gotham® | INCITO™

Multiple Layers of Light

BAA · BABA · LOW UGR

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
- 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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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.

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.

Government Procurement
BAA - Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations
BABA - Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act
Please refer to www.acuitybrands.com/buy-american 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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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	Multlpier
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

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

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.
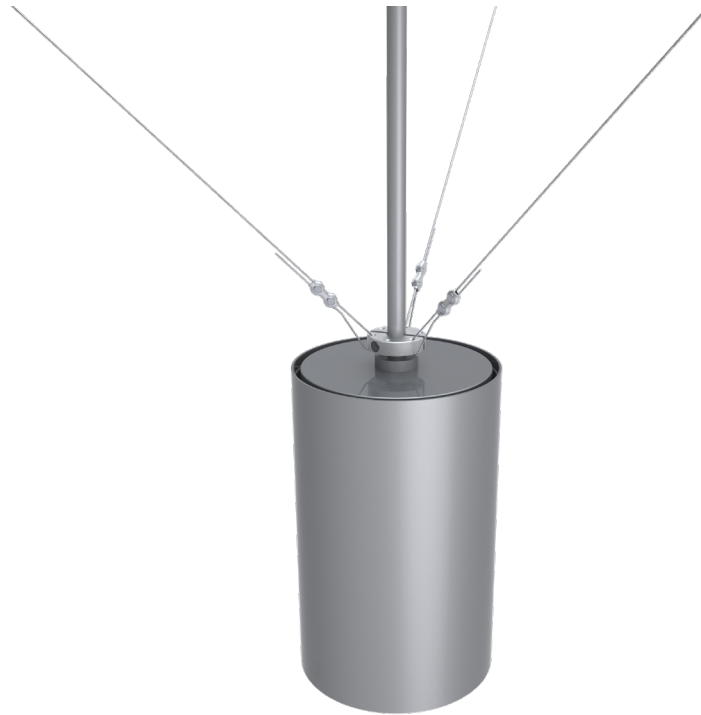
Clamps and Stem Collars

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.

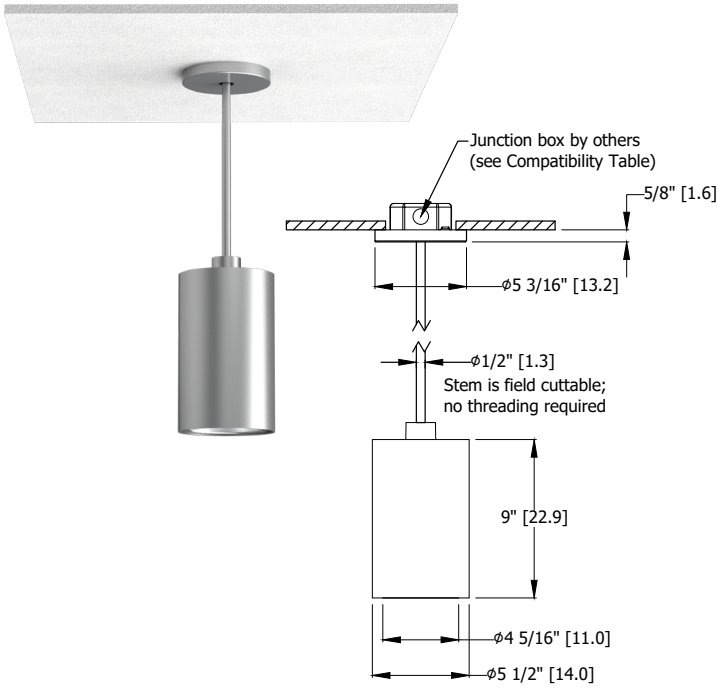The cable tension can be adjusted from either end.

