



General Illumination Cylinder

8"

Feature Set

- Bounding Ray™ optical design
- Unitized optics mechanically attach the light engine to the lower reflector for complete optical alignment.
- 45° cutoff to source and source image
- Fully serviceable and upgradeable lensed LED light engine
- 70% lumen maintenance at 60,000 hours
- 2.5 SDCM; 85 CRI typical, 90+ CRI optional
- Fixtures are wet location, covered ceiling
- Available with 10% dimming, 1% dimming, or dim to dark
- Batwing distribution with feathered edges provides even illumination on horizontal and

Distribution



Superior Performance

Nominal Lumens	2000	2500	3000
Delivered Lumens	2,287	2,964	3,398
Wattage	31.6	41.1	47.1
Efficacy	72.5	72	72.2



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: EV08CYL 35/10 AR MWD LSS MVOLT EZ1 PM DWHG

Series	Color Temperature	Nominal Lumen Values	Reflector & Flange Color	Trim Style	Distribution ²
EV08CYL	27/ 2700 K	20 2000 lumens	AR Clear	(blank) Self-flanged	VND Very Narrow (0.5 s/mh)
	30/ 3000 K	25 2500 lumens	PR Pewter	W Wallwash	MD Medium (0.9 s/mh)
	35/ 3500 K	30 3000 lumens	WTR Wheat		ND Narrow (0.7 s/mh)
	40/ 4000 K		GR Gold		MWD Medium Wide (1.0 s/mh)
			WR ¹ White		WD Wide (1.2 s/mh)
			BR ¹ Black		
			WRAMF ¹ White Anti-microbial		

Finish	Voltage	Driver ³	Control Interface
LSS Semi-specular	MVOLT	GZ10 0-10V driver dims to 10%	NLT ^{5,7} nLight® dimming pack controls
LD Matte-diffuse	120	GZ1 0-10V driver dims to 1%	NLTER ^{5,6,7} nLight® dimming pack controls emergency circuit
LS Specular	277	EZ10 eldoLED 0-10V EC0drive. Linear dimming to 10% min.	NLTAIR2 ^{7,9} nLight® AIR enabled
		EZ1 eldoLED 0-10V EC0drive. Linear dimming to 1% min.	NLTAIRER2 ^{6,7,9} nLight® AIR enabled emergency
		EZB eldoLED 0-10V SOLOdrive. Logarithmic dimming to <1%.	EXA1 ⁸ XPoint Wireless, eldoLED driver. Linear dimming to 1%
		EDAB ⁴ eldoLED SOLOdrive DALI. Logarithmic dimming to <1%.	EXAB ⁸ XPoint Wireless, eldoLED driver. Logarithmic dimming to dark
		EDXB ⁴ eldoLED POWERdrive DMX with RDM (remote device management). Square Law dimming to <1%. Includes termination resistor. Refer to DMXR Manual	
		ECOD ⁴ Lutron Ecosystem digital Hi-Lume 1% soft-on, fade to black. Maximum 2500 lumens.	

Mounting	Options
FCM Ceiling mount	SF Single fuse. Specify 120V or 277V.
WM ¹⁰ Wall mount	90CRI High CRI (90+)
PM Pendant 3/8" thread mount	Architectural Colors - Powder Paint ¹²
ACC ¹¹ 10ft aircraft cable and cord mount	DWHG Matte White (standard)
ACC180 ¹¹ 15ft aircraft cable and cord mount	DDB Dark Bronze
	DBL Black
	DWH Gloss White
	DMB Medium Bronze
	DNA Natural Aluminum
	DSS Sandstone
	DGC Charcoal Grey
	DTG Tennis Green
	DBR Bright Red
	DSB Steel Blue

ACCESSORIES — order as separate catalog numbers (shipped separately)

CYS ¹³	3/8" stem and canopy with 5° "hang straight" swivel
CRS ¹³	3/8" stem and canopy with 45° swivel
CYSX ¹³	3/8" stem and canopy with 5° "hang straight" swivel. Use this nomenclature when ordering EDXB driver
CRSX ¹³	3/8" stem and canopy with 45° swivel. Use this nomenclature when ordering EDXB driver
SDT 347/120 75VA ¹⁴	347V Step-down transformer

