gotham® | INCITO™
Multiple Layers of Light

Luminaire Type: _____

Catalog Number: _____

BAA | BABA | LOW UGR
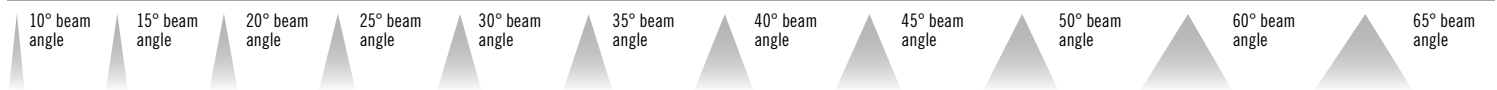

High Center Beam Pendant Cord Cylinder | 4"

Feature Set

- Eleven optimized distribution patterns allow designers to achieve tailored objectives
- 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

10° beam angle	15° beam angle	20° beam angle	25° beam angle	30° beam angle	35° beam angle	40° beam angle	45° beam angle	50° beam angle	60° beam angle	65° beam angle

Superior Perfomance

Nominal Lumens	500	700	1000	1200	1500	2000	2500	3000	3500	4000	4500	5000
Delivered	703	807	1062	1326	1545	1977	2419	2920	3548	3982	4419	4848
Wattage	6.7	7.5	9.8	12.2	15.1	21.5	26.5	34.1	33.8	39.5	46.2	53.2
Efficacy	104	108	108	108	102	92	91	86	105	101	96	91

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

ORDERING INFORMATION

Luminaire Type: _____

Catalog Number: _____

EXAMPLE: ICO4CC 35/15 AR LSS 35D MVOLT EZ1 JBXCC CCAN C120 DWHG

Series		Color Temperature		Lumens		Reflector Color		Reflector Finish		Beam		Voltage	
ICO4CC	Incito 4in Pendant Cord Round Cylinder Open Downlight	27/	2700 K	05	500 lumens	AR	Clear	LSS	Semi-specular	10D[3]	10º beam angle	MVOLT	120V - 277V
		30/	3000 K	07	750 lumens	PR	Pewter	LD	Matte diffuse	15D	15° beam angle	120	120V
		35/	3500 K	10	1000 lumens	WTR	Wheat	LS	Specular	20D	20° beam angle	277	277V
		40/	4000 K	15	1500 lumens	GR	Gold			25D	25° beam angle	347[4]	347V
		50/	5000 K	20	2000 lumens	WR[1]	White painted			30D	30° beam angle		
				25	2500 lumens	BR[1]	Black			35D	35° beam angle		
				30	3000 lumens	WRAMF[1]	White Anti-microbial			40D	40° beam angle		
				35	3500 lumens	BZR[1]	Dark Bronze painted			45D	45° beam angle		
				40	4000 lumens	TRALTBD[1,2]	Trim RAL # TBD (TBD for pricing only)			50D	50° beam angle		
				45	4500 lumens	TCPC[1,2]	Trim Custom Paint Color TBD (TBD for pricing only)			60D	60º beam angle		
				50	5000 lumens					65D	65º beam angle		

Driver[5]		Mounting		Canopy Type		Cord Length[12,13]	
GZ10	0-10V driver dims to 10%	JBX	Integral driver, Recessed or Surface J-box	CCAN	5° Cord canopy with "hang straight" swivel	C120	10' Mounting Cord
GZ1	0-10V driver dims to 1%	JBXCC	Integral driver, Surface J-box with Conduit Covers	CCAN45[11]	45° Cord canopy with "hang straight" swivel	C180	15' Mounting Cord
EZ10	eldoLED 0-10V ECOdrive. Linear dimming to 10% min.	SGB[9]	Surface gear box (for driver at ceiling), Recessed or surface J-box (not wall or surface ceiling)			C240	20' Mounting Cord
EZ1	eldoLED 0-10V ECOdrive. Linear dimming to 1% min.						
EZB	eldoLED 0-10V SOLOdrive. Logarithmic dimming to <1%.						
EDAB[6]	eldoLED SOLOdrive DALI. Logarithmic dimming to <1%.	SGBCC[9]	Surface gear box (for driver at ceiling), surface J-box with Conduit Covers (not wall or surface ceiling)				
EDXB[6,7,8]	eldoLED POWERdrive DMX with RDM (remote device management). Square Law dimming to <1%. Min: 1000LM; Max: 4000LM						
ECOS2[6]	Lutron® Hi-Lume® 2-wire forward-phase driver. 120V Only. Minimum dimming level 1%. Min: 1000LM; Max: 2000LM.	RGH[10]	Recessed Gear Housing				
ECOD[6]	Lutron® EcoSystem® digital Hi-Lume 1% soft-on, fade to black. Max: 4000LM.						
ELV[6]	Electronic line voltage/Forward phase/Triac dimming. 120V only.						

Emergency Option		Control Interface[14]		Options		Architectural Colors - Powder Paint[2]			
(blank)	No emergency options	(blank)	No controls	90CRI	High CRI (90+)	DWHAMF	Gloss White with Anti-microbial finish	DDBT	Textured Dark Bronze
E7WCP	IOTA® 7W Constant Power emergency battery (sidecar). Only for use with 750-3000 lumen options. Not available with 1500 & 2000 lumen options.	NLT	nLight® dimming pack. Specify 120V or 277V	CP[16]	Chicago Plenum. Specify 120V or 277V (requires RGH)	DDB	Gloss Dark Bronze	DBLB	Textured Black
		NLTER[15]	nLight® dimming pack for fixtures on emergency circuit. Specify 120V or 277V	HAO[17]	High Ambient Option (40°C)	DBL	Matte Black	DWHG	Textured White
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)			N80[18]	nLight Lumen Compensation	DWH	Gloss White	DBNH	Textured Bronze
		NLTAIR2	nLight® AIR dimming pack. Specify 120V or 277V	SF	Single fuse. Specify 120V or 277V.	DMB	Matte Medium Bronze	DNAT	Textured Natural Aluminum
E10WCPR	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)	NLTAIRER2[15]	nLight® AIR dimming pack for fixtures on emergency circuit. Specify 120V or 277V	WL[19]	Wet Location	DNA	Gloss Natural Aluminum	DSST	Textured Sandstone
						DSS	Gloss Sandstone	DSPD	Textured Dark Grey
E15WCP	IOTA® 15W Constant Power, CA Title 20 compliant emergency battery. Only for use with 1500-5000 lumen options. (sidecar)					DGC	Gloss Charcoal Grey	DSPE	Textured Green
						DTG	Gloss Tennis Green	DSPH	Textured Light Red
GTD	IOTA® Generator Transfer Device. Specify 120V or 277V (requires RGH)					DBR	Gloss Bright Red	RALTBD	Cylinder RAL # TBD (TBD for pricing only)
						DSB	Gloss Steel Blue	CPC	Cylinder Custom Paint Color TBD (TBD for pricing only)

