gotham® | E V O®
Multiple Layers of Light

LOW UGR · BAA · ENERGY STAR

Lensed Wall Wash Pendant Stem Cylinder — 6"

Feature Set

- Anodized kicker reflector provides uniform illumination from floor to ceiling
- 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

- Field cuttable 5/8" stems with concealed couplers.
- Recessed gear box available for driver above ceiling, nLight, CP, GTD, or battery pack options.
- 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

Lensed Wall Wash

Superior Performance

Nominal Lumens	250	500	750	1000	1500	2000	2500	3000	3500	4000	4500	5000	6000
Delivered Lumens	207	361	540	691	1023	1395	1764	2140	2463	2800	3152	3423	4149
Wattage	3.2	5.9	7.8	9.1	14.0	18.8	23.5	28.1	32.2	37.1	45.0	46.3	54.9
Lumens per Watt	64.0	61.1	69.1	75.6	73.1	74.4	75.0	76.2	76.5	75.4	70.0	73.9	75.6

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

Luminaire Type: _____

Catalog Number: _____

EXAMPLE: EVO6PCLW 35/15 AR LSS MVOLT EZ1 JBXCC PCAN S12 DWHG

Series		Color Temperature		Lumens		Reflector Color		Reflector Finish		Voltage	
EV06PCLW	EVO 6in Pendent Stem Round Cylinder Lensed Wall Wash	**27/**	2700 K	**02**	250 lumens	**AR**	Clear	**LSS**	Semi-specular	**MVOLT**	120V - 277V
		30/	3000 K	**05**	500 lumens	**PR**	Pewter	**LD**	Matte diffuse	**120**	120V
		35/	3500 K	**07**	750 lumens	**WTR**	Wheat	**LS**	Specular	**277**	277V
		40/	4000 K	**10**	1000 lumens	**GR**	Gold			**347**[3]	347V
		50/	5000 K	**15**	1500 lumens	**WR**[1]	White painted				
				20	2000 lumens	**BR**[1]	Black				
				25	2500 lumens	**WRAMF**[1]	White anti-microbial				
				30	3000 lumens	**BZR**[1]	Dark Bronze painted				
				35	3500 lumens	**TRALTBD**[1,2]	Trim RAL # TBD (TBD for pricing only)				
				40	4000 lumens	**TCPC**[1,2]	Trim Custom Paint Color TBD (TBD for pricing only)				
				45	4500 lumens						
				50	5000 lumens						
				60	6000 lumens						

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 5/8" 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 5/8" 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 5/8" stem
EZ1	eldoLED 0-10V ECOdrive. Linear dimming to 1% min.	**SGBCC**[8]	Surface Gear Box (for driver at ceiling), Surface J-box with Conduit Covers (not wall or surface ceiling)			**S8**	8 foot 5/8" stem
EZB	eldoLED 0-10V SOLOdrive. Logarithmic dimming to <1%.	**RGH**[9]	Recessed Gear Housing			**S10**	10 foot 5/8" stem
EDAB[5]	eldoLED SOLOdrive DALI. Logarithmic dimming to <1%.					**S12**	12 foot 5/8" stem
EDXB[5,6,7]	eldoLED POWERdrive DMX with RDM (remote device management). Square Law dimming to <1%. Min: 1000LM.					**S16**	16 foot 5/8" stem
ECOD[5]	Lutron® EcoSystem® digital Hi-Lume 1% soft-on, fade to black. Min: 250LM; Max: 8000LM (exept 4500LM).					**S20**	20 foot 5/8" 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 500-4500 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
E7WCP	IOTA® 7W Constant Power emergency battery (sidecar). Only for use with 750-8000 lumen options.	**NLTAIR2**	nLight® AIR dimming pack. Specify 120V or 277V.	**N80**[16]	nLight Lumen Compensation	**DMB**	Matte Medium Bronze	**DBNH**	Textured Bronze
				SF	Single fuse. Specify 120V or 277V.	**DNA**	Gloss Natural Aluminum	**DNAT**	Textured Natural Aluminum
E10WCP	IOTA® 10W Constant Power, CA Title 20 compliant emergency battery pack with integral test switch. Only for use with 1000-8000 lumen options. (sidecar or RGH)	**NLTAIRER2**[13]	nLight® AIR dimming pack for fixtures on emergency circuit. Specify 120V or 277V.	**WL**[17]	Wet Location	**DSS**	Gloss Sandstone	**DSST**	Textured Sandstone
						DGC	Gloss Charcoal Grey	**DSPD**	Textured Dark Grey
E10WCPR	IOTA® 10W Constant Power, CA Title 20 compliant emergency battery pack with remote test switch. Only for use with 1000-6000 lumen options. (requires RGH)					**DTG**	Gloss Tennis Green	**DSPE**	Textured Green
						DBR	Gloss Bright Red	**DSPH**	Textured Light Red
E15WCP	IOTA® 15W Constant Power, CA Title 20 compliant emergency battery. Only for use with 1500-8000 lumen options. (sidecar)					**DSB**	Gloss Steel Blue	**DWHAMF**	Gloss White with Anti-microbial finish
								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
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 Reflector 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. Max 5000LM.
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. Not available with 250-750 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 valid with NLTAIR2, NLTAIRER2 or E10WCPR.
15. Only available up to 3500 lumens; up to 2500 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 or sidecar Emergency Options. Max 3000LM.

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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, CP and GTD or battery pack 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 60,000 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.

⟨A+ 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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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
EZB	<1%	Logarithmic	Linear
EDAB	<1%	Logarithmic*	Linear
EDXB	<1%	Square	Linear

*Changable thorugh DALI controller

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					
		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 P12 LITHONIA Sandstone	DSST P90 TEXTURED Sandstone	DBR P34 LITHONIA Bright Red	DSPH P80 TEXTURED Light Red
DMB P11 LITHONIA Medium Bronze	DBNH P74 TEXTURED Bronze	DTG P33 LITHONIA Tennis Green	DSPE P78 TEXTURED Green
DSB P49 LITHONIA Steel Blue	DNA P07 LITHONIA Natural Aluminum	DNAT P89 TEXTURED Natural Aluminum	DGC P32 LITHONIA Charcoal Gray
DSPD P77 TEXTURED Dark Grey	DDB P50 LITHONIA Dark Bronze	DDBT P88 TEXTURED Dark Bronze	DBL P13 LITHONIA Black
DBLB P75 TEXTURED Black	DWH P21 LITHONIA White	DWHG P86 TEXTURED White	

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.

EVO6PCLW
page 5 of 17

GOTHAM ARCHITECTURAL DOWNLIGHTING | 1400 Lester Road Conyers, GA 30012 | P 800-705-SERV (7378) | gothamlighting.com
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The product images shown are for illustration purposes only and may not be an exact representation of the product.

