# gotham® | INCITO™

## Multiple Layers of Light

LOW UGR · BAA · ENERGY STAR

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# Lensed Wall Wash Pendant Stem Cylinder — 4"

**OVERVIEW**

## Feature Set

- Superior optical control maintains a smooth, uniform distribution
- Bounding Ray™ optical design
- 45° cutoff to source and source image
- Fully serviceable lensed LED light engine
- 70% lumen maintenance at 60,000 hours
- 2.5 SDCM; 85 CRI typical, 90+ CRI optional
- Fixtures are damp location standard; Wet location (WL) optional, requires covered ceiling

- 20 standard colors in textured and gloss finish; custom or RAL colors also available
- Multiple recessed or surface j-box mounting configurations available
- Field cuttable 1/2" stems with concealed couplers
- ENERGY STAR® Certified product
- UGR of zero for fixtures aimed at nadir with a cut-off equal to or less than 60deg per CIE 117-1995 Discomfort Glare in Interior Lighting. UGR FAQ

## Distribution

wallwash

## Superior Performance

| Nominal Lumens | 500 | 750 | 1000 | 1500 | 2000 | 2500 | 3000 | 3500 | 4000 | 4500 |
|---|---|---|---|---|---|---|---|---|---|---|
| Delivered | 417 | 587 | 725 | 1097 | 1436 | 1876 | 2261 | 2626 | 2960 | 3293 |
| Wattage | 6.9 | 7.5 | 8.4 | 14.0 | 18.8 | 23.5 | 28.1 | 32.2 | 33.7 | 38.2 |
| Efficacy | 60.7 | 78.1 | 86.5 | 78.4 | 76.5 | 79.7 | 80.5 | 81.6 | 87.8 | 86.2 |

**COMPLEMENTARY PRODUCTS**

## Coordinated Apertures | Multiple Layers of Light



General Illumination Layer | EVO



High Center Beam Layer | Incito



EVO + Incito — Multiple Layers of Light

### Core

Downlight · Adjustable · Open Wallwash · Lensed Wallwash · Cylinder · Pinhole · Bevel · Hyperbolic

### Healthcare

MRI · Surgical Suite · Patient Room

### Special Applications

Dynamic · Food Service · Vandal/Tamper · Clean Room · Shower · Steam Room

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**ORDERING INFORMATION**

Luminaire Type: _____

Catalog Number: _____

**EXAMPLE: ICO4PCLW 35/15 AR LSS MVOLT EZ1 JBXCC PCAN S8 DWHG**

| Series | | Color Temperature | | Lumens | | Reflector Color | | Reflector Finish | | Voltage | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ICO4PCLW | Incito 4in Pendent Stem Round Cylinder Lensed Wall Wash | 27/ | 2700 K | 05 | 500 lumens | AR | Clear | LSS | Semi-specular | MVOLT | 120V - 277V |
| | | 30/ | 3000 K | 07 | 750 lumens | PR | Pewter | LD | Matte diffuse | 120 | 120V |
| | | 35/ | 3500 K | 10 | 1000 lumens | WTR | Wheat | LS | Specular | 277 | 277V |
| | | 40/ | 4000 K | 15 | 1500 lumens | GR | Gold | | | 347[3] | 347V |
| | | 50/ | 5000 K | 20 | 2000 lumens | WR[1] | White painted | | | | |
| | | | | 25 | 2500 lumens | BR[1] | Black | | | | |
| | | | | 30 | 3000 lumens | WRAMF[1] | White Anti-microbial | | | | |
| | | | | 35 | 3500 lumens | BZR[1] | Dark Bronze painted | | | | |
| | | | | 40 | 4000 lumens | TRALTBD[1,2] | Trim RAL # TBD (TBD for pricing only) | | | | |
| | | | | 45 | 4500 lumens | TCPC[1,2] | Trim Custom Paint Color TBD (TBD for pricing only) | | | | |

| Driver[4] | | Mounting | | Canopy Type | | Stem Length[11] | |
|---|---|---|---|---|---|---|---|
| GZ10 | 0-10V driver dims to 10% | JBX | Integral driver, Recessed or Surface J-box | PCAN | 5° stem canopy with "hang straight" swivel | S2 | 2 foot 1/2" stem |
| GZ1 | 0-10V driver dims to 1% | JBXCC | Integral driver, Surface J-box with Conduit Covers | PCAN45[10] | 45° stem canopy with "hang straight" swivel | S4 | 4 foot 1/2" stem |
| EZ10 | eldoLED 0-10V ECOdrive. Linear dimming to 10% min. | SGB[8] | Surface Gear Box (for driver at ceiling), Recessed or Surface J-Box (not wall or surface ceiling) | | | S6 | 6 foot 1/2" stem |
| EZ1 | eldoLED 0-10V ECOdrive. Linear dimming to 1% min. | | | | | S8 | 8 foot 1/2" stem |
| EZB | eldoLED 0-10V SOLOdrive. Logarithmic dimming to <1%. | SGBCC[8] | Surface Gear Box (for driver at ceiling), Surface J-Box with Conduit Covers (not wall or surface ceiling) | | | S10 | 10 foot 1/2" stem |
| EDAB[5] | eldoLED SOLOdrive DALI. Logarithmic dimming to <1%. Min: 1000LM; Max: 4000LM. | | | | | S12 | 12 foot 1/2" stem |
| EDXB[5,6,7] | eldoLED POWERdrive DMX with RDM (remote device management). Square Law dimming to <1%. | RGH[9] | Recessed Gear Housing | | | S16 | 16 foot 1/2" stem |
| ECOD[5] | Lutron® EcoSystem® digital Hi-Lume 1% soft-on, fade to black. Max: 4000LM | | | | | S20 | 20 foot 1/2" stem |
| ELV[5] | Electronic line voltage / Forward phase / Triac dimming, 120V Only. | | | | | | |

| Emergency Option | | Control Interface[12] | | Options | | Architectural Colors - Powder Paint[2] | | | |
|---|---|---|---|---|---|---|---|---|---|
| (blank) | No emergency options | (blank) | No controls | 90CRI | High CRI (90+) | DDB | Gloss Dark Bronze | DDBT | Textured Dark Bronze |
| E6W | 6W integral emergency battery, CA Title 20 compliant emergency battery pack with integral test switch. Only available with GZ10, GZ1 and ELV Drivers. Only for use with 500-3000 lumen options. Not available with 1500 & 2000 lumen options. | NLT | nLight® dimming pack. Specify 120V or 277V | CP[14] | Chicago Plenum. Specify 120V or 277V (requires RGH) | DBL | Matte Black | DBLB | Textured Black |
| | | NLTER[13] | nLight® dimming pack for fixtures on emergency circuit. Specify 120V or 277V | HAO[15] | HAO High Ambient Option (40°C) | DWH | Gloss White | DWHG | Textured White |
| | | | | N80[16] | nLight Lumen Compensation | DMB | Matte Medium Bronze | DBNH | Textured Bronze |
| E7WCP | IOTA® 7W Constant Power emergency battery (sidecar). Only for use with 750-5000 lumen options. Not available with 1500 & 2000 lumen options. | NLTAIR2 | nLight® AIR dimming pack. Specify 120V or 277V | SF | Single fuse. Specify 120V or 277V. | DNA | Gloss Natural Aluminum | DNAT | Textured Natural Aluminum |
| | | | | WL[17] | Wet Location | DSS | Gloss Sandstone | DSST | Textured Sandstone |
| E10WCP | IOTA® 10W Constant Power, CA Title 20 compliant emergency battery pack with integral test switch. Only for use with 1000-5000 lumen options. (sidecar or RGH) | NLTAIRER2[13] | nLight® AIR dimming pack for fixtures on emergency circuit. Specify 120V or 277V | | | DGC | Gloss Charcoal Grey | DSPD | Textured Dark Grey |
| | | | | | | DTG | Gloss Tennis Green | DSPE | Textured Green |
| E10WCPR | IOTA® 10W Constant Power, CA Title 20 compliant emergency battery pack with remote test switch. Only for use with 1000-4500 lumen options. (requires RGH) | | | | | DBR | Gloss Bright Red | DSPH | Textured Light Red |
| | | | | | | DSB | Gloss Steel Blue | DWHAMF | Gloss White with Anti-microbial finish |
| E15WCP | IOTA® 15W Constant Power, CA Title 20 compliant emergency battery. Only for use with 1500-5000 lumen options. (sidecar) | | | | | | | RALTBD | Cylinder RAL # TBD (TBD for pricing only) |
| GTD | IOTA® Generator Transfer Device. Specify 120V or 277V (requires RGH) | | | | | | | CPC | Cylinder Custom Paint Color TBD (TBD for pricing only) |