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ORDERING INFORMATION

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

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. Only available 1500lm and below.
4. Factory supplied step down transformer must be remote mounted. Access required to location of remote mounted device.
5. Refer to Tech 240 for compatible dimmers.
6. Not Available with Control Interfaces.
7. Requires SGB or SGBCC mounting option.
8. Includes terminator resistor. Not available with 250-750 lumen packages.
9. Only available with DMX driver (EDXB).
10. Not available with E7W or E15WCP Emergency Options.
11. Not available with SGB or SGBCC: those mountings require a flat ceiling.

12. 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.
13. 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.
14. Factory installed with RGH option otherwise field installed. Access required to location of remote mounted device.
15. 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.
16. CP not available with NLTAIR2, NLTAIRER2 or E10WCPR options.
17. Only available up to 2500 lumens; not available with wet location.
18. Fixture begins at 80% light level. Must be specified with NLT or NLTER. Only available with EZ10 and EZ1 drivers.
19. Not available with JBXCC, SGB, or SGBCC. Max: 2500LM.

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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, 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.

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.

ICO4CC
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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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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

		Control Provided (note: 347V/UVOLT versions provided with 347 option selected)			
Driver					
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 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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DIMENSIONAL DATA

JBX Recessed J-Box

Junction box by others
(see Compatibility Table)

5/8" [1.6]

φ5 3/16" [13.2]

φ5/16" [.7]
Cord is field cuttable

9" [22.9]

φ4 5/16" [11.0]
φ5 1/2" [14.0]

JBX Surface J-Box

Junction box by others
(see Compatibility Table)

2 3/16" [5.6]

φ5 3/16" [13.2]

φ5/16" [.7]
Cord is field cuttable

9" [22.9]

φ4 5/16" [11.0]
φ5 1/2" [14.0]

JBXCC Surface J-Box with Conduit Covers

Junction box by others
(see Compatibility Table)

2 5/16" [5.8]

φ5 1/2" [14.0]

φ5/16" [.7]
Cord is field cuttable

9" [22.9]

φ4 5/16" [11.0]
φ5 1/2" [14.0]
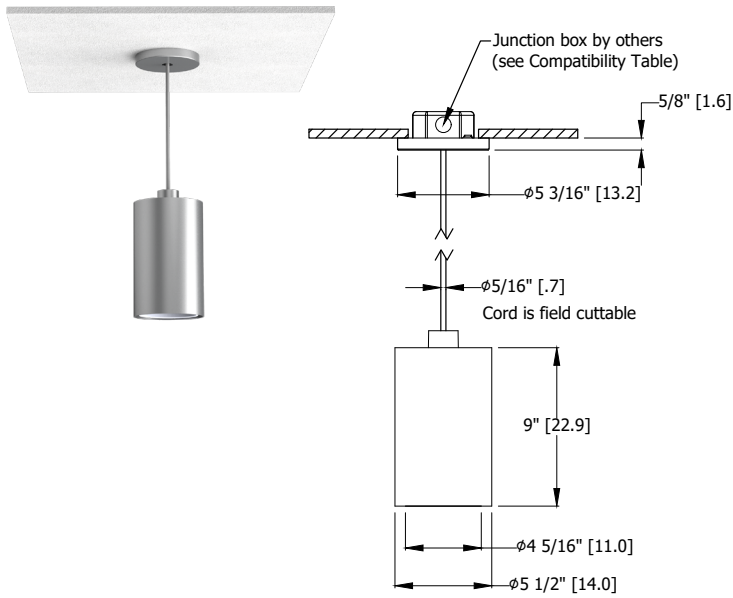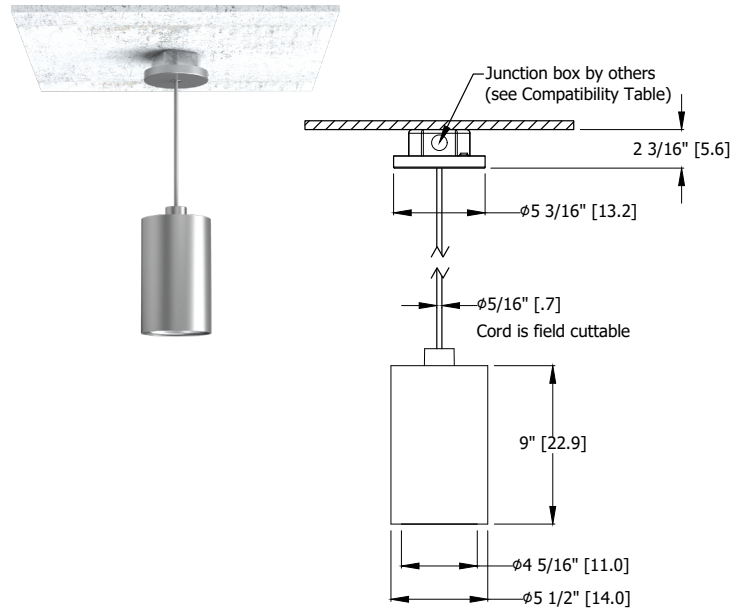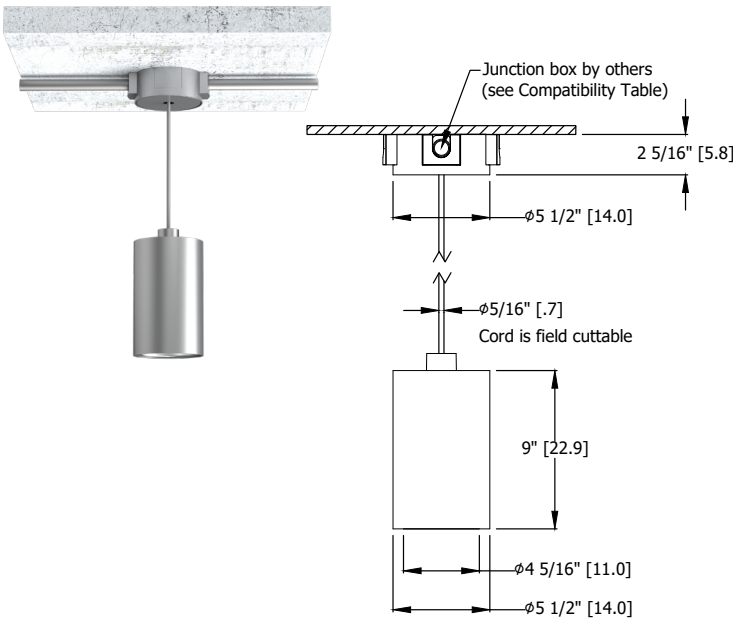
Canopy Covers for Flat or Sloped Ceilings

