gotham® | EVO®

Multiple Layers of Light

LOW UGR · BAA · 66 IP RATED · ENERGY STAR

General Illumination Surface Ceiling 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
- 70% lumen maintenance at 60,000 hours
- 2.5 SDCM; 85 CRI typical, 90+ CRI optional
- Fixtures are damp location standard; wet location optional (WL) - covered ceiling required; IP66 optional - covered ceiling required

- Multiple recessed or surface j-box mounting configurations available
- 20 standard colors in textured and gloss finish; custom or RAL colors also available
- Field configurable surface junction box conduit covers available
- Completely integral emergency battery option available
- ENERGY STAR® Certified product
- UGR of zero for fixtures aimed at nadir with a cut-off equal to or less than 60deg per CIE 117-1995 Discomfort Glare in Interior Lighting. UGR FAQ

Distribution

| 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

ORDERING INFORMATION

Luminaire Type: _____

Catalog Number: _____

EXAMPLE: EVO4SC 35/15 AR LSS MWD MVOLT EZ1 JBXCC DWHG

Series		Color Temperature		Lumens		Reflector Color		Reflector Finish		Distribution		Voltage	
EVO4SC	EVO 4in Surface Ceiling 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**[1,2]	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		Emergency Option	
GZ10 **GZ1** **EZ10** **EZ1** **EZB** **EDAB**[5] **EDXB**[5,6] **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 (120V only)	**JBX** **JBXCC** **RGH**[7]	Integral driver, Recessed or Surface J-box Integral driver, Surface J-box with Conduit Covers Recessed Gear Housing	**(blank)** **E6W** **E7WCP** **E10WCP** **E10WCPR** **E15WCP** **GTD**	No emergency options 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 500-2500 lumen options. Not available with 1500 lumen option. IOTA® 7W Constant Power emergency battery. Only for use with 750-5000 lumen options (sidecar) 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. (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)

Control Interface[8]		Options		Architectural Colors - Powder Paint[2]			
(blank) **NLT** **NLTER**[9] **NLTAIR2** **NLTAIRER2**[9]	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**[10] **HAO**[11] **IP66**[12] **N80**[13] **SF** **WL**[12]	High CRI (90+) Chicago Plenum. Specify 120V or 277V (requires RGH) High Ambient Option (40°C) Lensed, IP66 rated nLight Lumen Compensation Single fuse. Specify 120V or 277V. Wet Location	**DDB** **DBL** **DWH** **DMB** **DNA** **DSS** **DGC** **DTG** **DBR** **DSB**	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** **DWHAMF** **RALTBD** **CPC**	Textured Dark Bronze Textured Black Textured White Textured Bronze Textured Natural Aluminum Textured Sandstone Textured Dark Grey Textured Green Textured Light Red Gloss White with Anti-microbial finish 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. Integral 347V drivers available with GZ10 and GZ1 driver options only. All other drivers will come with a step-down transformer - factory installed with RGH mounting, and field installed with JBX and JBXCC mounting (remote mount location required).
4. Refer to Tech 240 for compatible dimmers.
5. Not available with Control Interfaces.
6. Includes terminator resistor.
7. Not available with E7W or E15WCP Emergency Options.
8. Factory installed with RGH mounting, otherwise field installed (remote mount location required).
9. 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.
10. CP not valid with NLTAIR2, NLTAIRER2 or Emergency Options.
11. Not available with WL, IP66, or sidecar Emergency Options. Max: 2500 lumens.
12. Not available with JBXCC, or sidecar Emergency Options. Max: 3000LM.
13. Fixture begins at 80% light level. Must be specified with NLT or NLTER. Only available with EZ10 and EZ1 drivers.

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SPECIFICATIONS

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. Integral 347V drivers available with GZ10/GZ1 driver options. 347V with all other drivers available via integral step-down transformer with RGH mounting, and remote mount step-down transformer with JBX/JBXCC mounting. 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 an emergency battery pack comply with NFPA 101 (Life Safety Code) to provide egress lighting. Emergency batteries provide up to 15W to a luminaire for 90 minutes in emergency operation when there is normal AC power loss.