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)
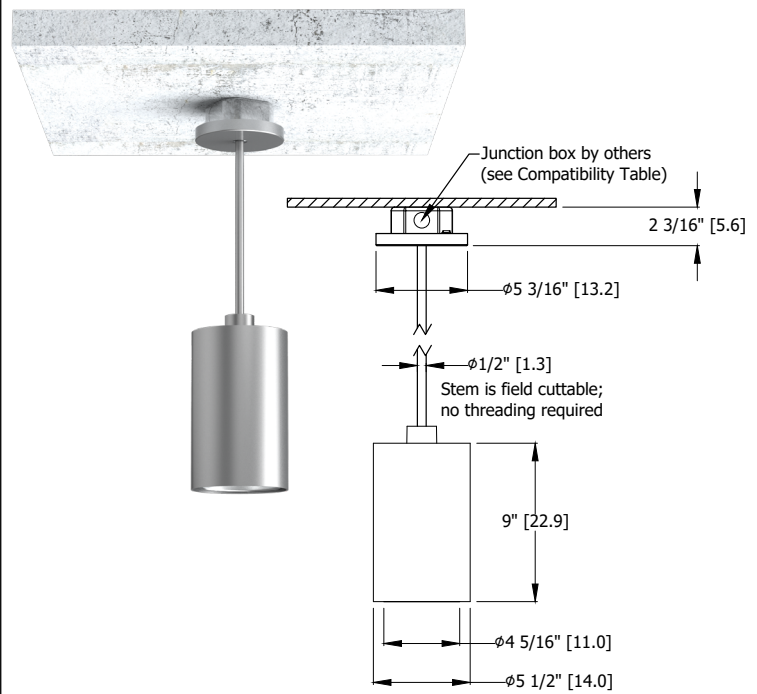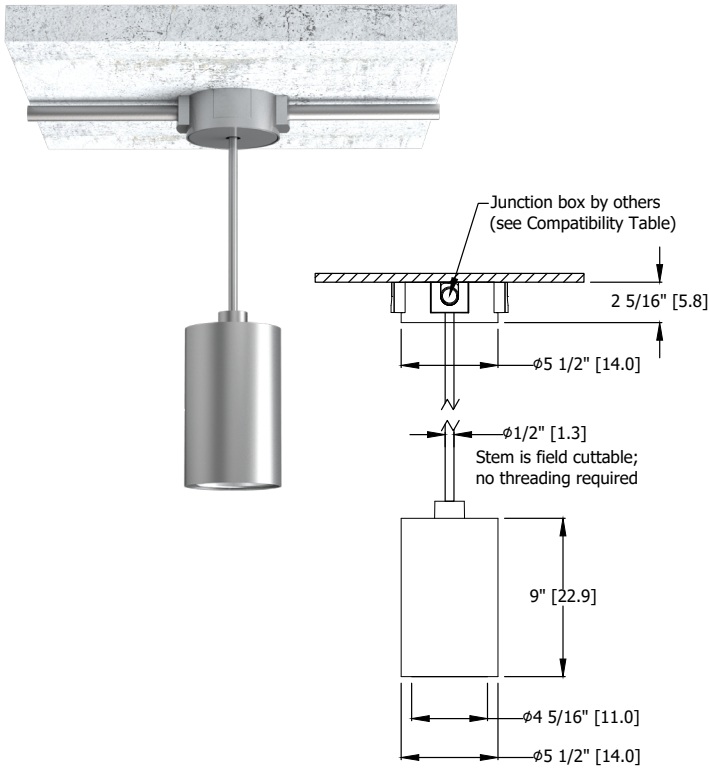
DIMENSIONAL DATA
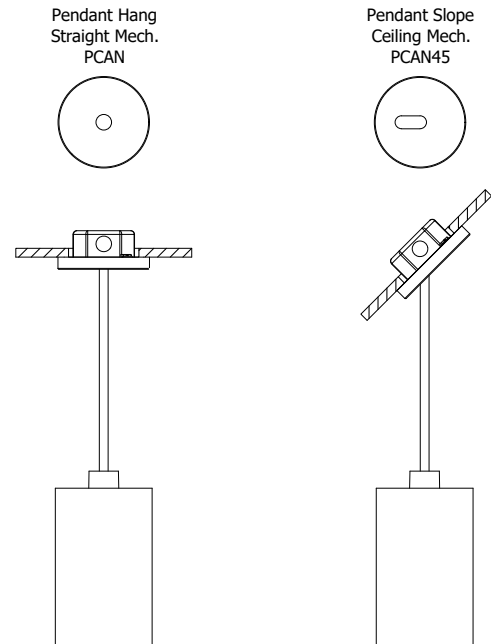
JBX Recessed J-Box

Junction box by others
(see Compatibility Table)

5/8" [1.6]

ø5 3/16" [13.2]

ø1/2" [1.3]
Stem is field cuttable;
no threading required

9" [22.9]

ø4 5/16" [11.0]

ø5 1/2" [14.0]

JBX Surface J-Box

Junction box by others
(see Compatibility Table)

2 3/16" [5.6]

ø5 3/16" [13.2]

ø1/2" [1.3]
Stem is field cuttable;
no threading required

9" [22.9]