Pendant Hang
Straight Mech.
CCAN

Pendant Slope
Ceiling Mech.
CCAN45

*Dimensions in inches [centimeters]

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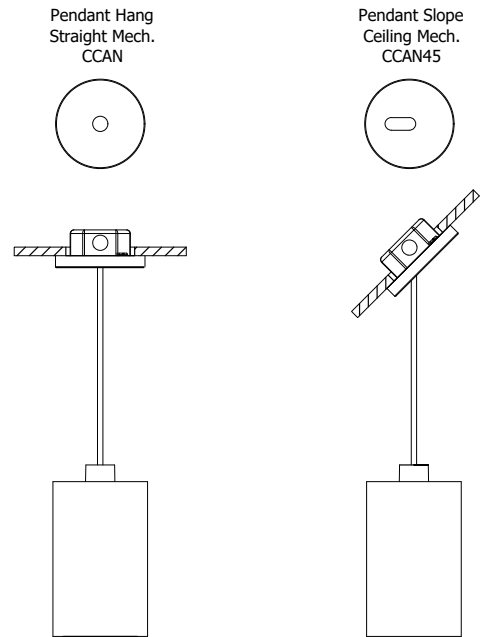
DIMENSIONAL DATA

Stem Cutting Formulas for JBX

Mounting Plane (J-Box)

Ⓑ Mounting Height (in)

Bottom of Cylinder

Ⓐ Fixture Height (in)

Desired illuminating surface

$$\text{Cord Length} = Ⓑ - Ⓐ - 4"$$
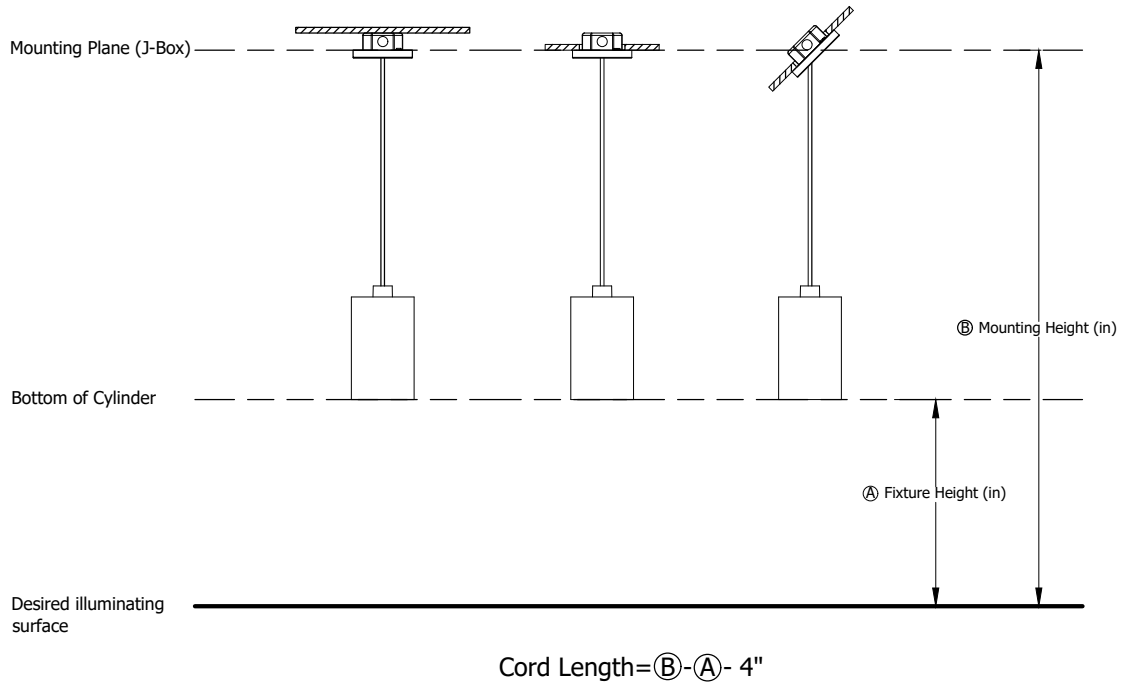
Conduit Feed Examples and Keys

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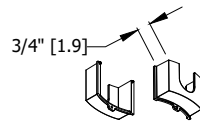
Conduit Key
(4) provided with each,
for use with 1/2" or 3/4" conduit
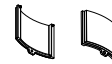
Blank Key
(4) provided with each
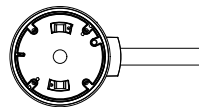
Single Conduit Feed
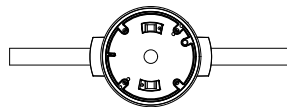
Double 180° conduit
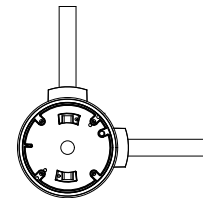
Double 90°conduit
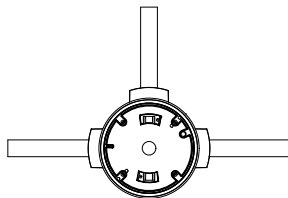
Triple 0°, 90° & 180° conduit
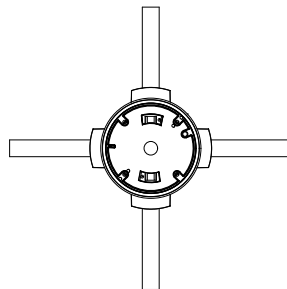
Quad 0°, 90°, 180°, & 270° conduit
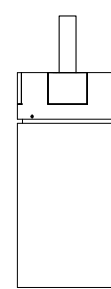
Top conduit feed
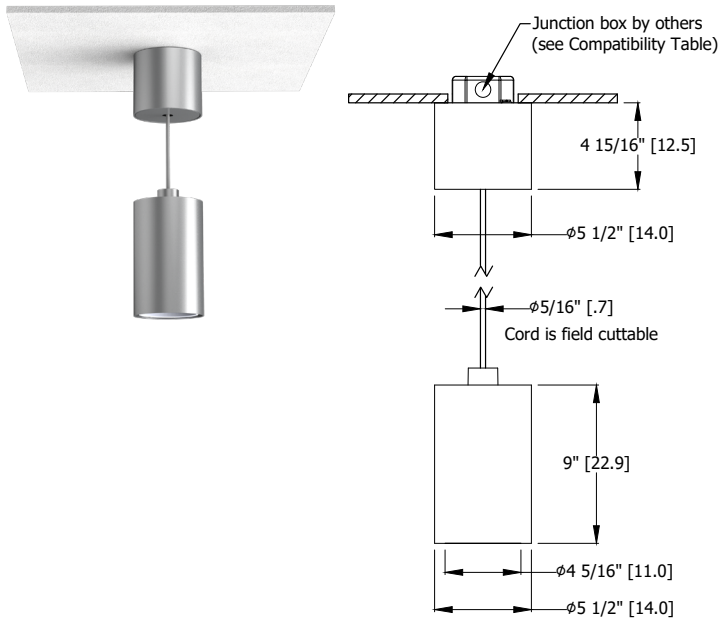
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Cutting Formulas for SGB

