Efficacy: 75 lm/W
 CRI: 81.7
 Maximum candela: 6478.105 at 65° from vertical.
 IES classification: Type III
 Bug Rating: B2-U0-G2
 Power Factor: 0.996
 Total Harmonic Distortion: 5.50%



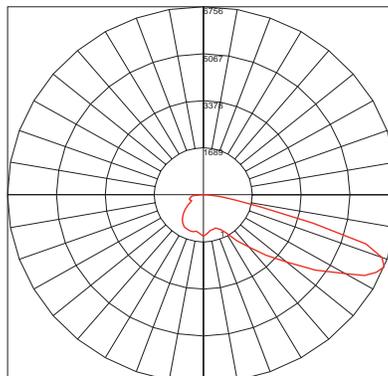
Maximum Candela = 6478.105 Located At Horizontal Angle = 45, Vertical Angle = 65
 # 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)



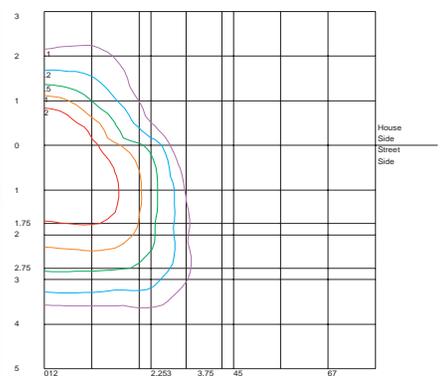
Distance In Units Of Mounting Height
 Values Based On 16 Foot Mounting Height

EXRL / R4 / 3000K CCT

Catalog #: EXRL-X-R4-5G140-30-XX-UNV
 Delivered Lumens: 9502
 Input Watts: 126.3W
 Efficacy: 75 lm/W
 CRI: 81.7
 Maximum candela: 6755.814 at 67.5° from vertical.
 IES classification: Type IV
 Bug Rating: B2-U0-G2
 Power Factor: 0.996
 Total Harmonic Distortion: 5.50%



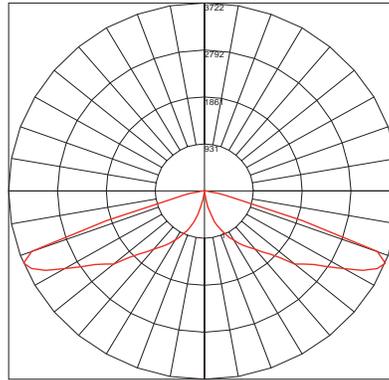
Maximum Candela = 6755.814 Located At Horizontal Angle = 35, Vertical Angle = 67.5
 # 1 - Vertical Plane Through Horizontal Angles (35 - 215) (Through Max. Cd.)



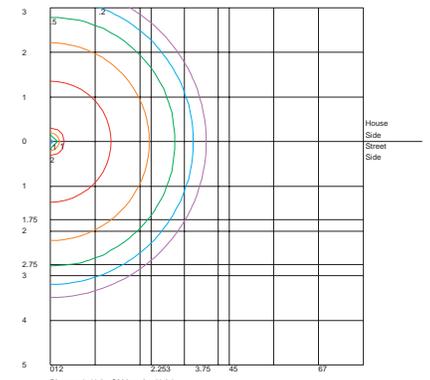
Distance In Units Of Mounting Height
 Values Based On 16 Foot Mounting Height

Photometry

EXRL / R5R / 3000K CCT
 Catalog #: EXRL-X-R5R-5G140-30-XX-UNV
 Delivered Lumens: 10032
 Input Watts: 126.3W
 Efficacy: 79 lm/W
 CRI: 81.7
 Maximum candela: 3722 at 67.5° from vertical.
 IES classification: Type V
 Bug rating: B3-U0-G2
 Power Factor: 0.996
 Total Harmonic Distortion: 5.50%

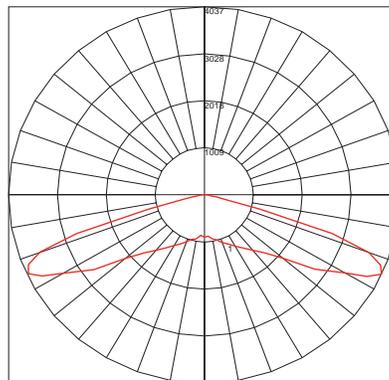


Maximum Candela = 3722.3 Located At Horizontal Angle = 0, Vertical Angle = 67.5
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

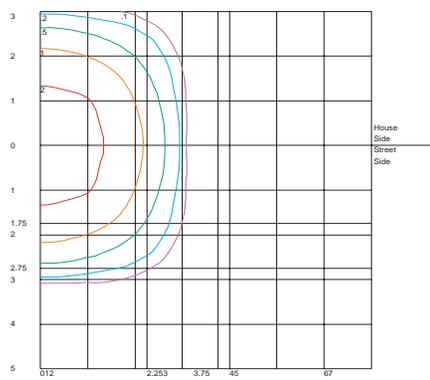


Distance In Units Of Mounting Height
 Values Based On 16 Foot Mounting Height

EXRL / R5S / 3000K CCT
 Catalog #: EXRL-X-R5S-5G140-30-XX-UNV
 Delivered Lumens: 10032
 Input Watts: 126.3W
 Efficacy: 79 lm/W
 CRI: 81.7
 Maximum candela: 4036.873 at 65° from vertical.
 IES classification: Type VS
 Bug Rating: B3-U0-G2
 Power Factor: 0.996
 Total Harmonic Distortion: 5.50%



Maximum Candela = 4036.873 Located At Horizontal Angle = 45, Vertical Angle = 65
 # 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)



Distance In Units Of Mounting Height
 Values Based On 16 Foot Mounting Height

Date: _____ Customer: _____

Project: _____

Type: _____ Qty: _____



Exelia Gen5 LED



Order Code: _____

| | | | | | | | | |
|---------------------|---------------------------------------|--|---|--|---|---|---|--|
| Series | EXRL Exelia Gen5 LED | | | | | | | |
| Nominal Overall Ht. | 08 8 ft | 09 9 ft | 10 10 ft | 11 11 ft | 12 12 ft | 13 13 ft | 14 14 ft | |
| | 15 15 ft | 16 16 ft | 17 17 ft | 18 18 ft | 19 19 ft | 20 20 ft | | |
| Optic | R1 Type I | R2 Type II | R3 Type III | R3W Type III (Wide) | R4 Type IV | R5R Type V (Round) | R5S Type V (Square) | R5Q Type V (Rectangular) |
| Light Engine | 5G350 nominal 33W | 5G530 nominal 48W | 5G700 nominal 64W | 5G105 nominal 97W | 5G140 nominal 126W | | | |
| CCT | 30 3000K | 40 4000K | | | | | | For other CCT please consult factory |
| Finish | WH White | BK Black | BL Semi-Matte Black | BZ Bronze | SV Silver | SP Specify Premium Color | | |
| Voltage | UNV 120-277V | 120 120V | 208 208V | 240 240V | 277 277V | 347 ^{1,2} 347V | 480 ^{1,2} 480V | 1 Not available with HL50 2 Requires step-down transformer |
| Options | DM ⁶ Dimming (0-10V) | HL50 ^{3,6} Hi-Lo Switching Low Output 50% | HS ⁴ House Side Shield | REC ^{8,9} 120V GFCI Receptacle with weatherproof cover | REC2 ^{8,9} 120V GFCI Receptacle with padlockable in-use cover | REC3 ^{8,9} USB & Duplex Receptacle with weatherproof cover | REC4 ^{8,9} USB & Duplex Receptacle with weatherproof padlockable in-use cover | 3 120V, 240V and 277V only 4 Type I, II, III and IV only 5 See page 5 for details 6 DM or HL50 only, cannot be combined 7 Recommended depending on local site conditions regarding wind vibrations 8 120V only 9 See page 4 for details |
| | PC Photocell | VI ⁷ Vibration Dampener (consult factory) | MS ⁵ Motion Sensor | | | | | |

Product Modifications

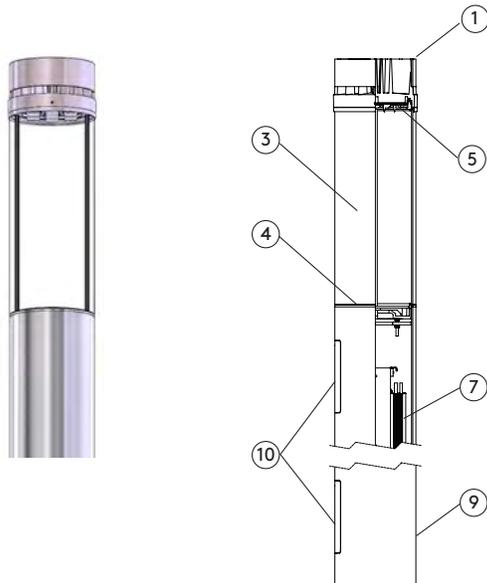
Please list modification requirements for review by factory:

Approvals



Date: _____

EXRL



Specifications

1. Luminaire Cover / External Heat Sink -

Low copper, marine-grade aluminum die cast cover, with shroud for smooth crisp form to reflect and complement the column design. Designed for optimal heat dissipation even in high temperature environments.

2. Gasketing - (not shown) Continuous one piece gaskets made from UV and ozone resistant silicone. Molded gaskets ensure IP65 rating, dust, and insect control throughout the luminaire head.

3. Shielding - Clear, impact resistant, UV stabilized polycarbonate cylinder creates optical chamber, minimum wall thickness 0.118" (3mm). IK10 rated.

4. Column Fitter - Low copper, marine-grade aluminum die-cast fitter, with built-in gasketing ridges, for smooth transition to column.

5. LED Array - High Flux LEDs mounted to metal core PCB and attached to external heat sink for maximum LED performance and life. CCT tolerance within a 3 step bin and provided with a minimum CRI of 80. LED light engine has a reported lumen maintenance of 97.5% at 50,000 hours. L70 calculated greater than 100,000 hours.

6. LED Optics - (not shown) Proprietary technical Optics (R1, R2, R3, R4, R5S and R5R) use Selux signature light pattern acrylic lens holder to secure proprietary silicone optics. Internal micro house side shield available for distributions types I, II, III & IV.

7. LED Driver - LEDs are driven by RoHS compliant constant current programmable LED driver. Driver includes 0-10V dimming to 10%, meets the requirements of IP66. Driver assembly located inside the column and accessible through the upper hand hole.

8. Surge Protector - (not shown) Designed to protect luminaire from electrical surge (20kA).

9. Column Body - 200mm extruded smooth marine-grade aluminium, minimum wall thickness 0.118" (3mm).

10. Access Doors - Upper and lower 4" x 7" (76mm x 178mm) hand holes provided for in-field column assembly and maintenance. Flush cover and stainless steel tamper-resistant hardware included.

Exterior Luminaire Finish - Selux utilizes a high quality Polyester Powder Coating. All Selux luminaires and poles are finished in our Tiger Drylac certified facility and undergo a five stage intensive pretreatment process where product is thoroughly cleaned, phosphated and sealed. Selux powder coated products provide excellent salt and humidity resistance as well as ultraviolet resistance for color retention. All products are tested in accordance with test specifications for coatings from ASTM and PCI.

Standard exterior colors are White (WH), Black (BK), Bronze (BZ), Semi-Matte Black (BL), and Silver (SV). Selux premium colors (SP) are available, please specify from your Selux color selection guide..

5 Year Limited LED Luminaire Warranty - Selux offers a 5 Year Limited Warranty to the original purchaser that the Exelia LED luminaire shall be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers the LED driver and LED array when installed and operated according to Selux instructions. For details, see "Selux Terms and Condition of Sale."

Listings and Ratings: Tested to NRTL Wet Location and IESNA LM-79-08 standards. LED tested to LM-80 standards. Luminaire and LED tested at 25°C (77°F) ambient temperature.

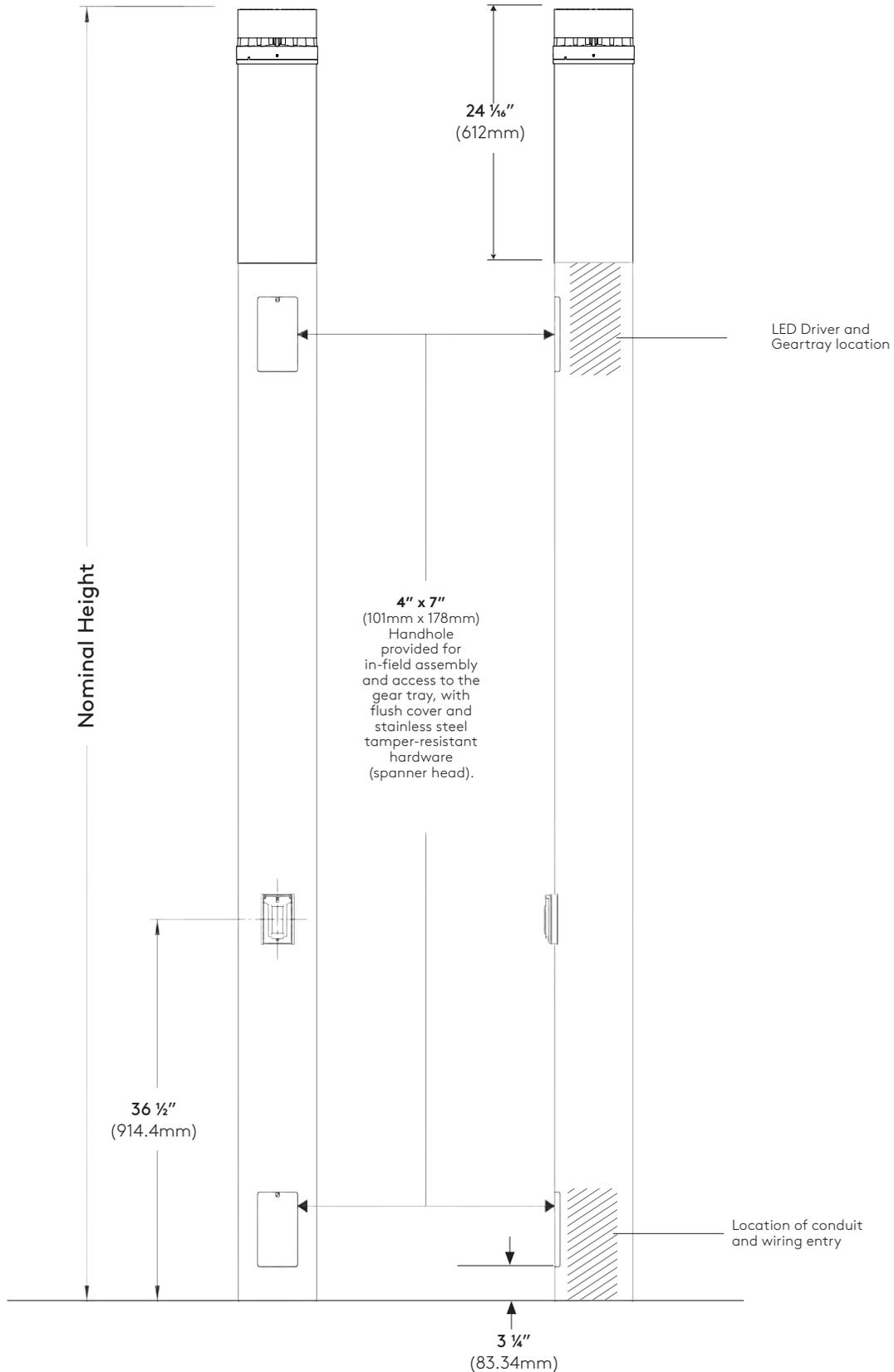
NRTL Listed (i.e. UL, CSA)

