gotham® | E V O®
Multiple Layers of Light

General Illumination Pendant Cord Cylinder | 4"

OVERVIEW

Feature Set

- Batwing distribution with feathered edges provides even illumination on horizontal and vertical surfaces
- Bounding Ray™ optical design
- 45° cutoff to source and source image
- Fully serviceable lensed LED light engine
- Fixtures are damp location standard; wet location option (WL)

- Have the cleanest of installations with a 0.29" diameter color coordinated cord. Multi-conductor ultra-pliable cord with embedded aircraft cable ensures no chance of kinks, crooked mounting, or need to tether power cord to suspension cable (patent pending).
- Multiple recessed or surface j-box mounting configurations available with cords
- 20 standard colors in textured and gloss finish; custom or RAL colors also available
- 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

medium
0.8 S:MH

medium wide
1.0 S:MH

wide
1.2 S:MH

Superior Perfomance

Nominal Lumens	250	500	750	1000	1500	2000	2500	3000	3500	4000	4500	5000
Delivered Lumens	271	573	808	1001	1527	1994	2580	3110	3612	4120	4584	5045
Wattage	3.1	7.2	7.9	8.8	13.7	19.5	25.7	31.2	38.4	35.4	40.1	44.7
Lumens per Watt	87.4	79.6	102.3	113.8	111.5	102.3	100.4	99.7	94.1	116	114	113

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

Luminaire Type: _____

Catalog Number: _____

EXAMPLE: EVO4CC 35/15 AR MWD LSS MVOLT EZ1 JBXCC CCAN C120 DWHG

Series		Color Temperature		Lumens		Reflector Color		Reflector Finish		Distribution		Voltage	
EVO4CC	EVO 4in Pendant Cord Round Cylinder Open Downlight	27/ 30/ 35/ 40/ 50/	2700 K 3000 K 3500 K 4000 K 5000 K	02 05 07 10 15 20 25 30 35 40 45 50	250 lumens 500 lumens 750 lumens 1000 lumens 1500 lumens 2000 lumens 2500 lumens 3000 lumens 3500 lumens 4000 lumens 4500 lumens 5000 lumens	AR PR WTR GR WR[1] BR[1] WRAMF[1] BZR[1] TRALTBD[1,2] TCPC[1]	Clear Pewter Wheat Gold White painted Black White Anti-microbial Dark Bronze painted Trim RAL # TBD (TBD for pricing only) Trim Custom Paint Color TBD (TBD for pricing only)	LSS LD LS	Semi-specular Matte diffuse Specular	MD MWD WD	Medium (0.8 s/mh) Medium wide (1.0 s/mh) Wide (1.2 s/mh)	MVOLT 120 277 347[3]	120V - 277V 120V 277V 347V

Driver[4]		Mounting		Canopy Type		Cord Length[11,12]	
GZ10 GZ1 EZ10 EZ1 EZB EDAB[5] EDXB[5,6,7] ECOD[5] ELV[5]	0-10V driver dims to 10% 0-10V driver dims to 1% eldoLED 0-10V ECOdrive. Linear dimming to 10% min. eldoLED 0-10V ECOdrive. Linear dimming to 1% min. eldoLED 0-10V SOLOdrive. Logarithmic dimming to <1%. eldoLED SOLOdrive DALI. Logarithmic dimming to <1%. eldoLED POWERdrive DMX with RDM (remote device management). Square Law dimming to <1%. Min: 1000LM; Max: 4000LM. Lutron® EcoSystem® digital Hi-Lume 1% soft-on, fade to black. Max: 4000LM Electronic line voltage / Forward phase / Triac dimming, 120V Only.	JBX JBXCC[8] SGB[8,16] SGBCC[8,16] RGH[9]	Integral driver, Recessed or Surface J-box Integral driver, Surface J-box with Conduit Covers Surface gear box (for driver at ceiling), Recessed or surface J-box (not wall or surface ceiling) Surface gear box (for driver at ceiling), surface J-box with Conduit Covers (not wall or surface ceiling) Recessed Gear Housing	CCAN CCAN45[10]	5° Cord canopy with "hang straight" swivel 45° Cord canopy with "hang straight" swivel	C120 C180 C240	10' Mounting Cord 15' Mounting Cord 20' Mounting Cord

Emergency Option		Control Interface[13]		Options		Architectural Colors - Powder Paint[2]			
(blank) E7WCP E10WCP E10WCPR E15WCP GTD	No emergency options IOTA® 7W Constant Power emergency battery (sidecar). Only for use with 750-5000 lumen options. 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) IOTA® 10W Constant Power, CA Title 20 compliant emergency battery pack with remote test switch. Only for use with 1000-5000 lumen options. (requires RGH) IOTA® 15W Constant Power, CA Title 20 compliant emergency battery. Only for use with 1500-5000 lumen options. (sidecar) IOTA® Generator Transfer Device. Specify 120V or 277V (requires RGH)	(blank) NLT NLTER[14] NLTAIR2 NLTAIRER2[14]	No controls nLight® dimming pack. Specify 120V or 277V nLight® dimming pack for fixtures on emergency circuit. Specify 120V or 277V nLight® AIR dimming pack. Specify 120V or 277V nLight® AIR dimming pack for fixtures on emergency circuit. Specify 120V or 277V	90CRI CP[15] HAO[16] N80[17] SF WL[18]	High CRI (90+) Chicago Plenum. Specify 120V or 277V (requires RGH) High Ambient Option (40°C) nLight Lumen Compensation Single fuse. Specify 120V or 277V. Wet Location	DWHAMF DDB DBL DWH DMB DNA DSS DGC DTG DBR DSB	Gloss White with Anti-microbial finish Gloss Dark Bronze Matte Black Gloss White Matte Medium Bronze Gloss Natural Aluminum Gloss Sandstone Gloss Charcoal Grey Gloss Tennis Green Gloss Bright Red Gloss Steel Blue	DDBT DBLB DWHG DBNH DNAT DSST DSPD DSPE DSPH RALTBD CPC	Textured Dark Bronze Textured Black Textured White Textured Bronze Textured Natural Aluminum Textured Sandstone Textured Dark Grey Textured Green Textured Light Red Cylinder RAL # TBD (TBD for pricing only) Cylinder Custom Paint Color TBD (TBD for pricing only)