Mounting Plane (J-Box)

Ⓑ Mounting Height (in)

Bottom of Cylinder

Ⓐ Fixture Height (in)

Desired illuminating surface

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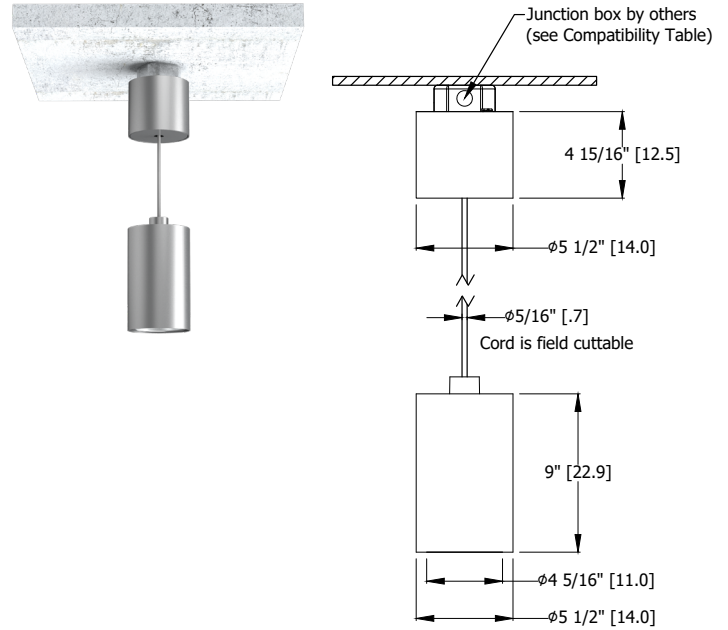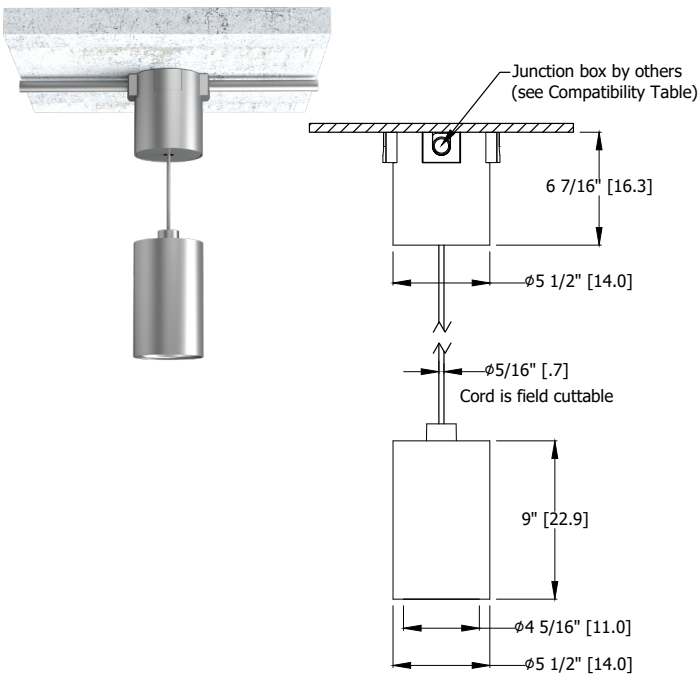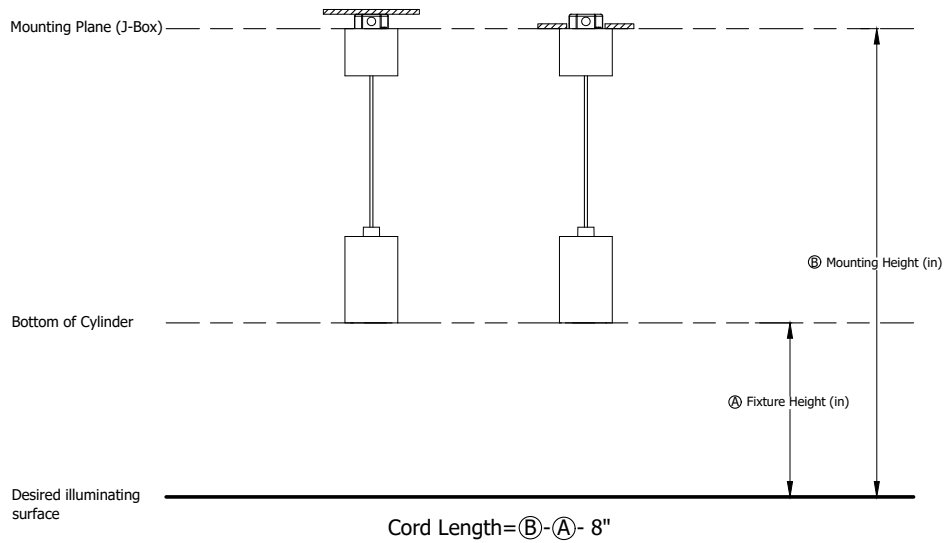
Junction Box Dimensions (by others)