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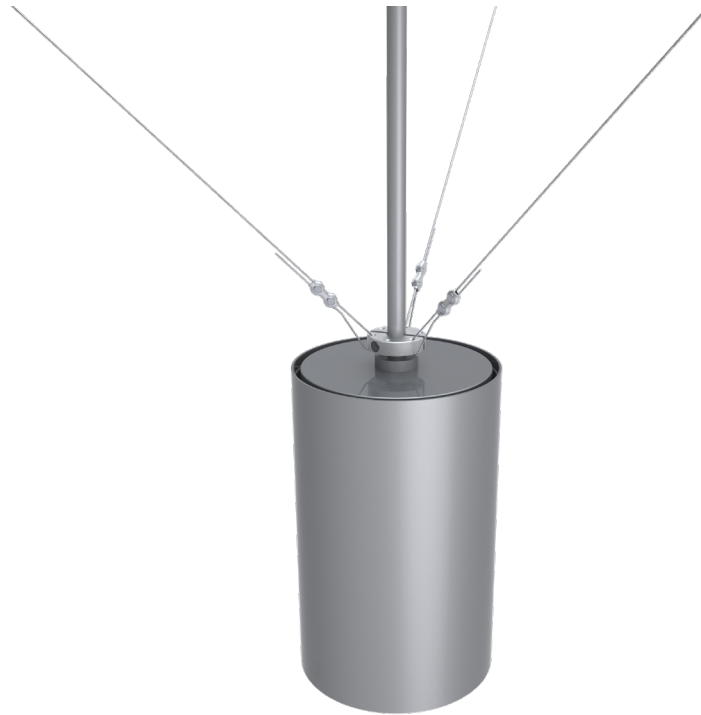
Clamps and Stem Collars
The stem collar consists of two (2) half stem collars made of 304 stainless steel. Both stem collar halves are attached around the pendant stem with 304 stainless steel socket head cap screws.

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.
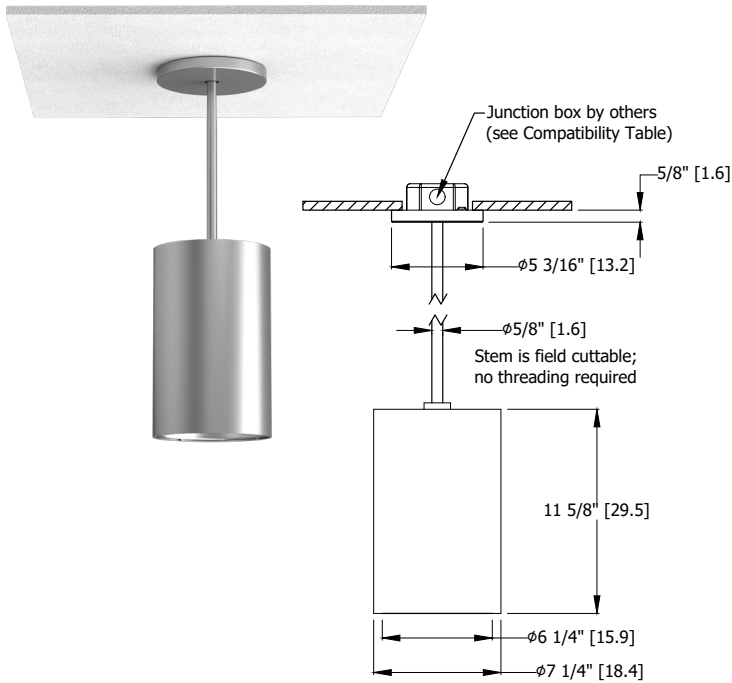
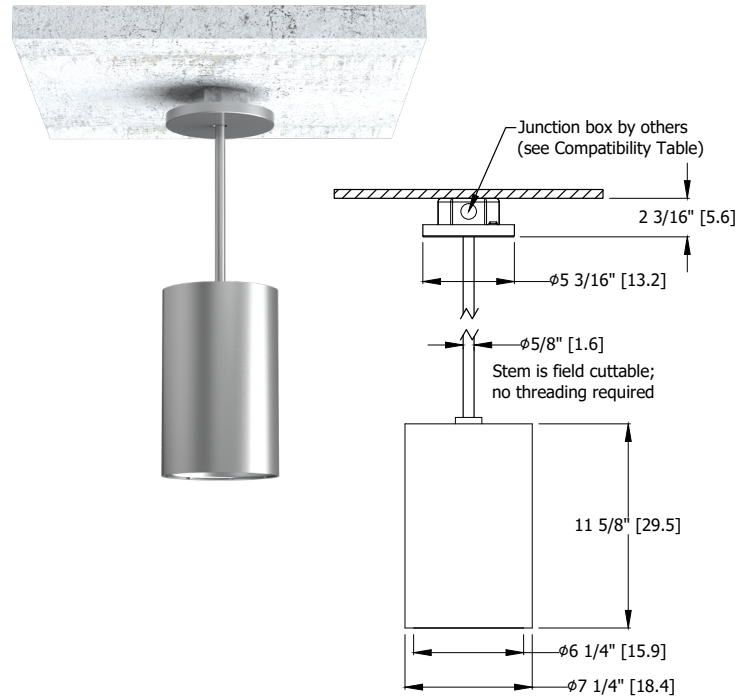The cable tension can be adjusted from either end.

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 0.3 sq ft)
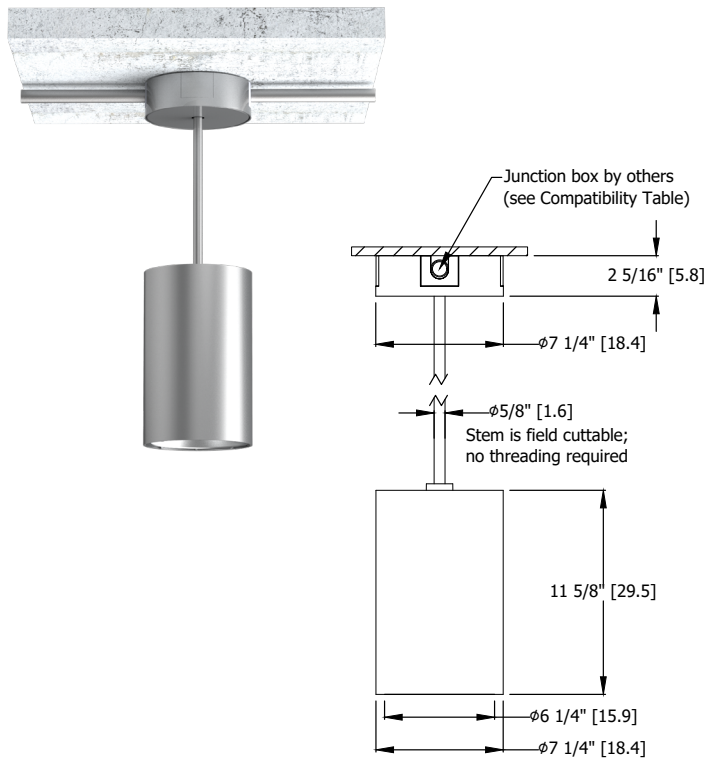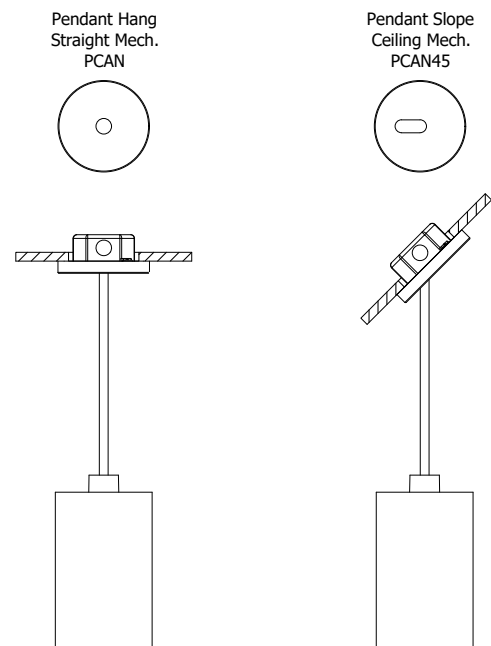
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DIMENSIONAL DATA