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

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ORDERING INFORMATION

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.
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. Not available with 250-750 lumen packages.
8. Only available with DMX driver (EDXB).
9. Not available with E7W or E15WCP Emergency Options.
10. Not available with SGB or SGBCC: those mountings require a flat ceiling.
11. Cord can be cut in field to achieve non-uniform lengths (i.e. for a field cut 8' length, order 10' cord). Cord length is nominal: actual length is about 2" shorter.
12. Cord color is determined by cylinder color: DWHG, DWH, and DWHAMF will have white cord; DBL and DBLB will have black cord; all others will have gray cord.
13. Factory installed with RGH option otherwise field installed. Access required to location of remote mounted device.
14. 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.
15. CP not valid with NLTAIR2, NLTAIRER2 or emergency options.
16. Only available up to 2500 lumens; not available with wet location.
17. Fixture begins at 80% light level. Must be specified with NLT or NLTER. Only available with EZ10 and EZ1 drivers.
18. Not available with JBXCC, SGB, or SGBCC. or sidecar Emergency Options. Max 3000LM.

Optical Assembly

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

Optical design is a Bounding Ray™ design with 45° cutoff to source and source image. Top down flash characteristic for superior glare control.

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

Recessed gear box available for driver above ceiling, nLight, CP, 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.

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 covered ceiling optional (WL).

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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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

Distributions		
Nomenclature	Beam Angle	Field Angle
MD	54	82
MWD	67	89
WD	71	92

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

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

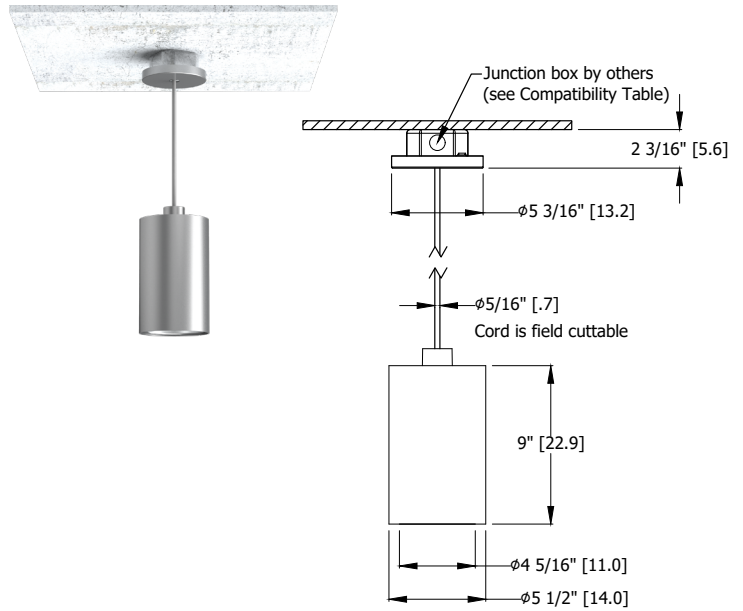| DBLB	P75	DWH	P21	DWHG	P86
TEXTURED Black		LITHONIA White		TEXTURED White	

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.

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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]

⌀5/16" [.7]
Cord is field cuttable

9" [22.9]

⌀4 5/16" [11.0]
⌀5 1/2" [14.0]

JBX Surface J-Box

Junction box by others (see Compatibility Table)

2 3/16" [5.6]

⌀5 3/16" [13.2]

⌀5/16" [.7]
Cord is field cuttable

9" [22.9]

⌀4 5/16" [11.0]
⌀5 1/2" [14.0]

JBXCC Surface J-Box with Conduit Covers

Junction box by others (see Compatibility Table)

2 5/16" [5.8]

⌀5 1/2" [14.0]

⌀5/16" [.7]
Cord is field cuttable

9" [22.9]

⌀4 5/16" [11.0]
⌀5 1/2" [14.0]
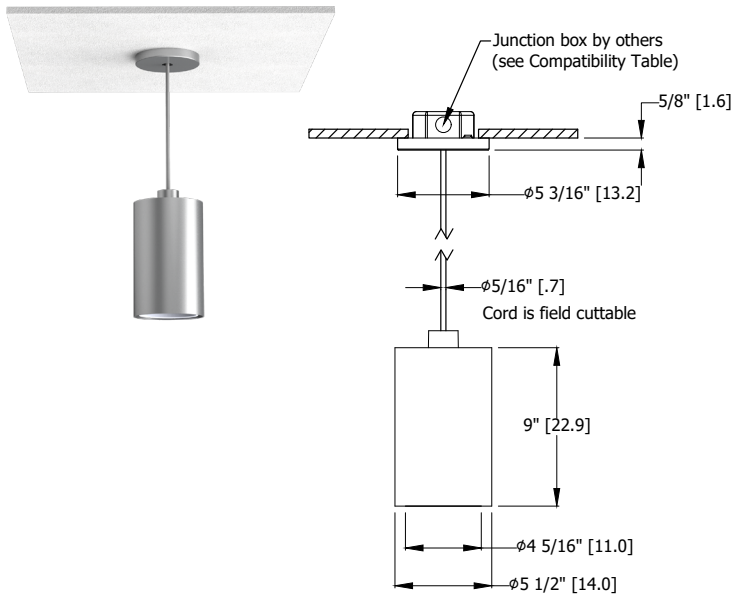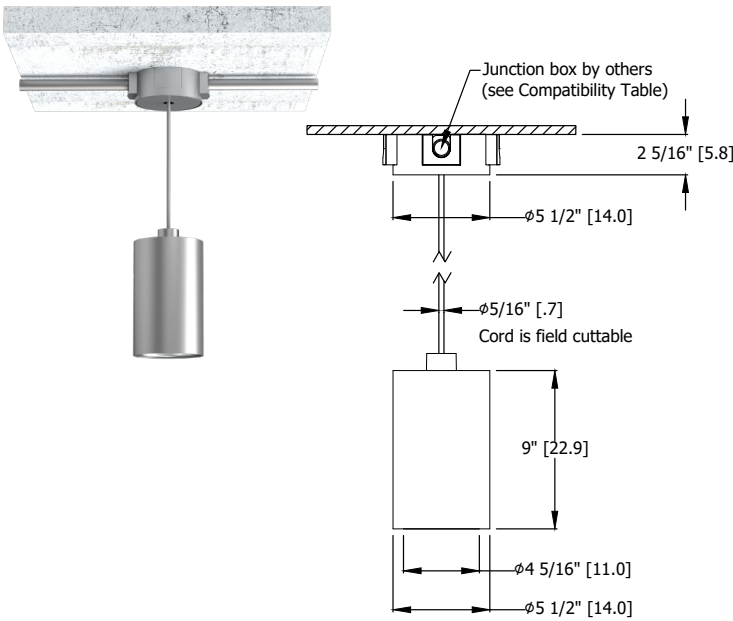
Canopy Covers for Flat or Sloped Ceilings