Integral emergency battery with a test switch discreetly integrated into the cylinder is available up to 6W (E6W). Provides a consistent look within the cylinder family – maintaining the same dimensions as the cylinders without emergency options.

IOTA® emergency batteries are available in 7W (E7WCP), 10W (E10WCP), and 15W (E15WCP). Emergency batteries are offered in a side car housing that mounts right next to the cylinder with the test switch integrated into the side car housing. Side car housing will come finished in the same color as the cylinder for a unified look.

IOTA® 10W emergency batteries with RGH mounting allow for the emergency batteries to be hidden away within the plenum space. Available with either a test switch integrated into the cylinder (E10WCP), or a remote test switch (E10WCPR).

Luminaires equipped with an IOTA® generator transfer device (GTD) work in conjunction with an auxiliary generator or a central inverter system to power luminaires for 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
Heavy-gauge aluminum construction.

Extruded body with flangeless reflector allows flow-through passive thermal management.

Surface ceiling mount for direct installation to 4" recessed or surface octagonal or square junction box.

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

Recessed housing available for above ceiling drivers, nLight, CP, GTD, and emergency battery options.

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); IP66 rating optional (IP66).

Luminaire configurations are Energy Star certified through testing in EPA–recognized laboratories, with the results reviewed by an independent, accredited certification organization. Visit www.energystar.gov for specific configurations listed.

Photometrics
LEDs tested to LM-80 standards. Measured by IESNA Standard LM-79-08 in an accredited lab. Lumen output shall not decrease by more than 30% over the minimum operational life of 60,000 hours.

Color appearance from luminaire to luminaire of the same type and in all configurations, shall be consistent both initially and at 6,000 hours and operate within a tolerance of <2.5 MacAdam ellipse as defined by the center of the quadrangles defined in ANSI C78.377-2015.

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

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

Note:
Actual performance may differ as a result of end user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.

⤢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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Tables of Use

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

*Changeable through DALI controller

Lumen Output Multiplier

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

Reflector Finish Multiplier

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

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

J-box Compatibility Matrix		JBX	JBX 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	✗	✗

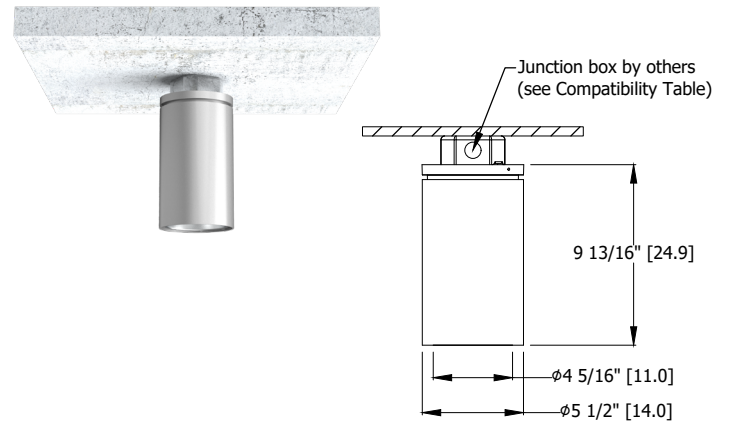## Standard Architectural Color Options for Cylinder Bodies

