gotham® | EVO®
Multiple Layers of Light

Luminaire Type:

Catalog Number:

Buy American | ENERGY STAR | CSA+ CAPABLE

OVERVIEW

General Illumination Wall Mount Cylinder Wallwash

6"

Feature Set

- 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 option (WL or WLL)

- 20 standard colors in textured and gloss finish; custom or RAL colors also available
- Field configurable surface junction box conduit covers available
- ENERGY STAR® Certified product
- IP66 rated with WLL option

Distribution

Wallwash

Superior Performance

Nominal Lumens	250	500	750	1000	1500	2000	2500	3000	3500	4000	4500	5000	6000	8000
Delivered Lumens	207	361	540	691	1023	1395	1764	2140	2463	2800	3152	3423	4149	5371
Wattage	3.2	5.9	7.8	9.1	14.0	18.8	23.5	28.1	32.2	37.1	45.0	46.3	54.9	71.3
Lumens per Watt	64.0	61.1	69.1	75.6	73.1	74.4	75.0	76.2	76.5	75.4	70.0	73.9	75.6	75.3

COMPLIMENTARY PRODUCTS

Coordinated Apertures | Multiple Layers of Light

General Illumination Layer | EVO

High Center Beam Layer | Incito

EVO + Incito — Multiple Layers of Light

Core							
Downlight	Adjustable	Open Wallwash	Lensed Wallwash	Cylinder	Pinhole	Bevel	Hyperbolic

Healthcare		
MRI	Surgical Suite	Patient Room

Special Applications					
Dynamic	Food Service	Vandal/Tamper	Clean Room	Shower	Steam Room

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A+ Capable options indicated by this color background.

Luminaire Type: _____

Catalog Number: _____

EXAMPLE: EV06WCWW 35/15 AR LSS MVOLT EZ1 JBX DN DWHG

Series		Color Temperature		Lumens		Reflector Color		Reflector Finish		Voltage	
EV06WCWW	EVO 6in Wall Mount Round Cylinder Wall Wash	27/	2700 K	02	250 lumens	AR	Clear	LSS	Semi-specular	MVOLT	120V - 277V
EV06WCCWW	EVO 6in Wall Mount Round Cylinder Corner Wall Wash	30/	3000 K	05	500 lumens	PR	Pewter	LD	Matte diffuse	120	120V
EV06WCDWW	EVO 6in Wall Mount Round Cylinder Double Wall Wash	35/	3500 K	07	750 lumens	WTR	Wheat	LS	Specular	277	277V
		40/	4000 K	10	1000 lumens	GR	Gold			347[2]	347V
		50/	5000 K	15	1500 lumens	WR[1]	White painted				
				20	2000 lumens	BR[1]	Black				
				25	2500 lumens	WRAMF[1]	White anti-microbial				
				30	3000 lumens	BZR[1]	Dark Bronze painted				
				35	3500 lumens						
				40	4000 lumens						
				45	4500 lumens						
				50	5000 lumens						
				60	6000 lumens						
				80	8000 lumens						

Driver[3]		Mounting		Fixture Orientation	
GZ10	0-10V driver dims to 10%	JBX	Integral driver, Recessed or Surface J-box	DN	Mounted with reflector pointing down
GZ1	0-10V driver dims to 1%	JBXCC	Integral driver, Surface J-Box with Conduit Covers	UP	Mounted with reflector pointing up
EZ10	eldoLED 0-10V ECOdrive. Linear dimming to 10% min.				
EZ1	eldoLED 0-10V ECOdrive. Linear dimming to 1% min.				
EZB	eldoLED 0-10V SOLOdrive. Logarithmic dimming to <1%.				
EDAB[5]	eldoLED SOLOdrive DALI. Logarithmic dimming to <1%.				
EDXB[4,5]	eldoLED POWERdrive DMX with RDM (remote device management). Square Law dimming to <1%. Min: 1000LM; Max: 8000LM.				
ECOS2[5]	Lutron® Hi-Lume® 2-wire forward-phase driver. 120V Only. Minimum dimming level 1%. Min: 1000LM; Max: 3500LM.				
ECOD[5]	Lutron® EcoSystem® digital Hi-Lume 1% soft-on, fade to black. Min: 250LM; Max: 4000LM.				
ELV[5]	Electronic line voltage / Forward phase / Triac dimming, 120V Only. Min: 250LM; Max: 8000LM.				