JBX Recessed J-Box

Junction box by others
(see Compatibility Table)

5/8" [1.6]

⌀5 3/16" [13.2]

⌀5/8" [1.6]

Stem is field cuttable;
no threading required

11 5/8" [29.5]

⌀6 1/4" [15.9]

⌀7 1/4" [18.4]

JBX Surface J-Box

Junction box by others
(see Compatibility Table)

2 3/16" [5.6]

⌀5 3/16" [13.2]

⌀5/8" [1.6]

Stem is field cuttable;
no threading required

11 5/8" [29.5]

⌀6 1/4" [15.9]

⌀7 1/4" [18.4]

JBXCC Surface J-Box with Conduit Covers

Junction box by others
(see Compatibility Table)

2 5/16" [5.8]

⌀7 1/4" [18.4]

⌀5/8" [1.6]

Stem is field cuttable;
no threading required

11 5/8" [29.5]

⌀6 1/4" [15.9]

⌀7 1/4" [18.4]

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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Stem Cutting Formulas for JBX

Mounting Plane (J-Box)

Ⓑ Mounting Height (in)

Bottom of Cylinder

Ⓐ Fixture Height (in)

Desired illuminating surface

Cord Length = Ⓑ - Ⓐ - 6"
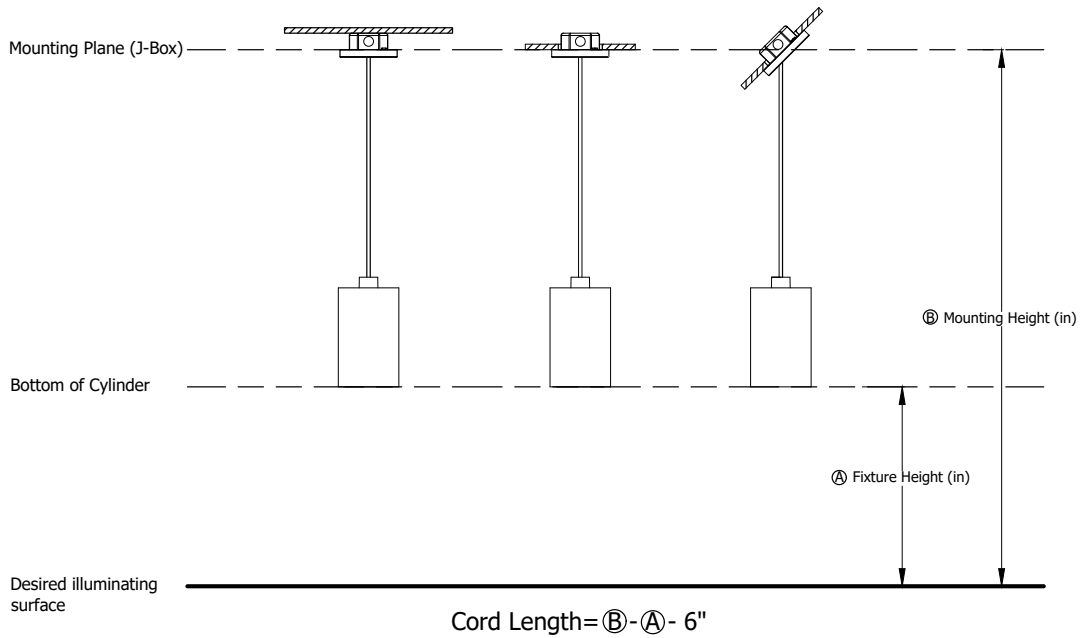
Conduit Feed Examples and Keys

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

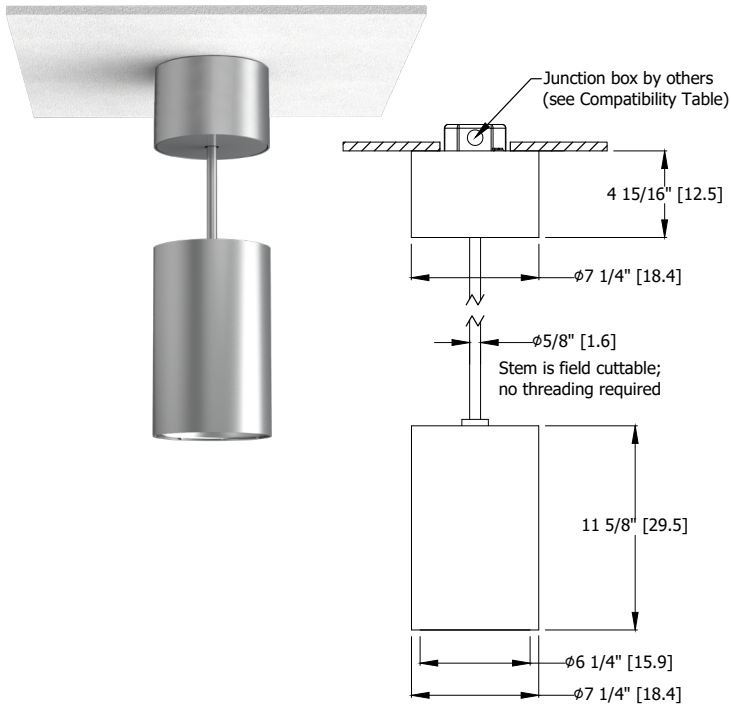Triple 0°, 90° & 180° conduit

Quad 0°, 90°, 180°, & 270° conduit

Top conduit feed

*Dimensions in inches [centimeters]

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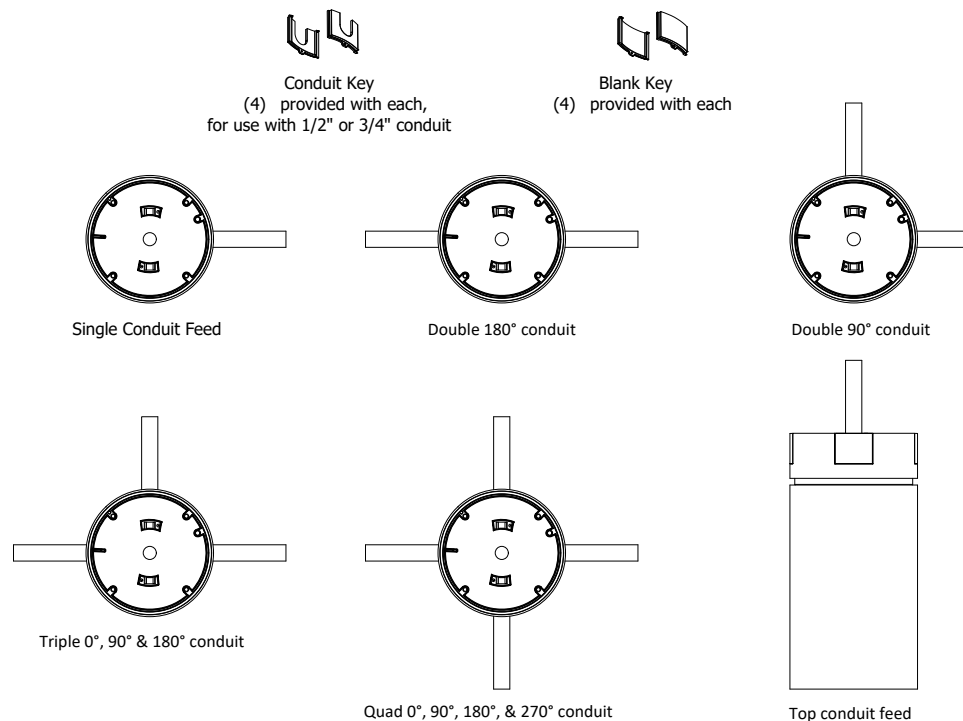
SGB Surface Gear Box for EDXB recessed J-box