ø4 5/16" [11.0]

ø5 1/2" [14.0]

JBXCC Surface J-Box with Conduit Covers

Junction box by others
(see Compatibility Table)

2 5/16" [5.8]

ø5 1/2" [14.0]

ø1/2" [1.3]
Stem is field cuttable;
no threading required

9" [22.9]

ø4 5/16" [11.0]

ø5 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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DIMENSIONAL DATA

SGB Surface Gear Box for EDXB Recessed J-Box

Junction box by others
(see Compatibility Table)

4 15/16" [12.5]

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]
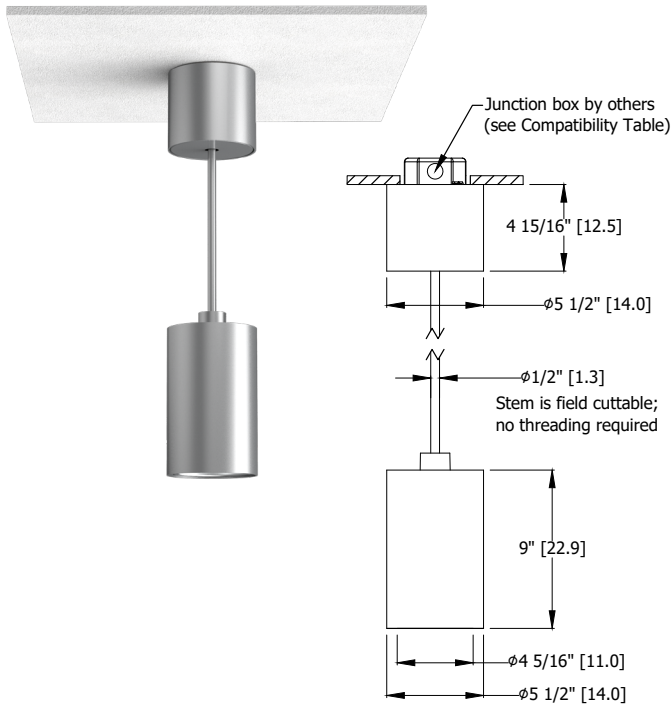
SGB Surface Gear Box for EDXB Surface J-Box

Junction box by others
(see Compatibility Table)

4 15/16" [12.5]

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]
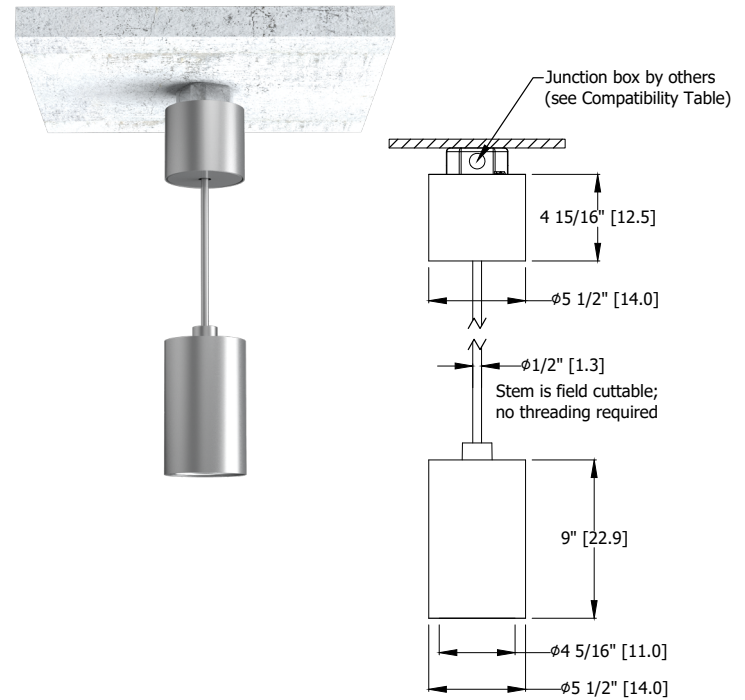
SGBCC Surface Gear Box for EDXB with Conduit Covers

Junction box by others
(see Compatibility Table)

6 7/16" [16.3]