Visit selux.us for our LED End of Life recycling policy.

| Ambient Temperature Chart (standard) | |
|--------------------------------------|-------------------|
| Minimum | Maximum |
| -40° C (-40° F) | 45° C (113° F) |

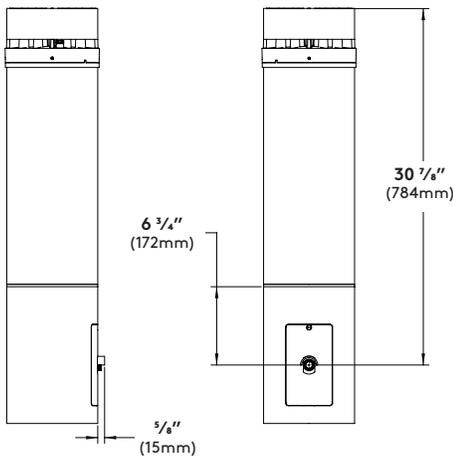
Mounting Information
EXRL

Maximum weight: 80lbs

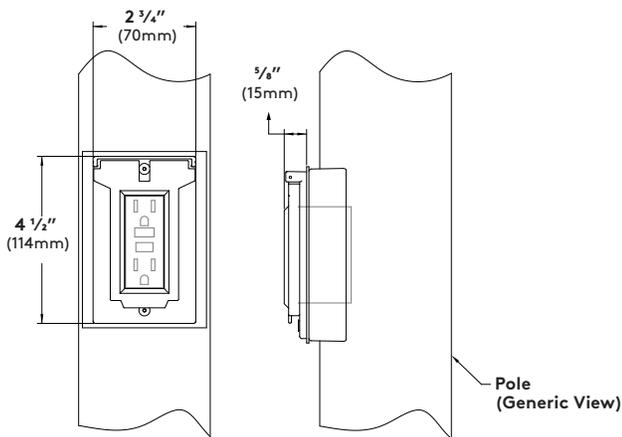


Optional Accessories

Photo Cell (PC) - Without (MS) Option - Button type photocell mounted in modified upper access door. Photocell option has integrated visor to prevent false start/stop cycle.

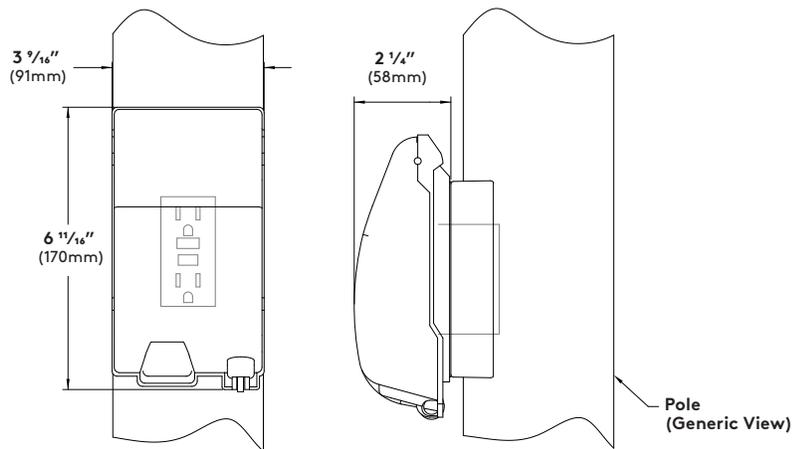


REC and REC3



Cover shown in the closed position

REC2 and REC4



Cover shown in the closed position

GFCI Receptacle (REC) - 120V 15A GFCI duplex receptacle with weatherproof, self-closing cover; located 36" (915mm) o.c from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel (120V only).

GFCI Receptacle (REC2) - 120V 15A GFCI duplex receptacle with weatherproof, self-closing, padlockable in-use cover; located 36" (915mm) o.c from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel (120V only).

USB & Duplex Receptacle (REC3) (not shown) - 120V 20A duplex receptacle with USB combination ports. (1) type A and (1) type C high power 5A, 5V USB outlets. With weatherproof, self-closing cover; located 36" (915mm) o.c from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel.

USB & Duplex Receptacle (REC4) (not shown) - 120V 20A duplex receptacle with USB combination ports. (1) type A and (1) type C high power 5A, 5V USB outlets. With weatherproof, self-closing padlockable in-use cover; located 36" (915mm) o.c from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel.

REC3 does not incorporate GFCI (Ground Fault Circuit Interrupter) protection, and shall be powered by a GFCI protected branch circuit (by others).

REC4 does not incorporate GFCI (Ground Fault Circuit Interrupter) protection, and shall be powered by a GFCI protected branch circuit (by others).

Motion Sensor Features

The Selux outdoor rated sensor incorporates Passive Infrared (PIR) technology for motion sensing, and also includes a built in photocell. Designed to mount directly through a 1/2" KO in a single gang faceplate on pole/column, the SBO utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for pedestrian activity, while preventing false tripping from the environment.

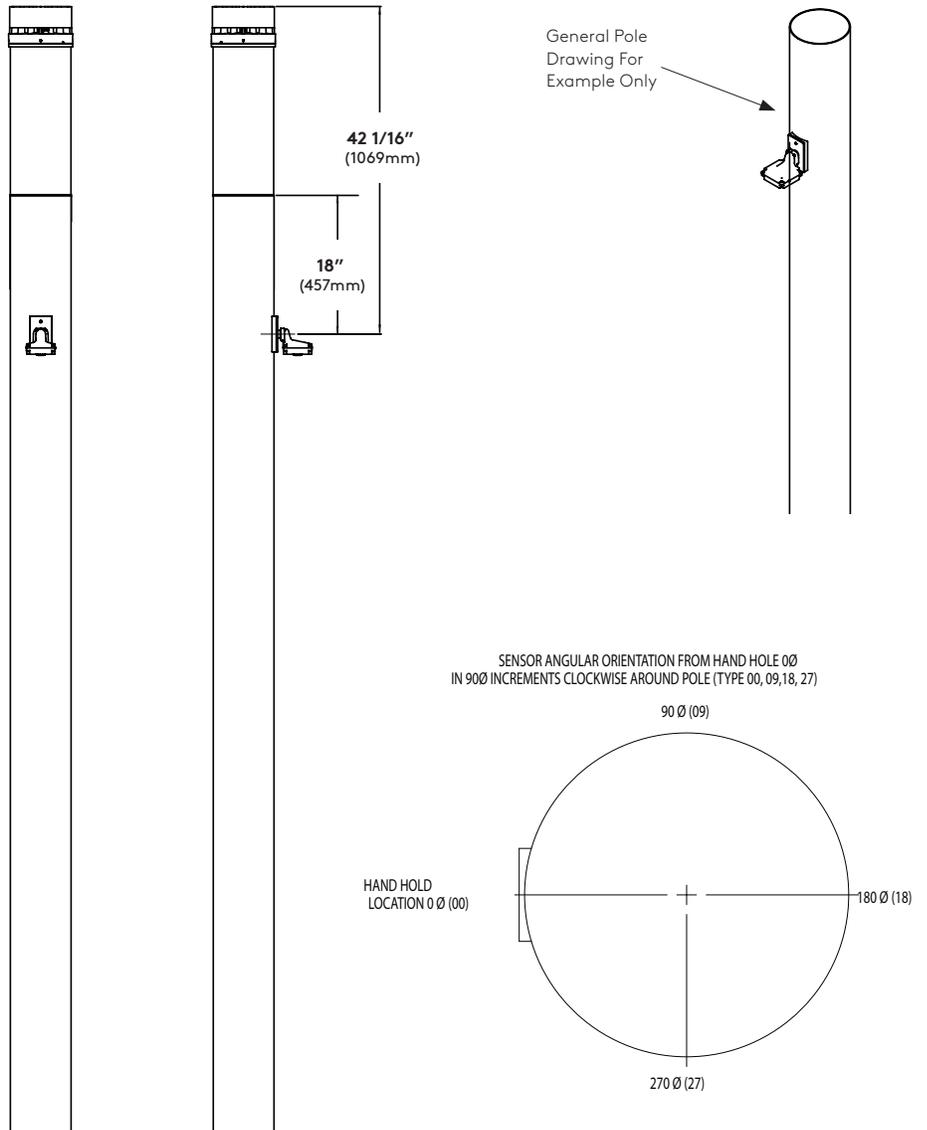
| Series | Optics | Hand Hole Orientation | Program | Color | Photocell Feature | Voltage |
|---------------------|---------------------------------|-----------------------|-------------|-----------|-------------------|---------|
| MS Motion Sensor | 1 270° coverage - Single Sensor | 00 | D0 (0V=0%) | WH White | Y Yes | UNV |
| | | 09 | D1 (1V=10%) | BK Black | | 347 |
| | | 18 | D3 (3V=30%) | BZ Bronze | N No | 480 |
| | | 27 | D5 (5V=50%) | | | |

NOTE: Motion sensor comes programmed at 30% dimmed level with a 5 minute delay as default. All programming required after shipping by others.

Features

- 100% Digital PIR Detection, excellent RF Immunity
- 270° coverage pattern
- IP66 Rated for outdoor applications
- Built-in 1kV surge protection
- No minimum load requirements
- Made for LED light source
- Interchangeable hot and load wires - impossible to wire backwards
- Adjustable time delays, max/min dim levels and ramp rates
- Programming button accessible without opening sensor or removing gaskets
- No field calibration or sensitivity adjustments required
- Non-volatile setting memory
- Convenient test mode
- Suitable for Title 24 applications

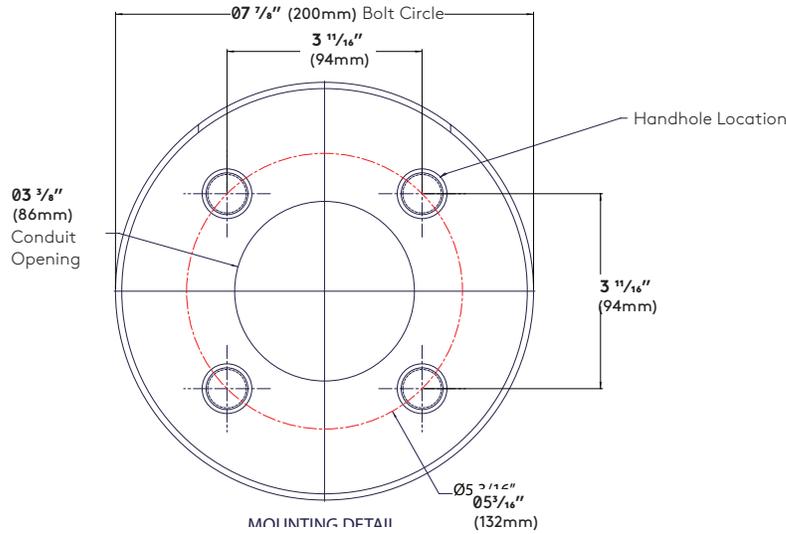
Motion Sensor



Mounting Information

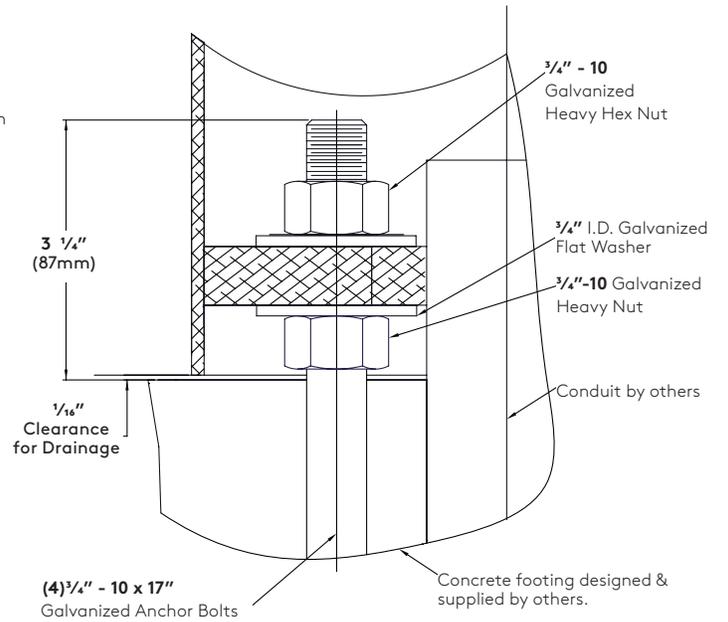
EXRL Anchor Bolt Circle

Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown



Note: Adequate drainage must be provided in concrete foundation.

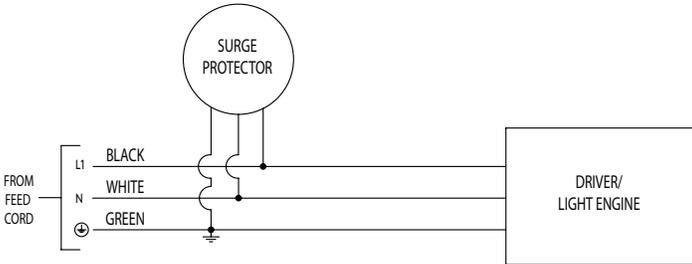
EXRL Anchor Bolt Detail



Wiring

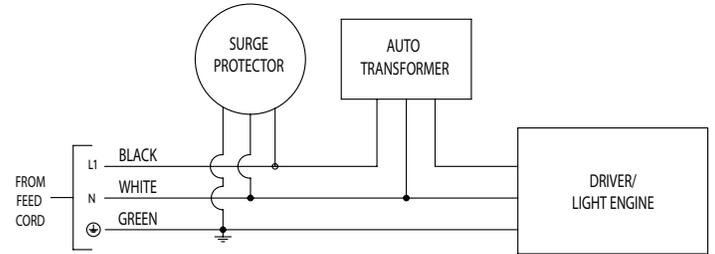
Standard Wiring for 120-277V and UNV

Standard Wiring for 120-277V with no additional options.