Junction box by others
(see Compatibility Table)

4 15/16" [12.5]

Φ7 1/4" [18.4]

Φ5/8" [1.6]

Stem is field cuttable;
no threading required

11 5/8" [29.5]

Φ6 1/4" [15.9]

Φ7 1/4" [18.4]

SGB Surface Gear Box for EDXB Surface J-Box

Junction box by others
(see Compatibility Table)

4 15/16" [12.5]

Φ7 1/4" [18.4]

Φ5/8" [1.6]

Stem is field cuttable;
no threading required

11 5/8" [29.5]

Φ6 1/4" [15.9]

Φ7 1/4" [18.4]
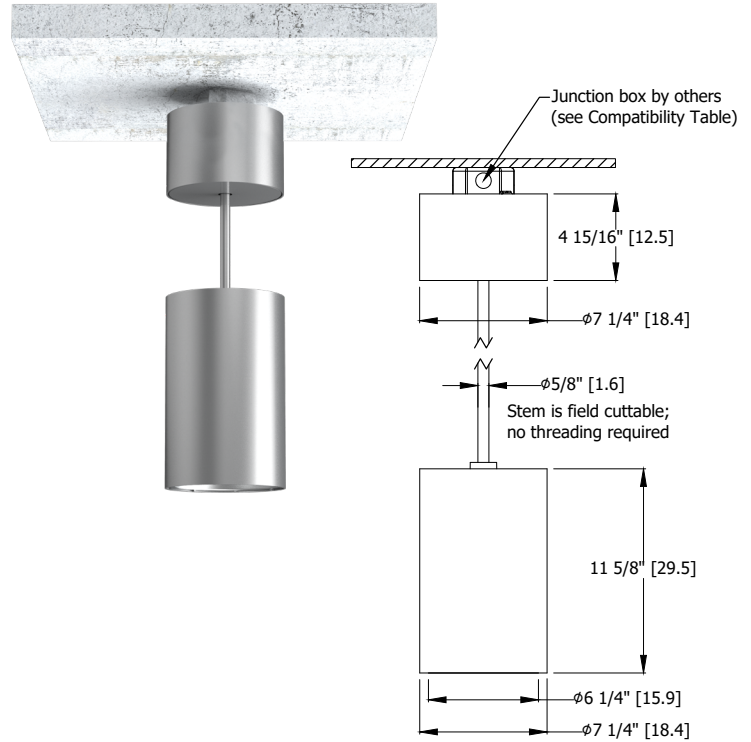
SGBCC Surface Gear Box for EDXB with Conduit Covers
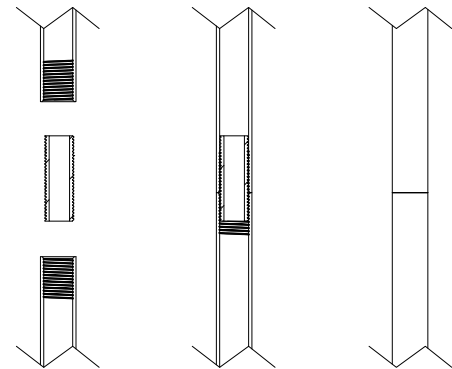
Junction box by others
(see Compatibility Table)

6 7/16" [16.3]

Φ7 1/4" [18.4]

Φ5/8" [1.6]

Stem is field cuttable;
no threading required

11 5/8" [29.5]

Φ6 1/4" [15.9]

Φ7 1/4" [18.4]

Stem Connection Method

*Dimensions in inches [centimeters]

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DIMENSIONAL DATA

Stem Cutting Formulas for SGB

Mounting Plane (J-Box)

Ⓑ Mounting Height (in)

Bottom of Cylinder

Ⓐ Fixture Height (in)

Desired illuminating surface

Stem Length = Ⓑ - Ⓐ - 15"

Cylinder Adaptor Plate

φ6 1/2" [16.5]

1/16" [.2]

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

Includes 2 mounting screws

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

*Dimensions in inches [centimeters]

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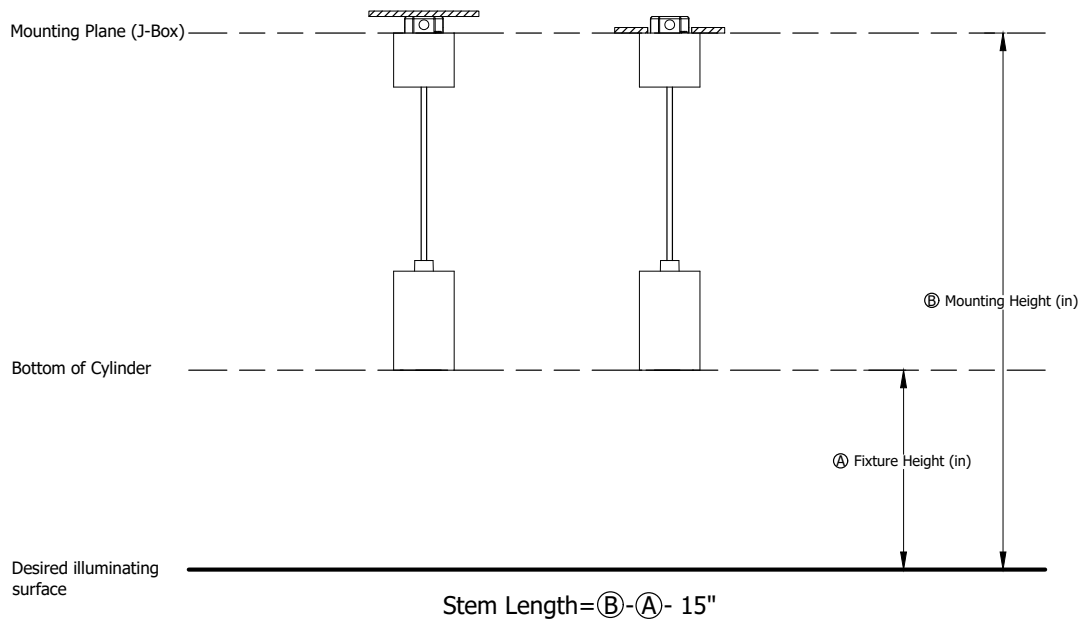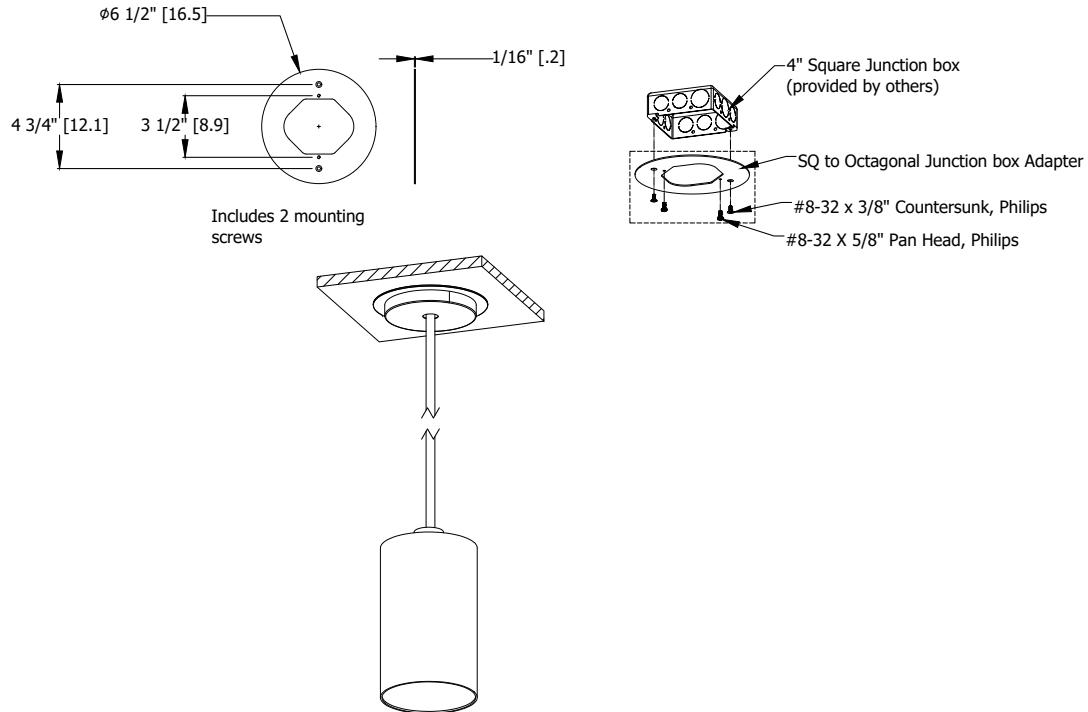
DIMENSIONAL DATA