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]
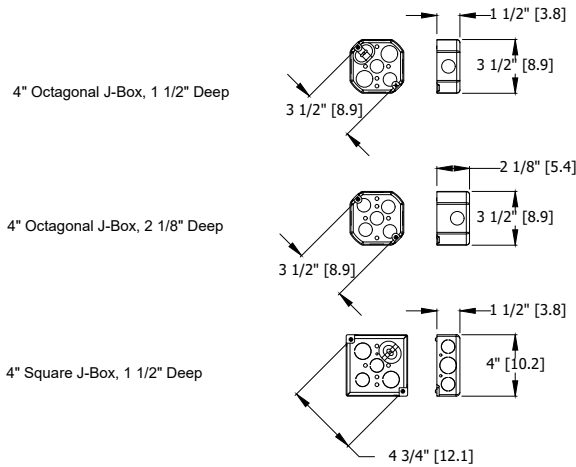
Emergency Battery Sidecar Dimensions

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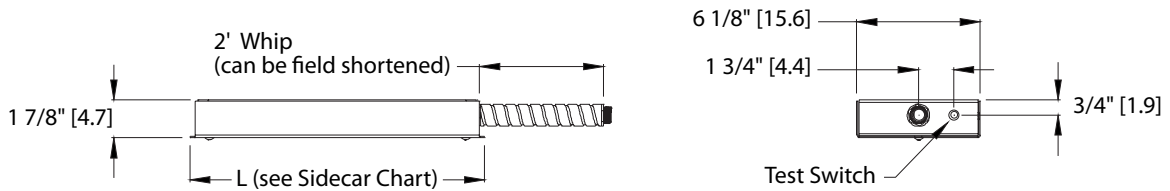
SIDECAR BATTERY OPTION	LUMEN PACKAGES AVAILABLE	L (SIDECAR LENGTH)
E7WCP	750LM AND GREATER EXCEPT AS NOTED BELOW	14"
	6000-8000LM 5000-8000LM WITH ECOD DRIVER	16"
E10WCP	1000LM AND GREATER EXCEPT AS NOTED BELOW	14"
	6000-8000LM 5000-8000LM WITH ECOD DRIVER	16"
E15WCP	1500LM AND GREATER	16"

*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]

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]
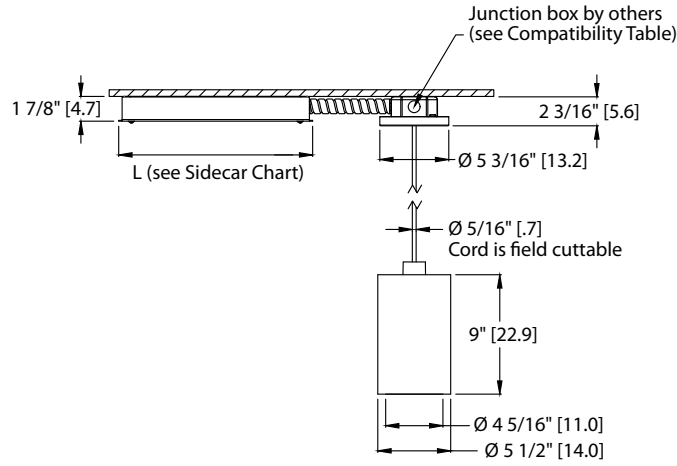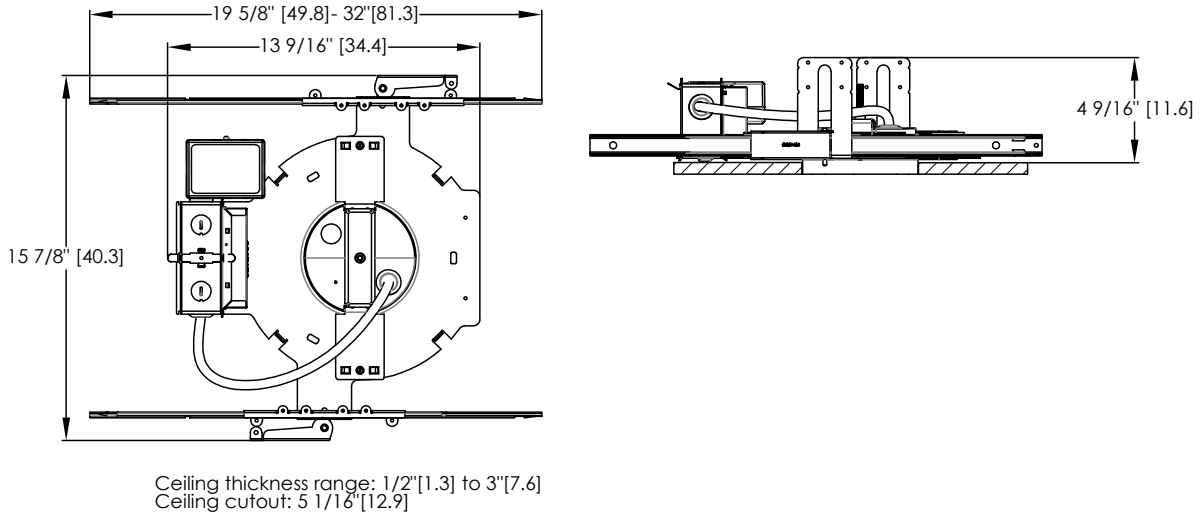
RGH with Battery Backup (E10WCPR/E10WCP) Standard

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]
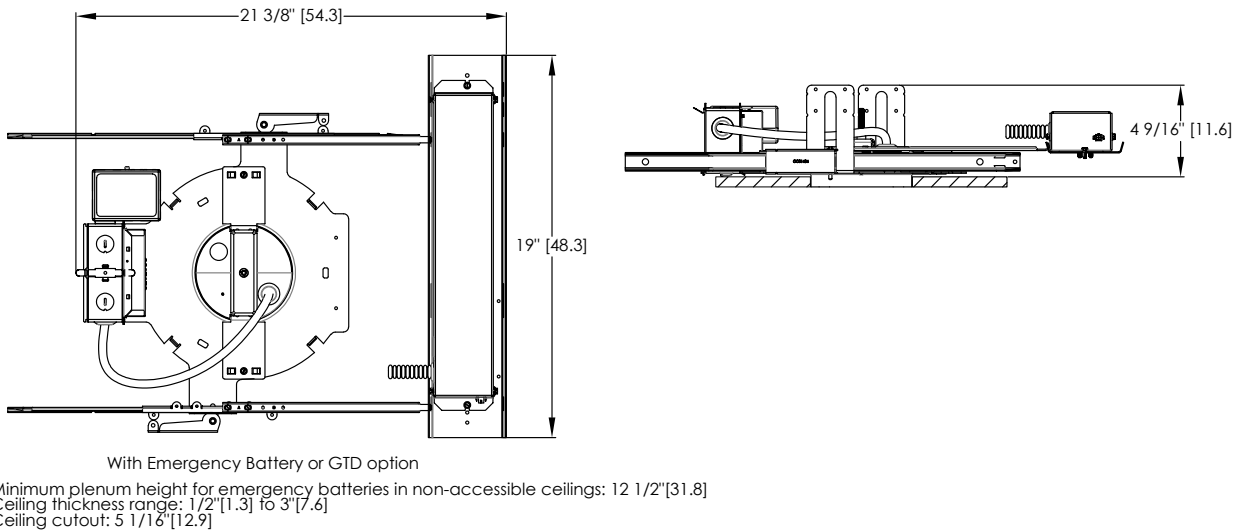
*Dimensions in inches [centimeters]