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.
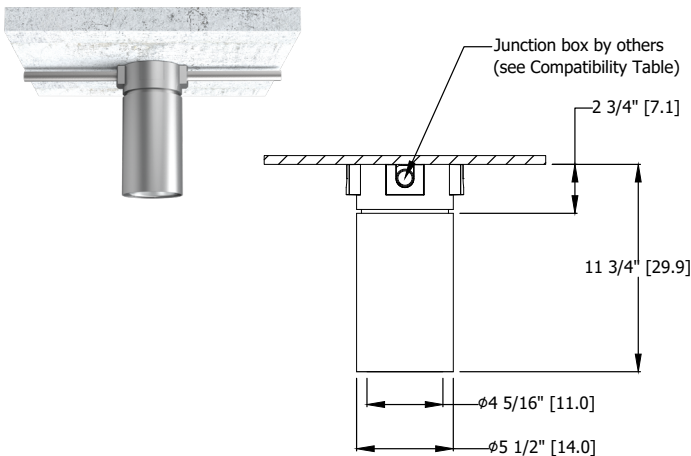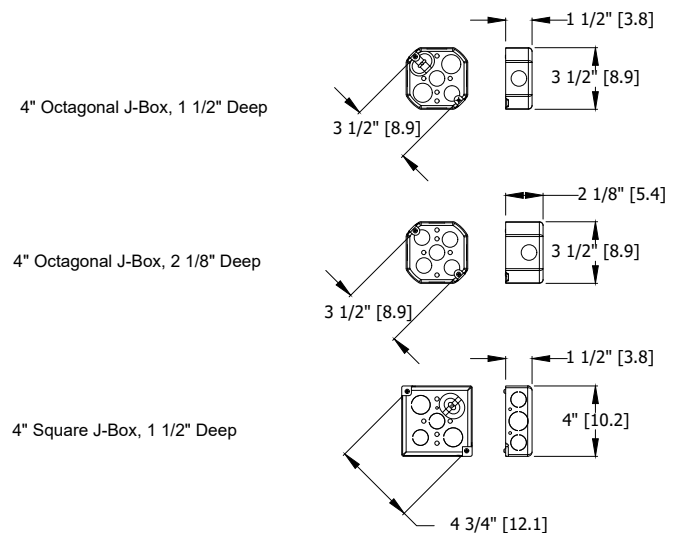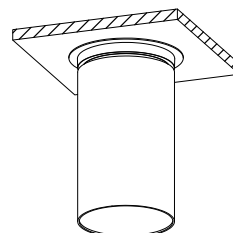
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DIMENSIONAL DATA

JBX Recessed J-Box

Junction box by others
(see Compatibility Table)

9 13/16" [24.9]

⌀4 5/16" [11.0]
⌀5 1/2" [14.0]

JBX Surface J-Box

Junction box by others
(see Compatibility Table)

9 13/16" [24.9]

⌀4 5/16" [11.0]
⌀5 1/2" [14.0]
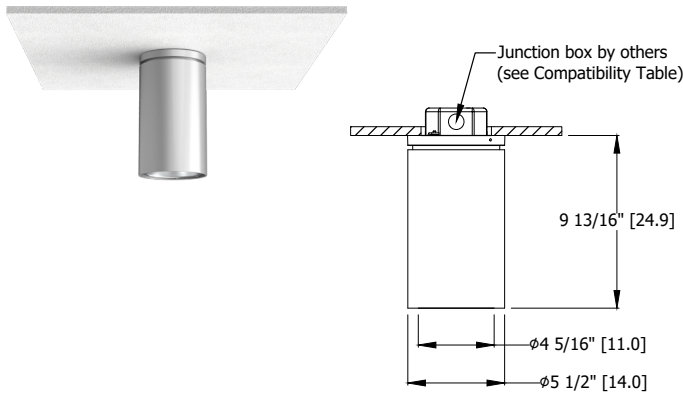
JBXCC Surface J-Box with Conduit Covers

Junction box by others
(see Compatibility Table)

2 3/4" [7.1]

11 3/4" [29.9]

⌀4 5/16" [11.0]
⌀5 1/2" [14.0]

Junction Box Dimensions (by others)

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

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

3 1/2" [8.9]

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

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

3 1/2" [8.9]

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

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

4 3/4" [12.1]