Pendant Hang
Straight Mech.
CCAN

Pendant Slope
Ceiling Mech.
CCAN45

*Dimensions in inches [centimeters]

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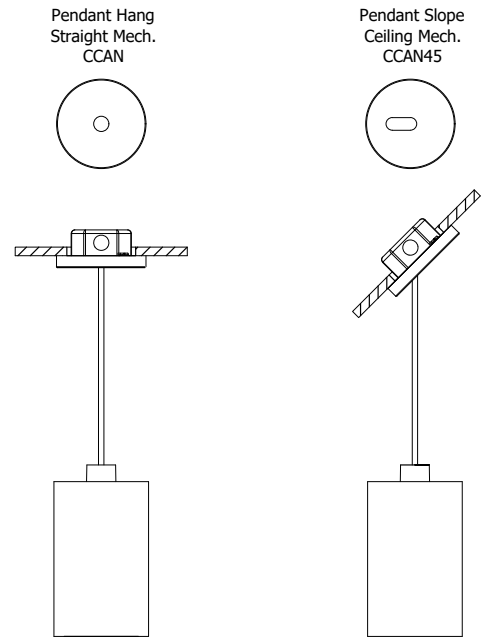
DIMENSIONAL DATA

Stem Cutting Formulas for JBX

Mounting Plane (J-Box)

Ⓑ Mounting Height (in)

Bottom of Cylinder

Ⓐ Fixture Height (in)

Desired illuminating surface

Cord Length = Ⓑ - Ⓐ - 4"
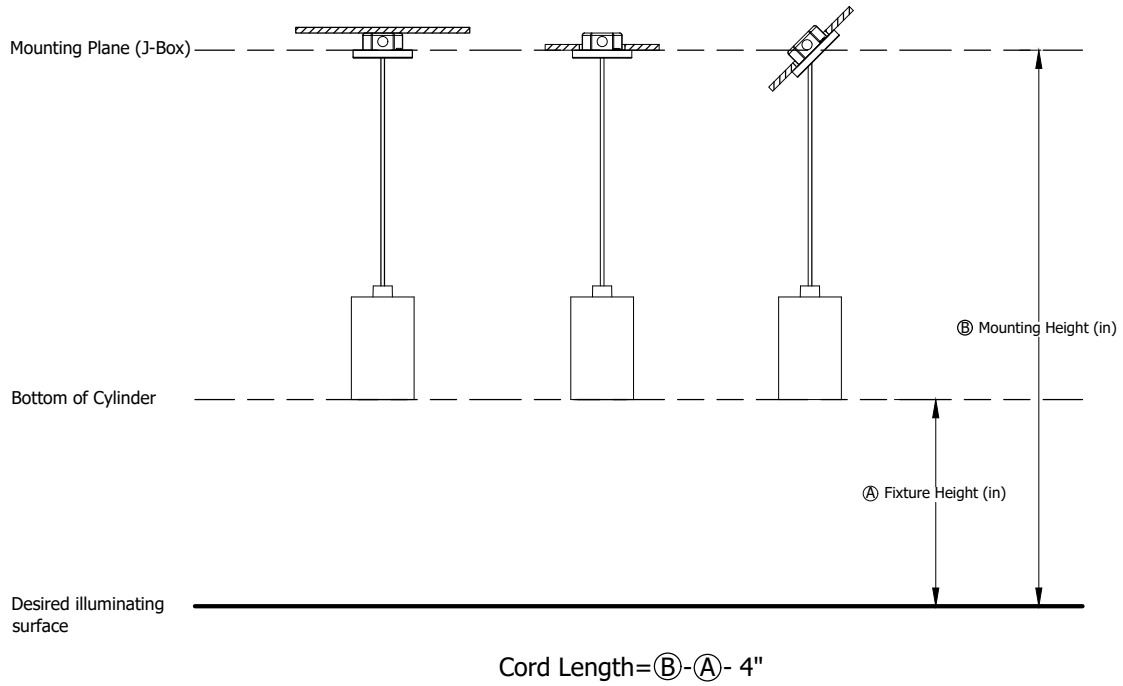
Conduit Feed Examples and Keys

3/4" [1.9]
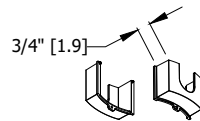
Conduit Key
(4) provided with each,
for use with 1/2" or 3/4" conduit
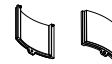
Blank Key
(4) provided with each
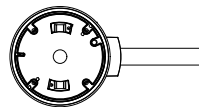
Single Conduit Feed
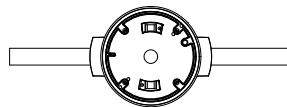
Double 180° conduit
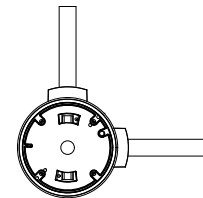
Double 90° conduit
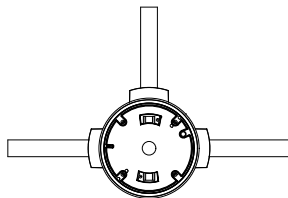
Triple 0°, 90° & 180° conduit
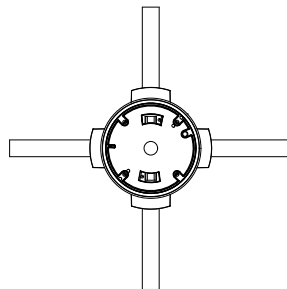
Quad 0°, 90°, 180°, & 270° conduit

