



General Illumination Wall Mount Cylinder

6"

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 option (WL), covered ceiling, IP66 option available, covered ceiling not required.
- 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*
- 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 ([UGR FAQ](#))

Distribution



Superior Performance

Nominal Lumens	250	500	750	1000	1500	2000	2500	3000	3500	4000	4500	5000	6000	8000
Delivered Lumens	297	519	776	994	1471	2006	2537	3077	3542	4027	4533	5256	6371	8247
Wattage	3.4	6.2	8.2	9.6	14.7	19.7	24.7	29.5	33.8	39.0	47.3	48.7	57.6	74.9
Lumens per Watt	87.4	83.7	94.6	103.5	100.1	101.8	102.7	104.3	104.8	103.3	95.8	107.9	110.6	110.1



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



A+ Capable options indicated by this color background.

Luminaire Type:

Catalog Number:

EXAMPLE: EVO6WC 35/15 AR MWD LSS MVOLT EZ1 JBX DN DWHG

Series	Color Temperature	Lumens	Reflector Color	Reflector Finish	Distribution	Voltage
EVO6WC EVO 6in Wall Mount Round Cylinder Open Downlight	27/ 2700 K	02 250 lumens	AR Clear	LSS Semi-specular	ASYM ² Asymmetric	MVOLT 120V - 277V
	30/ 3000 K	05 500 lumens	PR Pewter	LD Matte diffuse	VND Very narrow (0.5 s/mh)	120 120V
	35/ 3500 K	07 750 lumens	WTR Wheat	LS Specular	ND Narrow (0.7 s/mh)	277 277V
	40/ 4000 K	10 1000 lumens	GR Gold		MD Medium (0.9 s/mh)	347 ³ 347V
	50/ 5000 K	15 1500 lumens	WR ¹ White painted		MWD Medium wide (1.0 s/mh)	
		20 2000 lumens	BR ¹ Black		WD Wide (1.2 s/mh)	
		25 2500 lumens	WRAMF ¹ White anti-microbial			
		30 3000 lumens	BZR ¹ Dark Bronze painted			
		35 3500 lumens	TRALTBD ¹ Trim RAL # TBD (TBD for pricing only)			
		40 4000 lumens	TCPC ¹ Trim Custom Paint Color TBD (TBD for pricing only)			
		45 4500 lumens				
		50 5000 lumens				
		60 6000 lumens				
		80 8000 lumens				

Driver ⁴	Mounting	Fixture Orientation	Emergency Option
GZ10 0-10V driver dims to 10%	JBX Integral driver, Recessed or Surface J-box	DN Mounted with reflector pointing down	(blank) No emergency options
GZ1 0-10V driver dims to 1%		UP ⁷ Mounted with reflector pointing up	E6W 6W integral emergency battery (sidecar)
EZ10 eldoLED 0-10V ECOdrive. Linear dimming to 10% min.	JBXCC Integral driver, Surface J-box with Conduit Covers		E7WCP IOTA® 7W emergency battery (sidecar)
EZ1 eldoLED 0-10V ECOdrive. Linear dimming to 1% min.			E10WCP IOTA® 10W emergency battery (sidecar)
EZB eldoLED 0-10V SOLOdrive. Logarithmic dimming to <1%.			E10WCPR IOTA® 10W emergency battery with remote test switch (requires RGH)
EDAB ⁵ eldoLED SOLOdrive DALI. Logarithmic dimming to <1%.			E15WCP IOTA® 15W emergency battery (sidecar)
EDXB ^{5,6} eldoLED POWERdrive DMX with RDM (remote device management). Square Law dimming to <1%. Min: 1000LM; Max: 8000LM.			GTD IOTA® Generator Transfer Device. Specify 120V or 277V (requires RGH)
ECOD ⁵ Lutron® EcoSystem® digital Hi-Lume 1% soft-on, fade to black. Max: 8000LM except 4500LM.			
ELV ⁵ Electronic line voltage (120V only)			