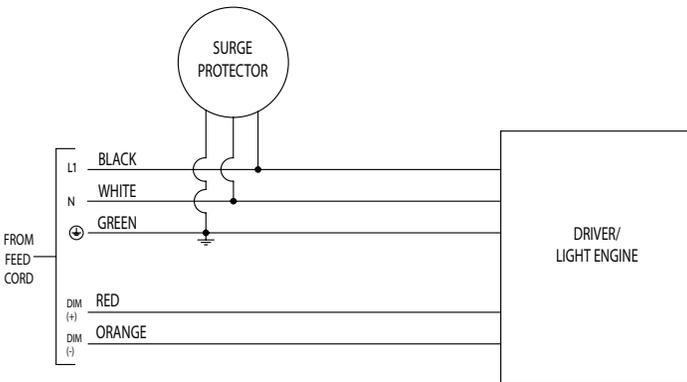
Standard Wiring for 347/480V

Standard Wiring for 347/480V with no additional options.



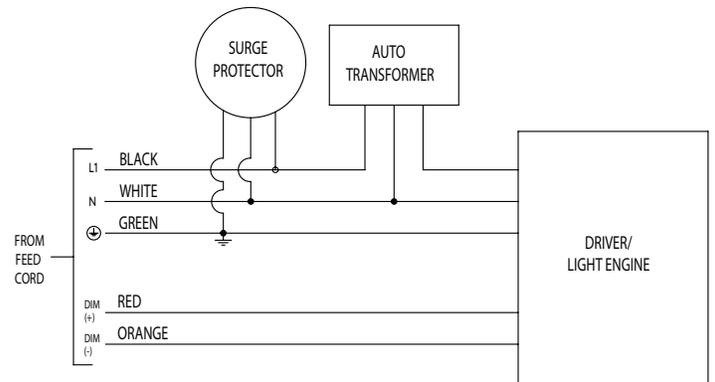
0-10V Dimming Option (DM) Wiring for 120-277V and UNV

100% light output at 10V, down to 10% light output at 0V.



0-10V Dimming Option (DM) Wiring for 347/480V

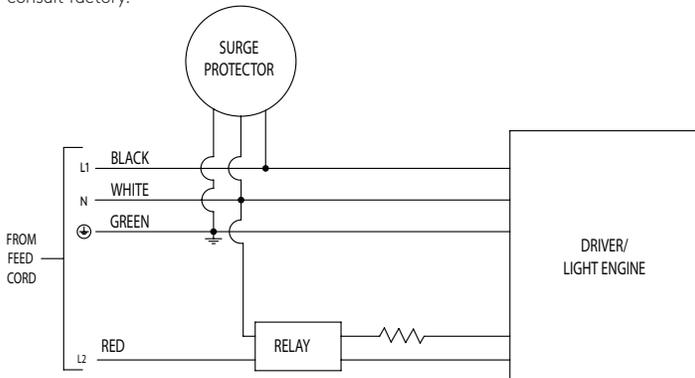
100% light output at 10V, down to 10% light output at 0V.



Hi-Lo Switching Option (HL50) Wiring

120/240/277V. When red (L2) is energized, light output will be at "Lo" level.

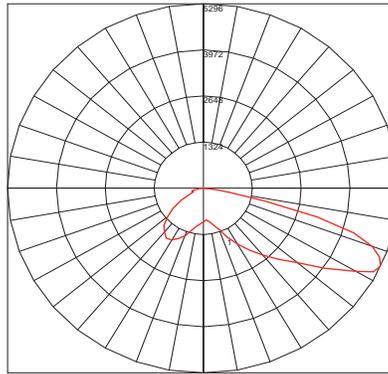
HL50 equals 50% system power at "Lo" setting. For other values, please consult factory.



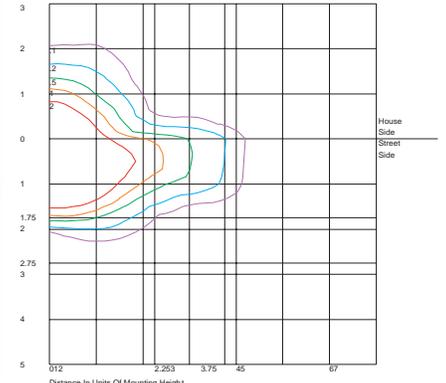
Photometry

EXRL / R1 / 3000K CCT

Catalog #: EXRL-X-R1-5G140-30-XX-UNV
 Delivered Lumens: 9502
 Input Watts: 126.3W
 Efficacy: 75 lm/W
 CRI: 81.7
 Maximum candela: 5295.906 at 65° from vertical.
 IES classification: Type II
 Bug Rating: B2-U0-G2
 Power Factor: 0.996
 Total Harmonic Distortion: 5.50%



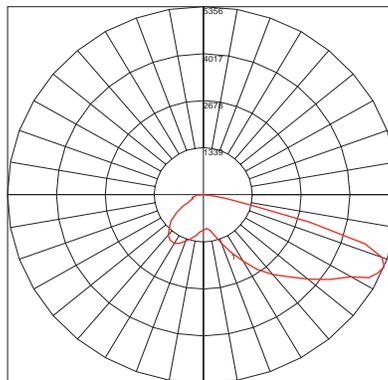
Maximum Candela = 5295.906 Located At Horizontal Angle = 75, Vertical Angle = 65
 # 1 - Vertical Plane Through Horizontal Angles (75 - 255) (Through Max. Cd.)



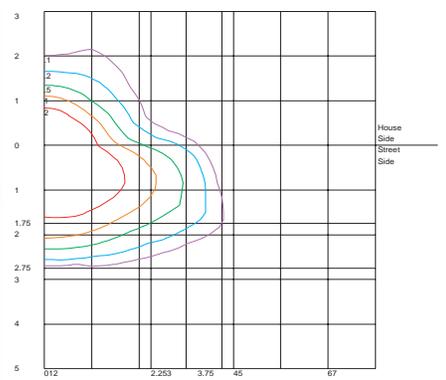
Distance In Units Of Mounting Height
 Values Based On 16 Foot Mounting Height

EXRL / R2 / 3000K CCT

Catalog #: EXRL-X-R2-5G140-30-XX-UNV
 Delivered Lumens: 9502
 Input Watts: 126.6W
 Efficacy: 75 lm/W
 CRI: 81.7
 Maximum candela: 5356.06 at 67.5° from vertical.
 IES classification: Type III
 Bug Rating: B2-U0-G3
 Power Factor: 0.996
 Total Harmonic Distortion: 5.50%



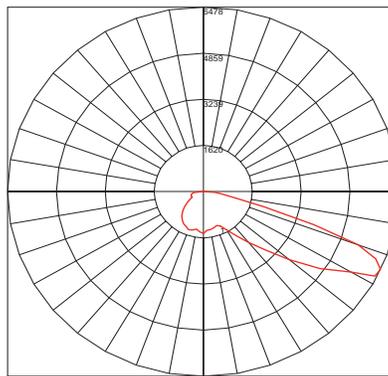
Maximum Candela = 5356.06 Located At Horizontal Angle = 65, Vertical Angle = 67.5
 # 1 - Vertical Plane Through Horizontal Angles (65 - 245) (Through Max. Cd.)



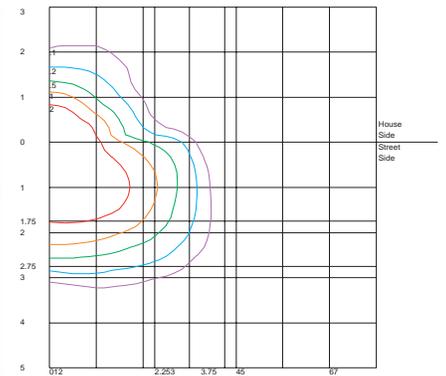
Distance In Units Of Mounting Height
 Values Based On 16 Foot Mounting Height

EXRL / R3 / 3000K CCT

Catalog #: EXRL-X-R3-5G140-30-XX-UNV
 Delivered Lumens: 9502
 Input Watts: 126.3W
 Efficacy: 75 lm/W
 CRI: 81.7
 Maximum candela: 6478.105 at 65° from vertical.
 IES classification: Type III
 Bug Rating: B2-U0-G2
 Power Factor: 0.996
 Total Harmonic Distortion: 5.50%



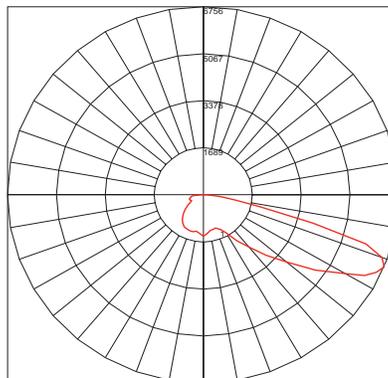
Maximum Candela = 6478.105 Located At Horizontal Angle = 45, Vertical Angle = 65
 # 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)



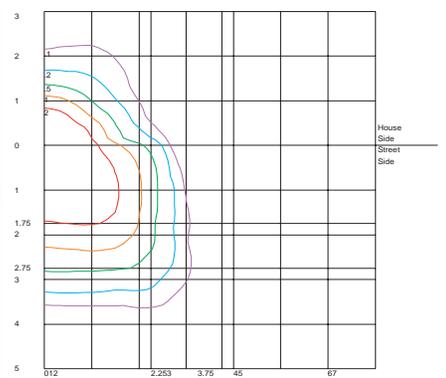
Distance In Units Of Mounting Height
 Values Based On 16 Foot Mounting Height

EXRL / R4 / 3000K CCT

Catalog #: EXRL-X-R4-5G140-30-XX-UNV
 Delivered Lumens: 9502
 Input Watts: 126.3W
 Efficacy: 75 lm/W
 CRI: 81.7
 Maximum candela: 6755.814 at 67.5° from vertical.
 IES classification: Type IV
 Bug Rating: B2-U0-G2
 Power Factor: 0.996
 Total Harmonic Distortion: 5.50%



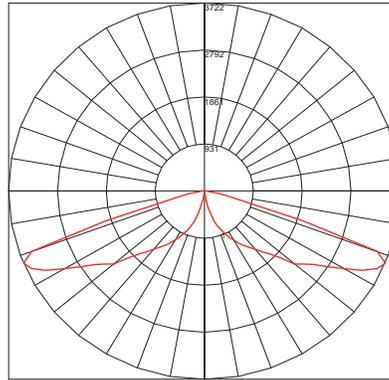
Maximum Candela = 6755.814 Located At Horizontal Angle = 35, Vertical Angle = 67.5
 # 1 - Vertical Plane Through Horizontal Angles (35 - 215) (Through Max. Cd.)



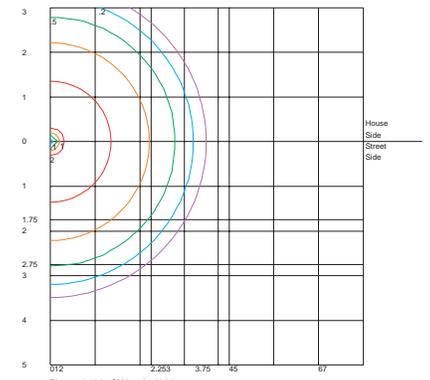
Distance In Units Of Mounting Height
 Values Based On 16 Foot Mounting Height

Photometry

EXRL / R5R / 3000K CCT
 Catalog #: EXRL-X-R5R-5G140-30-XX-UNV
 Delivered Lumens: 10032
 Input Watts: 126.3W
 Efficacy: 79 lm/W
 CRI: 81.7
 Maximum candela: 3722 at 67.5° from vertical.
 IES classification: Type V
 Bug rating: B3-U0-G2
 Power Factor: 0.996
 Total Harmonic Distortion: 5.50%

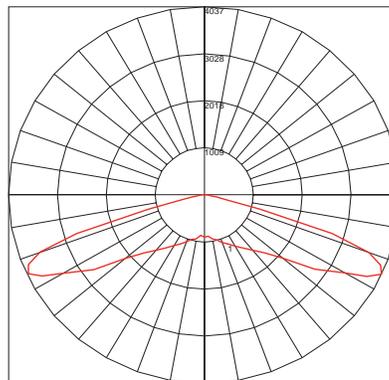


Maximum Candela = 3722.3 Located At Horizontal Angle = 0, Vertical Angle = 67.5
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

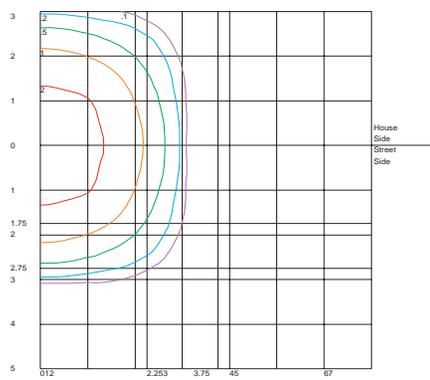


Distance In Units Of Mounting Height
 Values Based On 16 Foot Mounting Height

EXRL / R5S / 3000K CCT
 Catalog #: EXRL-X-R5S-5G140-30-XX-UNV
 Delivered Lumens: 10032
 Input Watts: 126.3W
 Efficacy: 79 lm/W
 CRI: 81.7
 Maximum candela: 4036.873 at 65° from vertical.
 IES classification: Type VS
 Bug Rating: B3-U0-G2
 Power Factor: 0.996
 Total Harmonic Distortion: 5.50%



Maximum Candela = 4036.873 Located At Horizontal Angle = 45, Vertical Angle = 65
 # 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)



Distance In Units Of Mounting Height
 Values Based On 16 Foot Mounting Height

UMV-30013

Marvik 2 Surface Downlight



Construction

Aluminum

Less than 0.1% copper content - Marine Grade 6060 extruded & LM6 Aluminum High Pressure die casting provides excellent mechanical strength, clean detailed product lines and excellent heat dissipation.

Pre paint

8 step degrease and phosphate process that includes deoxidizing and etching as well as a zinc and nickel phosphate process before product painting.

Memory Retentive -Silicon Gasket

Provided with special injection molded "fit for purpose" long life high temperature memory retentive silicon gaskets. Maintains the gaskets exact profile and seal over years of use and compression.