ORDERING NOTES

1. Not available with finishes.

2. Not available with wallwash trim type.

3. Refer to [TECH-240](#) for compatible dimmers.

4. Not available with nLight® and XPoint options.

5. Specify voltage.

6. ER for use with generator supply power. Will require an emergency hot feed and normal hot feed.

7. Interface remote mounted.

8. XPoint® CMRB ships separately.
9. Not available DALI or DMX drivers. Not available with CP, NL, NLTER.

10. Access panel (supplied by others) recommended for use with nLight® and XPoint®.

11. White cord with white housings. All others black cord.

12. Additional architectural colors available; see [www.lithonia.com/archcolors](#).

13. Color and length of stem must be specified (from 6" to 240" in even increments in maximum sections of 48"). Ex.: CYS06 DWHG. Ceiling attachment for interior use. Consult factory for exterior use. Wire not included.

14. Transformer must be field-installed to an accessible remote-mounted junction box.

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. Unitized optics shall have mechanical attachment of the light engine to the lower reflector for complete optical alignment.

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. 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 wireless network 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

Heavy-gauge aluminum construction
Ceiling mount and wall mount for direct installation to 4" octagonal or square junction box
Pendant mount entry for 3/8" National Pipe Thread stem; wires supplied by others
Unique mounting mechanism at top of cylinders for easy one-person installation
EDXB driver includes 3-foot DMX signal cable when ordered with FCM or WM mounting option. Fixture includes 10-foot DMX signal cable when ordered with PM or ACC mounting option.
ACC180 provided with 15' 5-wire cord for power and 0-10V dimming

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, wet location covered ceiling.

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 60,000 hours and operate within a tolerance of <2.5 MacAdam ellipse as defined by a point at the intersection of the CCT line and the black body locus line in CIE chromaticity space.

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 capability with simple commissioning when used with Acuity Brands controls products.

All configurations of this luminaire are calibrated and tested to 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.

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
EXA1	1%	Linear	Linear/Logarithmic
EZB	<1%	Logarithmic	Linear
EDAB	<1%	Logarithmic	Linear
EXAB	<1%	Logarithmic	Linear
EDXB	<1%	Square	Linear

Lumen Output Multiplier		
CRI	CCT	Multiplier
80	2700K	0.96
	3000K	1.00
	3500K	1.00
	4000K	1.01
90	2700K	0.80
	3000K	0.83
	3500K	0.85
	4000K	0.87

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

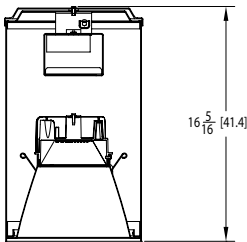
Distributions		
Nomenclature	Beam Angle	Field Angle
VND	30	64
ND	44	69
MD	54	82
MWD	67	89
WD	71	92

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

DIMENSIONAL DATA

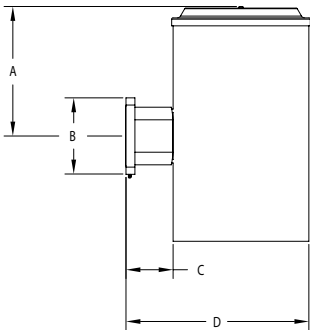
*Dimensions in inches [centimeters]

Top Mount (FCM/PM/ACC)