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]
3 9/16" [9.0]
4 5/16" [11.0]

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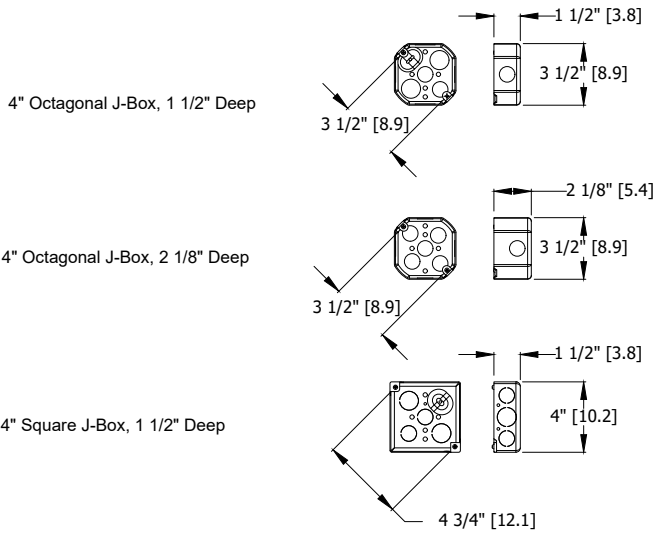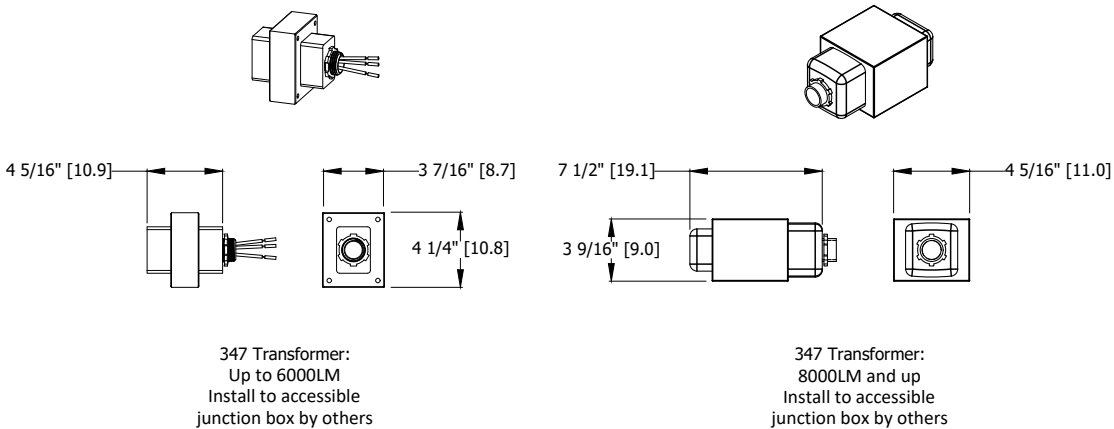
Emergency Battery Sidecar Dimensions

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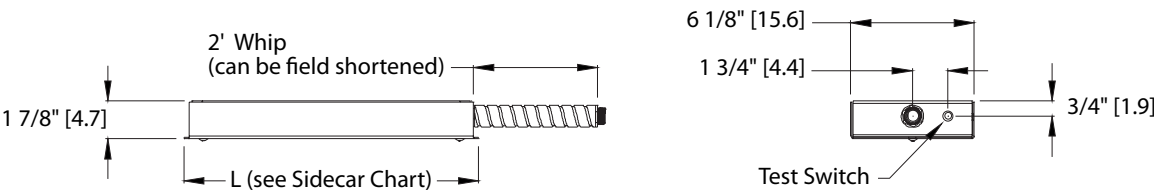
SIDECAR BATTERY OPTION	LUMEN PACKAGES AVAILABLE	L (SIDECAR LENGTH)
E7WCP	750LM AND GREATER EXCEPT AS NOTED BELOW	14"
	6000-8000LM 5000-8000LM WITH ECOD DRIVER	16"
E10WCP	1000LM AND GREATER EXCEPT AS NOTED BELOW	14"
	6000-8000LM 5000-8000LM WITH ECOD DRIVER	16"
E15WCP	1500LM AND GREATER	16"

*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 5/8" [1.6]
Stem is field cuttable;
no threading required

7/8" [2.2]

Test Switch

11 5/8" [29.5]

Ø 6 1/4" [15.9]