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]
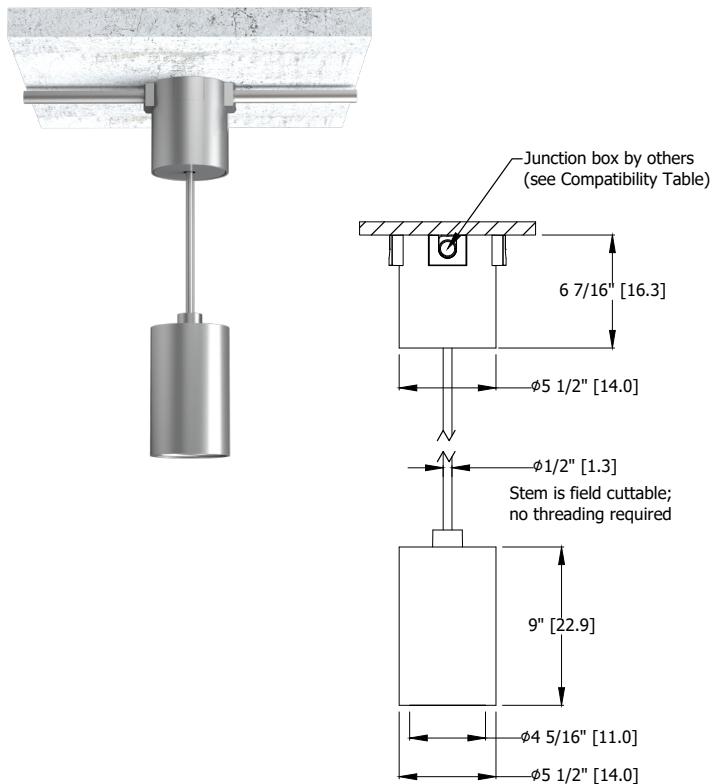
Stem Connection Method

*Dimensions in inches [centimeters]

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DIMENSIONAL DATA
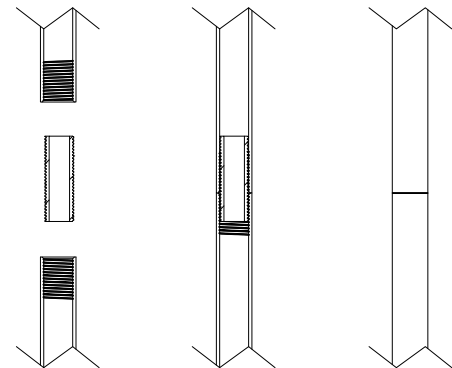
Stem Cutting Formulas for JBX / JBXCC

Mounting Plane (J-Box)

Ⓑ Mounting Height (in)

Bottom of Cylinder

Ⓐ Fixture Height (in)

Desired illuminating surface

Stem Length = Ⓑ - Ⓐ - 9"
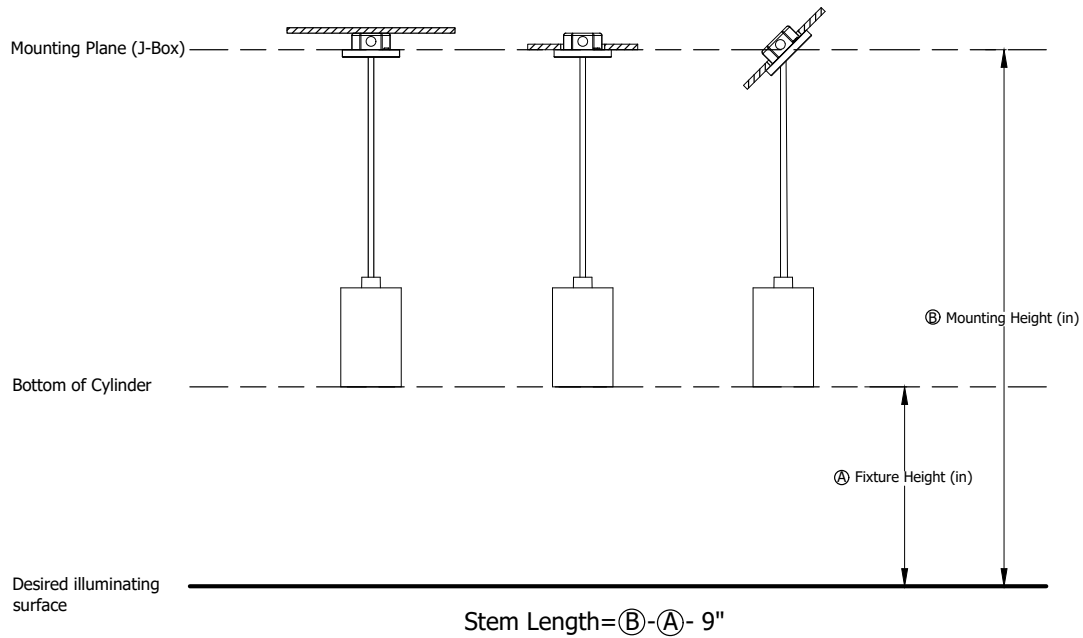
Conduit Feed Examples and Keys