Control Interface[6]		Options		Architectural Colors - Powder Paint[11]			
(blank)	No controls	SF	Single fuse. Specify 120V or 277V.	DDB	Gloss Dark Bronze	DDBT	Textured Dark Bronze
NLT	nLight® dimming pack.	90CRI	High CRI (90+)	DBL	Gloss Black	DBLB	Matte Black
NLTER[7]	nLight® dimming pack for fixtures on emergency circuit	N80	nLight Lumen Compensation	DWH	Gloss White	DWHG	Textured White
NLTAIR2	nLight® AIR dimming pack.	HAO[8]	HAO High Ambient Option (40°C)	DMB	Gloss Medium Bronze	DBNH	Textured Bronze
NLTAIRER2[7]	nLight® AIR dimming pack for fixtures on emergency circuit	WL[9]	Wet Location	DNA	Gloss Natural Aluminum	DNAT	Textured Natural Aluminum
		WLL[10]	Wet Location Lensed	DSS	Gloss Sandstone	DSST	Textured Sandstone
				DGC	Gloss Charcoal Grey	DSPD	Textured Dark Grey
				DTG	Gloss Tennis Green	DSPE	Textured Green
				DBR	Gloss Bright Red	DSPH	Textured Light Red
				DSB	Gloss Steel Blue	DWHAMF	Gloss White with Anti-microbial finish

ORDERING NOTES

1. Not Available with Finishes.
2. Factory supplied step down transformer must be remote mounted. Access required to location of remote mounted device.
3. Refer to Tech 240 for compatible dimmers.
4. Includes terminator resistor. Not available with 250-750 lumen packages.
5. Not Available with Control Interfaces.
6. Field installed. Access required to location of remote mounted device.
7. 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.
8. Only available up to 3500 lumens; up to 2500 lumens wet location. Not Available with ECOS2.
9. Not available with UP.
10. Wet Location Lenses (WLL) required if used in UP position in Wet Location application .
11. For details on RAL and Custom colors please see Architectural colors

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

Unitized optics shall have mechanical attachment of the light engine to the lower reflector for complete optical alignment. Wallwash enables uniformity from floor to ceiling.

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.

Controls
Luminaire shall be equipped with interface for nLight wired or nLight AIR networks with integral power supply as per specification.

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

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

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

Wall mount can be oriented in up or down position.

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 options available open under covered ceiling (WL).

Luminaire configurations are Energy Star certified through testing in EPA–recognized laboratories, with the results reviewed by an independent, accredited certification organization. Some configurations are Energy Star certified. 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
This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT.
Please refer to www.acuitybrands.com/buy-american for additional information.

Warranty
5-year limited warranty. 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 provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.
- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a shaded background*
- This luminaire is part of an A+ Certified solution for nLight® control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background*

To learn more about A+, visit www.acuitybrands.com/aplus.
*See ordering tree for details

EVO6WCWW
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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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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

*Changable thorugh DALI controller

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

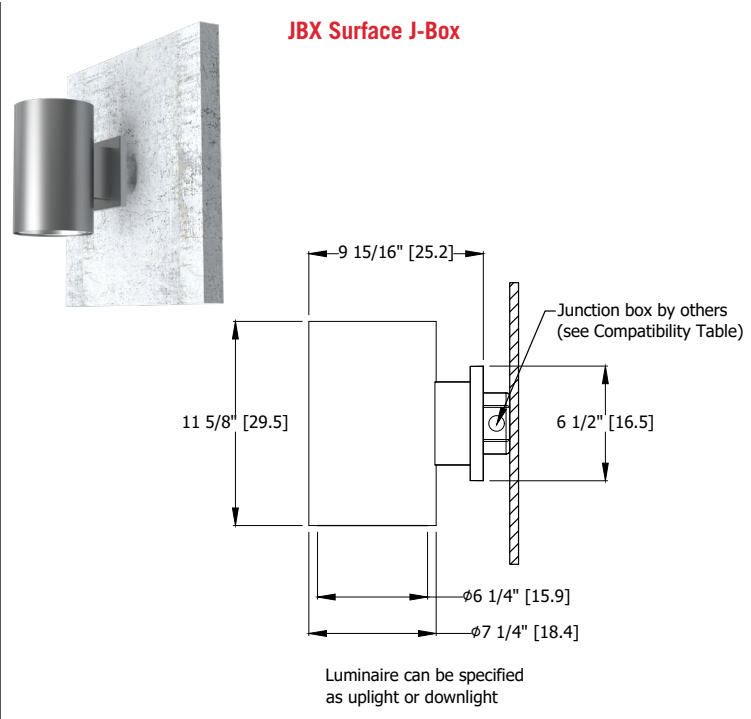|		Control Provided (note: 347V/UVOLT versions provided with 347 option selected)			
Driver					
Nomenclature	Description	NLT	NLTER	NLTAIR2	NLTAIRER2
GZ10	0-10V driver dims to 10%	nPP16 D EFP	nPP16 D ER EFP	RPP20 D 24V G2	RPP20 D 24V ER G2
GZ1	0-10V driver dims to 1%	nPP16 D EFP	nPP16 D ER EFP	RPP20 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	JBX w/EDXB Driver
Recommended J-box (by others)	4" Octagonal 4x4x1.5 deep"	✓	✗
	4" Octagonal 4x4x2.125 deep	✓	✓
	4" Square 4x4x1.5 deep	✓	✗