Ø 7 1/4" [18.4]
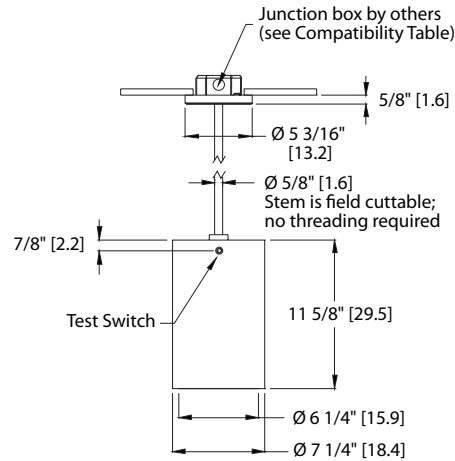
7W/10W/15W Sidecar Emergency Battery
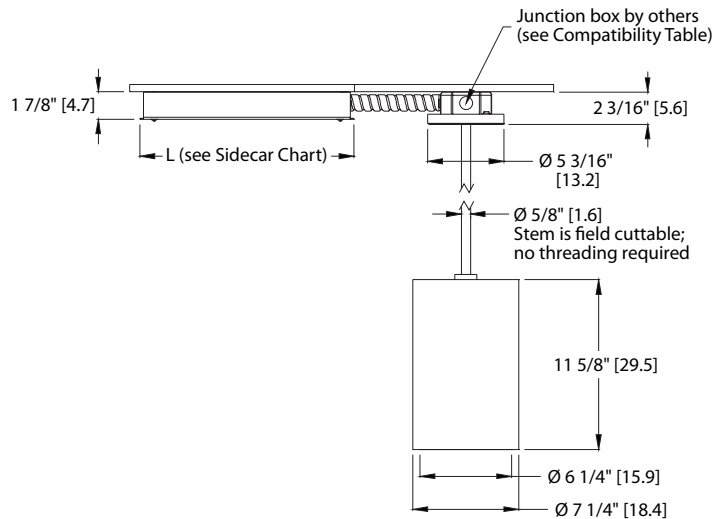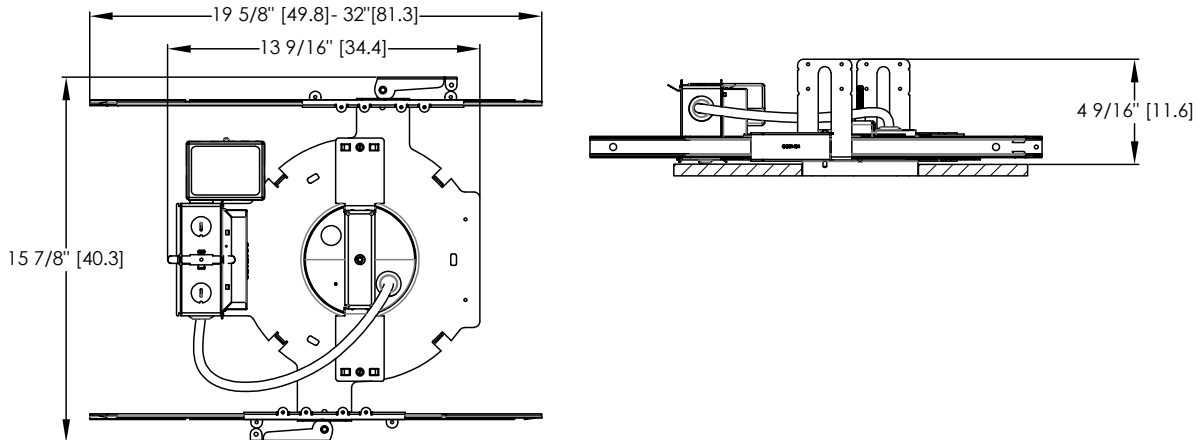
Junction box by others
(see Compatibility Table)

1 7/8" [4.7]

2 3/16" [5.6]

L (see Sidecar Chart)

Ø 5 3/16" [13.2]

Ø 5/8" [1.6]
Stem is field cuttable;
no threading required

11 5/8" [29.5]

Ø 6 1/4" [15.9]

Ø 7 1/4" [18.4]

RGH 2500LM-5000LM and with EDXB up to 4500LM & ECOD up to 4000LM 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 (E10WCPR) 2500LM-5000LM and with EDXB up to 4500LM & ECOD up to 4000LM Standard
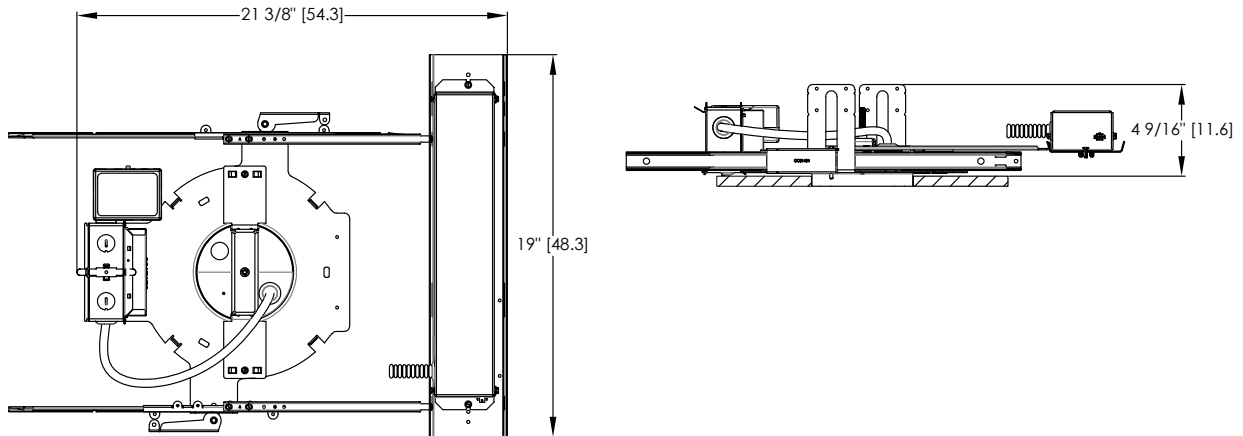
21 3/8" [54.3]

19" [48.3]

4 9/16" [11.6]

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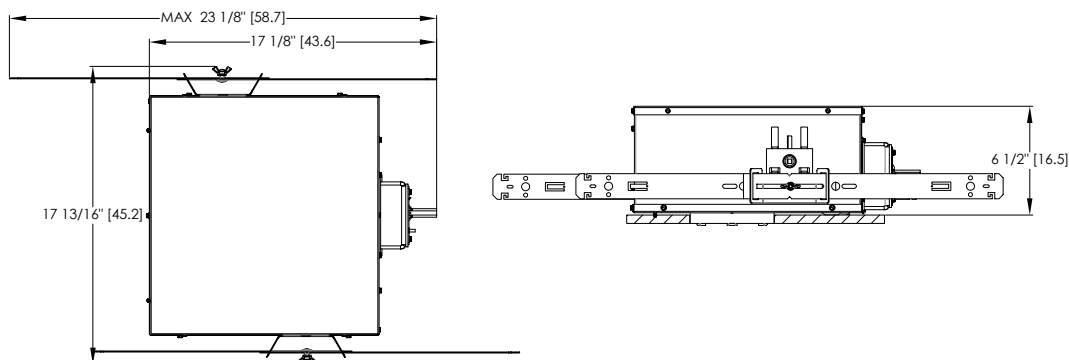
Minimum plenum height for emergency batteries in non-accessible ceilings: 12 1/2"[31.8]
Ceiling thickness range: 1/2"[1.3] to 3"[7.6]
Ceiling cutout: 5 1/16"[12.9]

RGH with CP 2500LM-5000LM and for use with EDXB up to 4500LM & ECOD up to 4000LM Standard

19 5/8" [49.8] - 32"[81.3]

18 3/8" [46.7]

15 7/8" [40.3]