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### ACCESSORIES — order as separate catalog numbers (shipped separately)

| | |
|---|---|
| **GCOLORS KIT** | Architectural colors chip kit, consisting of powder-coat and plated finishes |
| **OPTC4 XXD** | Additional optics for field installation. Replace "XX" with beam angle. |
| **CYLJBOXADPT 4SQ2OCT __** | 4in Square J-box to 4in Octagonal J-box adaptor. Replace __ with Architectural Color or PRM for primed ready for field painting |
| **CYLSTBL KIT** | Stabilization Kit for securing pendant stem fixtures |

### ORDERING NOTES

1. Not Available with Finishes.
2. Replace with applicable RAL number and finish when ready to order. See RAL BROCHURE for available color options. For details on all Acuity Architectural paint colors, RAL and Custom colors, please see Architectural Colors. Not available with emergency battery pack options.
3. Factory supplied step down transformer must be remote mounted. Access required to location of remote mounted device.
4. Refer to Tech 240 for compatible dimmers.
5. Not Available with Control Interfaces.
6. Requires SGB, or SGBCC mounting option.
7. Includes terminator resistor. Only available with 1000-4000 lumen packages.
8. Only available with DMX driver (EDXB).
9. Not available with E6W, E7W or E15WCP Emergency Options.
10. Not available with SGB or SGBCC: those mountings require a flat ceiling.
11. Stem section adjacent to cylinder can be cut in field to achieve non-uniform lengths (i.e. for a field cut 3' length, order 4' stem).
12. Factory installed with RGH option otherwise field installed. Access required to location of remote mounted device.
13. ER for use as UL924 Emergency Operation via power sense lead. Will require an emergency hot feed and normal hot feed.  EM for use as UL924 Emergency Operation via power interrupt detection.
14. CP not available with NLTAIR2, NLTAIRER2 or E10WCPR options.
15. Only available up to 2500 lumens; up to 2000 lumens wet location.
16. Fixture begins at 80% light level. Must be specified with NLT or NLTER. Only available with EZ10 and EZ1 drivers.
17. Not available with JBXCC, SGB, or SGBCC.

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## Optical Assembly

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

Unitized optics shall have mechanical attachment of the light engine to the lower reflector for complete optical alignment.

Wallwash enables uniformity from floor to ceiling. Smooth, balanced illumination optimized for ceilings of 8' to 12' with recommended spacing of 3' from wall and 3' centers.

## 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. Support 347V via remote-mounted stepdown transformer. 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.

All drivers are ROHS compliant.

## Controls

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

## Emergency

Luminaires supplied with a battery pack comply with NFPA 101 (Life Safety code) and deliver constant light output throughout the 90 minutes of code required emergency operation period when there is a normal AC power loss.

Luminaires equipped with a generator transfer device work in conjunction with an auxiliary generator or a central inverter system to power fixtures for safe egress lighting.

## 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

Heaving-gauge aluminum construction. Extruded cylinder body with flangeless reflector allows flow-through passive thermal management. Canopy matches cylinder in finish and diameter.

Pendant stem mount for installation to 4" recessed or surface octagonal junction box with integral driver.

Recessed gear box available for driver above ceiling, nLight, battery pack, CP, and GTD options.

Surface gear box available for driver at ceiling installation.

Optional field configurable conduit covers available. Conduit covers match cylinder in finish and diameter.

**WARNING: All pendant fixtures exposed to wind require tethering – see page 6.**

## 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, damp location standard; wet location (WL) optional, requires 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 the center of the quadrangles defined in ANSI C78.377-2015.

## BUY AMERICAN ACT

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

## Warranty

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

## Note:

Actual performance may differ as a result of end user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

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### ᏚA+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provided consistent color appearance and out-of-the-box control capability with simple commissioning when used with Acuity Brands controls products.

All configurations of this luminaire are calibrated and tested meet the Acuity Brands' specification for chromatic consistency - including color rendering, color fidelity and color temperature tolerance around standard CIE chromaticity coordinates.

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

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**Tables of Use**

### ICO - eldoLED Driver Default Dimming Curve

| Nomenclature | Min Dimming | Driver Dim Curve | Control Dim Curve |
|---|---|---|---|
| EZ10 | 10% | Linear | Linear/Logarithmic |
| EZ1 | 1% | Linear | Linear/Logarithmic |
| EZB | <1% | Logarithmic | Linear |
| EDAB | <1% | Logarithmic* | Linear |
| EDXB | <1% | Square | Linear |

*Changable thorugh DALI controller

### Lumen Output Multiplier

| CRI | CCT | Multiplier |
|---|---|---|
| 80 | 2700K | 0.916 |
| | 3000K | 0.948 |
| | 3500K | 1 |
| | 4000K | 1.032 |
| | 5000K | 1.1 |
| 90 | 2700K | 0.748 |
| | 3000K | 0.8 |
| | 3500K | 0.838 |
| | 4000K | 0.845 |
| | 5000K | 0.945 |

### Reflector Finish Multiplier

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

### J-box Compatibility Matrix / Cylinder Configurations

| J-box Compatibility Matrix | | JBX | SGB | SGBCC | SGB w/EDXB Driver | SGBCC w/EDXB Driver | JBXCC |
|---|---|---|---|---|---|---|---|
| Recommended J-box (by others) | 4" Octagonal 4x4x1.5 deep" | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 4" Octagonal 4x4x2.125 deep | ✓ | ✓ | ✗ | ✓ | ✗ | ✗ |
| | 4" Square 4x4x1.5 deep | ✓ *with adaptor plate accessory | ✓ *with adaptor plate accessory | ✗ | ✓ *with adaptor plate accessory | ✗ | ✗ |

## Standard Architectural Color Options for Cylinder Bodies

| DSS LITHONIA Sandstone | P12 |
| DSST TEXTURED Sandstone | P90 |
| DBR LITHONIA Bright Red | P34 |
| DSPH TEXTURED Light Red | P80 |
| DMB LITHONIA Medium Bronze | P11 |
| DBNH TEXTURED Bronze | P74 |
| DTG LITHONIA Tennis Green | P33 |
| DSPE TEXTURED Green | P78 |

| DSB LITHONIA Steel Blue | P49 |
| DNA LITHONIA Natural Aluminum | P07 |
| DNAT TEXTURED Natural Aluminum | P89 |
| DGC LITHONIA Charcoal Gray | P32 |
| DSPD TEXTURED Dark Grey | P77 |
| DDB LITHONIA Dark Bronze | P50 |
| DDBT TEXTURED Dark Bronze | P88 |
| DBL LITHONIA Black | P13 |

| DBLB TEXTURED Black | P75 |
| DWH LITHONIA White | P21 |
| DWHG TEXTURED White | P86 |

NOTE: These colors were carefully reproduced to give as true a depiction as possible of finished product color.
Some colors, however, may vary slightly from actual appearance due to display/printing variations and limitations.
Please order the GCOLORS KIT listed in the 'Accessories' section of the spec sheet for an accurate paint chip sample.

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## Stabilization Kit (CYLSTBL KIT) Accessory

The Stabilization Kit offers additional support for applications where wind may be a factor and the pendant stem cylinder needs to be secured.

### Cables

Three (3) 20 ft. 304 grade stainless steel aircraft cables with outer diameters of 1/16" are attached to anchoring mechanisms in the mounting surface at one end and the provided stem collar around the pendant stem at the other end.

Cables should be anchored 120° +/- 10° from each other radially and positioned at 45° or greater from the stem for optimal support of the fixture.

### Clamps and Stem Collars

The stem collar consists of two (2) half stem collars made of 304 stainless steel. Both stem collar halves are attached around the pendant stem with 304 stainless steel socket head cap screws.

Six (6) cable clamps made of 304 stainless steel are used in the stabilization kit with two (2) clamps per cable attached to each anchoring point and the stem collar.

The cable tension can be adjusted from either end.