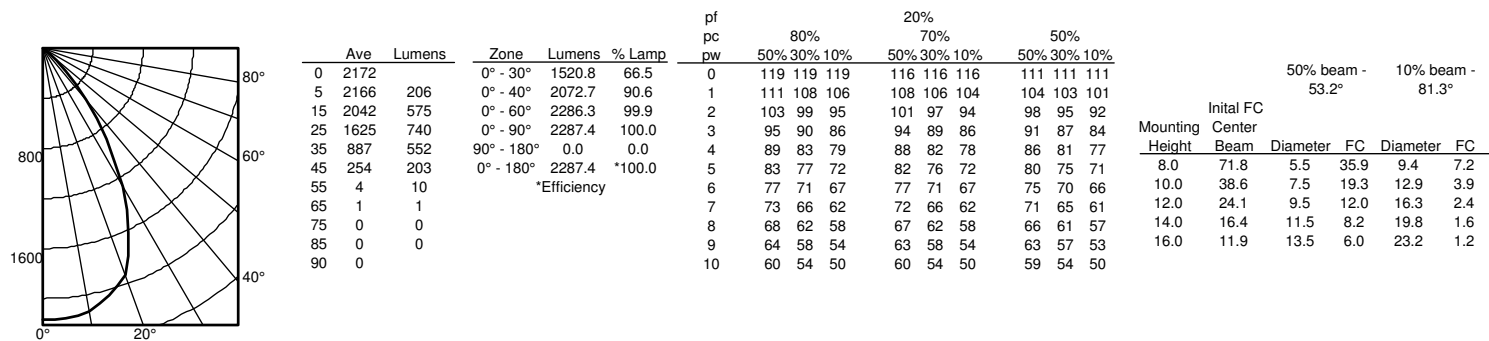
Reflector aperture: 8 (20.3)
Housing diameter: 9-1/4 (23.5)

Wall Mount (WM)

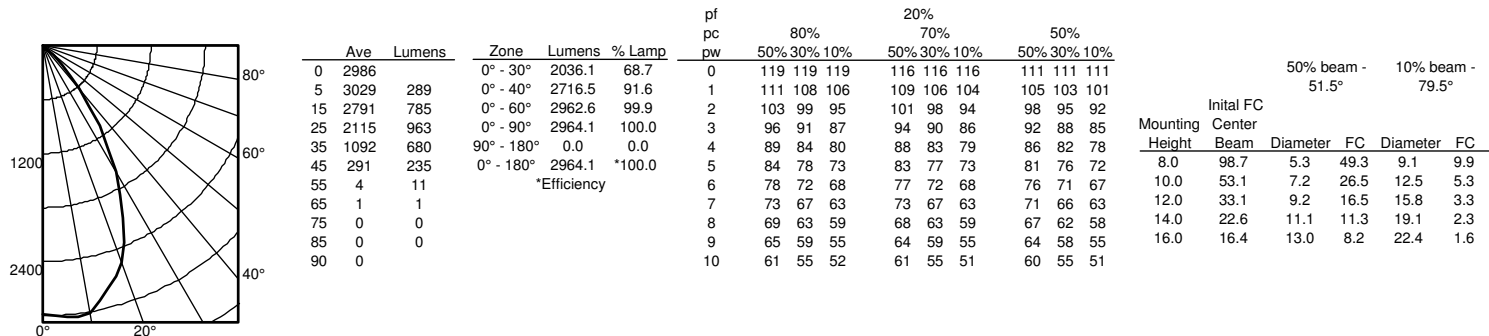


Wall mount dimensions
A = 8 (20.3)
B = 5-5/16 (13.5)
C = 3-1/4 (8.3)
D = 12-5/8 (32.1)

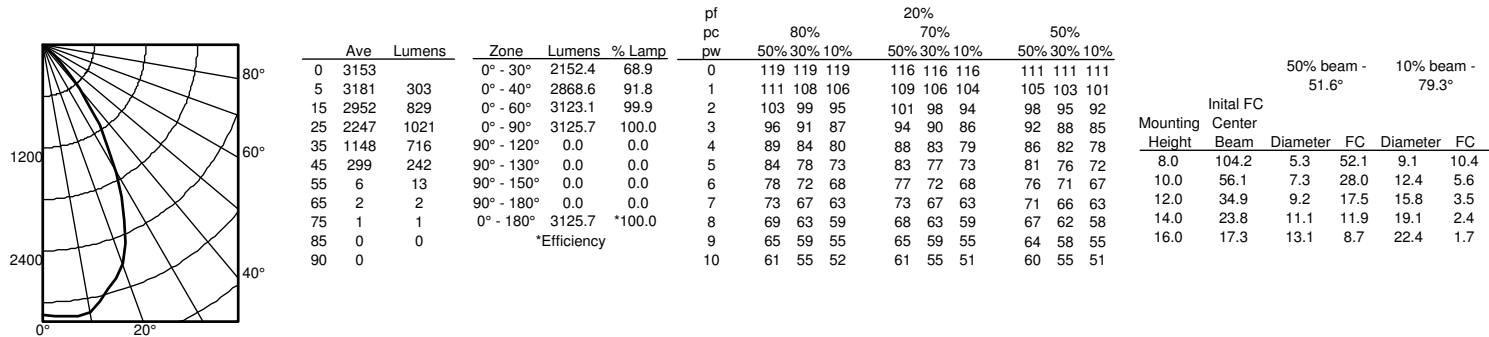
EV08 30/20 AR MWD LS INPUT WATTS: 31.5, DELIVERED LUMENS: 2287.4, LPW= 72.6, 1 S/MH, TEST NO. LTL27655P301