Control Interface ⁸	Options	Architectural Colors - Powder Paint ¹³	
(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 Matte Black	DBLB Textured Black
NLTER ⁹ nLight® dimming pack for fixtures on emergency circuit	N80 nLight Lumen Compensation	DWH Gloss White	DWHG Textured White
NLTAIR2 nLight® AIR dimming pack.	HAO ¹⁰ HAO High Ambient Option (40°C)	DMB Matte Medium Bronze	DBNH Textured Bronze
NLTAIRER2 ⁹ nLight® AIR dimming pack for fixtures on emergency circuit	WL ¹¹ Wet Location	DNA Gloss Natural Aluminum	DNAT Textured Natural Aluminum
	IP66 ¹² Lensed, IP66 rated	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
			RALTBD Cylinder RAL # TBD (TBD for pricing only)
			CPC Cylinder Custom Paint Color TBD (TBD for pricing only)

ACCESSORIES — order as separate catalog numbers (shipped separately)

G COLORS KIT Architectural colors chip kit, consisting of powder-coat and plated finishes

ORDERING NOTES	
1. Not Available with Finishes.	8. Field installed. Access required to location of remote mounted device.
2. Requires UP option.	9. For use with generator supply EM power. Will require an emergency hot feed and normal hot feed.
3. Factory supplied step down transformer must be remote mounted. Access required to location of remote mounted device.	10. Only available up to 3500 lumens; not available with WL.
4. Refer to Tech 240 for compatible dimmers.	11. Not available with UP. Max: 3500LM.
5. Not Available with Control Interfaces.	12. IP66 should be selected if Wet Location is required with UP fixture orientation.
6. Includes terminator resistor.	13. For details on RAL and Custom colors please see Architectural colors
7. For indoor use, damp location only.	

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.

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%.

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. For wet location, specify WLL for lens.

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) or lensed (WLL).

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. *Not all configurations are Energy Star 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 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

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

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	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
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