### Wind Load

The Stabilization Kit is designed to withstand 90mph winds for 3 seconds comparable to ASCE 7-10, MRI 50-year (fixture EPA is 0.2 sq ft)
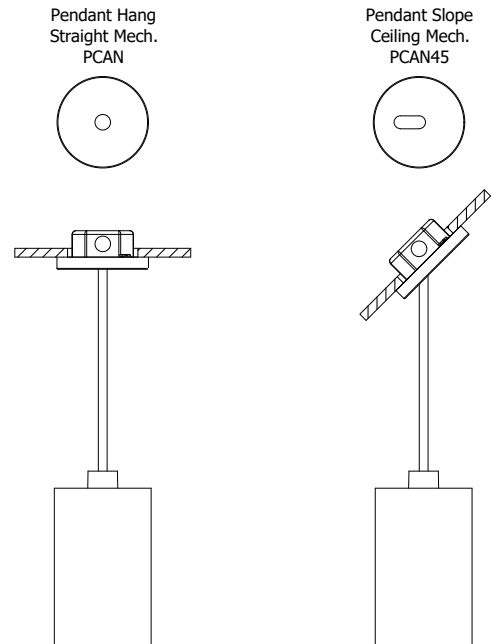
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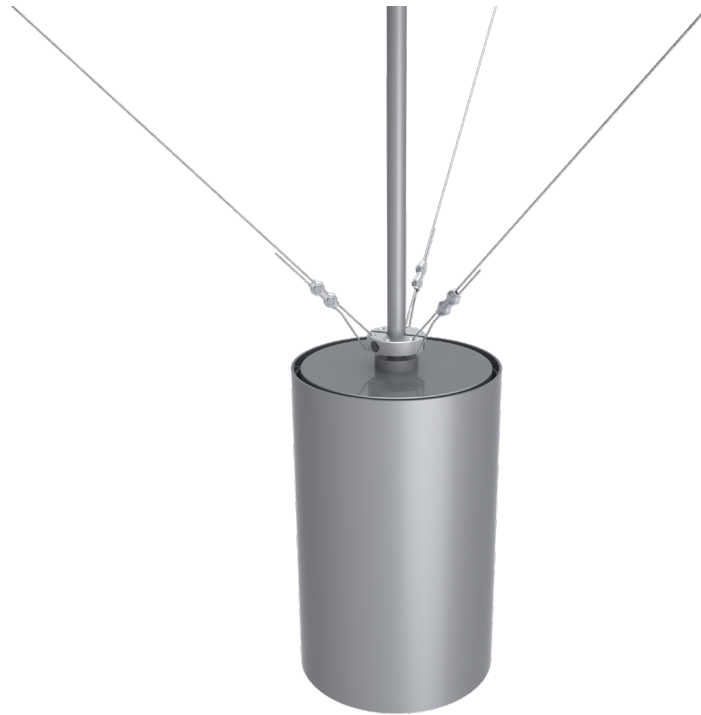
**DIMENSIONAL DATA**

### JBX Recessed J-Box

Junction box by others
(see Compatibility Table)

5/8" [1.6]

φ5 3/16" [13.2]

φ1/2" [1.3]
Stem is field cuttable;
no threading required

9" [22.9]

φ4 5/16" [11.0]

φ5 1/2" [14.0]

### JBX Surface J-Box

Junction box by others
(see Compatibility Table)

2 3/16" [5.6]

φ5 3/16" [13.2]

φ1/2" [1.3]
Stem is field cuttable;
no threading required

9" [22.9]

φ4 5/16" [11.0]

φ5 1/2" [14.0]

### JBXCC Surface J-Box with Conduit Covers

Junction box by others
(see Compatibility Table)

2 5/16" [5.8]

φ5 1/2" [14.0]

φ1/2" [1.3]
Stem is field cuttable;
no threading required

9" [22.9]

φ4 5/16" [11.0]

φ5 1/2" [14.0]
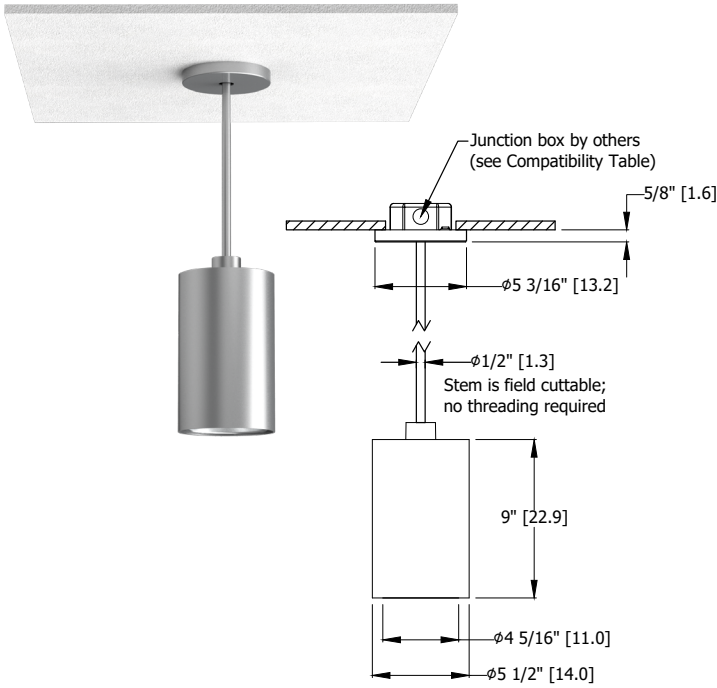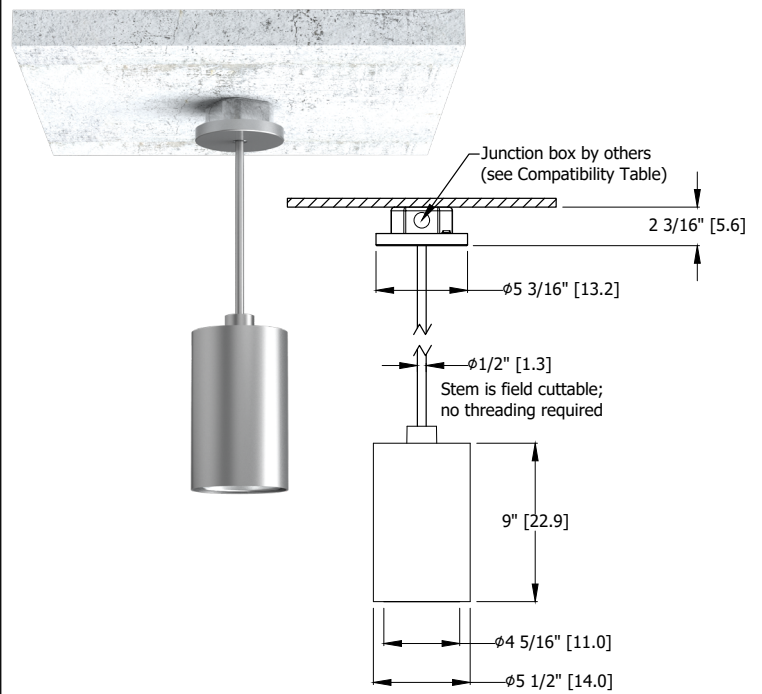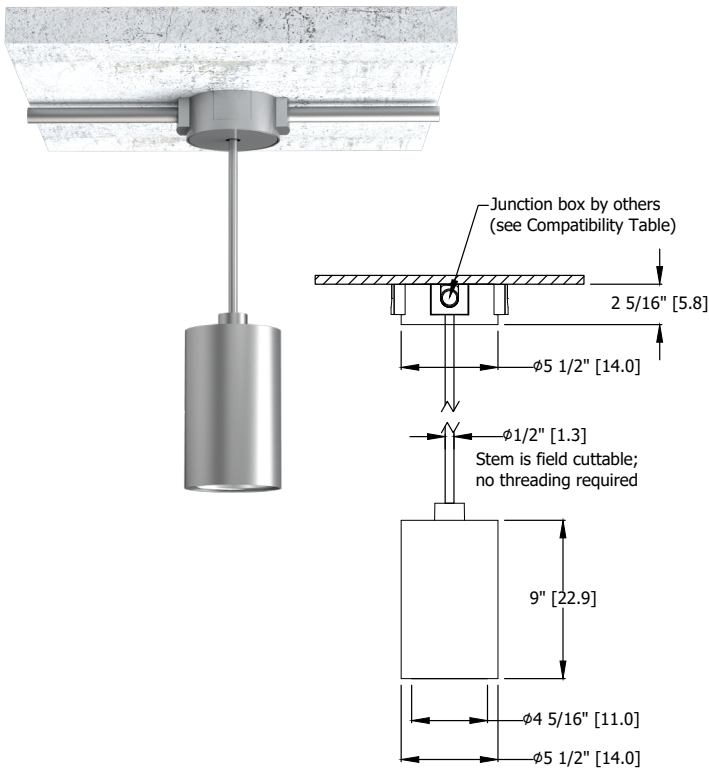
### Canopy Covers for Flat or Sloped Ceilings