EV08 30/25 AR MWD LS INPUT WATTS: 41, DELIVERED LUMENS: 2964, LPW = 72.3, 0.98S/MH, TEST NO. LTL27654P200



EV08 30/30 AR MWD LS INPUT WATTS: 42.3, DELIVERED LUMENS: 3125.8, LPW=73.8, 0.99 S/MH, TEST NO. 27848P202



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

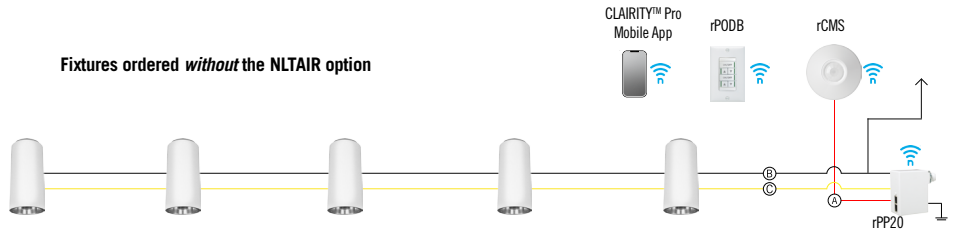
nLight® AIR Control Accessories (cont.)

Occupancy Sensors (PIR/dual tech)

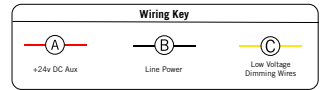
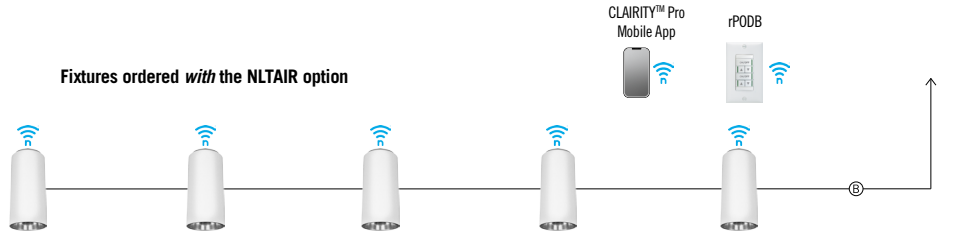
Model Number	
Small motion 360°, ceiling	rCMS 9 / rCMS PDT 9
Large motion 360°, ceiling	rCMS 10 / rCMS PDT 10

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)

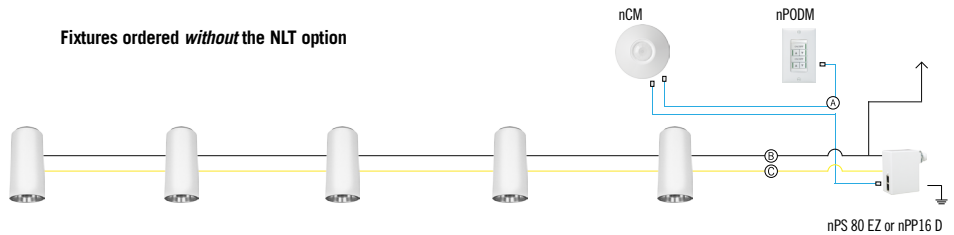
Model Number	
Small motion 360°, ceiling	nCM 9 / nCM PDT 9
Large motion 360°, ceiling	nCM 10 / nCM PDT 10
Wide View	nWV 16 / nWV PDT 16
Wall switch with raise/lower	nWSX LV DX / nWSX PDT LV DX

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