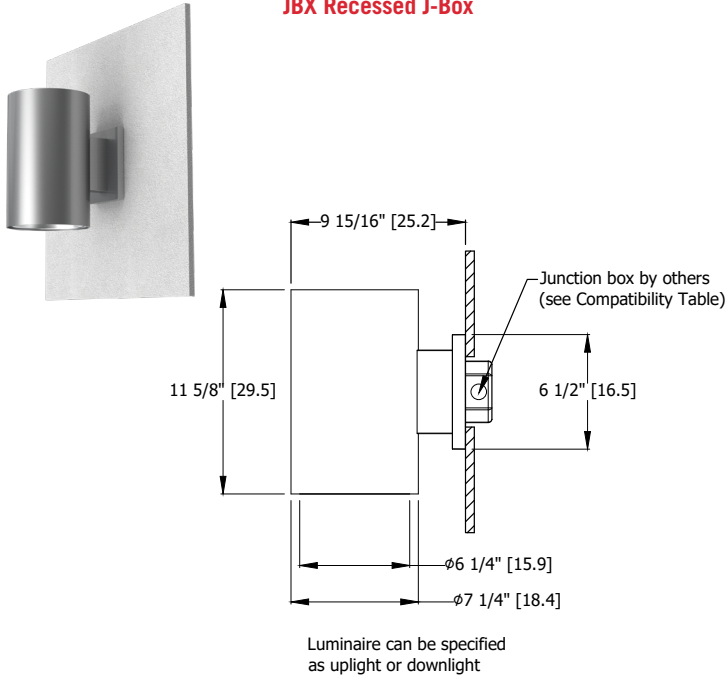


DWHG
TEXTURED
White

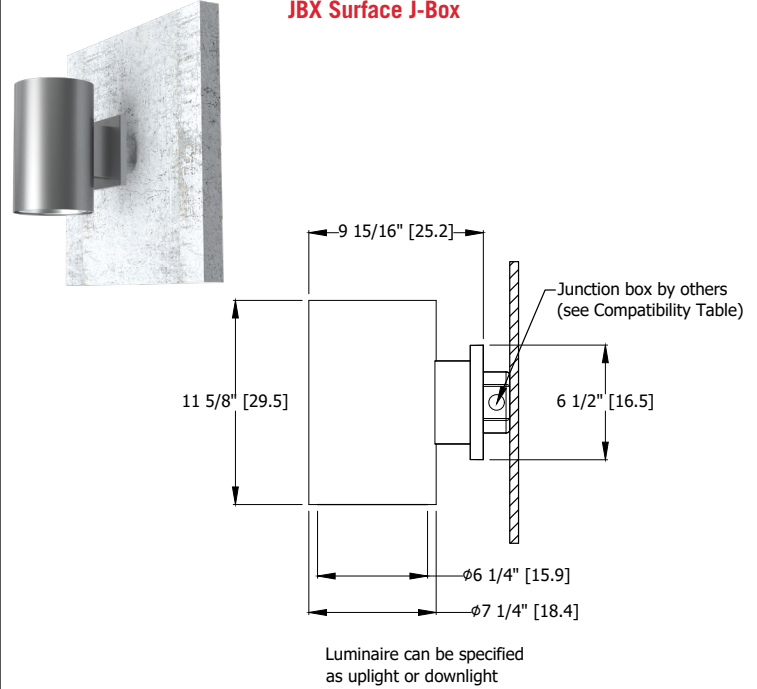
P86

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 always contact a Gotham representative for an accurate paint chip sample.