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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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 = Ⓑ - Ⓐ - 13"

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

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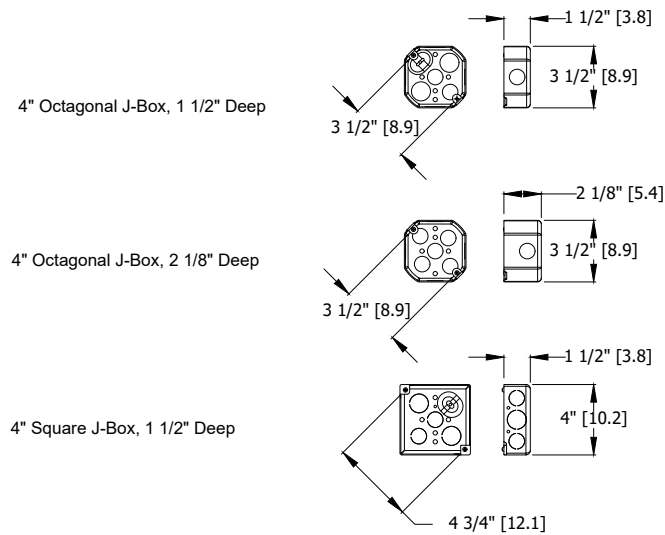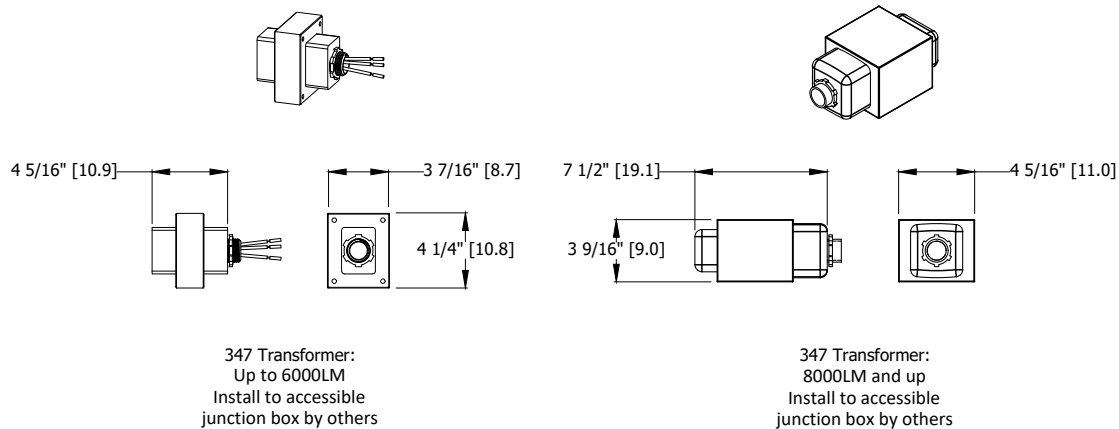
Emergency Battery Sidecar Dimensions

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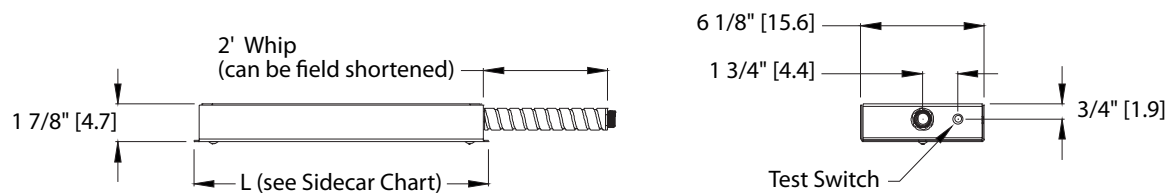
SIDECAR BATTERY OPTION	LUMEN PACKAGES AVAILABLE	L (SIDECAR LENGTH)
E7WCP	750LM AND GREATER EXCEPT AS NOTED BELOW	14"
	6000-8000LM 5000-8000LM WITH ECOD DRIVER	16"
E10WCP	1000LM AND GREATER EXCEPT AS NOTED BELOW	14"
	6000-8000LM 5000-8000LM WITH ECOD DRIVER	16"
E15WCP	1500LM AND GREATER	16"