Top conduit feed

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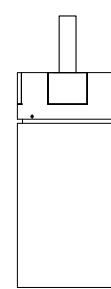
SGB Surface Gear Box for EDXB_Recessed J-Box

Junction box by others
(see Compatibility Table)

4 15/16" [12.5]

⌀5 1/2" [14.0]

⌀5/16" [.7]
Cord is field cuttable

9" [22.9]

⌀4 5/16" [11.0]
⌀5 1/2" [14.0]
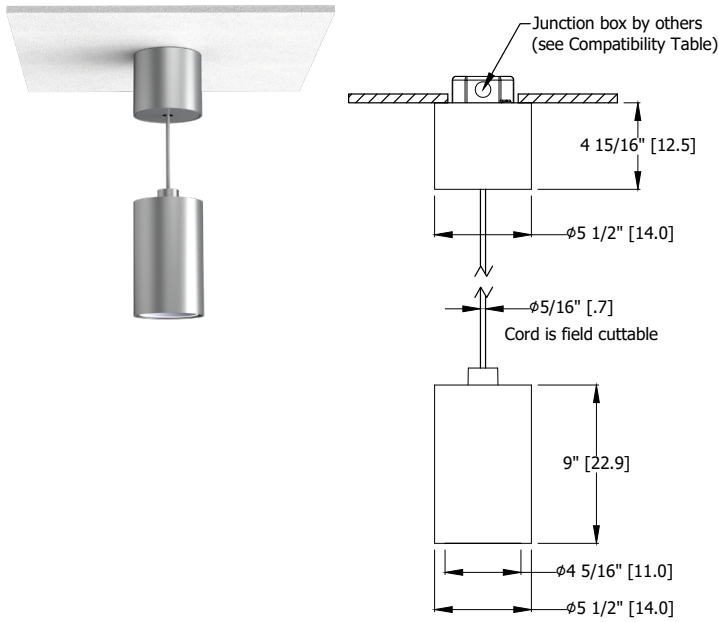
SGB Surface Gear Box for EDXB Surface

Junction box by others
(see Compatibility Table)

4 15/16" [12.5]

⌀5 1/2" [14.0]

⌀5/16" [.7]
Cord is field cuttable

9" [22.9]

⌀4 5/16" [11.0]
⌀5 1/2" [14.0]
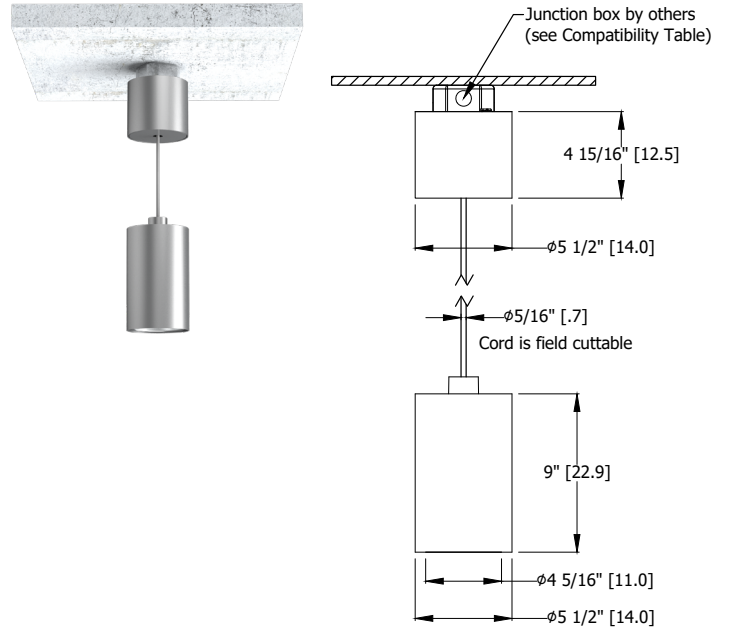
SGBCC Surface Gear Box for EDXB with Conduit Covers
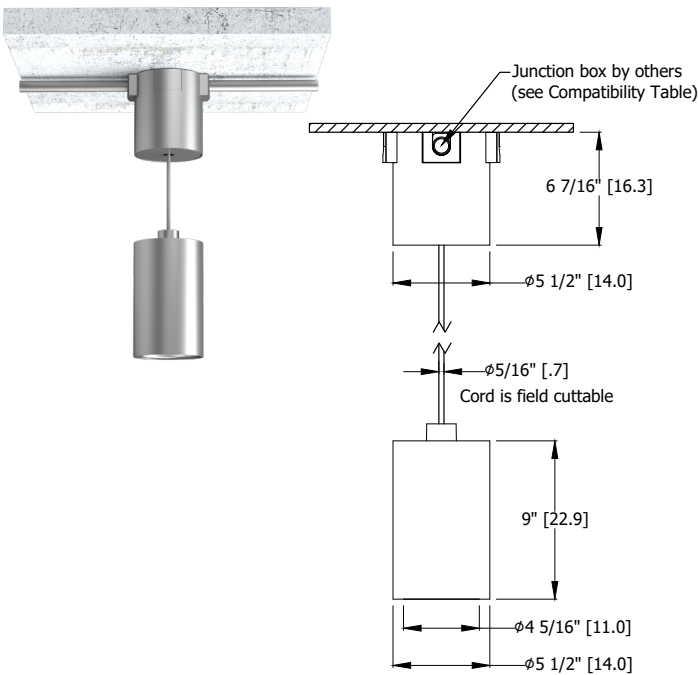
Junction box by others
(see Compatibility Table)

6 7/16" [16.3]

⌀5 1/2" [14.0]

⌀5/16" [.7]
Cord is field cuttable

9" [22.9]

⌀4 5/16" [11.0]
⌀5 1/2" [14.0]

*Dimensions in inches [centimeters]

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Cutting Formulas for SGB

Mounting Plane (J-Box)

Ⓑ Mounting Height (in)

Bottom of Cylinder

Ⓐ Fixture Height (in)