Standard Architectural Color Options for Cylinder Bodies

DSS LITHONIA — P12 — Sandstone	DSST TEXTURED — P90 — Sandstone	DBR LITHONIA — P34 — Bright Red	DSPH TEXTURED — P80 — Light Red	DMB LITHONIA — P11 — Medium Bronze
DBNH TEXTURED — P74 — Bronze	DTG LITHONIA — P33 — Tennis Green	DSPE TEXTURED — P78 — Green		

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

DBLB TEXTURED — P75 — Black	DWH LITHONIA — P21 — White	DWHG TEXTURED — P86 — 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 always contact a Gotham representative for an accurate paint chip sample.

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DIMENSIONAL DATA

JBX Recessed J-Box

9 15/16" [25.2]

Junction box by others
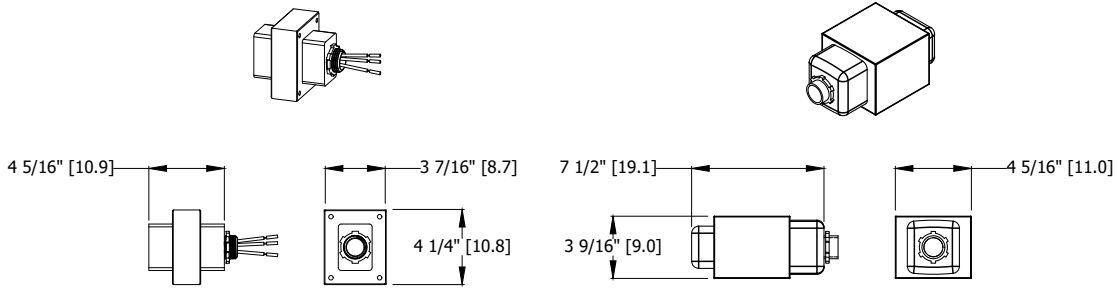(see Compatibility Table)

11 5/8" [29.5]

6 1/2" [16.5]

φ6 1/4" [15.9]

φ7 1/4" [18.4]

Luminaire can be specified
as uplight or downlight

JBX Surface J-Box

9 15/16" [25.2]

Junction box by others
(see Compatibility Table)

11 5/8" [29.5]

6 1/2" [16.5]

φ6 1/4" [15.9]

φ7 1/4" [18.4]

Luminaire can be specified
as uplight or downlight
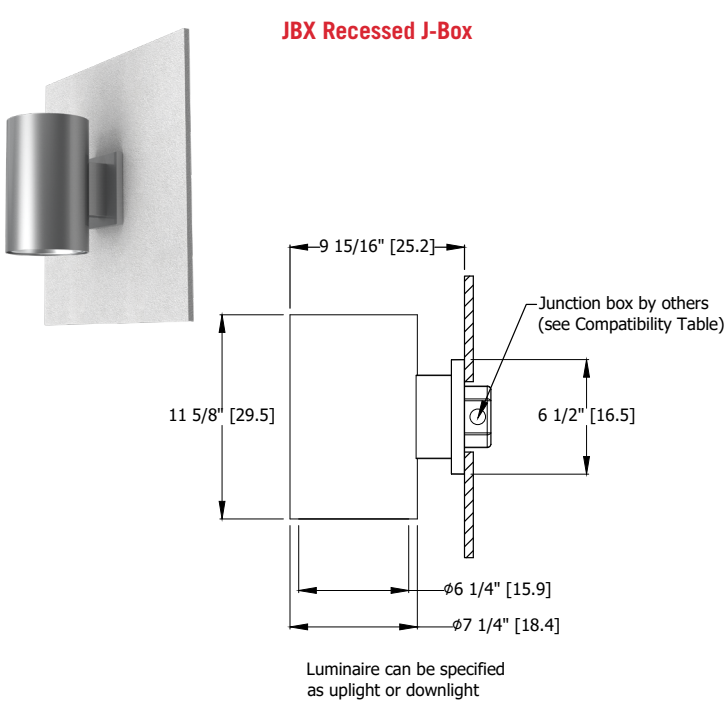
347V Stepdown Transformer