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

7/8" [2.2]

9" [22.9]

Test Switch

Ø 4 5/16" [11.0]

Ø 5 1/2" [14.0]
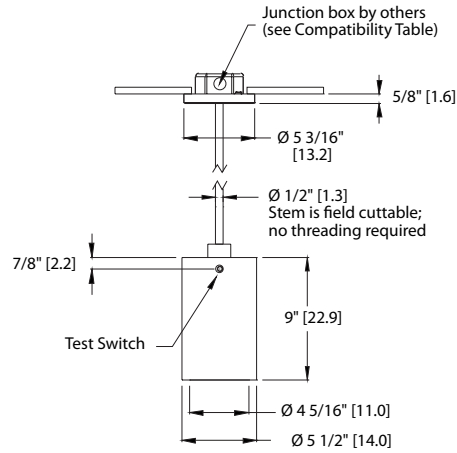
7W/10W/15W Sidecar Emergency Battery
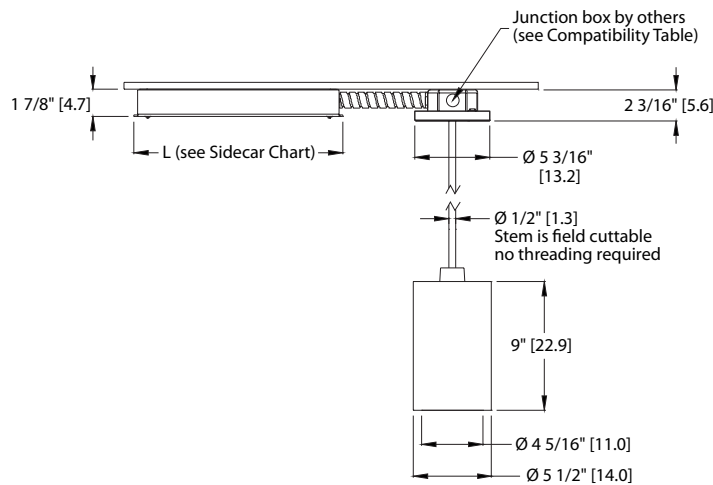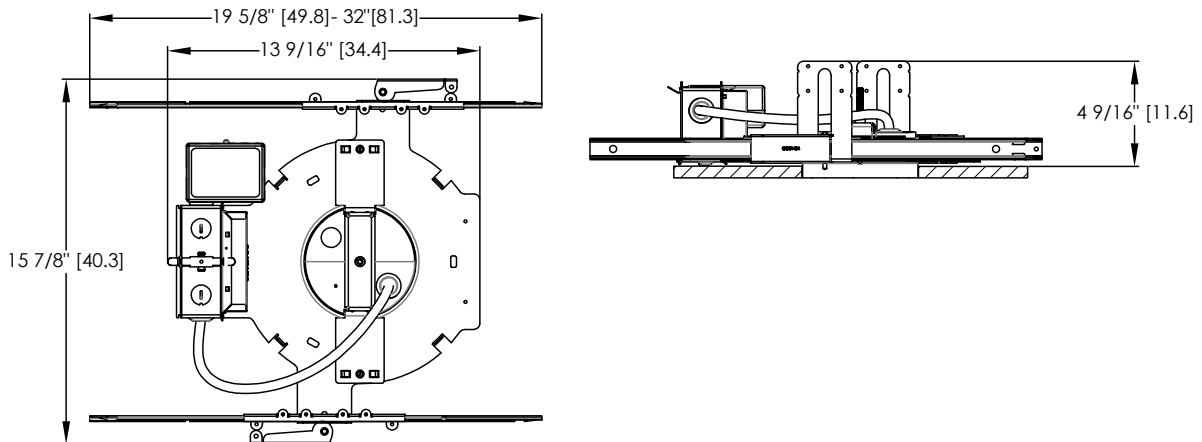
Junction box by others
(see Compatibility Table)