Desired illuminating surface

Cord Length = Ⓑ - Ⓐ - 8"
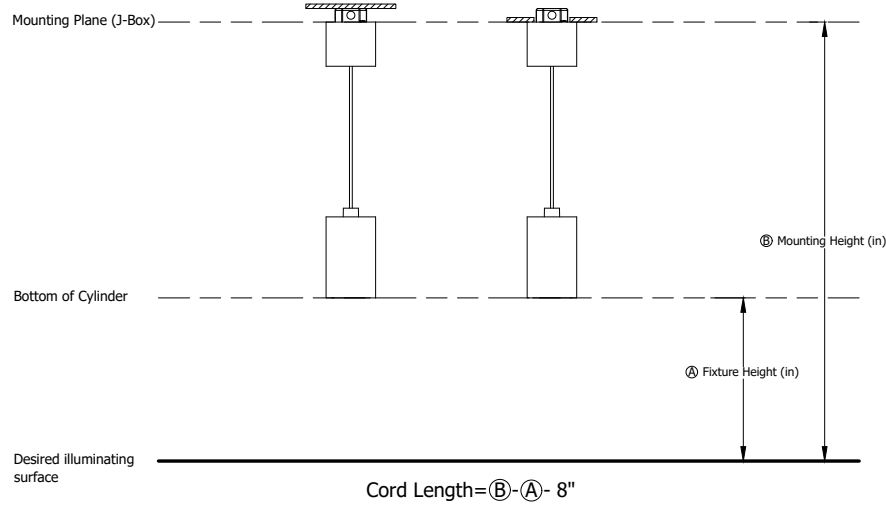
Junction Box Dimensions (by others)

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]
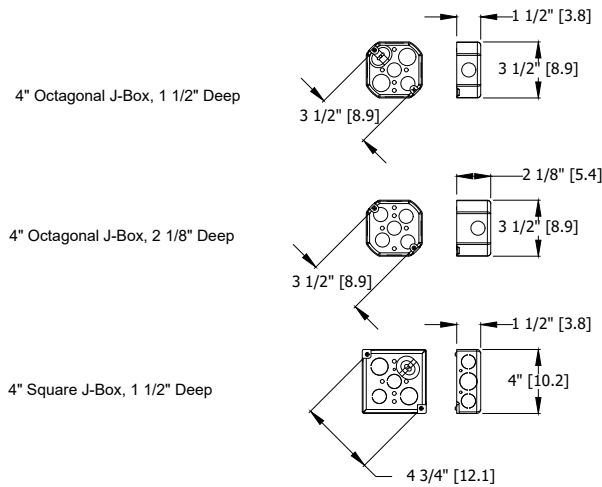
Emergency Battery Sidecar Dimensions

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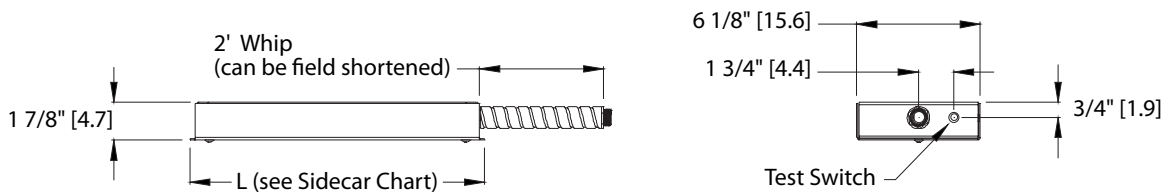
SIDECAR BATTERY OPTION	LUMEN PACKAGES AVAILABLE	L (SIDECAR LENGTH)
E7WCP	750LM AND GREATER EXCEPT AS NOTED BELOW	14"
	6000-8000LM 5000-8000LM WITH ECOD DRIVER	16"
E10WCP	1000LM AND GREATER EXCEPT AS NOTED BELOW	14"
	6000-8000LM 5000-8000LM WITH ECOD DRIVER	16"
E15WCP	1500LM AND GREATER	16"

*Dimensions in inches [centimeters]

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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 5/16" [.7]
Cord is field cuttable

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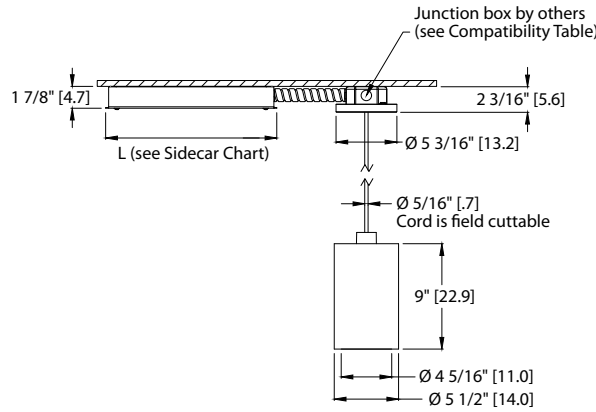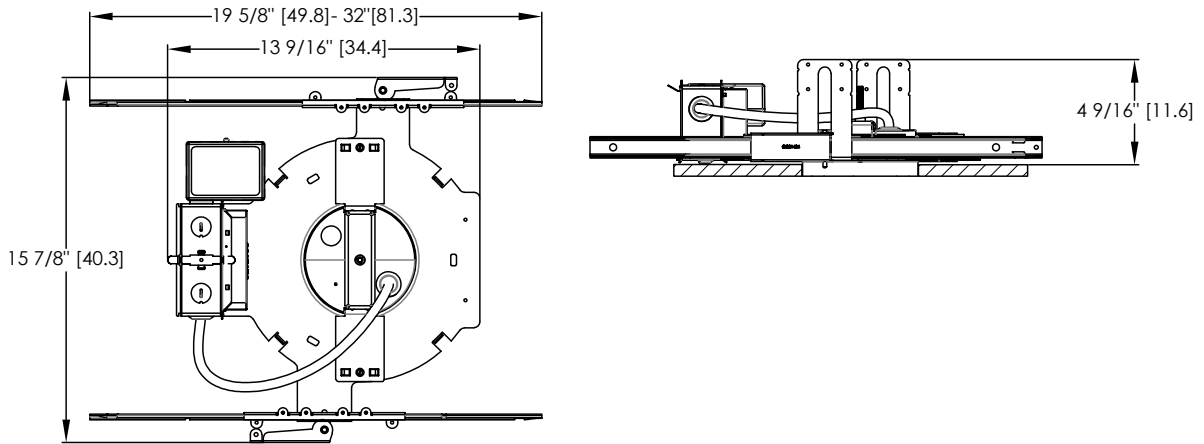
Ceiling thickness range: 1/2"[1.3] to 3"[7.6]
Ceiling cutout: 5 1/16"[12.9]