4 9/16" [11.6]
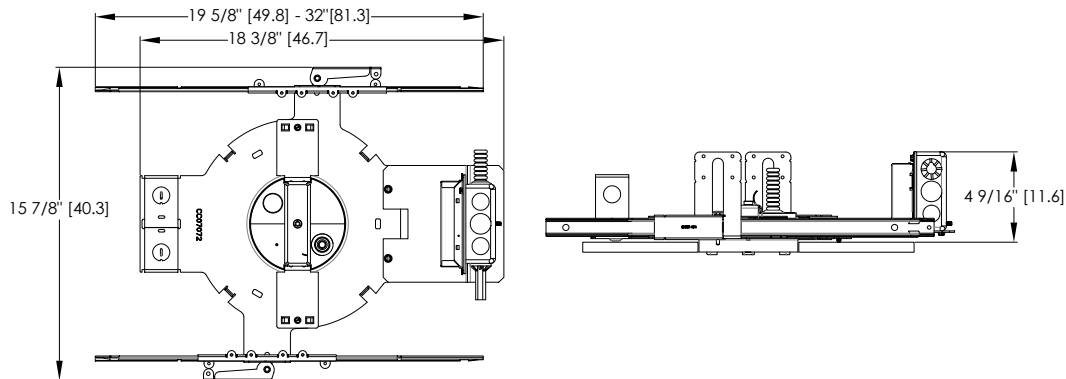
Ceiling thickness range: 1/2"[1.3] to 3"[7.6]
Ceiling cutout: 5 1/16"[12.9]

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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RGH Double Driver 5000LM+ EDXB & ECOD, 6000LM & 8000LM Standard

MAX 19 5/8" [49.8]
15 1/2" [39.4]
15 7/8" [40.3]
4 9/16" [11.6]
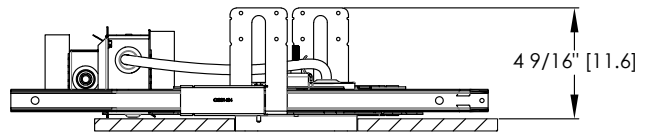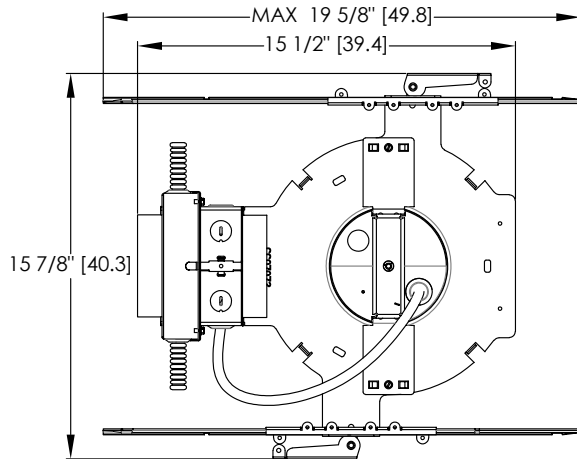
Ceiling thickness range: 1/2"[1.3] to 3"[7.6]
Ceiling cutout: 5 1/16"[12.9]

RGH Double Driver with Battery Backup (E10WCPR/E10WCP) for use with 5000LM+ EDXB & ECOD, 6000LM & 8000LM Standard
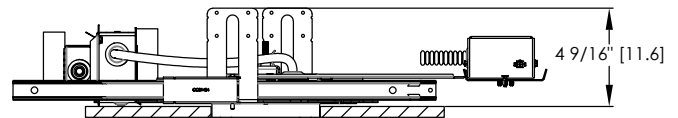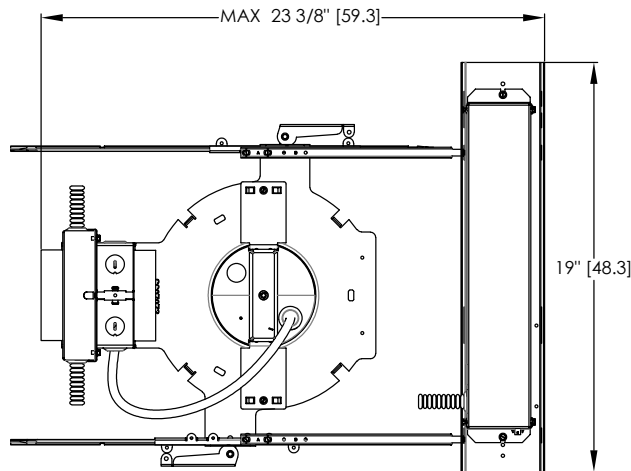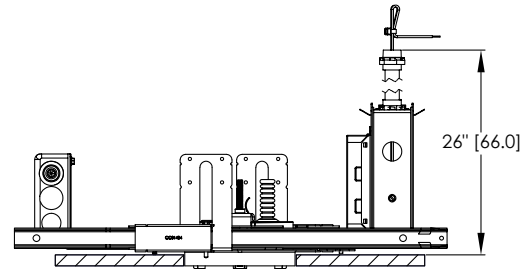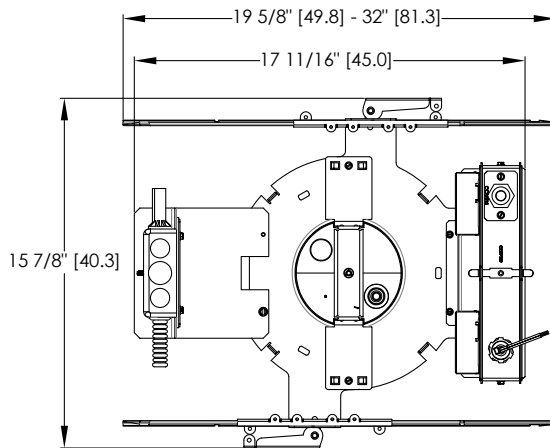
MAX 23 3/8" [59.3]
19" [48.3]
4 9/16" [11.6]

With Emergency Battery or GTD option

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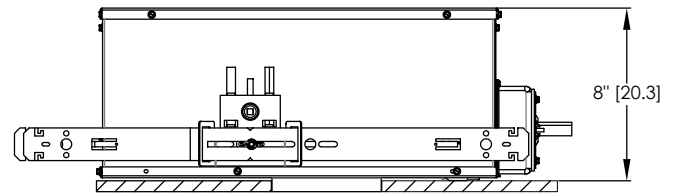Ceiling thickness range: 1/2"[1.3] to 3"[7.6]
Ceiling cutout: 5 1/16"[12.9]

*Dimensions in inches [centimeters]

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RGH Double Driver CP Standard

19 5/8" [49.8] - 32" [81.3]

17 11/16" [45.0]

15 7/8" [40.3]

26" [66.0]

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

RGH Double Driver with CP for use with 5000LM+ EDXB & ECOD, 6000LM & 8000LM Enclosed
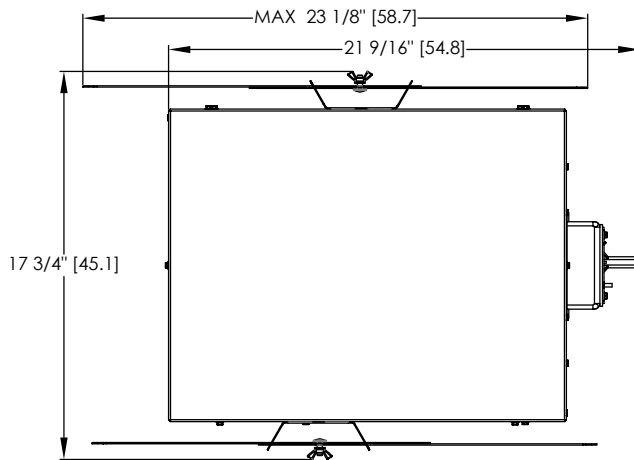
MAX 23 1/8" [58.7]