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]
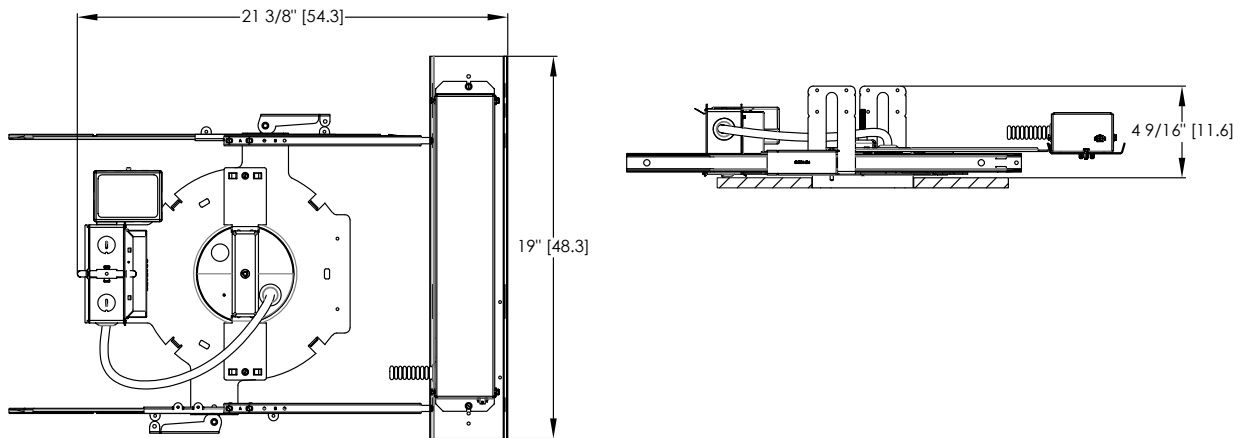
13 9/16" [34.4]

4 9/16" [11.6]

15 7/8" [40.3]

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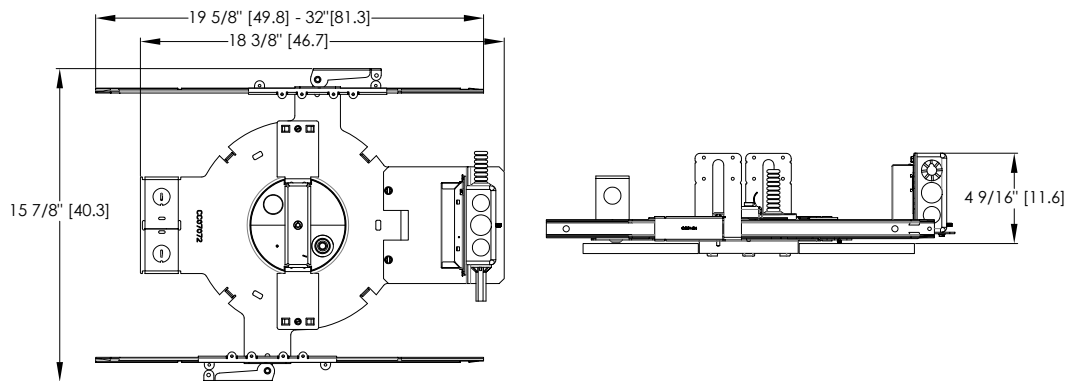## RGH with Battery Backup (E1OWCPR/E1OWCP) Standard

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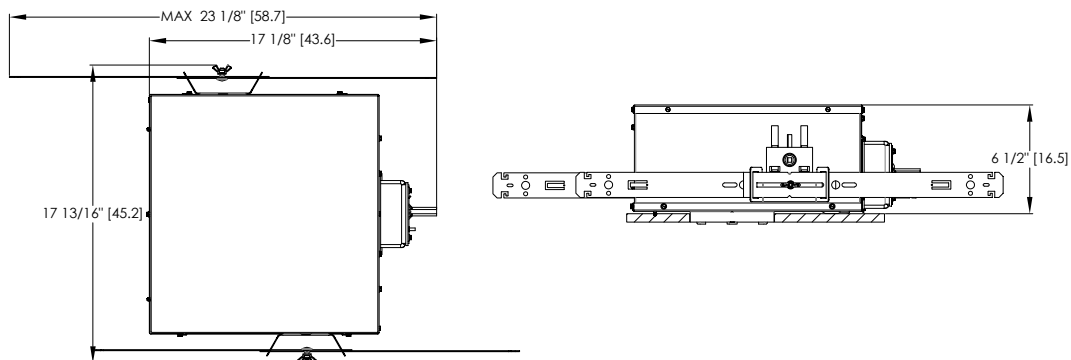
MAX 23 1/8" [58.7]
17 1/8" [43.6]

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]

![gotham logo]