RGH with Battery Backup (E10WCPR/E10WCP) Standard

21 3/8" [54.3]

4 9/16" [11.6]

19" [48.3]
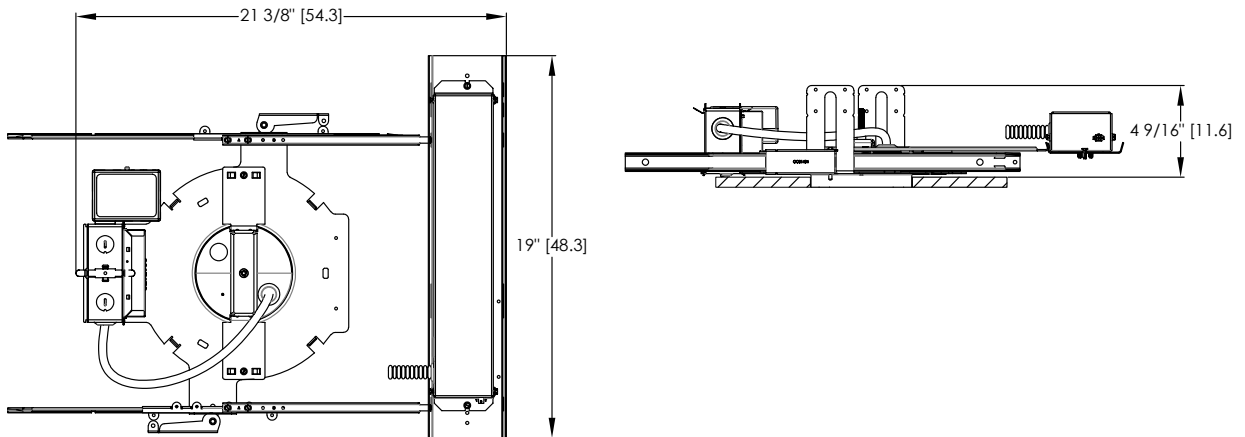
With Emergency Battery or GTD option

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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DIMENSIONAL DATA

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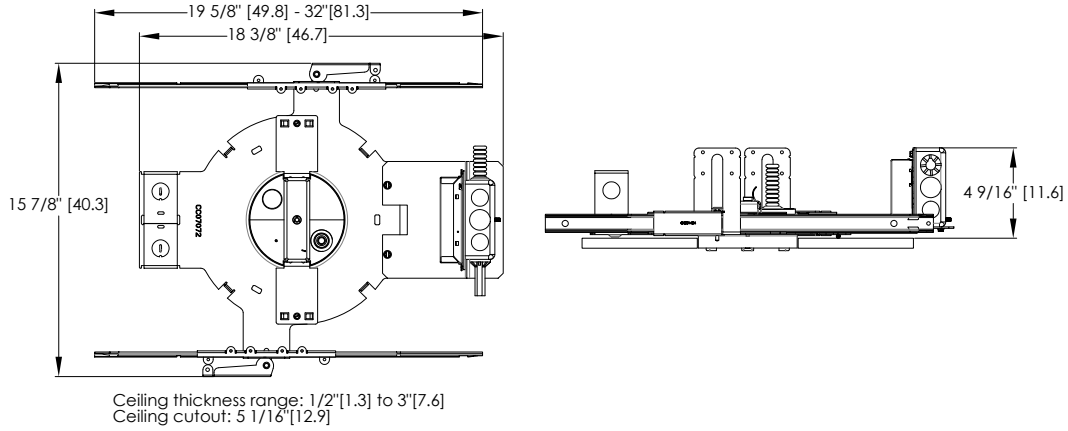
RGH with Chicago Plenum (CP) for use with nLight Enclosed

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]
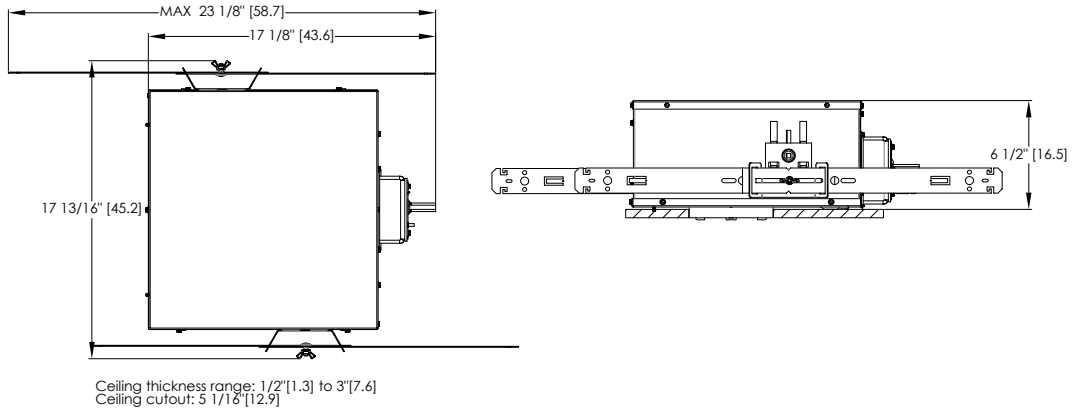
*Dimensions in inches [centimeters]

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Photometry

CONSULT WWW.GOTHAMLIGHTING.COM FOR ADDITIONAL PHOTOMETRY.