Pendant Hang
Straight Mech.
PCAN

Pendant Slope
Ceiling Mech.
PCAN45

*Dimensions in inches [centimeters]

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## SGB Surface Gear Box for EDXB Recessed J-Box



Junction box by others
(see Compatibility Table)

4 15/16" [12.5]

$\phi$5 1/2" [14.0]

$\phi$1/2" [1.3]

Stem is field cuttable;
no threading required

9" [22.9]

$\phi$4 5/16" [11.0]

$\phi$5 1/2" [14.0]
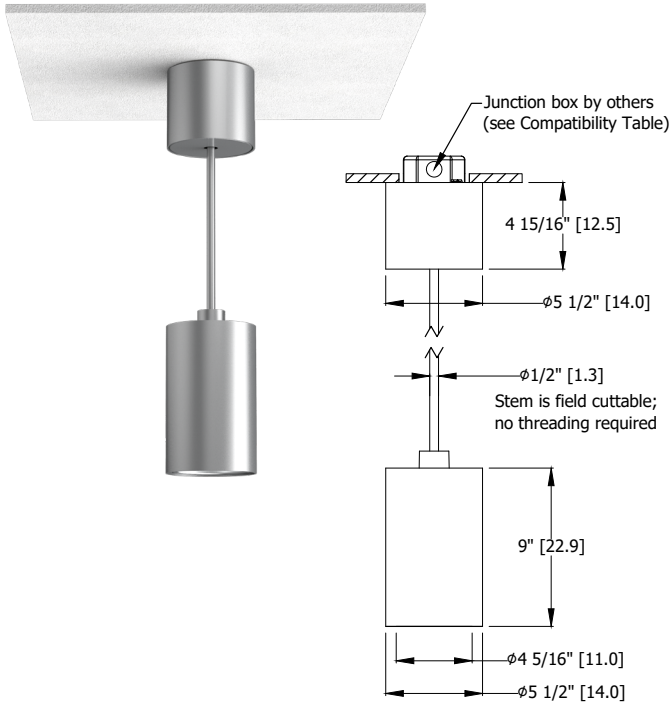
## SGB Surface Gear Box for EDXB Surface J-Box



Junction box by others
(see Compatibility Table)

4 15/16" [12.5]

$\phi$5 1/2" [14.0]

$\phi$1/2" [1.3]

Stem is field cuttable;
no threading required

9" [22.9]

$\phi$4 5/16" [11.0]

$\phi$5 1/2" [14.0]
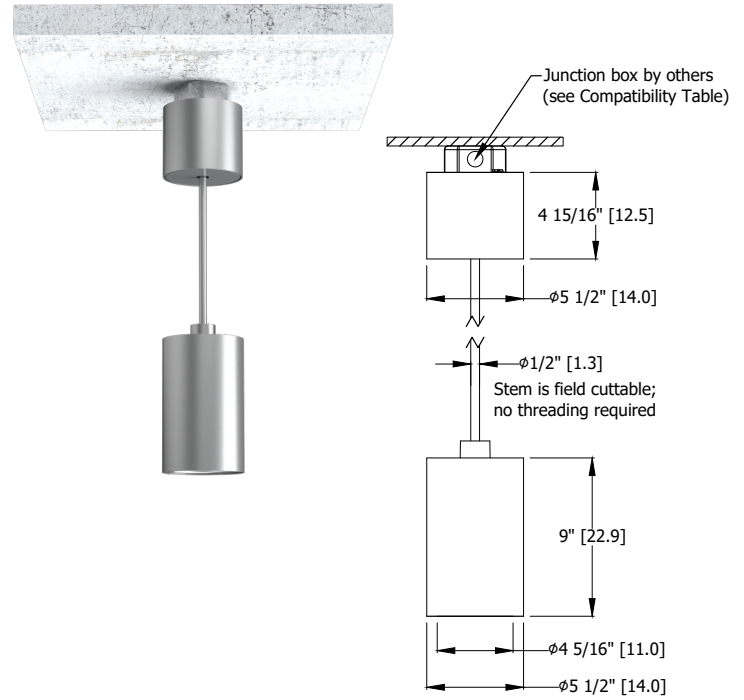
## SGBCC Surface Gear Box for EDXB with Conduit Covers



Junction box by others
(see Compatibility Table)

6 7/16" [16.3]

$\phi$5 1/2" [14.0]

$\phi$1/2" [1.3]

Stem is field cuttable;
no threading required

9" [22.9]

$\phi$4 5/16" [11.0]

$\phi$5 1/2" [14.0]
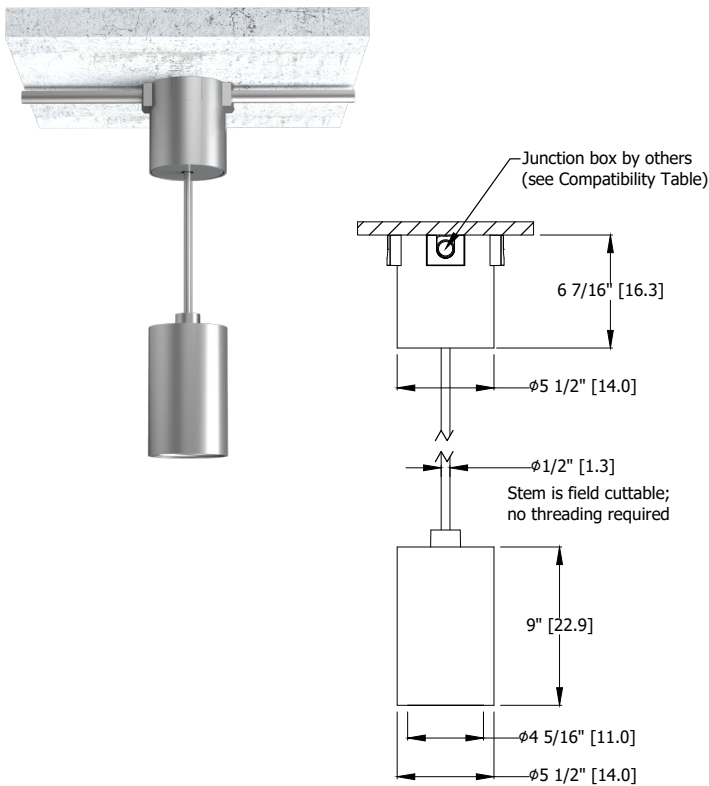
## Stem Connection Method



*Dimensions in inches [centimeters]

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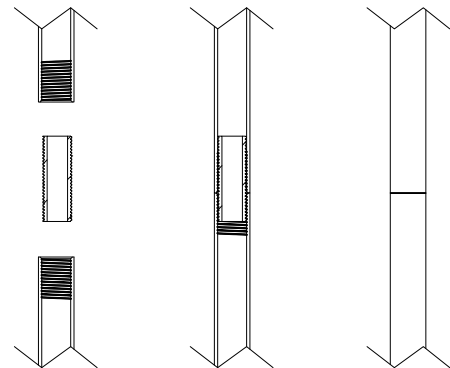
## Stem Cutting Formulas for JBX / JBXCC

Mounting Plane (J-Box)

Ⓑ Mounting Height (in)

Bottom of Cylinder

Ⓐ Fixture Height (in)