Thermal management

LM6 Aluminum is used for its excellent mechanical strength and thermal dissipation properties in low and high ambient temperatures. The superior thermal heat sink design by Ligman used in conjunction with the driver, controls thermals below critical temperature range to ensure maximum luminous flux output, as well as providing long LED service life and ensuring less than 10% lumen depreciation at 50,000 hours.

Surge Suppression

Standard 10kv surge suppressor provided with all fixtures.

BUG Rating

B0 - U0 - G0

Finishing

All Ligman products go through an extensive finishing process that includes fettling to improve paint adherence.

Paint

UV Stabilized 4.9Mil thick powder coat paint and baked at 200 Deg C. This process ensures that Ligman products can withstand harsh environments. Rated for use in natatoriums.

Hardware

Provided Hardware is Marine grade 316 Stainless steel.

Anti Seize Screw Holes

Tapped holes are infused with a special anti seize compound designed to prevent seizure of threaded connections, due to electrolysis from heat, corrosive atmospheres and moisture.

Crystal Clear Low Iron Glass Lens

Provided with tempered, impact resistant crystal clear low iron glass ensuring no green glass tinge.

Optics & LED

Precise optic design provides exceptional light control and precise distribution of light. LED CRI > 80

Lumen - Maintenance Life

L80 /B10 at 50,000 hours (This means that at least 90% of the LED still achieve 80% of their original flux)

Cylindrical, single or double-sided wall family. Compact and decorative appearance belies powerful outputs and technical optics for perfect task illumination

A stunning new waterproof & dust proof wall cylinder range, designed with no visible fasteners, a one-piece body and integrated driver housing.

This smart mechanical modern designed luminaire with cylindrical body provides a stylish solution to wall mounted cylinders.

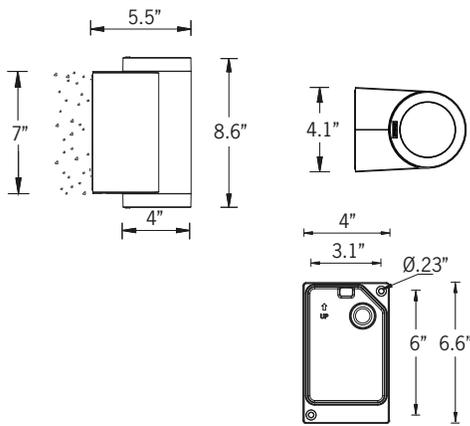
This innovative design houses a variety of COB wattages to suit designer's specific requirements as well as a selection of field interchangeable reflector optics, that include narrow, medium, wide and very wide distributions. This series is available in 3 different diameters, namely 3", 4" & 6" to suit lighting design requirements.

These luminaires are suitable for various facade lighting requirements along with accent lighting, building columns and architectural highlighting etc. The Marvik 1 protrudes 4" from the wall, making this product suitable for ADA applications.

This luminaire range can be provided with a bayonet lock baffle to reduce glare, as well as a frosted lens option. The SCE surface conduit entry box option can be provided as an option for an attractive solution to surface conduit entry.

Ligman can also provide custom made boxes to fit on a round surface like a column, pillar or pole.

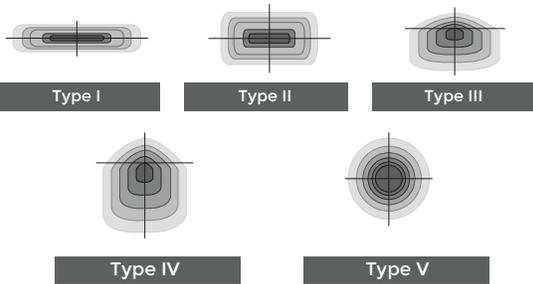
10w LED 5515 Lumens
IP65 • Suitable For Wet Locations
IK08 • Impact Resistant (Vandal Resistant)
Weight 5.7 lbs



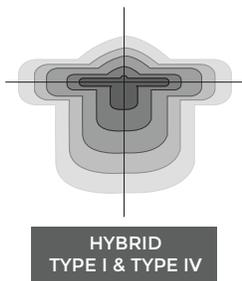
Mounting Detail



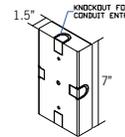
Ligman's micro Variable Optical System provides the ability to interchange, mix & rotate optics to provide specific light distributions for optimized spacing and uniformity.



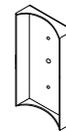
The variable optic system allows for the designer to create hybrid distributions for precise lighting requirements.



Additional Options (Consult Factory For Pricing)



SCE Surface Conduit Decorative Trim



RPA Round Pole Adapter



B Baffle



UMV-30013

Marvik 2 Surface Downlight



| | | | |
|----------------|----------------------|-------------|----------------------|
| PROJECT | <input type="text"/> | DATE | <input type="text"/> |
|----------------|----------------------|-------------|----------------------|

| | | | | | |
|-----------------|----------------------|-------------|----------------------|-------------|----------------------|
| QUANTITY | <input type="text"/> | TYPE | <input type="text"/> | NOTE | <input type="text"/> |
|-----------------|----------------------|-------------|----------------------|-------------|----------------------|

ORDERING EXAMPLE || UMV - 30013 - 10w - M - W30 - 02 - 120/277v - Options

| | | | | | |
|------------------|-----------------------|--|--|---|-----------------------------|
| UMV-30013 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| | LAMP | BEAM | LED COLOR | FINISH COLOR | VOLTAGE |
| | 10w LED 893 Lumens | M - Medium 32° W - Wide 52° VW - Very Wide 65° EW - Extra Wide 108° T1 - Type I Distribution T2 - Type II Distribution T3 - Type III Distribution T4 - Type IV Distribution | W27 - 2700K W30 - 3000K W35 - 3500K W40 - 4000K | 01 - BLACK RAL 9011 02 - DARK GREY RAL 7043 03 - WHITE RAL 9003 04 - METALLIC SILVER RAL 9006 05 - MATTE SILVER RAL 9006 06 - LIGMAN BRONZE 07 - CUSTOM RAL | 120/277v Other - Specify |

| | | |
|----------------------|----------------------|----------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> |
|----------------------|----------------------|----------------------|

ADDITIONAL OPTIONS

- NAT - Natatorium Rated
- 4MP - 4" Mounting Plate
- DIM - 0-10v Dimming
- SCE - Surface Conduit Decorative Trim
- RPA - Round Pole Adapter
- B - Baffle
- AMB - Turtle Friendly Amber LED

Marvik Product Family

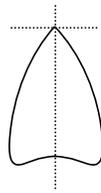


UMV-30001



UMV-30021





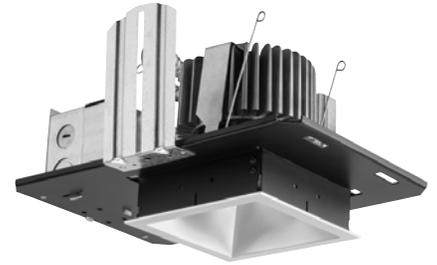
OVERVIEW

General Illumination Square Downlight

4"

Feature Set

- Bounding Ray™ optical design
- Unitized 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 SDCM; 85 CRI typical, 90+ CRI optional
- Fixtures are wet location, covered ceiling
- ENERGY STAR® certified product
- Available with 10% dimming, 1% dimming, or dim to dark
- Batwing distribution with feathered edges provides even illumination on horizontal and vertical surfaces



Distribution



Superior Performance

| Nominal Lumens | 250 | 500 | 750 | 1000 | 1500 | 2000 | 2500 | 3000 | 3500 |
|-------------------|------|------|-------|-------|-------|-------|-------|------|------|
| Delivered Lumens* | 271 | 573 | 808 | 1001 | 1527 | 1994 | 2580 | 3110 | 3612 |
| Wattage | 3.1 | 7.2 | 7.9 | 8.8 | 13.7 | 19.5 | 25.7 | 31.2 | 38.4 |
| Lumens per Watt | 87.4 | 79.6 | 102.3 | 113.8 | 111.5 | 102.3 | 100.4 | 99.7 | 94.1 |

COMPLEMENTARY PRODUCTS

Coordinated Apertures | Multiple Layers of Light



General Illumination Layer | EVO



High Center Beam Layer | Incito



EVO + Incito — Multiple Layers of Light

Core



Healthcare



Special Applications



ORDERING INFORMATION

 A+ Capable options indicated by this color background.

 **Design2Ship Quick Ship Program:** Options in green text qualify for Design2Ship — 5 business days from order entry to ship. Refer to Design2Ship Brochure for complete program details. **Maximum Order Quantity: 100 units; 50 for Chicago Plenum.**

Luminaire Type:

Catalog Number:

EXAMPLE: EV04SQ 35/15 AR LSS MVOLT EZ1

| Series | Color Temperature | Nominal Lumen Values | Reflector & Flange Color | Trim Style | Finish |
|--------|-------------------|----------------------|---|----------------------|-------------------|
| EV04SQ | 27/ 2700 K | 02 250 lumens | AR Clear | (blank) Self-flanged | LSS Semi-specular |
| | 30/ 3000 K | 05 500 lumens | PR Pewter | FL Flangeless | LD Matte-diffuse |
| | 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 | | |
| | | | BR ¹ Black | | |
| | | | WRAMF ¹ White anti-microbial | | |

| Voltage | Driver ⁴ | Options |
|--------------------|--|---|
| MVOLT | GZ10 0-10V driver dims to 10% | EDAB ⁵ eldoLED SOLOdrive DALI. Logarithmic dimming to <1%. |
| 120 | GZ1 0-10V driver dims to 1% | EDXB ⁵ eldoLED POWERdrive DMX with RDM (remote device management). Square Law dimming to <1%. Includes termination resistor. Minimum 1000 lumens. Refer to DMXR Manual |
| 277 | EZ10 eldoLED 0-10V ECOdrive. Linear dimming to 10% min. | ECOS2 ⁵ Lutron® Hi-Lume® 2-wire forward-phase driver. Minimum dimming level 1%, 120V only. Minimum 1000 lumens. |
| 347 ^{2,3} | EZ1 eldoLED 0-10V ECOdrive. Linear dimming to 1% min. | ECOD ⁵ Lutron Ecosystem digital Hi-Lume 1% soft-on, fade to black |
| | EZB eldoLED 0-10V SOLOdrive. Logarithmic dimming to <1%. | |

| Control Interface | Options |
|---|--|
| NLT ⁶ nLight® dimming pack controls | SF Single fuse. Specify 120V or 277V. |
| NLTER ^{2,6,10} nLight® dimming pack controls emergency circuit | TRW ⁷ White painted flange |
| NLTAIR ^{2,6,12} nLight® AIR enabled | TRBL ⁸ Black painted flange |
| NLTAIRER ^{2,10,13} nLight® AIR enabled emergency | EL ⁹ Emergency battery pack, 10W, with integral test switch |
| EXA1 XPoint Wireless, eldoLED driver. Linear dimming to 1% | ELR ⁹ Emergency battery pack, 10W, with remote test switch |
| EXAB XPoint Wireless, eldoLED driver. Logarithmic dimming to dark | ELSD ⁹ Emergency battery pack, 10W, with self-diagnostics, integral test switch |
| | ELRSD ⁹ Emergency battery pack, 10W, with self-diagnostics, remote test switch |
| | E10WCP ⁹ Emergency battery pack, 10W Constant Power, CA Title 20 compliant with integral test switch |
| | E10WCPR ⁹ Emergency battery pack, 10W Constant Power, CA Title 20 compliant with remote test switch |
| | N80 ¹¹ nLight® Lumen Compensation |
| | BGTD Bodine generator transfer device. Specify 120V or 277V. |
| | 90CRI High CRI (90+) |
| | CP ¹² Chicago Plenum. Specify 120V or 277V with FL option. |
| | RRL_ RELOC®-ready luminaire connectors enable a simple and consistent factory installed option across all ABL luminaire brands. Refer to RRL for complete nomenclature |

ACCESSORIES — order as separate catalog numbers (shipped separately)

ISD BC 0-10V wallbox dimmer. Refer to [ISD-BC](#).

ORDERING NOTES

- Not available with finishes.
- 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® and XPoint options.
- Specify voltage.
- For use with different reflector finish only (i.e. AR, PR, WTR, GR options). Not applicable with WR (white reflector) or FL option.
- For use with different reflector finish only (i.e. AR, PR, WTR, GR options). Not applicable with BR (black reflector) or FL option.
- 11" of plenum depth or top access required for battery pack maintenance.
- 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.
- Not available with battery pack, EXA1, or EXAB options.
- Not available DALI or DMX drivers. Not available with CP, or N80 options. Not recommended for metal ceiling installations.

Optical Assembly

Fully serviceable and upgradeable lensed LED light engine suitable for field maintenance or service from below the ceiling. 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%. eldoLED 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

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).

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 6,000 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.

Warranty

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/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

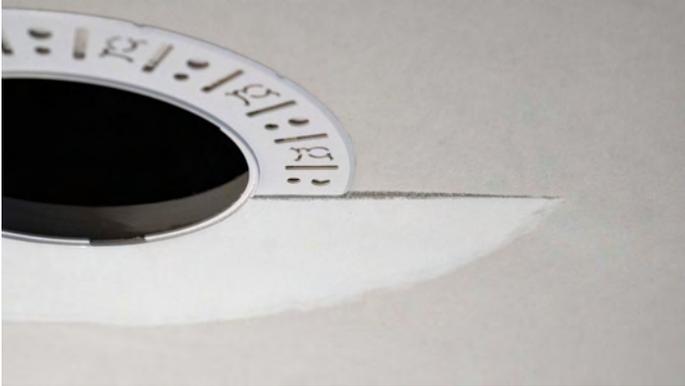
This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- 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*

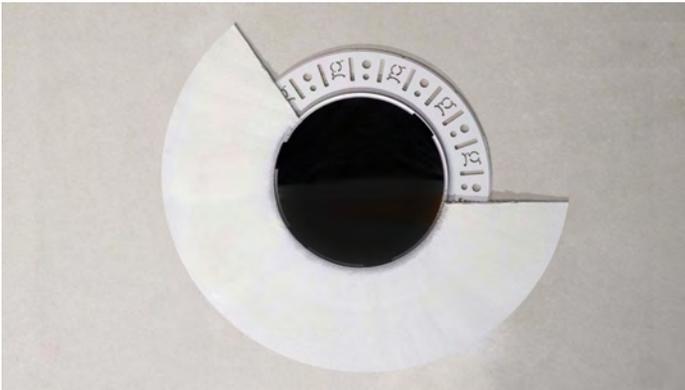
To learn more about A+, visit www.acuitybrands.com/aplus.