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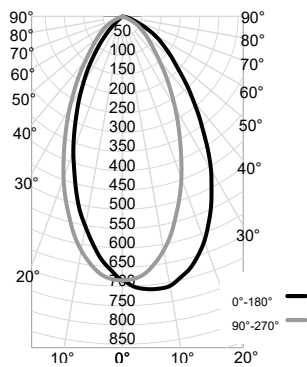
CP Summary

	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

0°-180°
90°-270°

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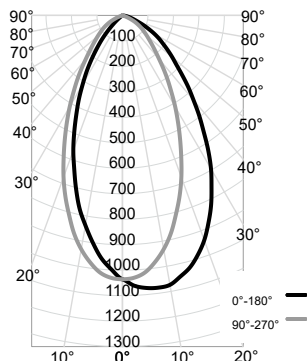
CP Summary

	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

0°-180°
90°-270°

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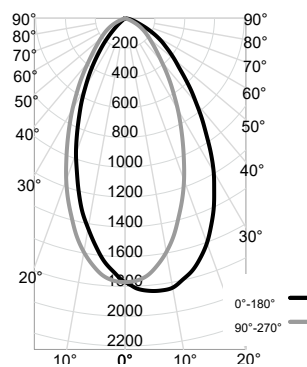
CP Summary

	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

0°-180°
90°-270°

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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.)*

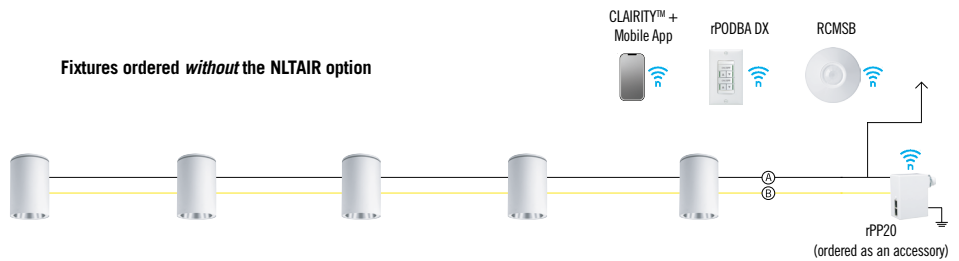| Occupancy Sensors (PIR/dual tech)	Model Number
Small motion 360°, ceiling	rCMS 9 / rCMS PDT 9
Large motion 360°, ceiling	rCMS 10 / rCMS PDT 10

UL924 Sequence of Operation

The below information applies to all nLight AIR devices with an EM option.
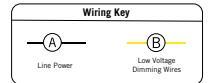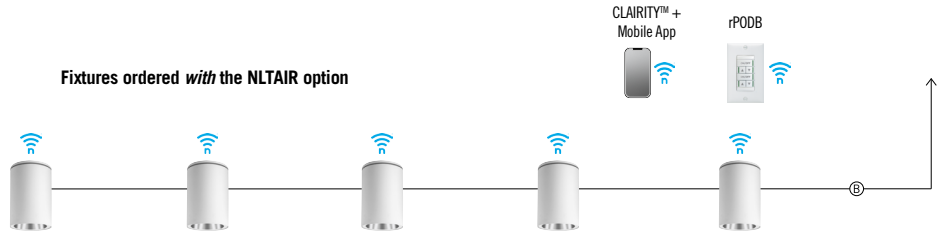
- EM devices will remain at their high-end trim and ignore wireless lighting control commands, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds.
- Using the CL**AIR**ITY+ mobile app, EM devices must be associated with a group that includes a normal power sensing device 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.

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

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)
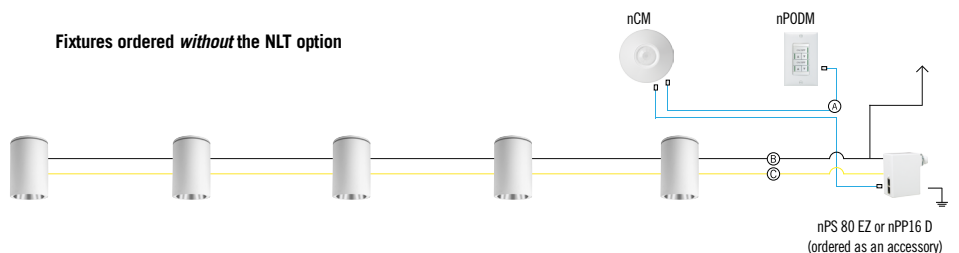
Fixtures ordered *with* the NLT option

nCM   nPODM

Wiring Key

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

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