4 5/16" [10.9]

3 7/16" [8.7]

4 1/4" [10.8]

347 Transformer:
Up to 6000LM
Install to accessible
junction box by others

7 1/2" [19.1]

3 9/16" [9.0]

4 5/16" [11.0]

347 Transformer:
8000LM and up
Install to accessible
junction box by others

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]
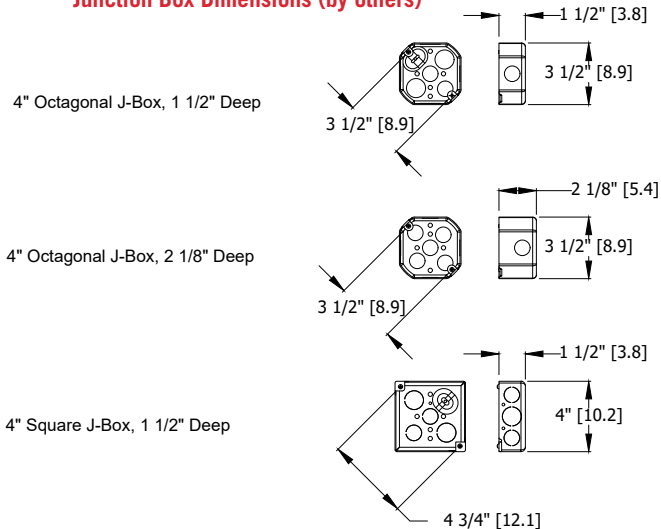
*Dimensions in inches [centimeters]