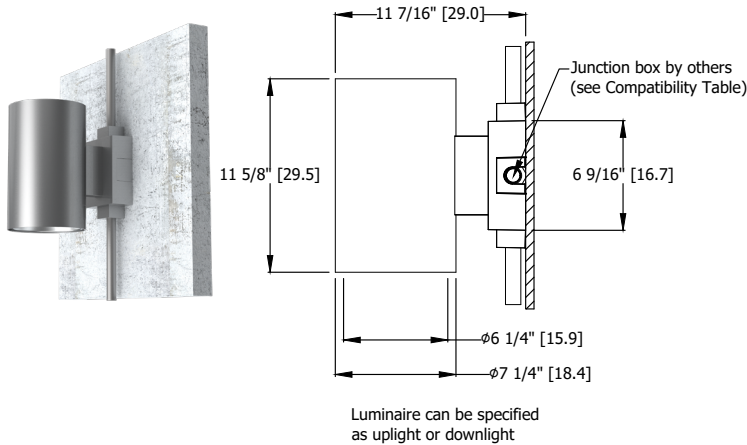
JBX Recessed J-Box



JBX Surface J-Box

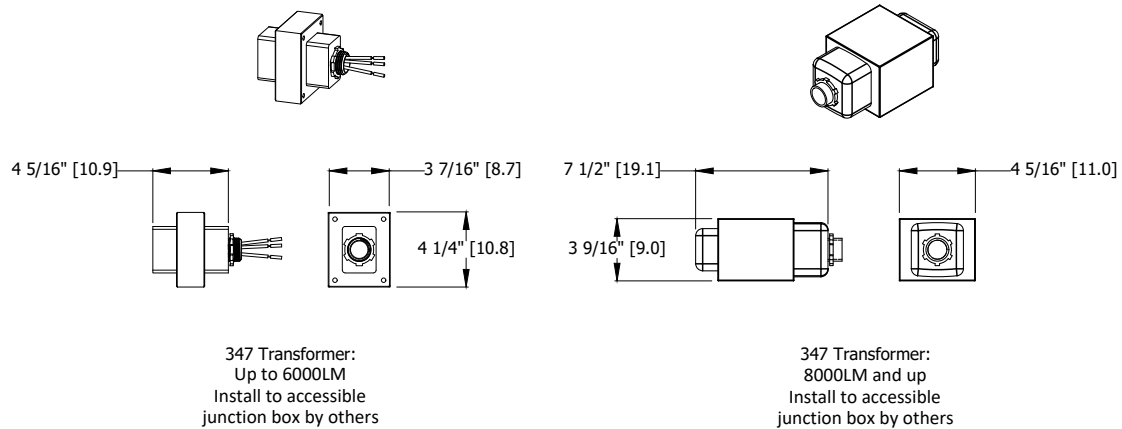


JBXCC Surface J-Box with Conduit Covers

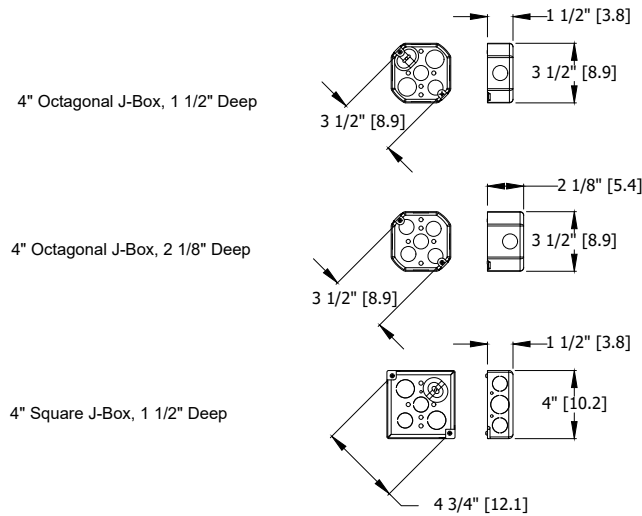


*Dimensions in inches [centimeters]

347V Stepdown Transformer



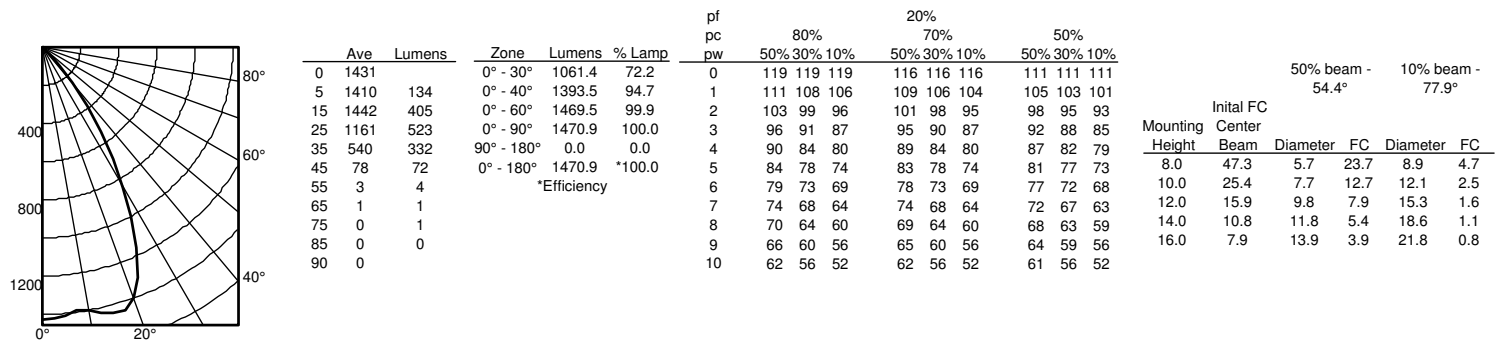
Junction Box Dimensions (by others)