21 9/16" [54.8]

17 3/4" [45.1]

8" [20.3]

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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Photometry

EVO6PCLW 35/10 AR LSS Input Watts: 9.1, Delivered Lumens: 692, LPW: 76.0, S/MH: 1.20, Test No: ISF 201821P547
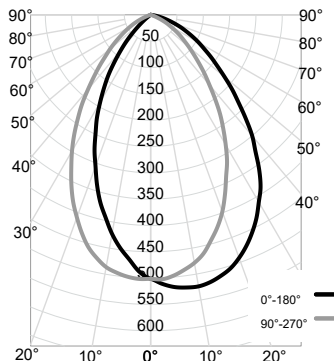
CP Summary			Zonal Lumen Summary			Luminance (cd/sq.m)	
	0°	90°	Zone	Lumens	% Fixture		Average Luminance
0°	501	501	0° - 30°	332	48%	0°	27,489
5°	519	497	0° - 40°	483	70%	45°	18,338
15°	514	443	0° - 60°	651	94%	55°	13,370
25°	456	339	0° - 90°	692	100%	65°	9,730
35°	360	230	90° - 180°	0	0%	75°	5,582
45°	237	130	0° - 180°	692	100%	85°	425
55°	140	68					
65°	75	23					
75°	26	0					
85°	1	0					
90°	0	0					

EVO6PCLW 35/15 AR LSS Input Watts: 14.0, Delivered Lumens: 1023, LPW: 73.1, S/MH: 1.20, Test No: ISF 201821P553
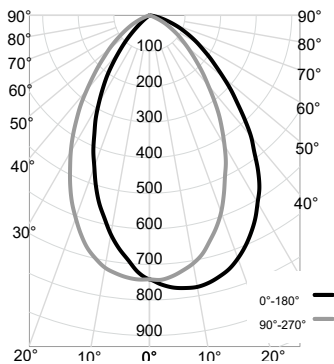
CP Summary			Zonal Lumen Summary			Luminance (cd/sq.m)	
	0°	90°	Zone	Lumens	% Fixture		Average Luminance
0°	742	742	0° - 30°	492	48%	0°	40,677
5°	768	736	0° - 40°	714	70%	45°	27,135
15°	760	656	0° - 60°	963	94%	55°	19,784
25°	675	502	0° - 90°	1,023	100%	65°	14,398
35°	532	340	90° - 180°	0	0%	75°	8,261
45°	350	192	0° - 180°	1,023	100%	85°	629
55°	207	100					
65°	111	34					
75°	39	0					
85°	1	0					
90°	0	0					

EVO6PCLW 35/25 AR LSS Input Watts: 23.5, Delivered Lumens: 1765, LPW: 75.1, S/MH: 1.20, Test No: ISF 201821P565
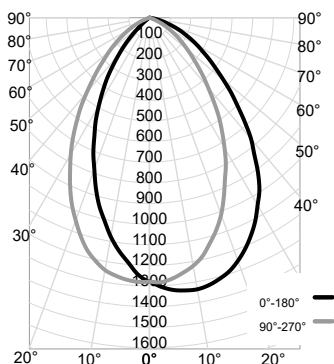
CP Summary			Zonal Lumen Summary			Luminance (cd/sq.m)	
	0°	90°	Zone	Lumens	% Fixture		Average Luminance
0°	1,280	1,280	0° - 30°	848	48%	0°	70,151
5°	1,324	1,269	0° - 40°	1,232	70%	45°	46,796
15°	1,311	1,131	0° - 60°	1,662	94%	55°	34,120
25°	1,164	866	0° - 90°	1,765	100%	65°	24,832
35°	917	586	90° - 180°	0	0%	75°	14,246
45°	604	331	0° - 180°	1,765	100%	85°	1,085
55°	357	172					
65°	191	59					
75°	67	0					
85°	2	0					
90°	0	0					

Lumen Output Multiplier		
CRI	CCT	Multplier
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

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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.

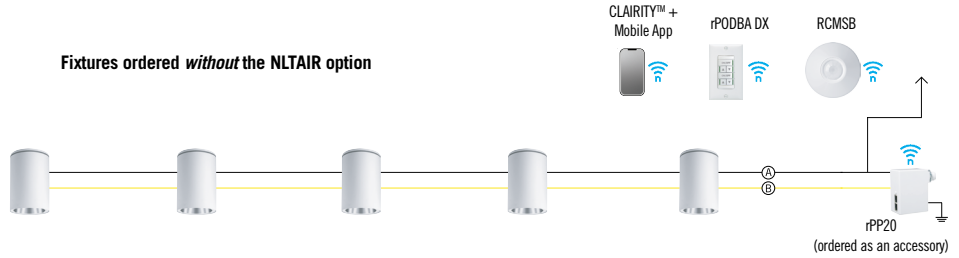| Wall Switches	Model Number
On/Off single pole	rPODB (color) G2
On/Off two pole	rPODB 2P (color) G2
On/Off & raise/lower single pole	rPODB DX (color) G2
On/Off & raise/lower two pole	rPODB 2P DX (color) G2

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

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
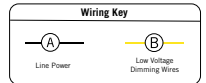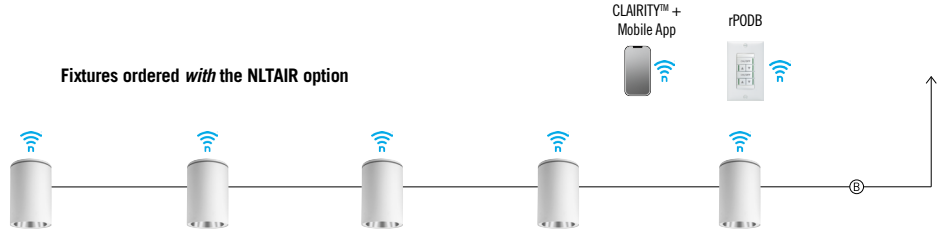
UL924 Sequence of Operation

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 CLAIRITY+ mobile app, EM devices must be associated with a group that includes a normal power sensing device to receive NPS broadcasts.
- Only non-emergency rPP20, rLSXR, rSBOR, rSDGR, and nLight AIR luminaires with version 3.4 or later firmware can provide normal power sensing for EM devices. See specification sheets for control devices and luminaires for more information on options that support normal power sensing.

NLIGHT

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)
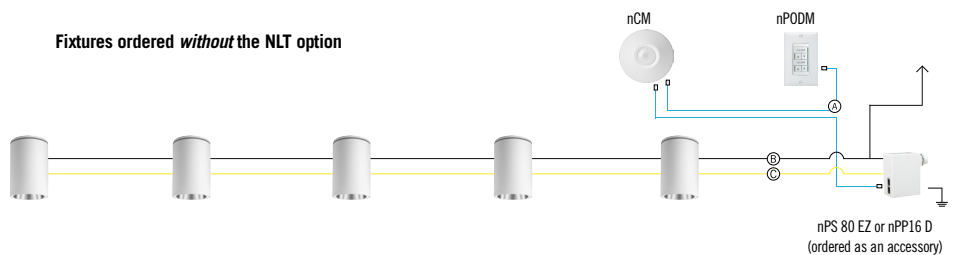
Fixtures ordered *with* the NLT option

nCM   nPODM

Wiring Key

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

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