Desired illuminating surface
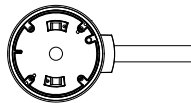
Stem Length = Ⓑ - Ⓐ - 9"
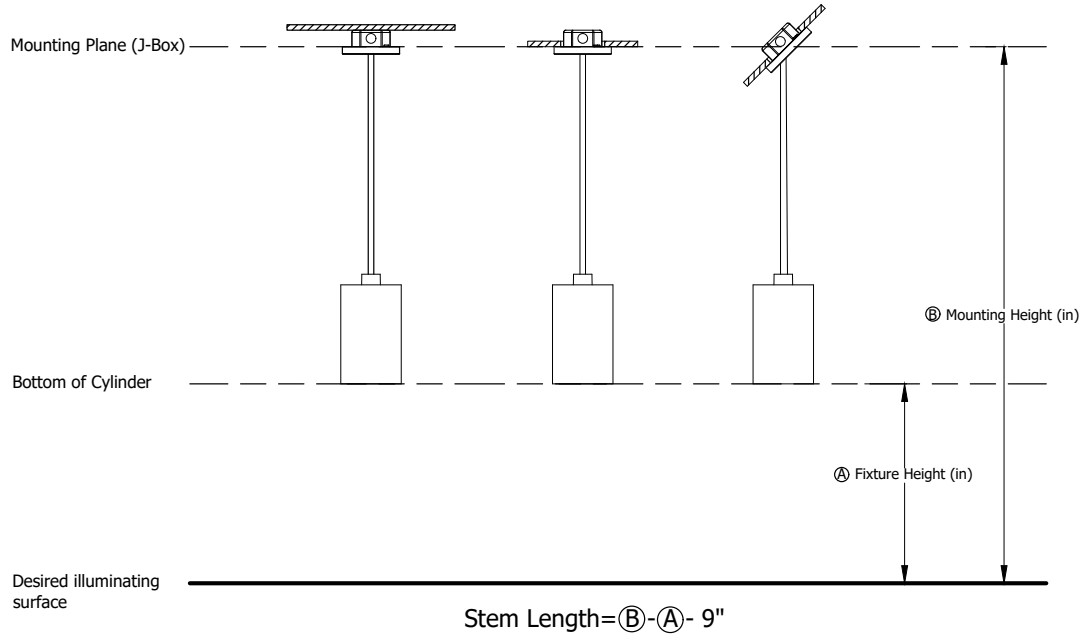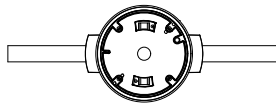
## Conduit Feed Examples and Keys

3/4" [1.9]
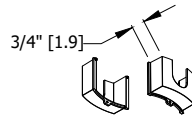
Conduit Key
(4) provided with each,
for use with 1/2" or 3/4" conduit
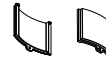
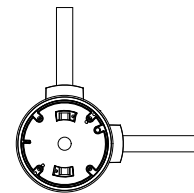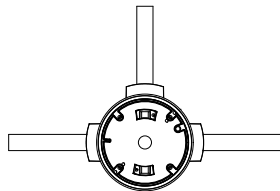Blank Key
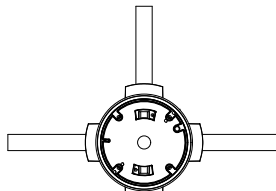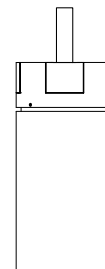(4) provided with each

Single Conduit Feed

Double 180° conduit

Double 90° conduit

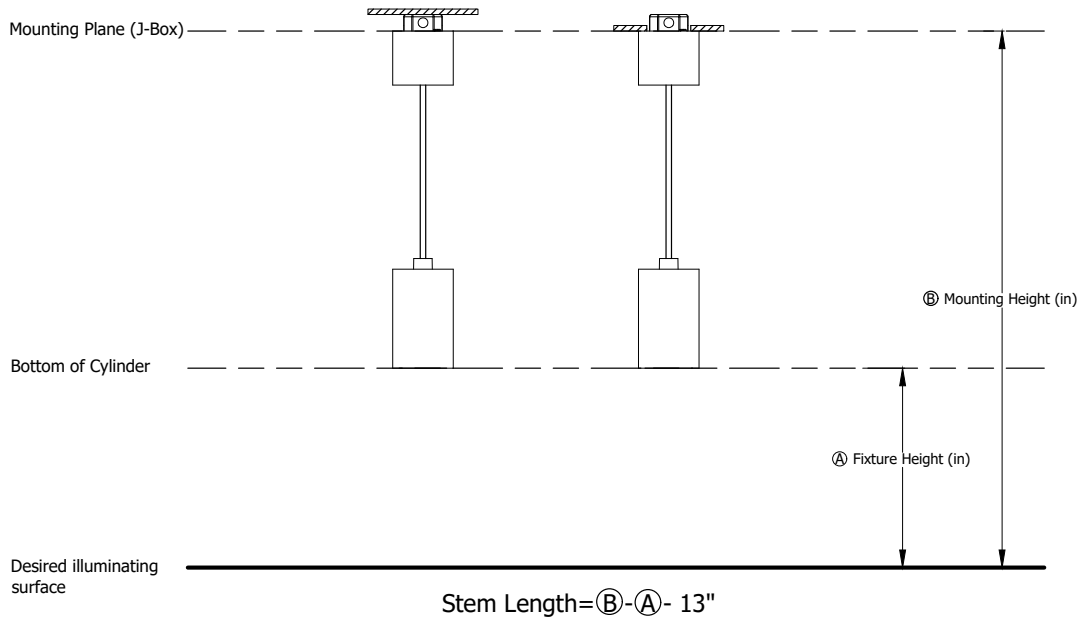Triple 0°, 90° & 180° conduit
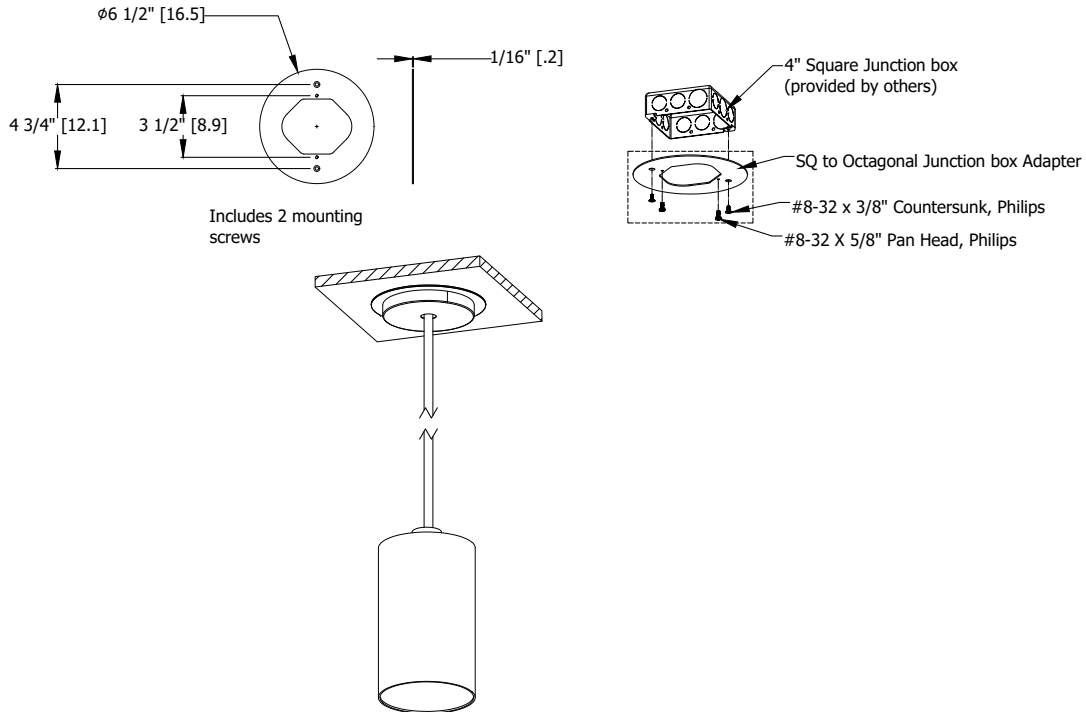
Quad 0°, 90°, 180°, & 270° conduit

Top conduit feed

*Dimensions in inches [centimeters]

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**Stem Cutting Formulas for SGB**

Mounting Plane (J-Box)

Ⓑ Mounting Height (in)

Bottom of Cylinder

Ⓐ Fixture Height (in)

Desired illuminating surface

Stem Length= Ⓑ - Ⓐ - 13"