*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.

| 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 |
| EXA1 | 1% | Linear | Linear/Logarithmic |
| EZB | <1% | Logarithmic | Linear |
| EDAB | <1% | Logarithmic | Linear |
| EXAB | <1% | Logarithmic | Linear |
| EDXB | <1% | Square | Linear |

| Lumen Output Multiplier | | |
|-------------------------|-------|------------|
| CRI | CCT | Multiplier |
| 80 | 2700K | 0.96 |
| | 3000K | 1.00 |
| | 3500K | 1.00 |
| | 4000K | 1.01 |
| | 5000K | 1.07 |
| 90 | 2700K | 0.80 |
| | 3000K | 0.83 |
| | 3500K | 0.85 |
| | 4000K | 0.87 |
| | 5000K | 0.91 |

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

| 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.

*Dimensions in inches [centimeters]

Aperture: 4-5/16" (11)

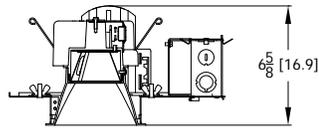
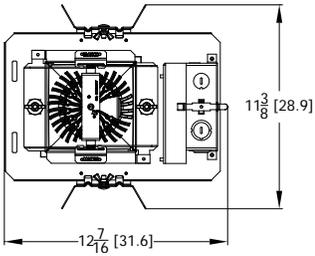
Ceiling Opening: 5-1/8" (13) self-flanged

Overlap trim: 5-7/16" (13.8)

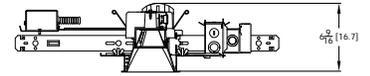
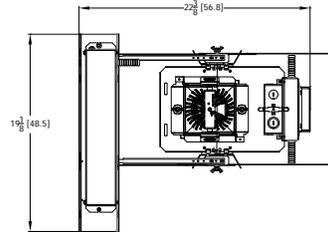
5-1/4" (13.3) flangeless

DIMENSIONAL DATA

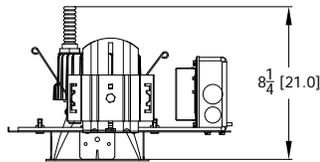
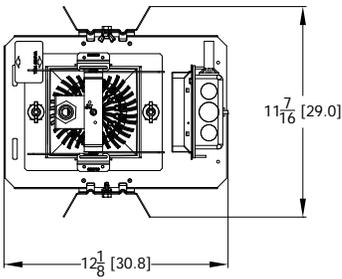
Standard



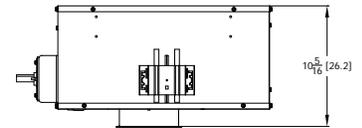
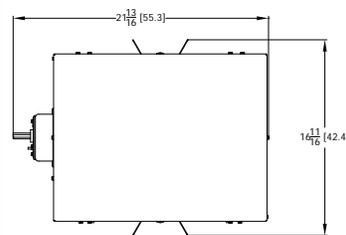
Battery Pack



CP Standard

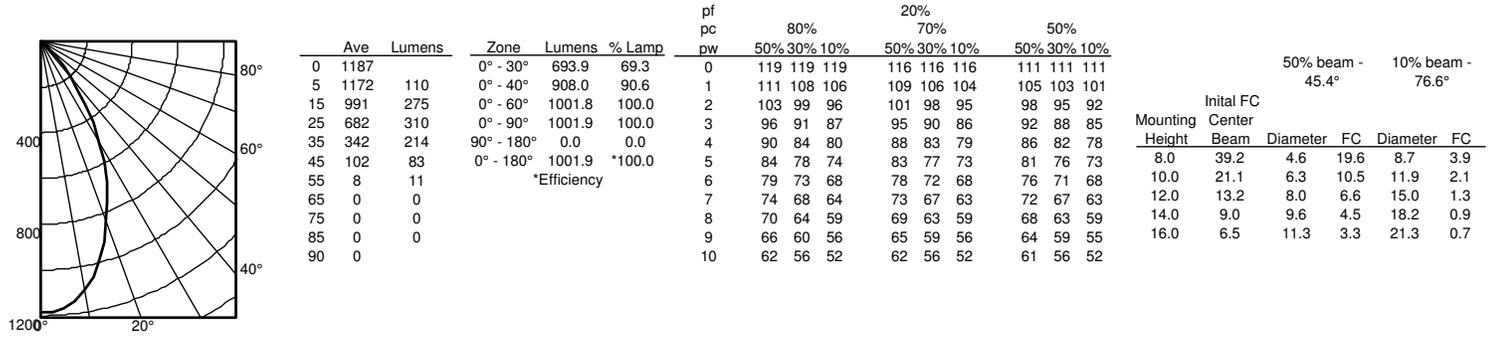


CP Enclosed For Use With Flangeless & nLight

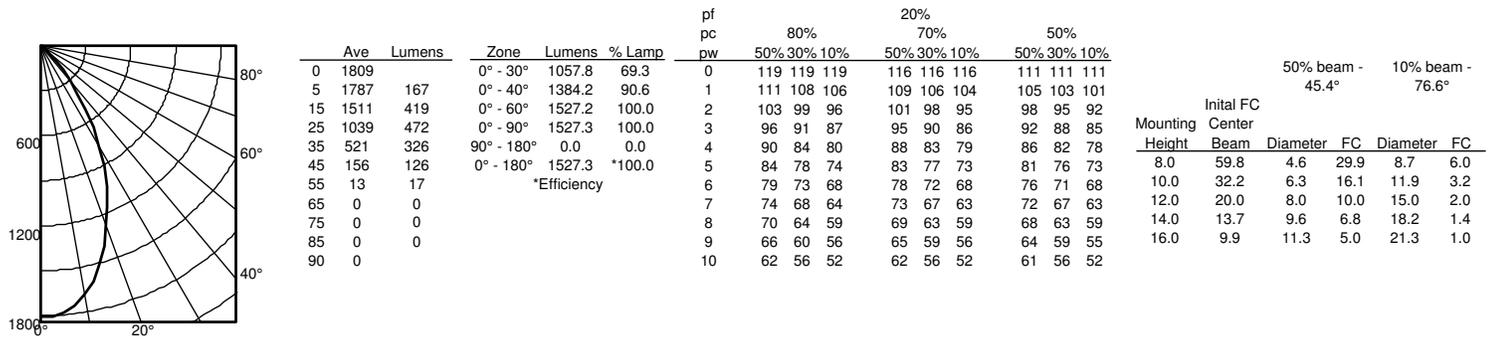


Photometry

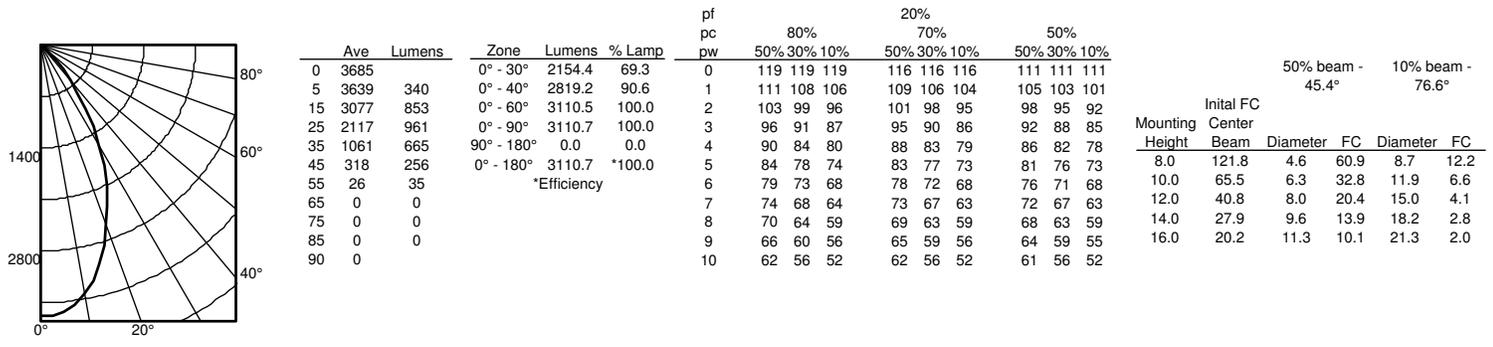
EVO4SQ 35/10 AR LSS INPUT WATTS: 8.8W, DELIVERED LUMENS: 1002LM, LPW= 113.9LM 0.87 S/MH, TEST NO. LTL27794P85



EVO4SQ 35/15 AR LSS INPUT WATTS: 13.7W, DELIVERED LUMENS: 1527LM, LPW= 111.5LM 0.87 S/MH, TEST NO. LTL27794P89



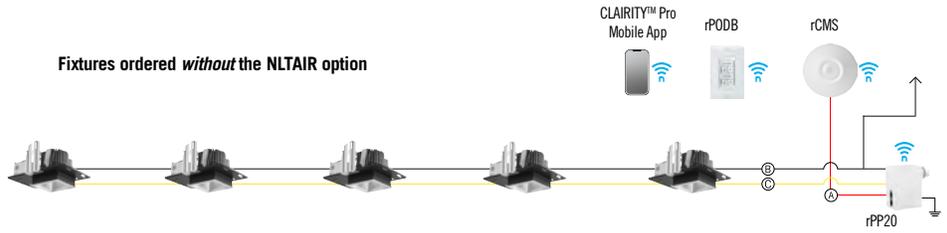
EVO4SQ 35/30 AR LSS INPUT WATTS: 31.2W, DELIVERED LUMENS: 3110LM, LPW= 99.7LM 0.87 S/MH, TEST NO. LTL27794P101



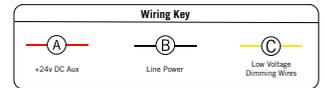
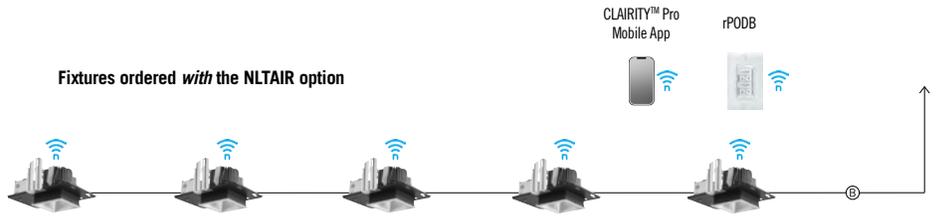
nLight® AIR is the ideal solution for retrofit or new construction spaces where adding communication wiring is cost prohibitive. The integrated nLight AIR rPP20 Power Pack is part of each EVO Luminaire ordered with the NLTAIR option. These individually addressable controls offer the ultimate in flexibility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

Possibilities for nLight® AIR

Fixtures ordered *without* the NLTAIR option



Fixtures ordered *with* the NLTAIR option



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 |

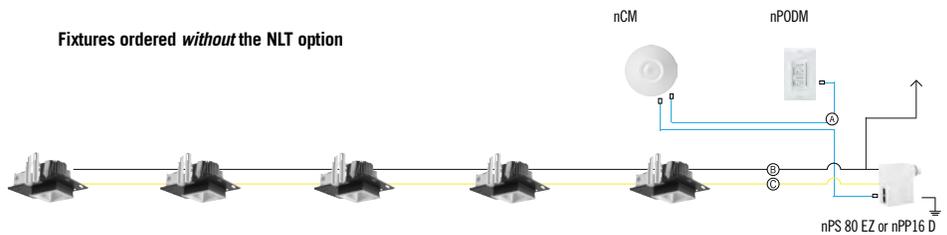
nLight® AIR Control Accessories (cont.)

| 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 |

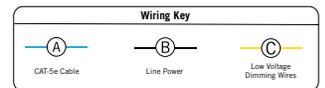
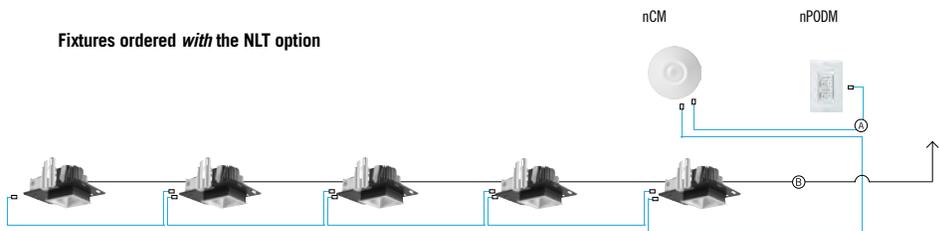
nLight® The nLight® solution is a digital networked lighting control system that provides both energy savings and increased user configurability by cost effectively integrating time-based, daylight-based, sensor-based and manual lighting control schemes.