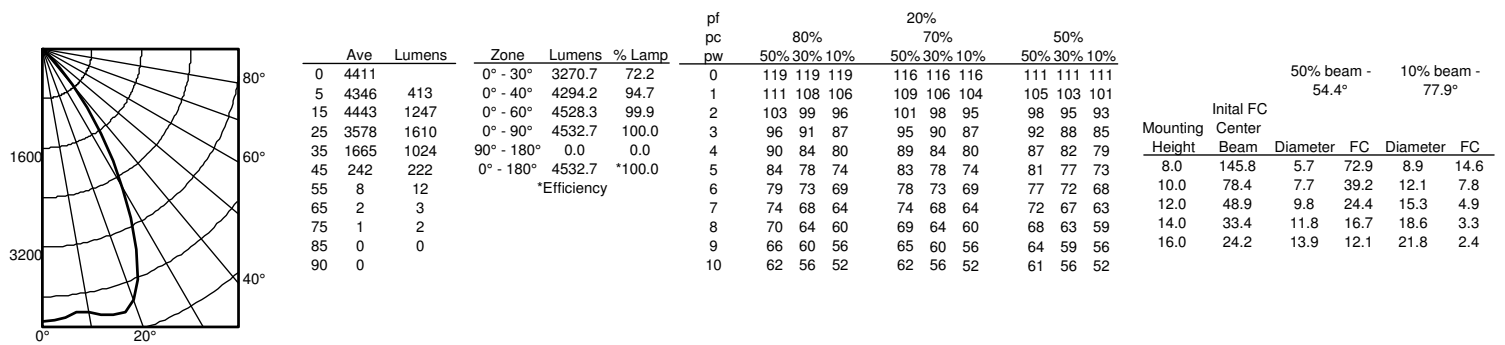
*Dimensions in inches [centimeters]

CONSULT WWW.GOTHAMLIGHTING.COM FOR ADDITIONAL PHOTOMETRY.

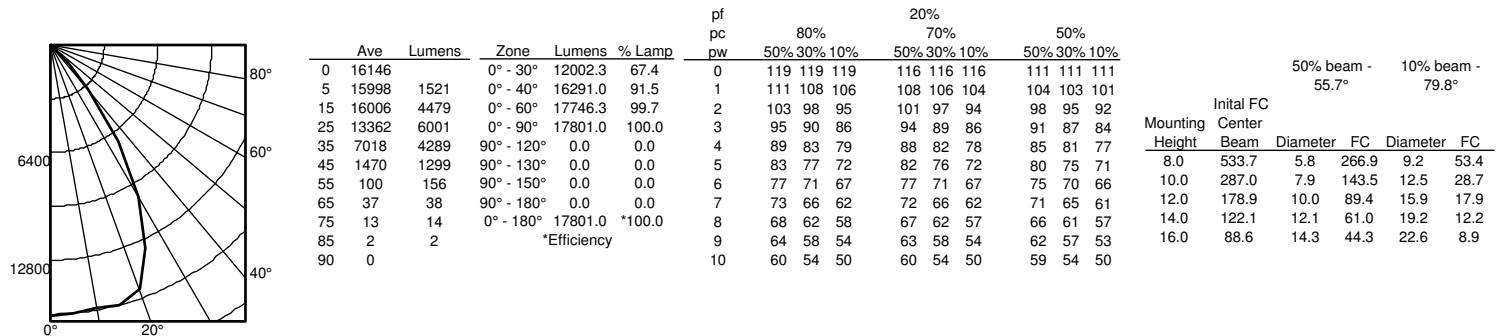
EVO6WC 35/15 AR MWD LS INPUT WATTS: 14.7, DELIVERED LUMENS: 1471LM, LPW= 100, 1.03 S/MH, TEST NO. LTL27783P



EVO6WC 35/45 AR MWD LS INPUT WATTS: 47.3, DELIVERED LUMENS: 4532.7LM, LPW= 95.8, 1.03 S/MH, TEST NO. LTL27783P



EVO6WC 35/175 AR MWD LS INPUT WATTS: 175.3, DELIVERED LUMENS: 17801LM, LPW=101.5, 1.06 S/MH, TEST NO. ISF 34035P



Distributions		
Nomenclature	Beam Angle	Field Angle
VND	30	64
ND	44	69
MD	54	82
MWD	67	89
WD	71	92