**Cylinder Adaptor Plate**

φ6 1/2" [16.5]

1/16" [.2]

4 3/4" [12.1]  3 1/2" [8.9]

4" Square Junction box
(provided by others)

SQ to Octagonal Junction box Adapter

#8-32 x 3/8" Countersunk, Philips

#8-32 X 5/8" Pan Head, Philips

Includes 2 mounting
screws

*Dimensions in inches [centimeters]

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**DIMENSIONAL DATA**

## Junction Box Dimensions (by others)

4" Octagonal J-Box, 1 1/2" Deep

1 1/2" [3.8]
3 1/2" [8.9]
3 1/2" [8.9]

4" Octagonal J-Box, 2 1/8" Deep

2 1/8" [5.4]
3 1/2" [8.9]
3 1/2" [8.9]

4" Square J-Box, 1 1/2" Deep

1 1/2" [3.8]
4" [10.2]
4 3/4" [12.1]

## 347V Stepdown Transformer

4 5/16" [10.9]
3 7/16" [8.7]
4 1/4" [10.8]

347 Transformer:
Up to 6000LM
Install to accessible
junction box by others

7 1/2" [19.1]
4 5/16" [11.0]
3 9/16" [9.0]

347 Transformer:
8000LM and up
Install to accessible
junction box by others
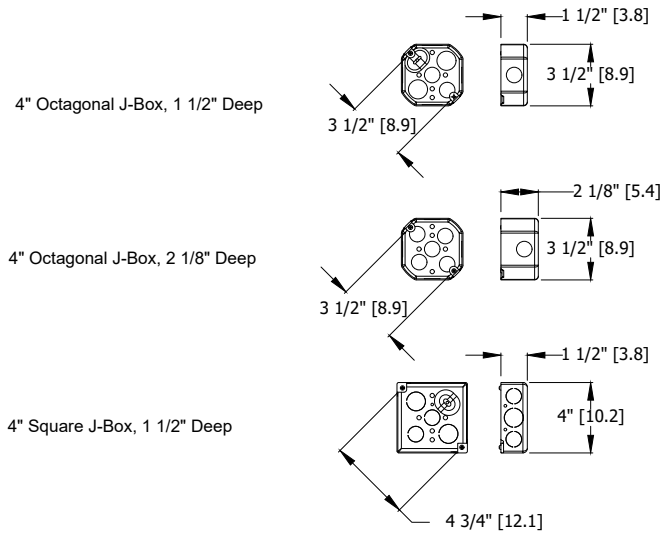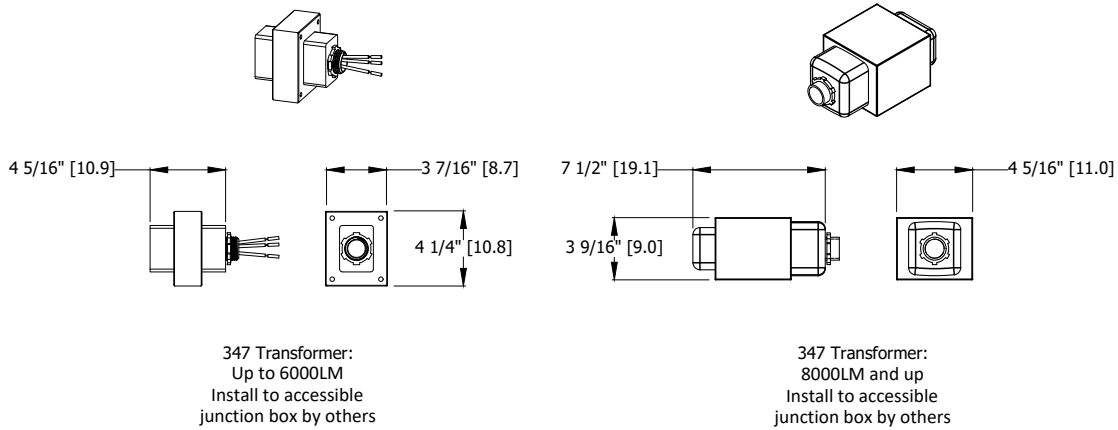
## Emergency Battery Sidecar Dimensions

2' Whip
(can be field shortened)

1 7/8" [4.7]

L (see Sidecar Chart)

6 1/8" [15.6]
1 3/4" [4.4]
3/4" [1.9]

Test Switch
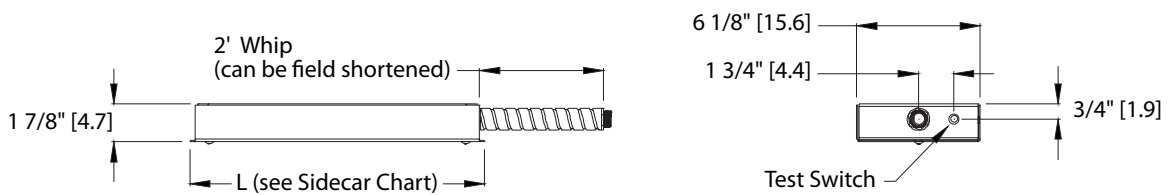
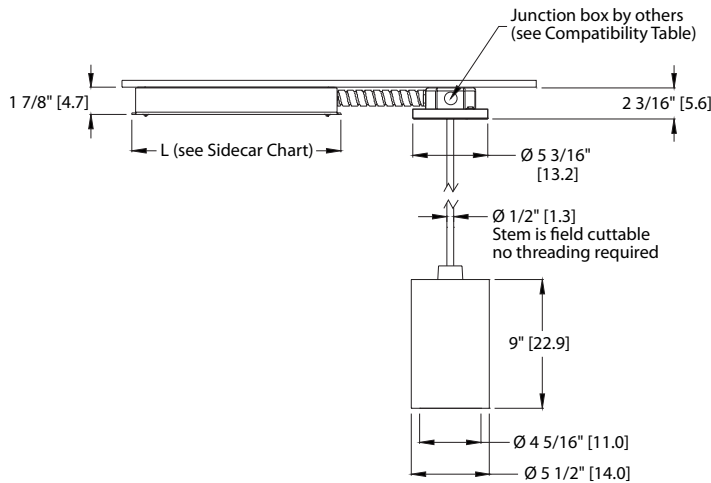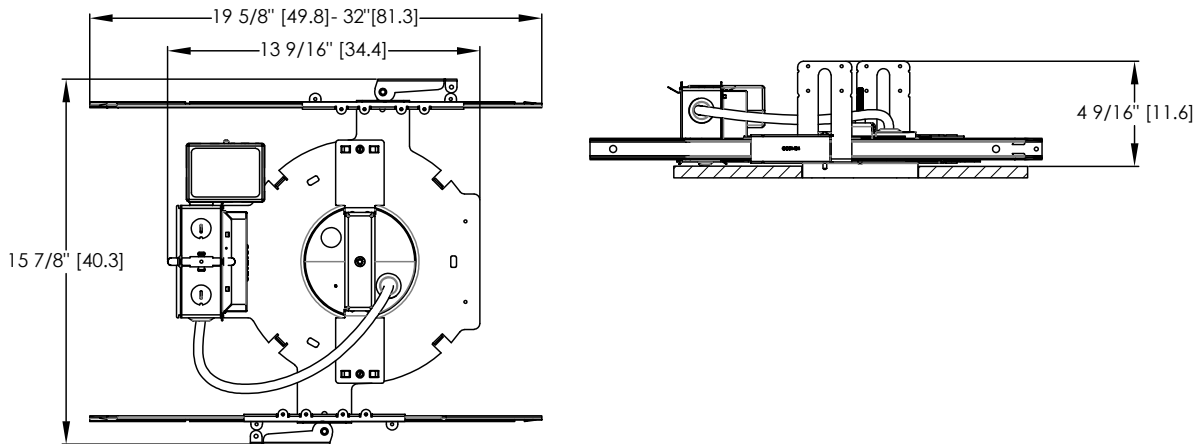| SIDECAR BATTERY OPTION | LUMEN PACKAGES AVAILABLE | L (SIDECAR LENGTH) |
|---|---|---|
| E7WCP | 750LM AND GREATER EXCEPT AS NOTED BELOW | 14" |
| | 6000-8000LM<br>5000-8000LM WITH ECOD DRIVER | 16" |
| E10WCP | 1000LM AND GREATER EXCEPT AS NOTED BELOW | 14" |
| | 6000-8000LM<br>5000-8000LM WITH ECOD DRIVER | 16" |
| E15WCP | 1500LM AND GREATER | 16" |