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Photometry

Consult product webpage at WWW.GOTHAMLIGHTING.COM or WWW.ACUITYBRANDS.COM

EV06WW 35/15 AR LS   INPUT WATTS: 14.7, DELIVERED LUMENS: 1496.7LM, LPW= 102, 0.75 S/MH, TEST NO. LTL27747P397

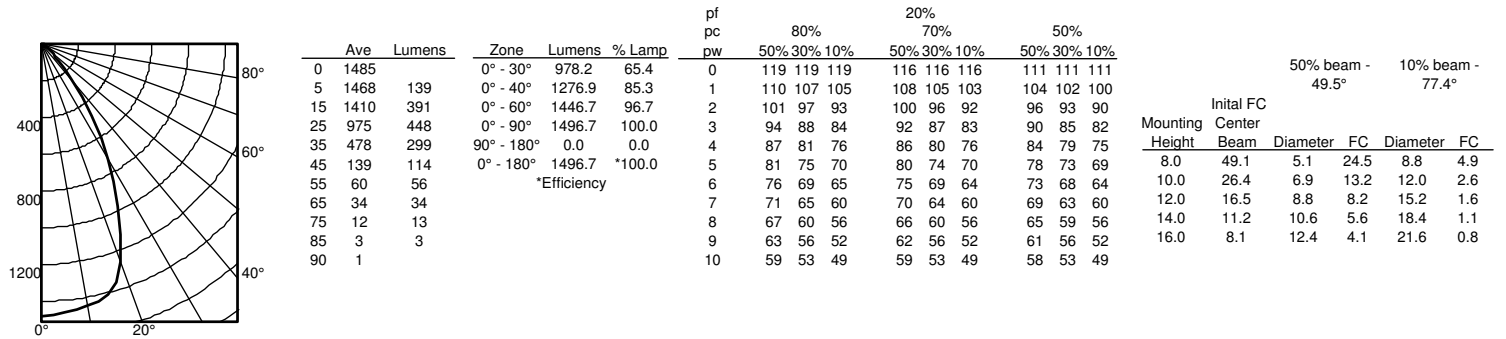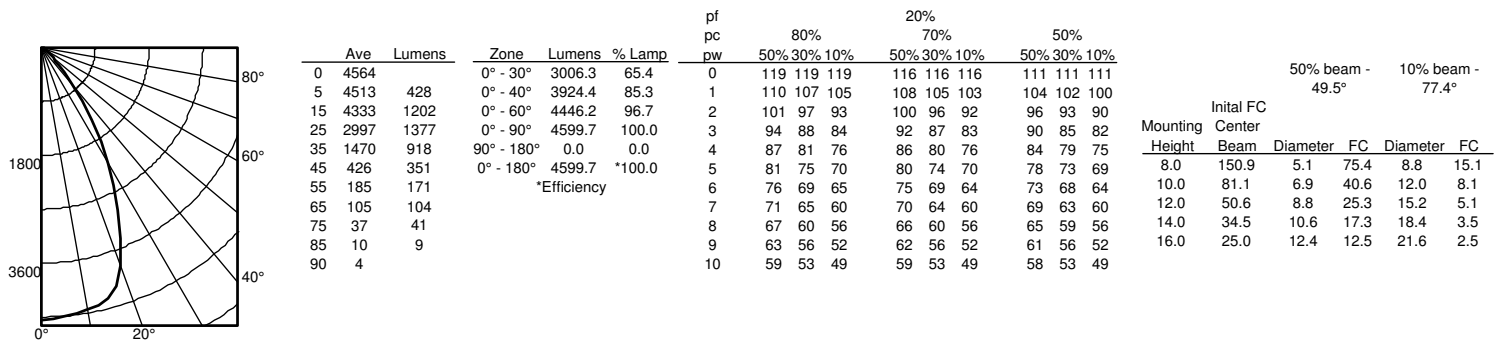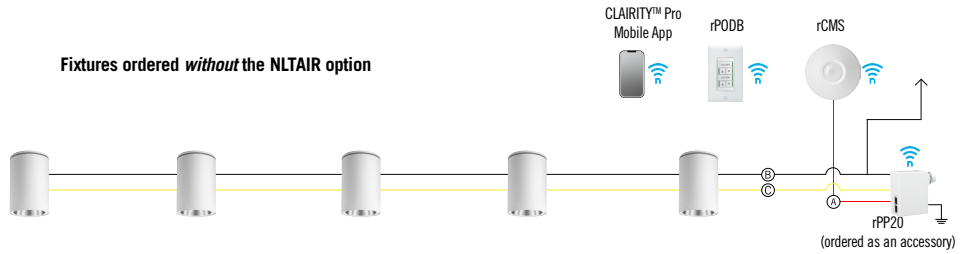|	Ave	Lumens
0	1485	
5	1468	139
15	1410	391
25	975	448
35	478	299
45	139	114
55	60	56
65	34	34
75	12	13
85	3	3
90	1	

Zone	Lumens	% Lamp
0° - 30°	978.2	65.4
0° - 40°	1276.9	85.3
0° - 60°	1446.7	96.7
0° - 90°	1496.7	100.0
90° - 180°	0.0	0.0
0° - 180°	1496.7	*100.0

*Efficiency

pf pc pw	80%			20% 70%			50%		
	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	110	107	105	108	105	103	104	102	100
2	101	97	93	100	96	92	96	93	90
3	94	88	84	92	87	83	90	85	82
4	87	81	76	86	80	76	84	79	75
5	81	75	70	80	74	70	78	73	69
6	76	69	65	75	69	64	73	68	64
7	71	65	60	70	64	60	69	63	60
8	67	60	56	66	60	56	65	59	56
9	63	56	52	62	56	52	61	56	52
10	59	53	49	59	53	49	58	53	49

Mounting Height	Inital FC Center Beam	50% beam - 49.5° Diameter	FC	10% beam - 77.4° Diameter	FC
8.0	49.1	5.1	24.5	8.8	4.9
10.0	26.4	6.9	13.2	12.0	2.6
12.0	16.5	8.8	8.2	15.2	1.6
14.0	11.2	10.6	5.6	18.4	1.1
16.0	8.1	12.4	4.1	21.6	0.8

EV06WW 35/45 AR LS   INPUT WATTS: 47.3, DELIVERED LUMENS: 4599.8LM, LPW= 97.2, 0.75 S/MH, TEST NO. LTL27747P437

	Ave	Lumens
0	4564	
5	4513	428
15	4333	1202
25	2997	1377
35	1470	918
45	426	351
55	185	171
65	105	104
75	37	41
85	10	9
90	4	

Zone	Lumens	% Lamp
0° - 30°	3006.3	65.4
0° - 40°	3924.4	85.3
0° - 60°	4446.2	96.7
0° - 90°	4599.7	100.0
90° - 180°	0.0	0.0
0° - 180°	4599.7	*100.0