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

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

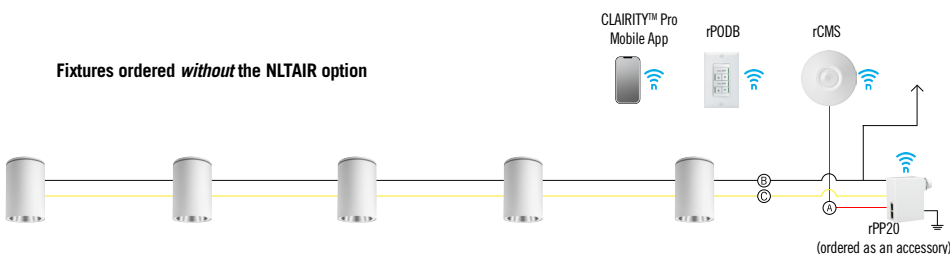
nLight® AIR Control Accessories (cont.)

Occupancy Sensors (PIR/dual tech)

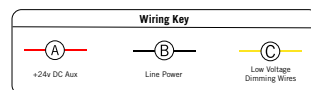
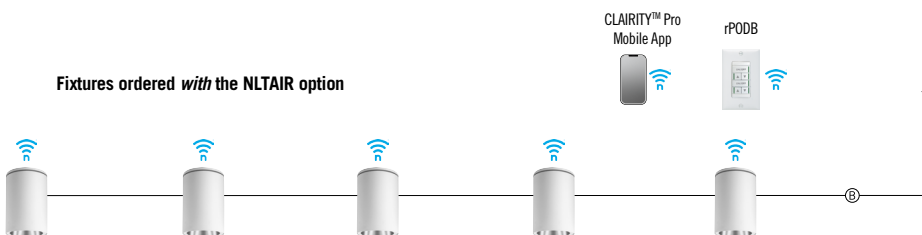
Model Number	
Small motion 360°, ceiling	rCMS 9 / rCMS PDT 9
Large motion 360°, ceiling	rCMS 10 / rCMS PDT 10

Possibilities for nLight® AIR

Fixtures ordered without the NLTAIR option



Fixtures ordered with the NLTAIR option



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
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nLight® Wired Control Accessories (cont.)

Occupancy Sensors (PIR/dual tech)

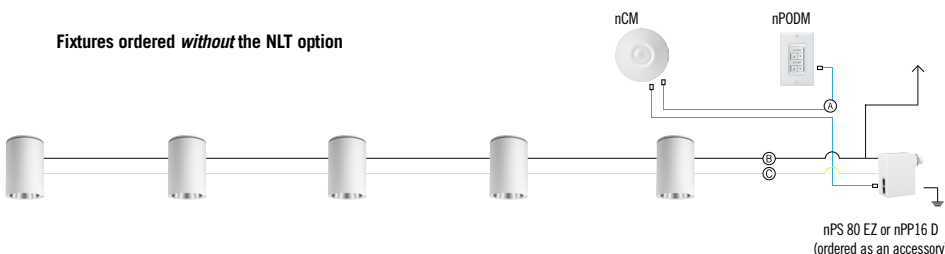
Model Number	
Small motion 360°, ceiling	nCM 9 / nCM PDT 9
Large motion 360°, ceiling	nCM 10 / nCM PDT 10
Wide View	nWV 16 / nWV PDT 16
Wall switch with raise/lower	nWSX LV DX / nWSX PDT LV DX

Cat-5 Cables (plenum rated)

10', CAT5	CAT5 10FT J1
15', CAT5	CAT5 15FT J1

Possibilities for nLight® wired

Fixtures ordered without the NLT option



Fixtures ordered with the NLT option