*Dimensions in inches [centimeters]

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### 6W Integral Emergency Battery

Junction box by others
(see Compatibility Table)

5/8" [1.6]

Ø 5 3/16" [13.2]

Ø 1/2" [1.3]
Stem is field cuttable;
no threading required

7/8" [2.2]

Test Switch

9" [22.9]

Ø 4 5/16" [11.0]

Ø 5 1/2" [14.0]
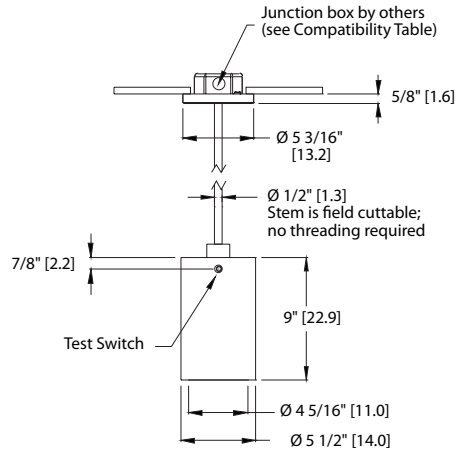
### 7W/10W/15W Sidecar Emergency Battery

Junction box by others
(see Compatibility Table)

1 7/8" [4.7]

2 3/16" [5.6]

L (see Sidecar Chart)

Ø 5 3/16" [13.2]

Ø 1/2" [1.3]
Stem is field cuttable
no threading required

9" [22.9]

Ø 4 5/16" [11.0]

Ø 5 1/2" [14.0]

### RGH Standard

19 5/8" [49.8] - 32" [81.3]
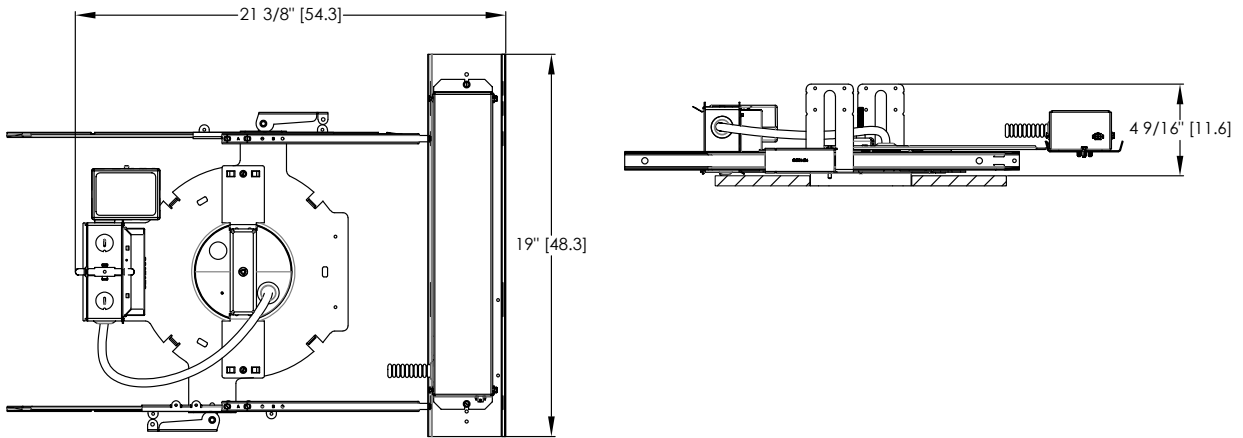
13 9/16" [34.4]

15 7/8" [40.3]

4 9/16" [11.6]

Ceiling thickness range: 1/2" [1.3] to 3" [7.6]
Ceiling cutout: 5 1/16" [12.9]

*Dimensions in inches [centimeters]

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## RGH with Battery Backup (E1OWCPR/E1OWCP) Standard

21 3/8" [54.3]

19" [48.3]

4 9/16" [11.6]

With Emergency Battery or GTD option

Minimum plenum height for emergency batteries in non-accessible ceilings: 12 1/2"[31.8]
Ceiling thickness range: 1/2"[1.3] to 3"[7.6]
Ceiling cutout: 5 1/16"[12.9]

## RGH CP Standard

19 5/8" [49.8] - 32"[81.3]
18 3/8" [46.7]

15 7/8" [40.3]

4 9/16" [11.6]

Ceiling thickness range: 1/2"[1.3] to 3"[7.6]
Ceiling cutout: 5 1/16"[12.9]

## RGH with Chicago Plenum (CP) for use with nLight Enclosed

MAX 23 1/8" [58.7]
17 1/8" [43.6]

17 13/16" [45.2]

6 1/2" [16.5]

Ceiling thickness range: 1/2"[1.3] to 3"[7.6]
Ceiling cutout: 5 1/16"[12.9]

*Dimensions in inches [centimeters]

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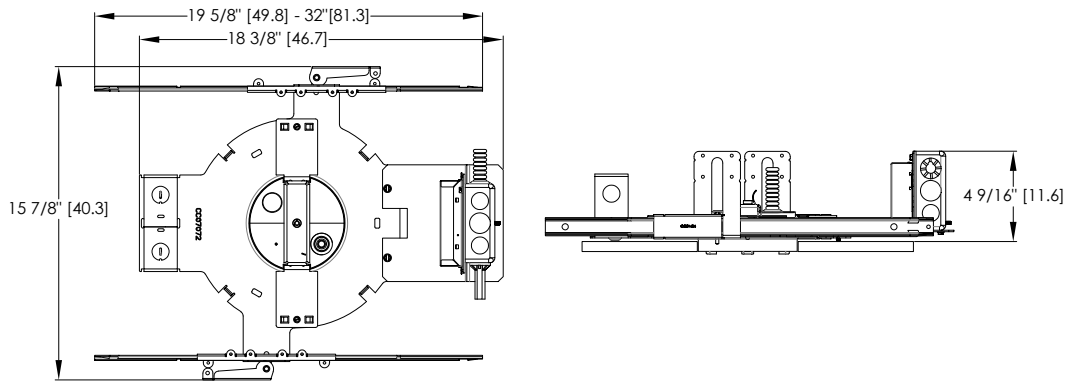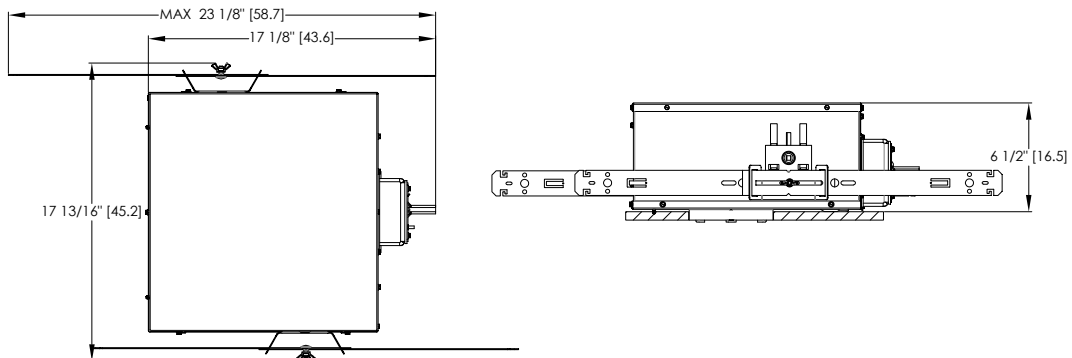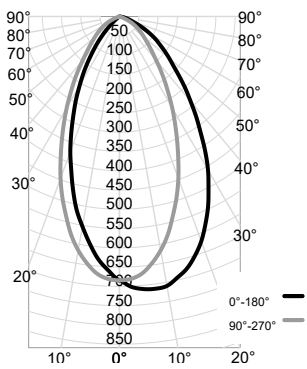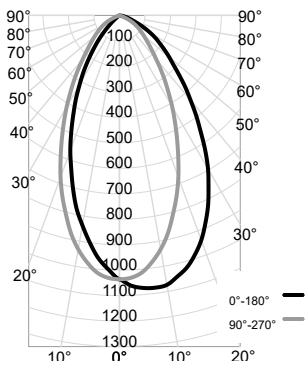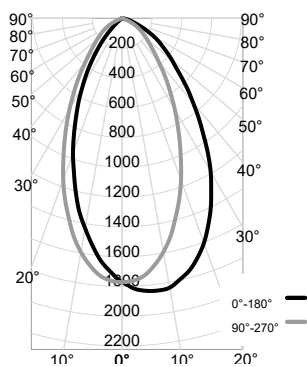## ICO4PCLW 35/10 AR LSS Input Watts: 8.4, Delivered Lumens: 725, LPW: 86.3, S/MH: 1.05, Test No: ISF 201863P159