Cylinder Adapter Plate

⌀6 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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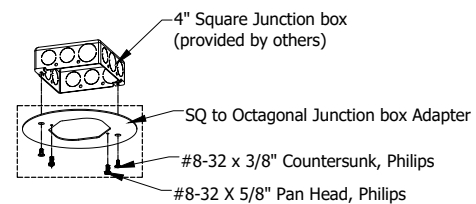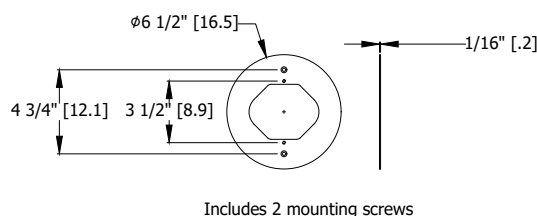
Conduit Feed Examples and Keys

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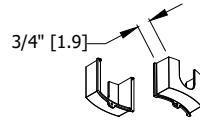
Conduit Key
(4) provided with each,
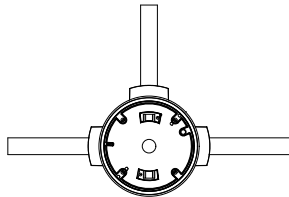for use with 1/2" or 3/4" conduit
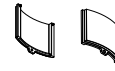
Blank Key
(4) provided with each
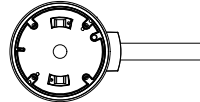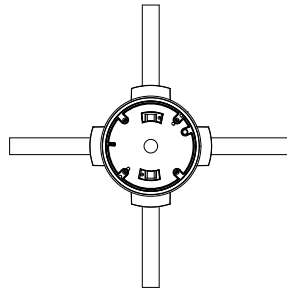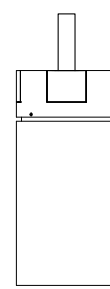
Single Conduit Feed
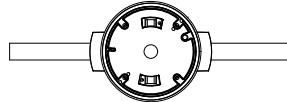
Double 180° conduit
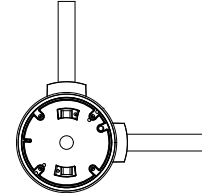
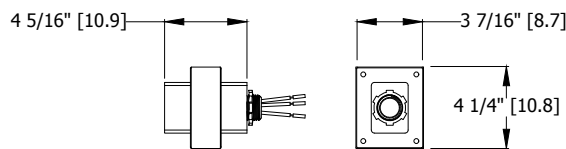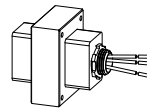Double 90° conduit

Triple 0°, 90° & 180° conduit

Quad 0°, 90°, 180°, & 270° conduit
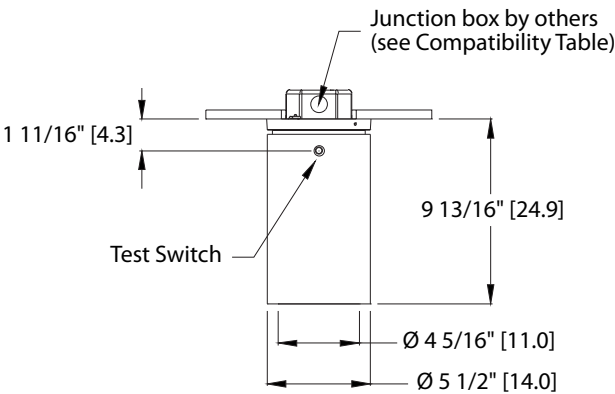
Top conduit feed

347V Stepdown Transformer

4 5/16" [10.9]

3 7/16" [8.7]

4 1/4" [10.8]

347 Transformer:
Install to accessible
junction box by others

*Dimensions in inches [centimeters]

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DIMENSIONAL DATA

6W Integral Emergency Battery

Junction box by others
(see Compatibility Table)

1 11/16" [4.3]

Test Switch

9 13/16" [24.9]

Ø 4 5/16" [11.0]

Ø 5 1/2" [14.0]

7W/10W/15W Sidecar Emergency Battery

Junction box by others
(see Compatibility Table)

1 7/8" [4.7]

L (see Sidecar Chart)

9 13/16" [24.9]

Ø 4 5/16" [11.0]