EVO4CC 35/10 MWD LS INPUT WATTS: 8.8W, DELIVERED LUMENS: 1001.7LM, LPW = 113.8, 1.08 S/MH, TEST NO. LTL27786P131

	Ave	Lumens
0	856	
5	888	87
15	1010	280
25	775	350
35	363	225
45	61	56
55	2	2
65	1	1
75	0	0
85	0	0
90	0	

Zone	Lumens	% Lamp
0° - 30°	717.4	71.6
0° - 40°	942.0	94.0
0° - 60°	1000.8	99.9
0° - 90°	1001.7	100.0
90° - 180°	0.0	0.0
0° - 180°	1001.7	*100.0
	*Efficiency	

pf									
pc		80%			20% 70%			50%	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	111	108	106	109	106	104	105	103	101
2	103	99	96	101	98	95	98	95	93
3	96	91	87	95	90	87	92	88	85
4	90	84	80	89	84	80	87	82	79
5	84	78	74	83	78	74	81	77	73
6	79	73	69	78	72	68	76	72	68
7	74	68	64	73	68	64	72	67	63
8	70	64	59	69	63	59	68	63	59
9	66	60	56	65	59	56	64	59	55
10	62	56	52	61	56	52	61	56	52

			50% beam - 56.7°		10% beam - 79.7°	
Mounting Height	Inital FC Center Beam	Diameter	FC	Diameter	FC	
8.0	28.3	5.9	14.1	9.2	2.8	
10.0	15.2	8.1	7.6	12.5	1.5	
12.0	9.5	10.3	4.7	15.9	0.9	
14.0	6.5	12.4	3.2	19.2	0.6	
16.0	4.7	14.6	2.3	22.5	0.5	

EVO4CC 35/15 MWD LSS INPUT WATTS: 13.7W, DELIVERED LUMENS: 1527.3LM, LPW = 111.4, 1.08 S/MH, TEST NO. LTL27786P137

	Ave	Lumens
0	1305	
5	1354	133
15	1539	428
25	1181	533
35	553	342
45	93	86
55	2	4
65	1	1
75	0	0
85	0	0
90	0	

Zone	Lumens	% Lamp
0° - 30°	1093.9	71.6
0° - 40°	1436.2	94.0
0° - 60°	1525.8	99.9
0° - 90°	1527.3	100.0
90° - 180°	0.0	0.0
0° - 180°	1527.3	*100.0
	*Efficiency	

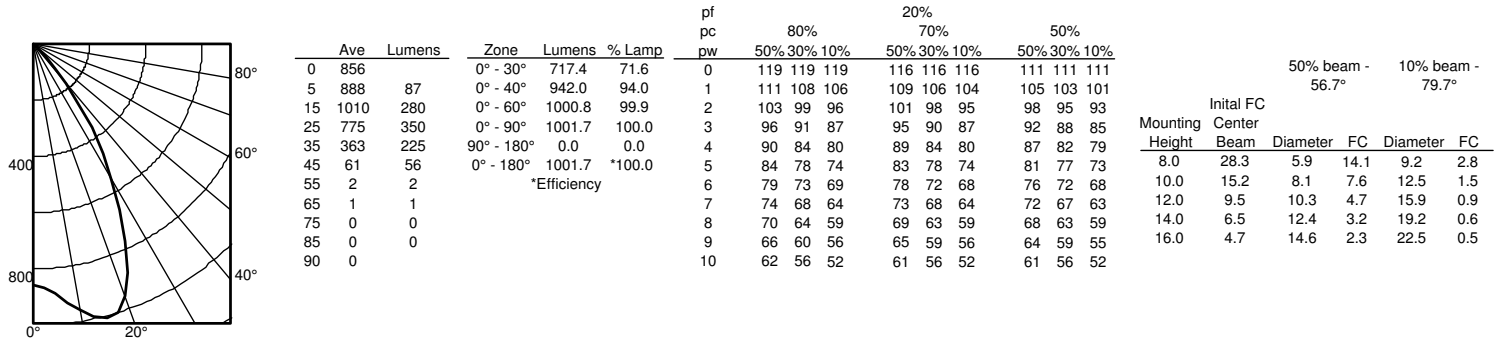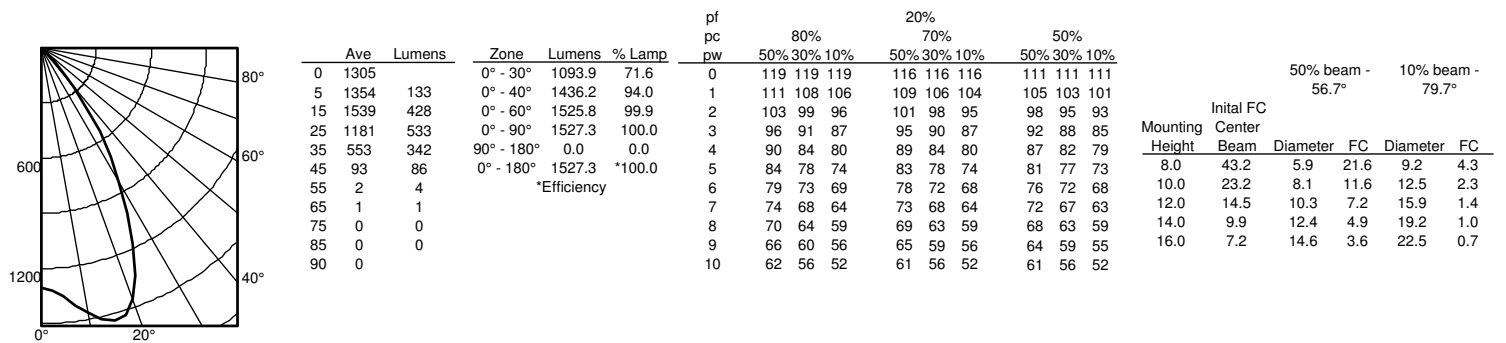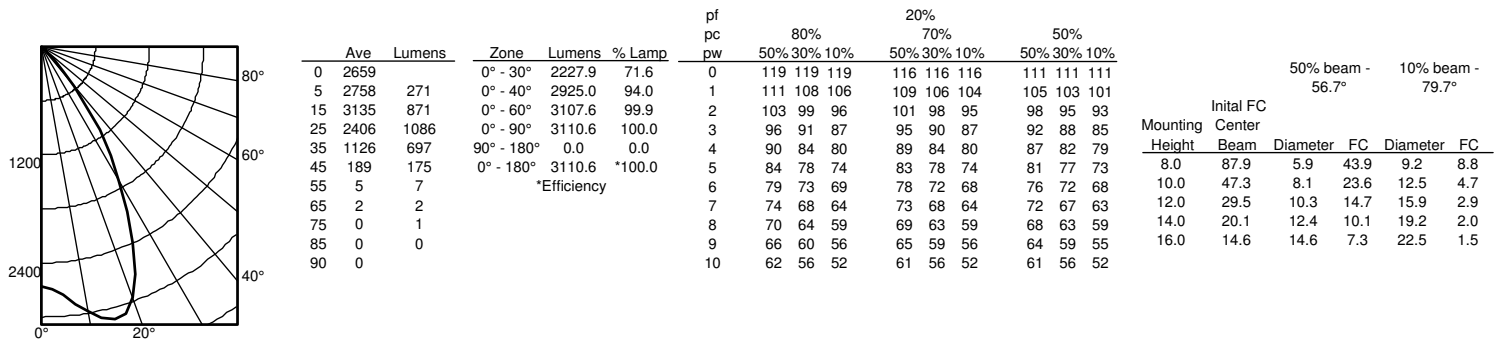| pf									
pc		80%			20% 70%			50%	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	111	108	106	109	106	104	105	103	101
2	103	99	96	101	98	95	98	95	93
3	96	91	87	95	90	87	92	88	85
4	90	84	80	89	84	80	87	82	79
5	84	78	74	83	78	74	81	77	73
6	79	73	69	78	72	68	76	72	68
7	74	68	64	73	68	64	72	67	63
8	70	64	59	69	63	59	68	63	59
9	66	60	56	65	59	56	64	59	55
10	62	56	52	61	56	52	61	56	52