Possibilities for nLight® wired

Fixtures ordered *without* the NLT option



Fixtures ordered *with* the NLT option



nLight® Wired Control Accessories

Order as separate catalog number. Visit [nLight](#).

| Wall Switches | Model Number |
|----------------------------------|----------------|
| On/Off single pole | nPODM XX |
| On/Off two pole | nPODM 2P XX |
| On/Off & raise/lower single pole | nPOD DX XX |
| On/Off & raise/lower two pole | nPODM 2P DX XX |
| Graphic touchscreen | nPOD GFX XX |

| 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) | Model Number |
|-----------------------------|--------------|
| 10', CAT5 | CAT5 10FT J1 |
| 15', CAT5 | CAT5 15FT J1 |

| | | | | | |
|-------------|--|-----------|--|------|--|
| Project | | Catalog # | | Type | |
| Prepared by | | Notes | | Date | |



Metalux

Vaportite LED

2' and 4' Industrial LED
Vaportite Industrial

Typical Applications

Parking Garage • Cold Storage • Canopy • Warehouse • Food Processing • Manufacturing • Complex Environments

Interactive Menu

- Order Information [page 2](#)
- Photometric Data [page 3](#)
- Product Warranty

Product Certification



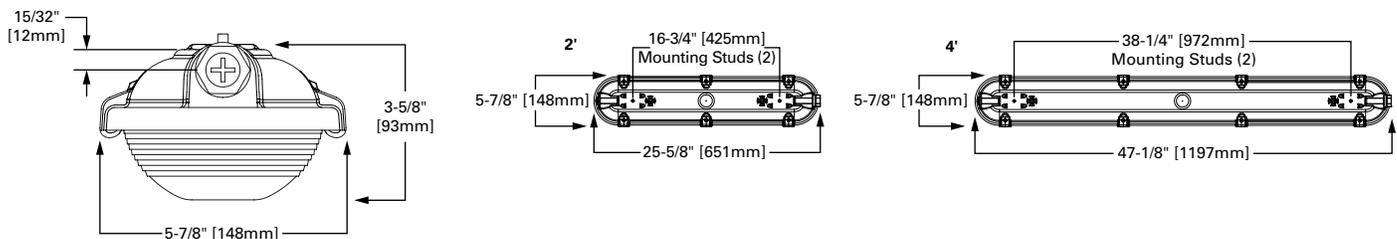
Product Features



Top Product Features

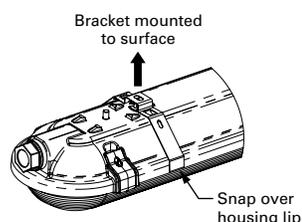
- Compact and durable fiberglass reinforced polyester housing
- Precision optics in general, wide, or parking garage distribution
- High Impact Polycarbonate optical lens
- Available in 2ft and 4ft, with lumen packages up to 8,000 lumens
- Wet Location and IP67 Listed

Dimensional, Mounting Details

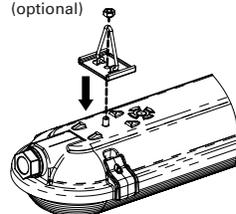


Installation Data

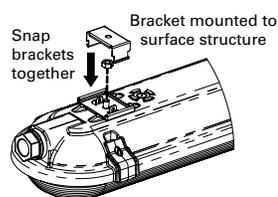
STANDARD



V-HANGER (optional)



SURFACE BRACKET (optional)



Order Information

SAMPLE ORDER NUMBER: **4VT3-LD5-6-G-UNV-L840-CD1-U**

| Series | Lamp Type | LED Lumens Output | Distribution | Voltage | Remote Emergency Enclosure |
|---|-------------|---|--|--|--|
| Series ⁽⁹⁾ | Lamp Type | LED Lumens Output | Distribution ^{(7), (8)} | Voltage | Remote Emergency Enclosure |
| 2VT3=2' Vaportite 4VT3=4' Vaportite | LD5=LED 5.0 | 2 ft. 2=2000 Lumens 3=3000 Lumens 4=4000 Lumens 4 ft. 4=4000 Lumens 5=5000 Lumens 6=6000 Lumens 8=8000 Lumens | G =General Distribution W =Wide Distribution P =Parking Garage Distribution WPC =Wide Distribution, Polycarbonate PPC =Parking Distribution, Polycarbonate | 120V =120 Volt 277V =277 Volt 347V =347 Volt 480V =480 Volt UNV =Universal Voltage 120-277 Volt UNC =Universal Voltage 347-480 Volt | EL10W =10-watt, 120-277V emergency battery pack installed ^{(1),(2),(5)} VT-REM-EL10W =Remote mounted 10-watt, 120-277V emergency battery pack ^{(1),(6)} |
| Notes (9) DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details. | | | Notes (7) General distribution provided with smooth frosted lens, Wide distribution provided with frosted prismatic lens, and Parking Garage distribution provided with clear prismatic lens. (8) IP69 only available in Wide or Parking Garage distributions. | | Notes (1) EL and REM-EL options not available with UNC, 347V and 480V configurations. (2) EL10W available in 4ft 4000 and 6000 lumen packages only. (3) IP ratings require fixtures be mounted horizontally. (4) Specify voltage when ordering sensor option. (5) EL10W option rated for max. 35°C ambient. (6) VT-REM-EL10W option rated for max. 45°C ambient. |

| Lamps | Driver Type | Options | Packaging | Accessories |
|---|--|---|---------------------|--|
| Lamps | Driver Type | Options | Packaging | Accessories (order separately) |
| L835 =3500K, LED L840 =4000K, LED L850 =5000K, LED | CD1 =1 Dimming Driver SLTD1 =Fifth Light DALI | SSL =Stainless Steel Latches TP =Standard Latch with Tamper-proof Screws SSLTP =Stainless Steel Latches with Tamper-proof Screws MSWL20 =Wet Listed Motion Sensor 360° HBE11 =Wet location PIR Indoor/Outdoor Occupancy Sensor ⁽¹⁰⁾ | U =Unit Pack | VT3-SS-VBK =Stainless Steel V-Bracket (2 per kit) VT3-SS-SBK =Stainless Steel Surface Bracket (2 per kit) |
| | | Notes (10) Available for 120V, 277V, and 347V voltage only. | | |

Product Specifications

Construction

- Rugged and durable construction
- Fiberglass housing is reinforced polyester and self-extinguishing (ASTM-D635-74) plastic
- Full metal fixture liner
- Watertight housing
- 1/2" conduit entry at each end of housing (standard) for continuous feed
- Polyurethane gasketing provides a continuous seamless seal for the diffuser lens
- Four sturdy cam latches clamp diffuser tightly for a positive seal between housing, gasketing and diffuser
- Stainless steel latches option
- Surface or chain mounting

Electrical

- Long-Life LED system coupled with electrical driver for optimal performance
- LED's available in 3500K, 4000K and 5000K with a CRI \geq 80
- Projected life is 60,000 hours at 91% lumen output
- Electronic drivers are available for 120-277V applications
- 0-10V dimming control (standard)
- Operating temperature of -40°C to 55°C; Ideal for cold storage environments

Lens

- Thermoformed low profile, high impact 50% DR High acrylic lens
- Smooth frosted lens for general distribution
- Frosted prismatic lens for wide distribution
- Clear prismatic lens for parking garage distribution

Warranty

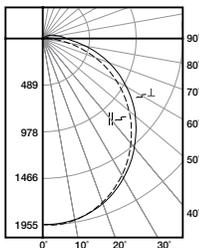
- Five-year limited warranty

Compliance

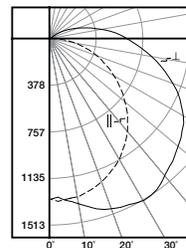
- UL/cUL listed for Wet location
- RoHS compliant
- LED modules comply with IESNA LM-79 and LM-80 standards
- NEMA 4X, IP65, IP66 and IP67 rated (see installation instructions for requirements)
- IP69 rated with wide or parking garage distributions
- NSF International certified for NSF/ANSI Standard 2 – Food Equipment
- DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium (refer to www.designlights.org for details)

Photometric Data

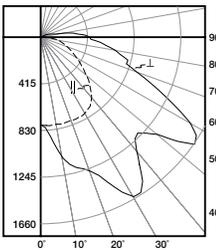
 [View IES files](#)



4VT3-LD5-6-G-UNV-L840-CD1-U
 Electronic Driver
 Linear LED 4000K
 Spacing criterion: (II) 1.24 x mounting height,
 (⊥) 1.26 x mounting height
 Lumens: 6033
 Input Watts: 51.1W
 Efficacy: 118.1 lm/W
 Test Report:
 4VT3-LD5-6-G-UNV-L840-CD1-U.IES



4VT3-LD5-6-W-UNV-L840-CD1-U
 Electronic Driver
 Linear LED 4000K
 Spacing criterion: (II) 1.27 x mounting height,
 (⊥) 1.67 x mounting height
 Lumens: 6655
 Input Watts: 49.3W
 Efficacy: 135 lm/W
 Test Report:
 4VT3-LD5-6-W-UNV-L840-CD1-U.IES



4VT3-LD5-6-P-UNV-L840-CD1-U
 Electronic Driver
 Linear LED 4000K
 Spacing criterion: (II) 1.45 x mounting height,
 (⊥) 2.17 x mounting height
 Lumens: 6050
 Input Watts: 49.3W
 Efficacy: 122.7 lm/W
 Test Report:
 4VT3-LD5-6-P-UNV-L840-CD1-U.IES

Energy and Performance Data by Catalog Number

| Catalog Number | Description | Delivered Lumens | Watts | Efficacy (lm/W) |
|-----------------------------|--|------------------|-------|-----------------|
| General | | | | |
| 2VT3-LD5-2-G-UNV-L850-CD1-U | 2ft Vaportight, 2K Lumen, General Dist, 120-277V, 5000K, Dim | 2203 | 16 | 138 |
| 2VT3-LD5-3-G-UNV-L850-CD1-U | 2ft Vaportight, 3K Lumen, General Dist, 120-277V, 5000K, Dim | 3334 | 24 | 139 |
| 2VT3-LD5-4-G-UNV-L850-CD1-U | 2ft Vaportight, 4K Lumen, General Dist, 120-277V, 5000K, Dim | 4366 | 32 | 136 |
| 4VT3-LD5-4-G-UNV-L850-CD1-U | 4ft Vaportight, 4K Lumen, General Dist, 120-277V, 5000K, Dim | 4428 | 32 | 138 |
| 4VT3-LD5-5-G-UNV-L850-CD1-U | 4ft Vaportight, 5K Lumen, General Dist, 120-277V, 5000K, Dim | 5405 | 44 | 124 |
| 4VT3-LD5-6-G-UNV-L850-CD1-U | 4ft Vaportight, 6K Lumen, General Dist, 120-277V, 5000K, Dim | 6490 | 51 | 127 |
| 4VT3-LD5-8-G-UNV-L850-CD1-U | 4ft Vaportight, 8K Lumen, General Dist, 120-277V, 5000K, Dim | 8694 | 67 | 130 |
| Wide | | | | |
| 2VT3-LD5-2-W-UNV-L850-CD1-U | 2ft Vaportight, 2K Lumen, Wide Dist, 120-277V, 5000K, Dim | 2445 | 17 | 144 |
| 2VT3-LD5-3-W-UNV-L850-CD1-U | 2ft Vaportight, 3K Lumen, Wide Dist, 120-277V, 5000K, Dim | 3547 | 25 | 142 |
| 2VT3-LD5-4-W-UNV-L850-CD1-U | 2ft Vaportight, 4K Lumen, Wide Dist, 120-277V, 5000K, Dim | 4700 | 34 | 138 |
| 4VT3-LD5-4-W-UNV-L850-CD1-U | 4ft Vaportight, 4K Lumen, Wide Dist, 120-277V, 5000K, Dim | 4767 | 31 | 154 |
| 4VT3-LD5-5-W-UNV-L850-CD1-U | 4ft Vaportight, 5K Lumen, Wide Dist, 120-277V, 5000K, Dim | 5818 | 44 | 133 |
| 4VT3-LD5-6-W-UNV-L850-CD1-U | 4ft Vaportight, 6K Lumen, Wide Dist, 120-277V, 5000K, Dim | 7159 | 49 | 146 |
| 4VT3-LD5-8-W-UNV-L850-CD1-U | 4ft Vaportight, 8K Lumen, Wide Dist, 120-277V, 5000K, Dim | 9552 | 70 | 136 |
| Parking | | | | |
| 2VT3-LD5-2-P-UNV-L850-CD1-U | 2ft Vaportight, 2K Lumen, Parking Garage, 120-277V, 5000K, Dim | 2228 | 17 | 131 |
| 2VT3-LD5-3-P-UNV-L850-CD1-U | 2ft Vaportight, 3K Lumen, Parking Garage, 120-277V, 5000K, Dim | 3231 | 25 | 129 |
| 2VT3-LD5-4-P-UNV-L850-CD1-U | 2ft Vaportight, 4K Lumen, Parking Garage, 120-277V, 5000K, Dim | 4271 | 34 | 126 |
| 4VT3-LD5-4-P-UNV-L850-CD1-U | 4ft Vaportight, 4K Lumen, Parking Garage, 120-277V, 5000K, Dim | 4338 | 31 | 140 |
| 4VT3-LD5-5-P-UNV-L850-CD1-U | 4ft Vaportight, 5K Lumen, Parking Garage, 120-277V, 5000K, Dim | 5294 | 44 | 121 |
| 4VT3-LD5-6-P-UNV-L850-CD1-U | 4ft Vaportight, 6K Lumen, Parking Garage, 120-277V, 5000K, Dim | 6509 | 49 | 133 |
| 4VT3-LD5-8-P-UNV-L850-CD1-U | 4ft Vaportight, 8K Lumen, Parking Garage, 120-277V, 5000K, Dim | 8671 | 69 | 126 |

Lumen Maintenance

| Ambient Temperature | TM-21 Lumen Maintenance (60,000 hours) | Theoretical L70 (Hours) |
|---------------------|--|-------------------------|
| 25°C | > 91% | > 247,000 |

Input Watts:

| |
|-------------------------------|
| 4VT3LD5-4 (4,000 lumens)=31W |
| 4VT3-LD5-5 (5,000 lumens)=44W |
| 4VT3-LD5-6 (6,000 lumens)=49W |
| 4VT3-LD5-8 (8,000 lumens)=69W |

Ambient Ratings

| 2ft. Lumen Package | Ambient Rating |
|--------------------|----------------|
| 2VT3-LD5-2 | 55°C |
| 2VT3-LD5-3 | 50°C |
| 2VT3-LD5-4 | 50°C |

| 4ft. Lumen Package | Ambient Rating |
|--------------------|----------------|
| 4VT3-LD5-4 | 55°C |
| 4VT3-LD5-5 | 50°C |
| 4VT3-LD5-6 | 50°C |
| 4VT3-LD5-8 | 45°C |

Shipping Data

| Catalog No. | Wt. |
|-------------|---------|
| 4VT3-LD5 | 12 lbs. |

| | | | | | |
|-------------|--|-----------|--|------|--|
| Project | | Catalog # | | Type | |
| Prepared by | | Notes | | Date | |



Metalux

Vaportite LED

2' and 4' Industrial LED
Vaportite Industrial

Typical Applications

Parking Garage • Cold Storage • Canopy • Warehouse • Food Processing • Manufacturing • Complex Environments

Interactive Menu

- Order Information [page 2](#)
- Photometric Data [page 3](#)
- Product Warranty

Product Certification



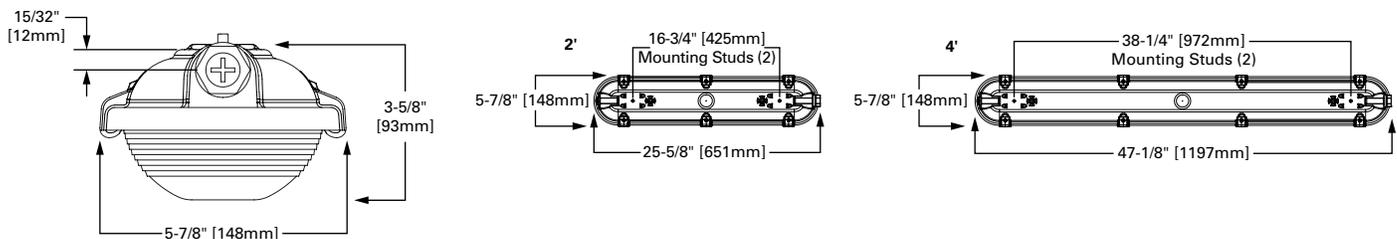
Product Features



Top Product Features

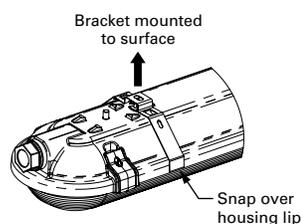
- Compact and durable fiberglass reinforced polyester housing
- Precision optics in general, wide, or parking garage distribution
- High Impact Polycarbonate optical lens
- Available in 2ft and 4ft, with lumen packages up to 8,000 lumens
- Wet Location and IP67 Listed