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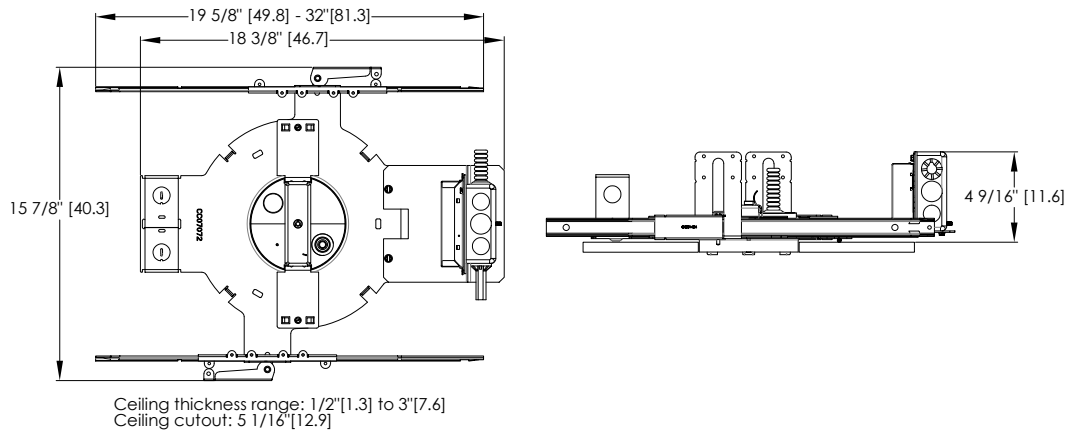
RGH with Chicago Plenum (CP) for use with nLight Enclosed

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]
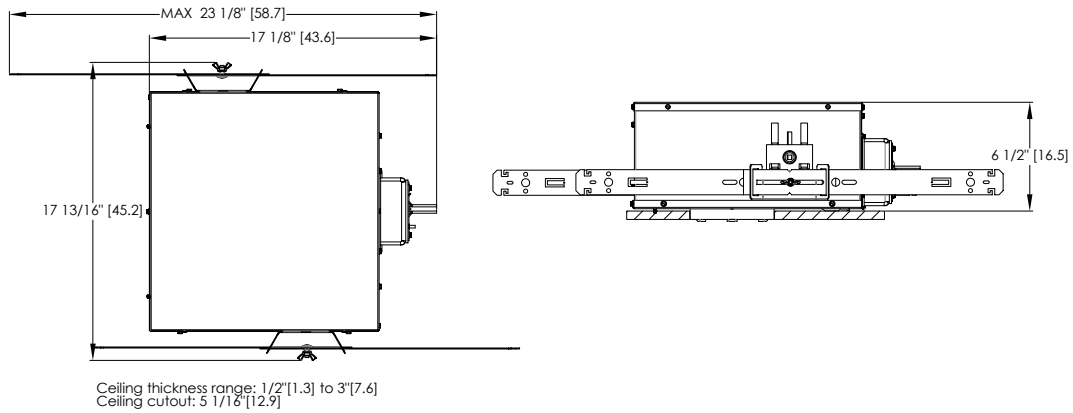
*Dimensions in inches [centimeters]

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CONSULT **WWW.GOTHAMLIGHTING.COM** FOR ADDITIONAL PHOTOMETRY.

ICO4CC 35/15 AR LSS 15D Input Watts: 15.1, Delivered Lumens: 1504, LPW: 99.6, S/MH: 0.24, Test No: ISF 192654P4364

CP Summary		Zonal Lumen Summary			Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
	0°	Zone	Lumens	% Fixture	ρf ρc pw	80% 50%	30%	10%	20% 70% 50%	30%	10%	50% 50%	30%	10%	Mounting Height	Initial FC Center Beam	Beam Diameter		Average Luminance
0°	11,964	0° - 30°	1,449	96%	0	122	122	122	119	119	119	114	114	114	6.0	332.3	1.5	0°	1,505,657
5°	8,038	0° - 40°	1,479	98%	1	116	115	113	114	113	111	110	109	108	8.0	186.9	2.0	45°	3,408
15°	1,254	0° - 60°	1,501	100%	2	112	109	107	110	107	105	107	105	103	10.0	119.6	2.4	55°	1,106
25°	280	0° - 90°	1,503	100%	3	108	104	102	106	103	101	104	101	99	12.0	83.1	2.9	65°	300
35°	41	90° - 180°	1	0%	4	104	100	98	103	100	97	101	98	96	14.0	61.0	3.4	75°	0
45°	19	0° - 180°	1,504	100%	5	101	97	94	100	97	94	98	95	93				85°	0
55°	5				6	98	94	92	97	94	91	96	93	91	Beam Angle: 13.9°				
65°	1				7	96	92	89	95	91	89	94	91	89	Field Angle: 30.8°				
75°	0				8	93	90	87	93	89	87	92	89	87					
85°	0				9	91	88	85	91	87	85	90	87	85					
90°	0				10	89	86	83	89	86	83	88	85	83					

ICO4CC 35/15 AR LSS 30D Input Watts: 15.1, Delivered Lumens: 1411, LPW: 93.4, S/MH: 0.47, Test No: ISF 192657P4364