*Efficiency

pf pc pw	80%			20% 70%			50%		
	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	110	107	105	108	105	103	104	102	100
2	101	97	93	100	96	92	96	93	90
3	94	88	84	92	87	83	90	85	82
4	87	81	76	86	80	76	84	79	75
5	81	75	70	80	74	70	78	73	69
6	76	69	65	75	69	64	73	68	64
7	71	65	60	70	64	60	69	63	60
8	67	60	56	66	60	56	65	59	56
9	63	56	52	62	56	52	61	56	52
10	59	53	49	59	53	49	58	53	49

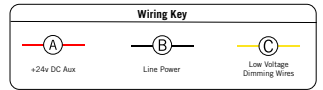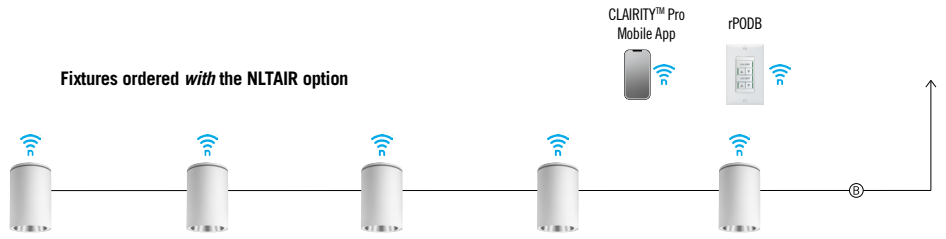| Mounting Height	Inital FC Center Beam	50% beam - 49.5° Diameter	FC	10% beam - 77.4° Diameter	FC
8.0	150.9	5.1	75.4	8.8	15.1
10.0	81.1	6.9	40.6	12.0	8.1
12.0	50.6	8.8	25.3	15.2	5.1
14.0	34.5	10.6	17.3	18.4	3.5
16.0	25.0	12.4	12.5	21.6	2.5

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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.

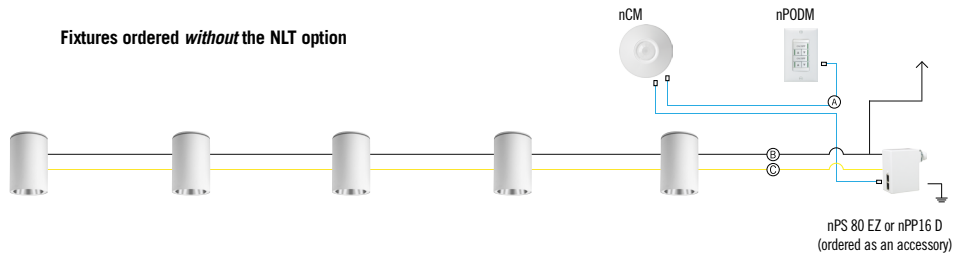| Wall Switches	Model Number
On/Off single pole	rPODB (color) G2
On/Off two pole	rPODB 2P (color) G2
On/Off & raise/lower single pole	rPODB DX (color) G2
On/Off & raise/lower two pole	rPODB 2P DX (color) G2

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

Possibilites for nLight® AIR

Fixtures ordered *without* the NLTAIR option

CLAIRITY™ Pro Mobile App   rPODB   rCMS

rPP20 (ordered as an accessory)

Fixtures ordered *with* the NLTAIR option

CLAIRITY™ Pro Mobile App   rPODB

Wiring Key

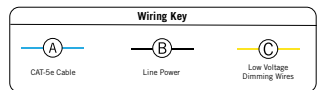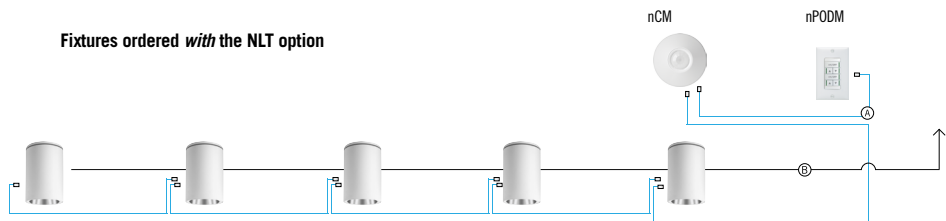| A	B	C
+24v DC Aux	Line Power	Low Voltage Dimming Wires

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 (XX)
On/Off two pole	nPODM 2P (XX)
On/Off & raise/lower single pole	nPOD DX (XX)
On/Off & raise/lower two pole	nPODM 2P DX (XX)
Graphic touchscreen	nPOD GFX (XX)

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

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