**CP Summary**

| | 0° | 90° |
|---|---|---|
| 0° | 684 | 684 |
| 5° | 710 | 669 |
| 15° | 677 | 535 |
| 25° | 544 | 353 |
| 35° | 367 | 205 |
| 45° | 219 | 110 |
| 55° | 129 | 63 |
| 65° | 61 | 25 |
| 75° | 20 | 1 |
| 85° | 1 | 0 |
| 90° | 0 | 0 |

**Zonal Lumen Summary**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0° - 30° | 392 | 54% |
| 0° - 40° | 536 | 74% |
| 0° - 60° | 689 | 95% |
| 0° - 90° | 725 | 100% |
| 90° - 180° | 0 | 0% |
| 0° - 180° | 725 | 100% |

**Luminance (cd/sq.m)**

| | Average Luminance |
|---|---|
| 0° | 86,143 |
| 45° | 39,040 |
| 55° | 28,268 |
| 65° | 18,298 |
| 75° | 9,638 |
| 85° | 954 |

## ICO4PCLW 35/15 AR LSS Input Watts: 14.0, Delivered Lumens: 1098, LPW: 78.4, S/MH: 1.05, Test No: ISF 201863P161



**CP Summary**

| | 0° | 90° |
|---|---|---|
| 0° | 1,036 | 1,036 |
| 5° | 1,074 | 1,013 |
| 15° | 1,024 | 810 |
| 25° | 823 | 535 |
| 35° | 555 | 310 |
| 45° | 332 | 166 |
| 55° | 195 | 96 |
| 65° | 93 | 38 |
| 75° | 30 | 2 |
| 85° | 1 | 0 |
| 90° | 0 | 0 |

**Zonal Lumen Summary**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0° - 30° | 594 | 54% |
| 0° - 40° | 811 | 74% |
| 0° - 60° | 1,043 | 95% |
| 0° - 90° | 1,098 | 100% |
| 90° - 180° | 0 | 0% |
| 0° - 180° | 1,098 | 100% |

**Luminance (cd/sq.m)**

| | Average Luminance |
|---|---|
| 0° | 130,380 |
| 45° | 59,089 |
| 55° | 42,785 |
| 65° | 27,694 |
| 75° | 14,587 |
| 85° | 1,444 |

## ICO4PCLW 35/25 AR LSS Input Watts: 23.5, Delivered Lumens: 1877, LPW: 79.9, S/MH: 1.05, Test No: ISF 201863P165



**CP Summary**

| | 0° | 90° |
|---|---|---|
| 0° | 1,771 | 1,771 |
| 5° | 1,836 | 1,732 |
| 15° | 1,751 | 1,385 |
| 25° | 1,407 | 915 |
| 35° | 949 | 530 |
| 45° | 568 | 284 |
| 55° | 333 | 164 |
| 65° | 159 | 65 |
| 75° | 51 | 3 |
| 85° | 2 | 0 |
| 90° | 0 | 0 |

**Zonal Lumen Summary**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0° - 30° | 1,015 | 54% |
| 0° - 40° | 1,386 | 74% |
| 0° - 60° | 1,783 | 95% |
| 0° - 90° | 1,877 | 100% |
| 90° - 180° | 0 | 0% |
| 0° - 180° | 1,877 | 100% |

**Luminance (cd/sq.m)**

| | Average Luminance |
|---|---|
| 0° | 222,917 |
| 45° | 101,027 |
| 55° | 73,152 |
| 65° | 47,350 |
| 75° | 24,941 |
| 85° | 2,469 |

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**NLIGHT AIR**

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

### nLight® AIR Control Accessories
*Order as separate catalog number. Visit nLight AIR.*

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

### nLight® AIR Control Accessories *(cont.)*

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

### Possibilites for nLight® AIR

**Fixtures ordered *without* the NLTAIR option**

CLAIRITY™ + Mobile App    rPODBA DX    RCMSB

rPP20 (ordered as an accessory)

**Fixtures ordered *with* the NLTAIR option**

CLAIRITY™ + Mobile App    rPODB

**Wiring Key**

Ⓐ Line Power    Ⓑ Low Voltage Dimming Wires

### UL924 Sequence of Operation

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

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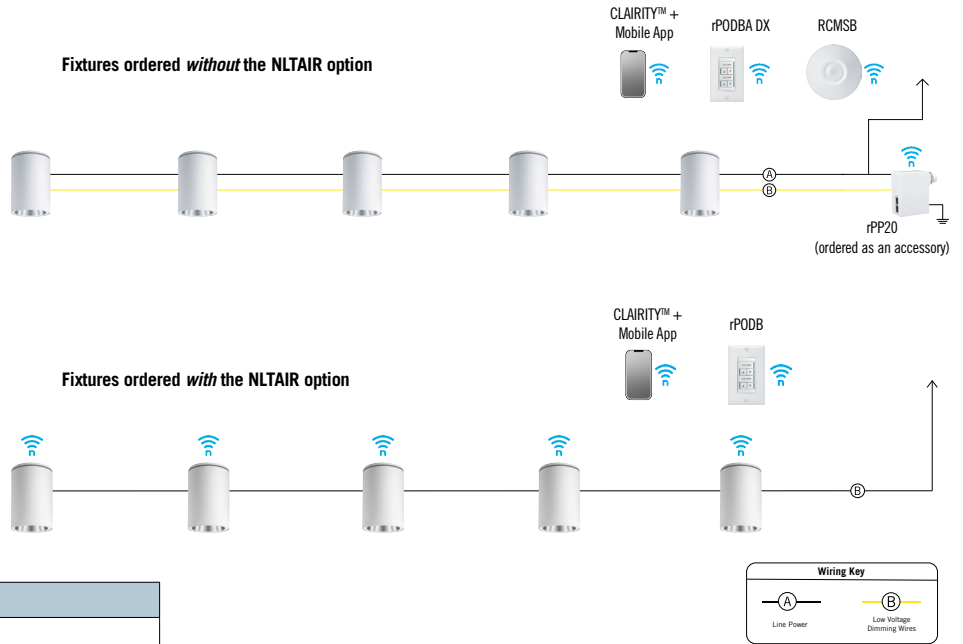
**NLIGHT**

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

### nLight® Wired Control Accessories
*Order as separate catalog number. Visit nLight.*

| Wall Switches | Model Number |
|---|---|
| On/Off single pole | nPODM (color) |
| On/Off two pole | nPODM 2P (color) |
| On/Off & raise/lower single pole | nPOD DX (color) |
| On/Off & raise/lower two pole | nPODM 2P DX (color) |
| Graphic touchscreen | nPOD GFX (color) |
| | |
| **Photocell Controls** | |
| Dimming | nCM ADCX |

### nLight® Wired Control Accessories *(cont.)*

| Occupancy Sensors (PIR/dual tech) | Model Number |
|---|---|
| Small motion 360°, ceiling | nCM 9 / nCM PDT 9 |
| Large motion 360°, ceiling | nCM 10 / nCM PDT 10 |
| Wide View | nWV 16 / nWV PDT 16 |
| Wall switch with raise/lower | nWSX LV DX / nWSX PDT LV DX |
| | |
| **Cat-5 Cables (plenum rated)** | |
| 10', CAT5 | CAT5 10FT J1 |
| 15', CAT5 | CAT5 15FT J1 |

### Possibilites for nLight® wired

**Fixtures ordered *without* the NLT option**

nCM    nPODM

nPS 80 EZ or nPP16 D (ordered as an accessory)

**Fixtures ordered *with* the NLT option**

nCM    nPODM

**Wiring Key**

Ⓐ CAT-5e Cable    Ⓑ Line Power    Ⓒ Low Voltage Dimming Wires

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