CP Summary		Zonal Lumen Summary			Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
	0°	Zone	Lumens	% Fixture	ρf ρc pw	80% 50%	30%	10%	20% 70% 50%	30%	10%	50% 50%	30%	10%	Mounting Height	Initial FC Center Beam	Beam Diameter		Average Luminance
0°	4,525	0° - 30°	1,295	92%	0	119	119	119	116	116	116	111	111	111	6.0	125.7	3.1	0°	569,489
5°	4,140	0° - 40°	1,376	97%	1	112	110	108	110	108	107	106	105	103	8.0	70.7	4.2	45°	4,664
15°	2,088	0° - 60°	1,407	100%	2	106	103	100	105	102	99	102	99	97	10.0	45.3	5.2	55°	1,327
25°	590	0° - 90°	1,410	100%	3	101	97	94	100	96	93	97	94	92	12.0	31.4	6.3	65°	300
35°	95	90° - 180°	1	0%	4	97	92	89	96	92	88	94	90	87	14.0	23.1	7.3	75°	0
45°	26	0° - 180°	1,411	100%	5	92	88	85	92	87	84	90	86	84				85°	0
55°	6				6	89	84	81	88	84	81	87	83	80	Beam Angle: 29.3°				
65°	1				7	85	81	77	85	80	77	84	80	77	Field Angle: 58.8°				
75°	0				8	82	77	74	82	77	74	81	77	74					
85°	0				9	79	75	72	79	74	71	78	74	71					
90°	0				10	76	72	69	76	72	69	75	71	69					

ICO4CC 35/15 AR LSS 45D Input Watts: 15.1, Delivered Lumens: 1437, LPW: 95.2, S/MH: 0.73, Test No: ISF 192660P4364

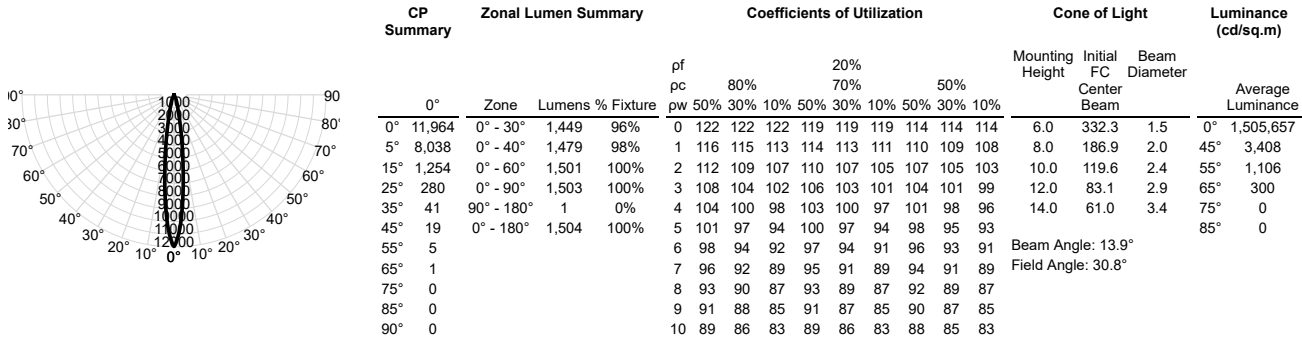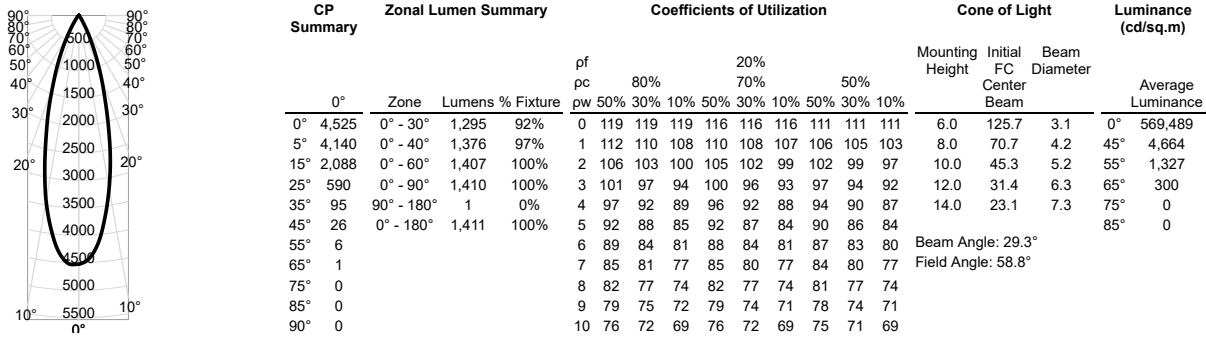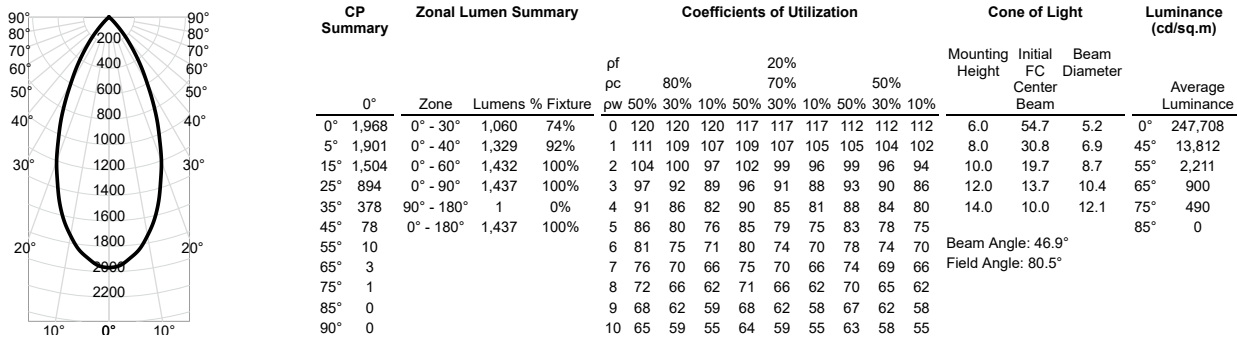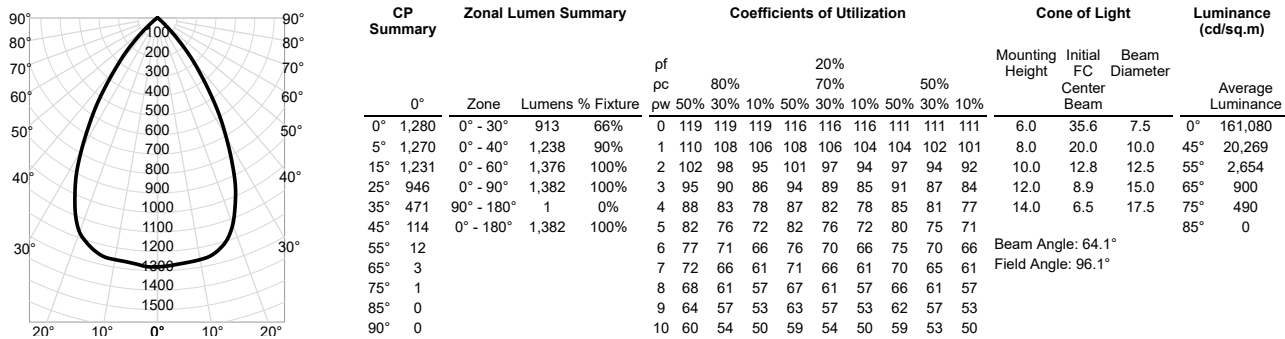| CP Summary		Zonal Lumen Summary			Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
	0°	Zone	Lumens	% Fixture	ρf ρc pw	80% 50%	30%	10%	20% 70% 50%	30%	10%	50% 50%	30%	10%	Mounting Height	Initial FC Center Beam	Beam Diameter		Average Luminance
0°	1,968	0° - 30°	1,060	74%	0	120	120	120	117	117	117	112	112	112	6.0	54.7	5.2	0°	247,708
5°	1,901	0° - 40°	1,329	92%	1	111	109	107	109	107	105	105	104	102	8.0	30.8	6.9	45°	13,812
15°	1,504	0° - 60°	1,432	100%	2	104	100	97	102	99	96	99	96	94	10.0	19.7	8.7	55°	2,211
25°	894	0° - 90°	1,437	100%	3	97	92	89	96	91	88	93	90	86	12.0	13.7	10.4	65°	900
35°	378	90° - 180°	1	0%	4	91	86	82	90	85	81	88	84	80	14.0	10.0	12.1	75°	490
45°	78	0° - 180°	1,437	100%	5	86	80	76	85	79	75	83	78	75				85°	0
55°	10				6	81	75	71	80	74	70	78	74	70	Beam Angle: 46.9°				
65°	3				7	76	70	66	75	70	66	74	69	66	Field Angle: 80.5°				
75°	1				8	72	66	62	71	66	62	70	65	62					
85°	0				9	68	62	59	68	62	58	67	62	58					
90°	0				10	65	59	55	64	59	55	63	58	55					