Dimensional, Mounting Details

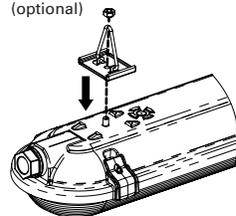


Installation Data

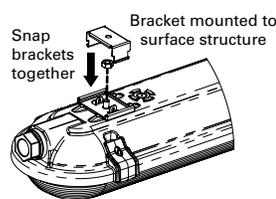
STANDARD



V-HANGER (optional)



SURFACE BRACKET (optional)



Order Information

SAMPLE ORDER NUMBER: **4VT3-LD5-6-G-UNV-L840-CD1-U**

| Series | Lamp Type | LED Lumens Output | Distribution | Voltage | Remote Emergency Enclosure |
|---|-------------|---|--|--|--|
| Series ⁽⁹⁾ | Lamp Type | LED Lumens Output | Distribution ^{(7), (8)} | Voltage | Remote Emergency Enclosure |
| 2VT3=2' Vaportite 4VT3=4' Vaportite | LD5=LED 5.0 | 2 ft. 2=2000 Lumens 3=3000 Lumens 4=4000 Lumens 4 ft. 4=4000 Lumens 5=5000 Lumens 6=6000 Lumens 8=8000 Lumens | G =General Distribution W =Wide Distribution P =Parking Garage Distribution WPC =Wide Distribution, Polycarbonate PPC =Parking Distribution, Polycarbonate | 120V =120 Volt 277V =277 Volt 347V =347 Volt 480V =480 Volt UNV =Universal Voltage 120-277 Volt UNC =Universal Voltage 347-480 Volt | EL10W =10-watt, 120-277V emergency battery pack installed ^{(1),(2),(5)} VT-REM-EL10W =Remote mounted 10-watt, 120-277V emergency battery pack ^{(1),(6)} |
| Notes (9) DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details. | | | Notes (7) General distribution provided with smooth frosted lens, Wide distribution provided with frosted prismatic lens, and Parking Garage distribution provided with clear prismatic lens. (8) IP69 only available in Wide or Parking Garage distributions. | | Notes (1) EL and REM-EL options not available with UNC, 347V and 480V configurations. (2) EL10W available in 4ft 4000 and 6000 lumen packages only. (3) IP ratings require fixtures be mounted horizontally. (4) Specify voltage when ordering sensor option. (5) EL10W option rated for max. 35°C ambient. (6) VT-REM-EL10W option rated for max. 45°C ambient. |

| Lamps | Driver Type | Options | Packaging | Accessories |
|---|--|---|---------------------|--|
| Lamps | Driver Type | Options | Packaging | Accessories (order separately) |
| L835 =3500K, LED L840 =4000K, LED L850 =5000K, LED | CD1 =1 Dimming Driver SLTD1 =Fifth Light DALI | SSL =Stainless Steel Latches TP =Standard Latch with Tamper-proof Screws SSLTP =Stainless Steel Latches with Tamper-proof Screws MSWL20 =Wet Listed Motion Sensor 360° HBE11 =Wet location PIR Indoor/Outdoor Occupancy Sensor ⁽¹⁰⁾ | U =Unit Pack | VT3-SS-VBK =Stainless Steel V-Bracket (2 per kit) VT3-SS-SBK =Stainless Steel Surface Bracket (2 per kit) |
| | | Notes (10) Available for 120V, 277V, and 347V voltage only. | | |

Product Specifications

Construction

- Rugged and durable construction
- Fiberglass housing is reinforced polyester and self-extinguishing (ASTM-D635-74) plastic
- Full metal fixture liner
- Watertight housing
- 1/2" conduit entry at each end of housing (standard) for continuous feed
- Polyurethane gasketing provides a continuous seamless seal for the diffuser lens
- Four sturdy cam latches clamp diffuser tightly for a positive seal between housing, gasketing and diffuser
- Stainless steel latches option
- Surface or chain mounting

Electrical

- Long-Life LED system coupled with electrical driver for optimal performance
- LED's available in 3500K, 4000K and 5000K with a CRI \geq 80
- Projected life is 60,000 hours at 91% lumen output
- Electronic drivers are available for 120-277V applications
- 0-10V dimming control (standard)
- Operating temperature of -40°C to 55°C; Ideal for cold storage environments

Lens

- Thermoformed low profile, high impact 50% DR High acrylic lens
- Smooth frosted lens for general distribution
- Frosted prismatic lens for wide distribution
- Clear prismatic lens for parking garage distribution

Warranty

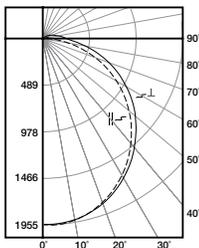
- Five-year limited warranty

Compliance

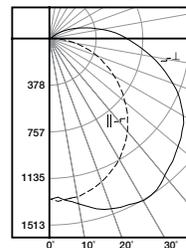
- UL/cUL listed for Wet location
- RoHS compliant
- LED modules comply with IESNA LM-79 and LM-80 standards
- NEMA 4X, IP65, IP66 and IP67 rated (see installation instructions for requirements)
- IP69 rated with wide or parking garage distributions
- NSF International certified for NSF/ANSI Standard 2 – Food Equipment
- DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium (refer to www.designlights.org for details)

Photometric Data

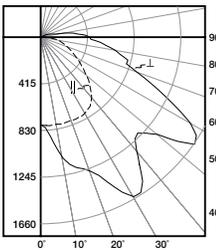
 [View IES files](#)



4VT3-LD5-6-G-UNV-L840-CD1-U
 Electronic Driver
 Linear LED 4000K
 Spacing criterion: (II) 1.24 x mounting height,
 (⊥) 1.26 x mounting height
 Lumens: 6033
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 Efficacy: 118.1 lm/W
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4VT3-LD5-6-W-UNV-L840-CD1-U
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 Input Watts: 49.3W
 Efficacy: 135 lm/W
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4VT3-LD5-6-P-UNV-L840-CD1-U
 Electronic Driver
 Linear LED 4000K
 Spacing criterion: (II) 1.45 x mounting height,
 (⊥) 2.17 x mounting height
 Lumens: 6050
 Input Watts: 49.3W
 Efficacy: 122.7 lm/W
 Test Report:
 4VT3-LD5-6-P-UNV-L840-CD1-U.IES

Energy and Performance Data by Catalog Number

| Catalog Number | Description | Delivered Lumens | Watts | Efficacy (lm/W) |
|-----------------------------|--|------------------|-------|-----------------|
| General | | | | |
| 2VT3-LD5-2-G-UNV-L850-CD1-U | 2ft Vaportight, 2K Lumen, General Dist, 120-277V, 5000K, Dim | 2203 | 16 | 138 |
| 2VT3-LD5-3-G-UNV-L850-CD1-U | 2ft Vaportight, 3K Lumen, General Dist, 120-277V, 5000K, Dim | 3334 | 24 | 139 |
| 2VT3-LD5-4-G-UNV-L850-CD1-U | 2ft Vaportight, 4K Lumen, General Dist, 120-277V, 5000K, Dim | 4366 | 32 | 136 |
| 4VT3-LD5-4-G-UNV-L850-CD1-U | 4ft Vaportight, 4K Lumen, General Dist, 120-277V, 5000K, Dim | 4428 | 32 | 138 |
| 4VT3-LD5-5-G-UNV-L850-CD1-U | 4ft Vaportight, 5K Lumen, General Dist, 120-277V, 5000K, Dim | 5405 | 44 | 124 |
| 4VT3-LD5-6-G-UNV-L850-CD1-U | 4ft Vaportight, 6K Lumen, General Dist, 120-277V, 5000K, Dim | 6490 | 51 | 127 |
| 4VT3-LD5-8-G-UNV-L850-CD1-U | 4ft Vaportight, 8K Lumen, General Dist, 120-277V, 5000K, Dim | 8694 | 67 | 130 |
| Wide | | | | |
| 2VT3-LD5-2-W-UNV-L850-CD1-U | 2ft Vaportight, 2K Lumen, Wide Dist, 120-277V, 5000K, Dim | 2445 | 17 | 144 |
| 2VT3-LD5-3-W-UNV-L850-CD1-U | 2ft Vaportight, 3K Lumen, Wide Dist, 120-277V, 5000K, Dim | 3547 | 25 | 142 |
| 2VT3-LD5-4-W-UNV-L850-CD1-U | 2ft Vaportight, 4K Lumen, Wide Dist, 120-277V, 5000K, Dim | 4700 | 34 | 138 |
| 4VT3-LD5-4-W-UNV-L850-CD1-U | 4ft Vaportight, 4K Lumen, Wide Dist, 120-277V, 5000K, Dim | 4767 | 31 | 154 |
| 4VT3-LD5-5-W-UNV-L850-CD1-U | 4ft Vaportight, 5K Lumen, Wide Dist, 120-277V, 5000K, Dim | 5818 | 44 | 133 |
| 4VT3-LD5-6-W-UNV-L850-CD1-U | 4ft Vaportight, 6K Lumen, Wide Dist, 120-277V, 5000K, Dim | 7159 | 49 | 146 |
| 4VT3-LD5-8-W-UNV-L850-CD1-U | 4ft Vaportight, 8K Lumen, Wide Dist, 120-277V, 5000K, Dim | 9552 | 70 | 136 |
| Parking | | | | |
| 2VT3-LD5-2-P-UNV-L850-CD1-U | 2ft Vaportight, 2K Lumen, Parking Garage, 120-277V, 5000K, Dim | 2228 | 17 | 131 |
| 2VT3-LD5-3-P-UNV-L850-CD1-U | 2ft Vaportight, 3K Lumen, Parking Garage, 120-277V, 5000K, Dim | 3231 | 25 | 129 |
| 2VT3-LD5-4-P-UNV-L850-CD1-U | 2ft Vaportight, 4K Lumen, Parking Garage, 120-277V, 5000K, Dim | 4271 | 34 | 126 |
| 4VT3-LD5-4-P-UNV-L850-CD1-U | 4ft Vaportight, 4K Lumen, Parking Garage, 120-277V, 5000K, Dim | 4338 | 31 | 140 |
| 4VT3-LD5-5-P-UNV-L850-CD1-U | 4ft Vaportight, 5K Lumen, Parking Garage, 120-277V, 5000K, Dim | 5294 | 44 | 121 |
| 4VT3-LD5-6-P-UNV-L850-CD1-U | 4ft Vaportight, 6K Lumen, Parking Garage, 120-277V, 5000K, Dim | 6509 | 49 | 133 |
| 4VT3-LD5-8-P-UNV-L850-CD1-U | 4ft Vaportight, 8K Lumen, Parking Garage, 120-277V, 5000K, Dim | 8671 | 69 | 126 |

Lumen Maintenance

| Ambient Temperature | TM-21 Lumen Maintenance (60,000 hours) | Theoretical L70 (Hours) |
|---------------------|--|-------------------------|
| 25°C | > 91% | > 247,000 |

Input Watts:

| |
|-------------------------------|
| 4VT3LD5-4 (4,000 lumens)=31W |
| 4VT3-LD5-5 (5,000 lumens)=44W |
| 4VT3-LD5-6 (6,000 lumens)=49W |
| 4VT3-LD5-8 (8,000 lumens)=69W |

Ambient Ratings

| 2ft. Lumen Package | Ambient Rating |
|--------------------|----------------|
| 2VT3-LD5-2 | 55°C |
| 2VT3-LD5-3 | 50°C |
| 2VT3-LD5-4 | 50°C |

| 4ft. Lumen Package | Ambient Rating |
|--------------------|----------------|
| 4VT3-LD5-4 | 55°C |
| 4VT3-LD5-5 | 50°C |
| 4VT3-LD5-6 | 50°C |
| 4VT3-LD5-8 | 45°C |

Shipping Data

| Catalog No. | Wt. |
|-------------|---------|
| 4VT3-LD5 | 12 lbs. |

American Beacon – External Halyard Series

The American Beacon External Halyard Series provide lighting options for flagpole systems in heights from 20' – 50'. These options provide the most environmentally correct way for flagpole illumination, properly lighting the flag during nighttime hours without lighting adjoining properties and the night sky!

- External Halyard 359° Revolving Truck
- 12 Volt System With Driver Contained Inside the Ball
- Warm White, 3000K LED Lights Rated for 25,000+ Hours
- 110V / 120V Input, 12 Volt Output
- Wire Provided For Flagpole Height Plus 10' (Flagpole Height To Be Provided in Part #)
- Standard, 1-1/4" NPT Spindle
- Solar Options Available
- Double Truck Systems are NOT Available

Patent #7,275,495

*** - Specify Finish Option
 SAT = Satin
 BZT = BronzeTone Powder Coat
 BLK = Black Powder Coat
 WHT = White Powder Coat



External Halyard Beacon - Standard Rope Halyard - Revolving - Spindle Truck

| FLAGPOLE MAX TOP DIAMETER | BALL COLOR ANODIZED FINISH | DESCRIPTION | TOTAL LUMENS | BEACON SIZE | PART NUMBER | 1+ SATIN | 1+ POWDER COAT |
|---------------------------|----------------------------|-------------------------------------|--------------|-------------|-----------------------------|----------|----------------|
| 3.5" | Gold | External Halyard BEACON - Standard | 500 | 8" Dia. | Beacon ABES-##FS-GLD-*** | \$1,735 | \$1,836 |
| 3.5" | Silver | External Halyard BEACON - Standard | 500 | 8" Dia. | ABES-##FS-SIL-*** | \$1,735 | \$1,836 |
| Beacon Plus | | | | | | | |
| 3.5" | Gold | Ext. Halyard BEACON PLUS - Standard | 572 | 8" Dia. | ABES-##FP-GLD-*** | \$2,265 | \$2,366 |
| 3.5" | Silver | Ext. Halyard BEACON PLUS - Standard | 572 | 8" Dia. | ABES-##FP-SIL-*** | \$2,265 | \$2,366 |



Beacon Plus - Standard External
 Illuminate the flag while at rest!
 The Standard External Halyard Beacon Plus incorporates two vertical 2 Watt MR8 bulbs.