Ø 5 1/2" [14.0]
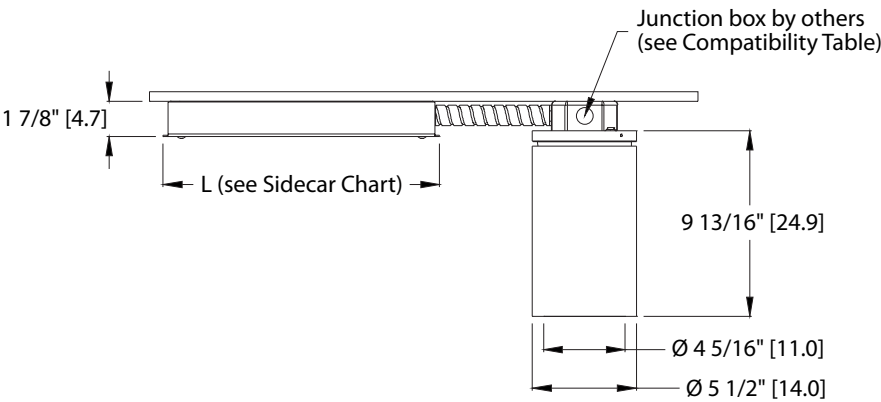
Emergency Battery Sidecar Dimensions

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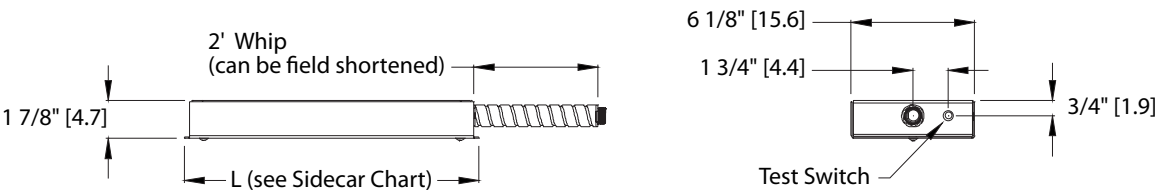
SIDECAR BATTERY OPTION	LUMEN PACKAGES AVAILABLE	L (SIDECAR LENGTH)
E7WCP	750LM AND GREATER EXCEPT AS NOTED BELOW	14"
	6000-8000LM 5000-8000LM WITH ECOD DRIVER	16"
E10WCP	1000LM AND GREATER EXCEPT AS NOTED BELOW	14"
	6000-8000LM 5000-8000LM WITH ECOD DRIVER	16"
E15WCP	1500LM AND GREATER	16"

*Dimensions in inches [centimeters]

RGH Standard

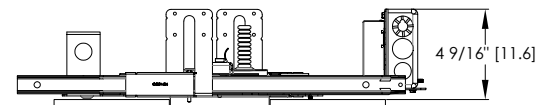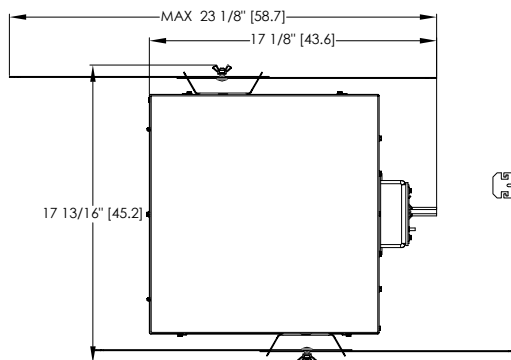19 5/8" [49.8]- 32"[81.3]

13 9/16" [34.4]

15 7/8" [40.3]