			50% beam - 56.7°		10% beam - 79.7°	
Mounting Height	Inital FC Center Beam	Diameter	FC	Diameter	FC	
8.0	43.2	5.9	21.6	9.2	4.3	
10.0	23.2	8.1	11.6	12.5	2.3	
12.0	14.5	10.3	7.2	15.9	1.4	
14.0	9.9	12.4	4.9	19.2	1.0	
16.0	7.2	14.6	3.6	22.5	0.7	

EVO4CC 35/30 MWD LSS INPUT WATTS: 31.2W, DELIVERED LUMENS: 3110.6LM, LPW = 99.6, 1.08 S/MH, TEST NO. LTL27786P155

	Ave	Lumens
0	2659	
5	2758	271
15	3135	871
25	2406	1086
35	1126	697
45	189	175
55	5	7
65	2	2
75	0	1
85	0	0
90	0	

Zone	Lumens	% Lamp
0° - 30°	2227.9	71.6
0° - 40°	2925.0	94.0
0° - 60°	3107.6	99.9
0° - 90°	3110.6	100.0
90° - 180°	0.0	0.0
0° - 180°	3110.6	*100.0
	*Efficiency	

pf									
pc		80%			20% 70%			50%	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	111	108	106	109	106	104	105	103	101
2	103	99	96	101	98	95	98	95	93
3	96	91	87	95	90	87	92	88	85
4	90	84	80	89	84	80	87	82	79
5	84	78	74	83	78	74	81	77	73
6	79	73	69	78	72	68	76	72	68
7	74	68	64	73	68	64	72	67	63
8	70	64	59	69	63	59	68	63	59
9	66	60	56	65	59	56	64	59	55
10	62	56	52	61	56	52	61	56	52

			50% beam - 56.7°		10% beam - 79.7°	
Mounting Height	Inital FC Center Beam	Diameter	FC	Diameter	FC	
8.0	87.9	5.9	43.9	9.2	8.8	
10.0	47.3	8.1	23.6	12.5	4.7	
12.0	29.5	10.3	14.7	15.9	2.9	
14.0	20.1	12.4	10.1	19.2	2.0	
16.0	14.6	14.6	7.3	22.5	1.5	

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.

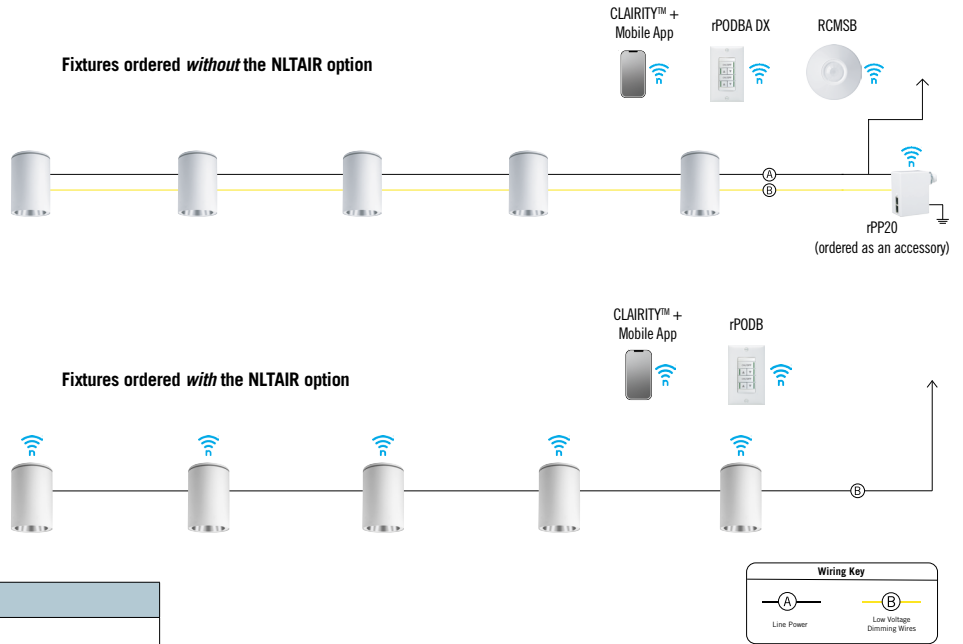| Wall Switches	Model Number
On/Off single pole	rPODB (color) G2
On/Off two pole	rPODB 2P (color) G2
On/Off & raise/lower single pole	rPODB DX (color) G2
On/Off & raise/lower two pole	rPODB 2P DX (color) G2

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

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

(A) Line Power   (B) 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

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

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