Example Part #: ABES-30FS-GLD-SAT
 American Beacon External Halyard (Standard), 30' Flagpole, 3.5" Max Top Flagpole Diameter, Standard Beacon, Gold Anodized Ball, Satin Finish

= Specify Flagpole Height (20, 25, 30 etc.)
 *** = Specify Finish Option
 (Specified Finishes Applied to Truck Only.)



External Halyard Beacon - Heavy-Duty Rope Halyard - Revolving - Spindle Truck

| FLAGPOLE MAX TOP DIAMETER | BALL COLOR ANODIZED FINISH | DESCRIPTION | TOTAL LUMENS | BEACON SIZE | PART NUMBER | 1+ SATIN | 1+ POWDER COAT |
|---------------------------|----------------------------|---------------------------------------|--------------|-------------|-----------------------------|----------|----------------|
| 5" | Gold | External Halyard BEACON - Heavy-Duty | 500 | 8" Dia. | Beacon ABEH-##5S-GLD-*** | \$2,875 | \$2,976 |
| 5" | Silver | External Halyard BEACON - Heavy-Duty | 500 | 8" Dia. | ABEH-##5S-SIL-*** | \$2,875 | \$2,976 |
| Beacon Plus | | | | | | | |
| 5" | Gold | Ext. Halyard BEACON PLUS - Heavy-Duty | 572 | 8" Dia. | ABEH-##5P-GLD-*** | \$3,405 | \$3,506 |
| 5" | Silver | Ext. Halyard BEACON PLUS - Heavy-Duty | 572 | 8" Dia. | ABEH-##5P-SIL-*** | \$3,436 | \$3,536 |



Beacon Plus - Heavy-Duty External
 Illuminate the flag while at rest!
 The Heavy-Duty External Halyard Beacon Plus incorporates two vertical 2 Watt MR8 bulbs.

Example Part #: ABEH-505P-SIL-BZT
 American Beacon Heavy-Duty External Halyard, 50' Flagpole, 5" Max Top Flagpole Diameter, Beacon Plus, Silver Anodized Ball, BronzeTone Powder Coat Finish

= Specify Flagpole Height (20, 25, 30 etc.)
 *** = Specify Finish Option
 (Specified Finishes Applied to Truck Only.)



Outrigger Stationary Beacon Rope Halyard - Stationary - Cap Style Truck

| FLAGPOLE MAX TOP DIAMETER | BALL COLOR ANODIZED FINISH | DESCRIPTION | TOTAL LUMENS | BEACON SIZE | PART NUMBER | 1+ SATIN | 1+ POWDER COAT |
|---------------------------|----------------------------|-----------------------------|--------------|-------------|-----------------------------|----------|----------------|
| 2" | Gold | Outrigger Stationary Beacon | 500 | 8" Dia. | Beacon ABOS-202S-GLD-*** | \$1,750 | \$1,850 |
| 2.5" | Gold | Outrigger Stationary Beacon | 500 | 8" Dia. | ABOS-20DS-GLD-*** | \$1,750 | \$1,850 |

Example Part #: ABOS-20DS-GLD-SAT
 American Beacon Outrigger Stationary Truck, 20' Flagpole, 2.5" Top Flagpole Diameter, Standard Beacon, Gold Anodized Ball, Satin Finish

Standard wire length on the Outrigger Stationary Beacon is 30'.
 *** = Specify Finish Option
 (Specified Finishes Applied to Truck Only.)



| | | |
|-------|----------|-------|
| DATE: | PROJECT: | TYPE: |
|-------|----------|-------|

CATALOG NUMBER LOGIC:



**Required with a Wall Wash Optic.*

***The 360SL cost is already included in the price of UPM, UPM dual, and Power Canopy.*

CATALOG NUMBER LOGIC

Example: SA - LED - x52 - WW - BLP - 9 - 11 - CV - 360SL

MATERIAL

Aluminum

SERIES

SA - Saratoga

SOURCE

LED - Chip on Board Technology

LED TYPE

x52 - 10W LED/2700K x53 - 10W LED/3000K x54 - 10W LED/4000K

OPTICS

SP - Spot (20°) WFL - Wide Flood (50°) WW - Wall Wash

FINISH (See page 2 for full-color swatches)

Standard Finishes (BZP, BZW, BLP, BLW, WHP, WHW, SAP, VER)

Premium Finish (ABP, AMG, AQW, BCM, BGE, BPP, CAP, CMG, CRI, CRM, HUG, MDS, NBP, OCP, RMG, SDS, SMG, TXF, WCP, WIR)

Also available in RAL Finishes

LENS TYPE

9 - Clear (Standard)

13 - Rectilinear*

SHIELDING

11 - Honeycomb Baffle

ACCESSORIES

CV - Cutoff Visor

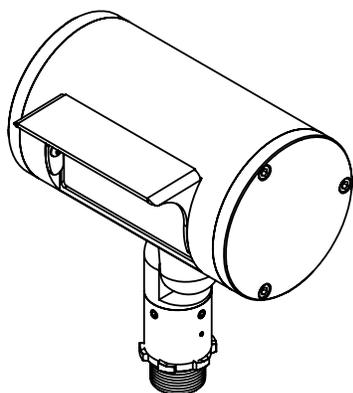
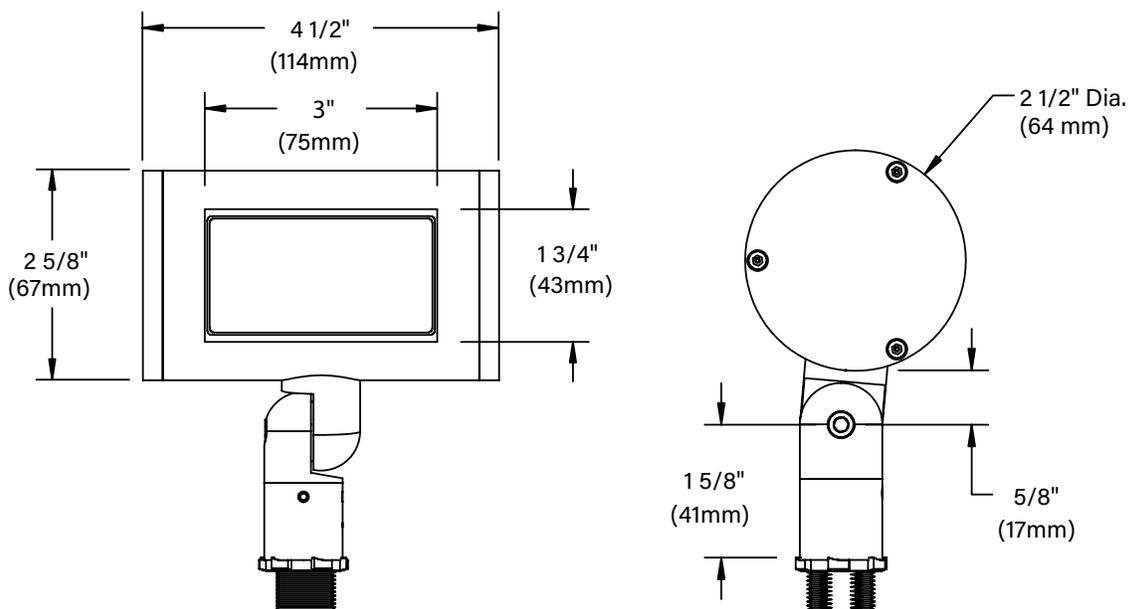
CS - Cutoff Snoot

BD - Adjustable Barn Doors

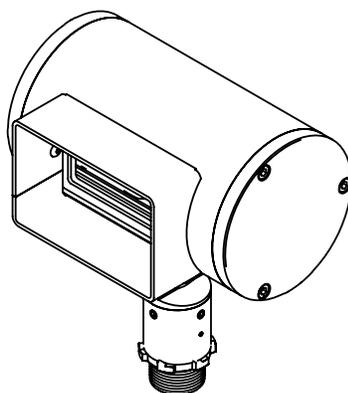
OPTIONS

360SL - Knuckle Mounting System**

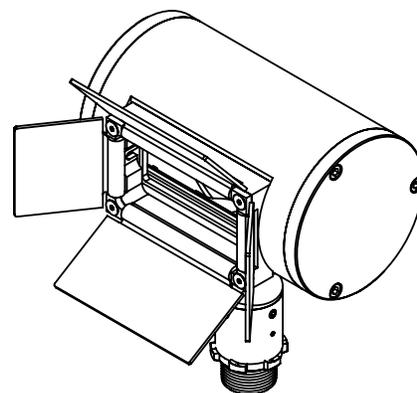
DATE: _____ PROJECT: _____ TYPE: _____



Cutoff Visor



Cutoff Snoot



Adjustable Barn Doors

STANDARD FINISHES



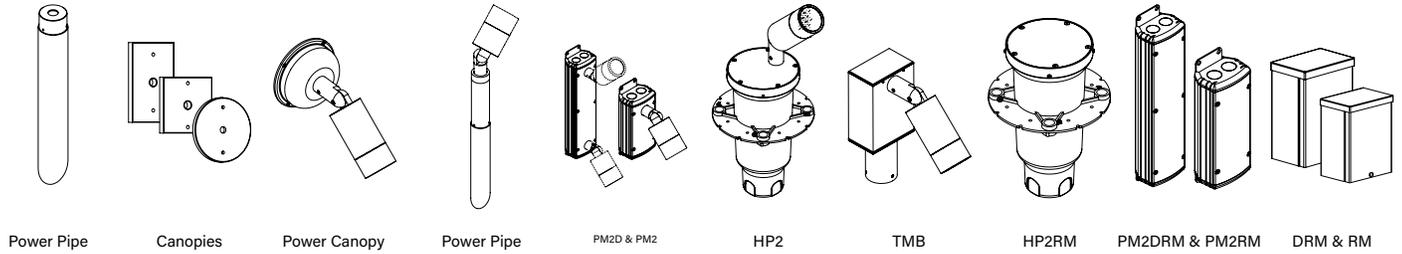
PREMIUM FINISHES



[Click Here](#) to view larger, full-color swatches of all available finishes on our website.

DATE: _____ PROJECT: _____ TYPE: _____

ACCESSORIES (Configure separately)



SPECIFICATIONS

| | | |
|------------|---|--|
| ELECTRICAL | <p>WATTAGE WIRING REMOTE DRIVER</p> | <p>10W LED 18GA, Stranded, XLPE, 300V, 150° C rated. For use with remote LED driver. See remote driver submittal to determine remote distance and wiring requirements prior to detailing field installation of any remote wiring.</p> |
| PHYSICAL | <p>MATERIALS BODY KNUCKLE LENS LED COLOR MANAGEMENT OPTICS ACCESSORIES HARDWARE FINISH WARRANTY CERTIFICATION & LISTING</p> | <p>Furnished in copper-free aluminum (6061-T6). Enclosed, water-proof wireway with machined end caps gasketed to create a water-tight seal for optical compartment. LOCK Knuckle is integral to the body and features an interior taper machined from solid billet and a second, reverse angle taper allowing full 180° vertical adjustment without the use of aim-limiting serrated teeth. High temperature, silicone 'O' Ring provides water-tight seal and compressive resistance to maintain fixture position. Design withstands 73 lbs. static load prior to movement for optical alignment with a ½" pipe thread for mounting. Optional 360SL provides biaxial source control with 360° horizontal rotation in addition to vertical adjustment. Shock-resistant, tempered glass lens is factory adhered to fixture cap and provides hermetically sealed optical compartment. Integrated solid state system and modular design with electrical disconnects allow for easy field upgrade and maintenance. LM-80 certified. Minimum 50,000 hour rated life at 70% of initial lumens (L70). LED technology provides long life, significant energy reduction and exceptional thermal management. Chip on board technology delivers natural white light. Exact color point conformity exceeds ANSI C78.377 standard. Module exceeds 80 CRI (RA>80, R9.16). Color point uniformity 2 SDCM color control for 2700K-4000K CCT. Interchangeable optics permit optical field changes. Three (3) accessory options for optimum lighting control. Tamper-resistant, stainless steel hardware. LOCK hardware is black oxide treated for additional corrosion resistance. StarGuard, our 15-stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating and is RoHS compliant. 5-year limited warranty. ITL tested to IESNA LM-79. UL Listed. Certified to CAN/CSA/ANSI Standards. RoHS compliant. Suitable for indoor or outdoor use, in wet locations, and for installation within 4' of the ground. IP66 Rated. Made in the USA with sustainable processes.</p> |



LAMP & DRIVER DATA (x52, x53, x54)

DATE:

PROJECT:

TYPE:

DRIVER ELECTRICAL DATA

| Type | AC Input Range | Frequency Hz | Power Factor At Full Load (Efficiency) | THD | InRush Current | Operating Current | Operation Ambient Temperature | Dimmer Type | Dimmer Range |
|------|----------------|--------------|--|------|----------------|-------------------|-------------------------------|------------------|--------------|
| INC | 120-277VAC | 50/60 | > 0.9 | <20% | n/a | 350mA | -30° C ~ 90°C | TRIAC/ELV (120V) | 1-100% |
| 0-10 | 120-277VAC | 50/60 | > 0.9 | <20% | n/a | 350mA | -30° C ~ 90°C | 0-10V Dimming | 1-100% |

LM79 DATA

| BK No. | CCT (Typ.) | CRI (Typ.) | Input Watts (Typ.) |
|--------|------------|------------|--------------------|
| x52 | 2700K | 80 | 10W |
| | 2700K | 80 | 10W |
| | 2700K | 80 | 10W |
| x53 | 3000K | 80 | 10W |
| | 3000K | 80 | 10W |
| | 3000K | 80 | 10W |
| x54 | 4000K | 80 | 10W |
| | 4000K | 80 | 10W |
| | 4000K | 80 | 10W |

L70 DATA

| Minimum Rated Life (hrs.) 70% of initial lumens (L ₇₀) |
|---|
| 50,000 |
| 50,000 |
| 50,000 |
| 50,000 |
| 50,000 |
| 50,000 |
| 50,000 |
| 50,000 |
| 50,000 |

OPTICAL DATA

| Angle | Delivered Lumens |
|--------------|------------------|
| 20° | 904.9 |
| 50° | 1306.1 |
| 111.8 x 83.8 | 479.4 |
| 20° | 945.5 |
| 50° | 1364.8 |
| 111.8 x 83.8 | 484.8 |
| 20° | 1016.7 |
| 50° | 1467.5 |
| 111.8 x 83.8 | 538.7 |

OPTICS

| Optic | Angle |
|-----------|--------------|
| Spot | 20° |
| Flood | 50° |
| Wall Wash | 111.8 x 83.8 |

B-K LIGHTING

MADE IN THE USA

559.438.5800 | INFO@BKLIGHTING.COM | BKLIGHTING.COM

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