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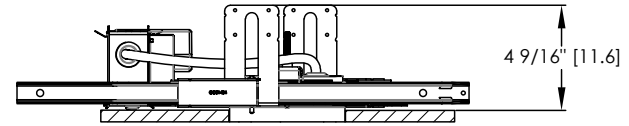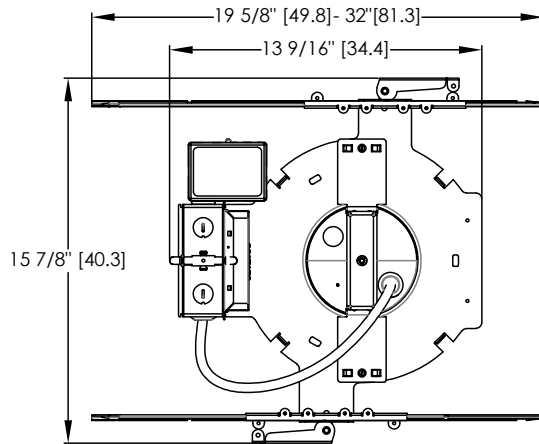
Ceiling thickness range: 1/2"[1.3] to 3"[7.6]
Ceiling cutout: 5 1/16"[12.9]

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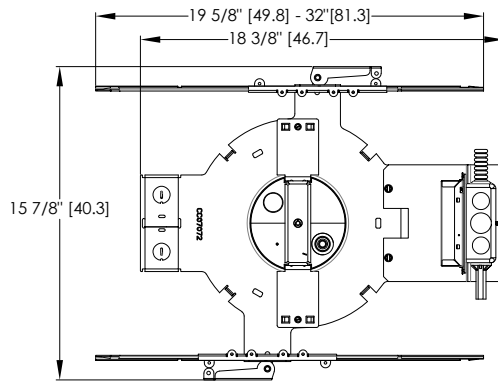
Ceiling thickness range: 1/2"[1.3] to 3"[7.6]
Ceiling cutout: 5 1/16"[12.9]

RGH with Chicago Plenum (CP) for use with nLight Enclosed
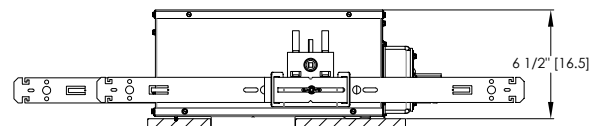
MAX 23 1/8" [58.7]

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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DIMENSIONAL DATA

RGH with Battery Backup (E1OWCPR) Standard

21 3/8" [54.3]

19" [48.3]

4 9/16" [11.6]
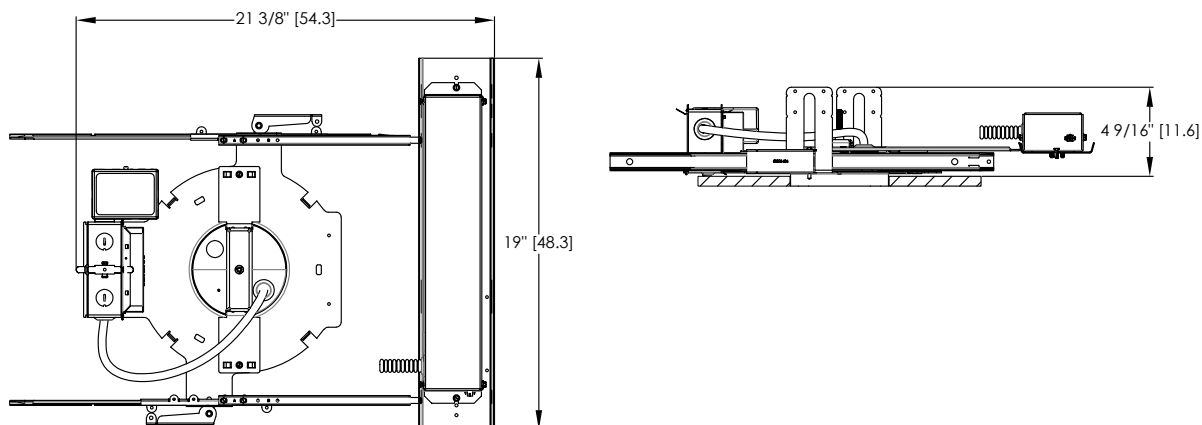
With Emergency Battery or GTD option