ICO4CC 35/15 AR LSS 65D Input Watts: 15.1, Delivered Lumens: 1382, LPW: 91.5, S/MH: 0.98, Test No: ISF 192663P4364

CP Summary		Zonal Lumen Summary			Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
	0°	Zone	Lumens	% Fixture	ρf ρc pw	80% 50%	30%	10%	20% 70% 50%	30%	10%	50% 50%	30%	10%	Mounting Height	Initial FC Center Beam	Beam Diameter		Average Luminance
0°	1,280	0° - 30°	913	66%	0	119	119	119	116	116	116	111	111	111	6.0	35.6	7.5	0°	161,080
5°	1,270	0° - 40°	1,238	90%	1	110	108	106	108	106	104	104	102	101	8.0	20.0	10.0	45°	20,269
15°	1,231	0° - 60°	1,376	100%	2	102	98	95	101	97	94	97	94	92	10.0	12.8	12.5	55°	2,654
25°	946	0° - 90°	1,382	100%	3	95	90	86	94	89	85	91	87	84	12.0	8.9	15.0	65°	900
35°	471	90° - 180°	1	0%	4	88	83	78	87	82	78	85	81	77	14.0	6.5	17.5	75°	490
45°	114	0° - 180°	1,382	100%	5	82	76	72	82	76	72	80	75	71				85°	0
55°	12				6	77	71	66	76	70	66	75	70	66	Beam Angle: 64.1°				
65°	3				7	72	66	61	71	66	61	70	65	61	Field Angle: 96.1°				
75°	1				8	68	61	57	67	61	57	66	61	57					
85°	0				9	64	57	53	63	57	53	62	57	53					
90°	0				10	60	54	50	59	54	50	59	53	50					

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Photometry

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.

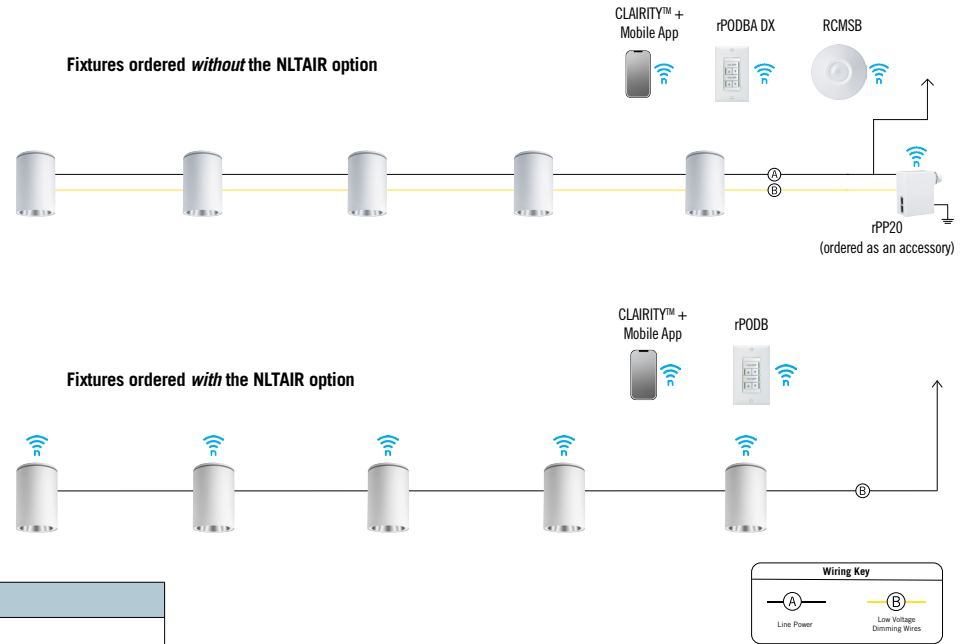| Wall Switches	Model Number
On/Off single pole	rPODB (color) G2
On/Off two pole	rPODB 2P (color) G2
On/Off & raise/lower single pole	rPODB DX (color) G2
On/Off & raise/lower two pole	rPODB 2P DX (color) G2

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
Ⓐ 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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