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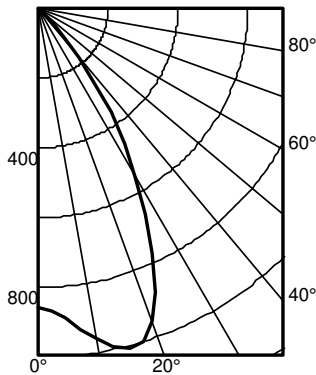Ceiling thickness range: 1/2"[1.3] to 3"[7.6]
Ceiling cutout: 5 1/16"[12.9]

*Dimensions in inches [centimeters]
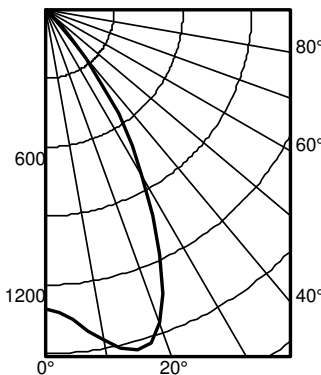
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CONSULT WWW.GOTHAMLIGHTING.COM FOR ADDITIONAL PHOTOMETRY.

EV04SC 35/10 MWD LS INPUT WATTS: 8.8W, DELIVERED LUMENS: 1001.7LM, LPW = 113.8, 1.08 S/MH, TEST NO. LTL27786P

	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	

		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

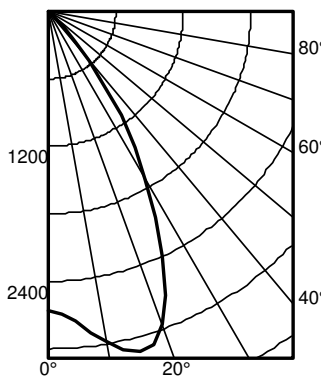## EV04SC 35/15 MWD LSS INPUT WATTS: 13.7W, DELIVERED LUMENS: 1527.3LM, LPW = 111.4, 1.08 S/MH, TEST NO. LTL27786P

	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	

		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

EV04SC 35/30 MWD LSS INPUT WATTS: 31.2W, DELIVERED LUMENS: 3110.6LM, LPW = 99.6, 1.08 S/MH, TEST NO. LTL27786P

	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	

		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

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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

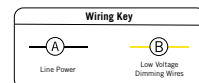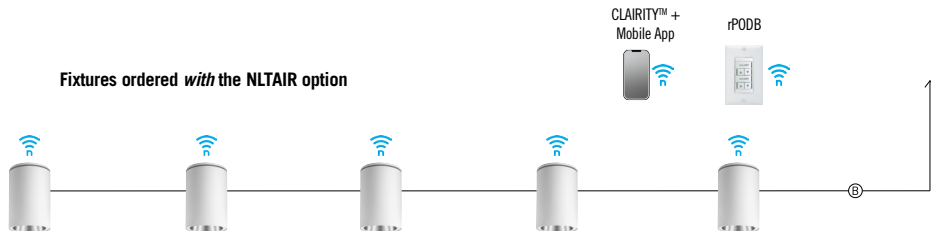The below information applies to all nLight AIR devices with an EM option.
- EM devices will remain at their high-end trim and ignore wireless lighting control commands, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds.
- Using the CL**AIR**ITY+ mobile app, EM devices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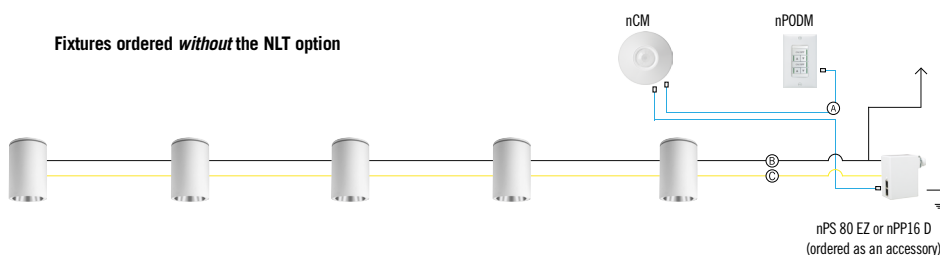
Fixtures ordered *with* the NLT option

nCM   nPODM

Wiring Key

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

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