

General Illumination Wall Mount Cylinder Wallwash 4"

OVERVIEW

Feature Set

- Bounding Ray™ optical design
- 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



Superior Performance

Nominal Lumens	250	500	750	1000	1500	2000	2500	3000	3500	4000	4500	5000
Delivered Lumens	153	324	457	564	853	1116	1458	1758	2042	2301	2561	2818
Wattage	3.0	6.9	7.5	8.4	14.0	18.8	23.5	28.1	32.2	33.7	38.2	42.6
Lumens per Watt	51.9	47.2	60.7	67.2	60.9	59.5	62.0	62.6	63.4	68.3	67.1	66.2



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		

A+ Capable options indicated by this color background.

Luminaire Type:

Catalog Number:

EXAMPLE: EVO4WCWW 35/15 AR LSS MVOLT EZ1 JBX DN DWHG

Series	Color Temperature	Lumens	Reflector Color	Reflector Finish	Voltage
EVO4WCWW EVO 4in Wall Mount Round Cylinder Wall Wash	27/ 2700 K	02 250 lumens	AR Clear	LSS Semi-specular	MVOLT 120V - 277V
	30/ 3000 K	05 500 lumens	PR Pewter	LD Matte diffuse	120 120V
EVO4WCCWW EVO 4in Wall Mount Round Cylinder Corner 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
EVO4WCDWW EVO 4in Wall Mount Round Cylinder Double Wall Wash	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			

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%		
EZ10 eldoLED 0-10V ECOdrive. Linear dimming to 10% min.	JBXCC Integral driver, Surface J-Box with Conduit Covers	UP Mounted with reflector pointing up
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: 4000LM		
ECOS2 ⁵ Lutron® Hi-Lume® 2-wire forward-phase driver. 120V Only. Minimum dimming level 1%. Min: 1000LM; Max:2500LM.		
ECOD ⁵ Lutron® EcoSystem® digital Hi-Lume 1% soft-on, fade to black. Min: 250; Max: 4000LM.		
ELV ⁵ Electronic line voltage / Forward phase / Triac dimming, 120V Only. Min: 250LM; Max: 5000LM.		

Control Interface ⁶	Options	Architectural Colors - Powder Paint ¹¹																				
(blank) No controls	SF Single fuse. Specify 120V or 277V.	<table border="0"> <tr> <td>DDB Gloss Dark Bronze</td> <td>DDBT Textured Dark Bronze</td> </tr> <tr> <td>DBL Gloss Black</td> <td>DBLB Matte Black</td> </tr> <tr> <td>DWH Gloss White</td> <td>DWHG Textured White</td> </tr> <tr> <td>DMB Gloss Medium Bronze</td> <td>DBNH Textured Bronze</td> </tr> <tr> <td>DNA Gloss Natural Aluminum</td> <td>DNAT Textured Natural Aluminum</td> </tr> <tr> <td>DSS Gloss Sandstone</td> <td>DSST Textured Sandstone</td> </tr> <tr> <td>DGC Gloss Charcoal Grey</td> <td>DSPD Textured Dark Grey</td> </tr> <tr> <td>DTG Gloss Tennis Green</td> <td>DSPE Textured Green</td> </tr> <tr> <td>DBR Gloss Bright Red</td> <td>DSPH Textured Light Red</td> </tr> <tr> <td>DSB Gloss Steel Blue</td> <td>DWHAMF Gloss White with Anti-microbial finish</td> </tr> </table>	DDB Gloss Dark Bronze	DDBT Textured Dark Bronze	DBL Gloss Black	DBLB Matte Black	DWH Gloss White	DWHG Textured White	DMB Gloss Medium Bronze	DBNH Textured Bronze	DNA Gloss Natural Aluminum	DNAT Textured Natural Aluminum	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
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NLT nLight® dimming pack.	90CRI High CRI (90+)																					
NLTER ⁷ nLight® dimming pack for fixtures on emergency circuit	N80 nLight Lumen Compensation																					
NLTAIR2 nLight® AIR dimming pack.	HAO ⁸ HAO High Ambient Option (40°C)																					
NLTAIRER2 ⁷ nLight® AIR dimming pack for fixtures on emergency circuit	WL ⁹ Wet Location																					

ORDERING NOTES

- Not Available with Finishes.
- Factory supplied step down transformer must be remote mounted. Access required to location of remote mounted device.
- Refer to [Tech 240](#) for compatible dimmers.
- Includes terminator resistor. Not available with 250-750 lumen packages.
- Not Available with Control Interfaces.
- Field installed. Access required to location of remote mounted device.
- 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.
- Only available up to 2500 lumens; up to 2000 lumens wet location. Not Available with ECOS2.
- Not available with UP.
- For details on RAL and Custom colors please see [Architectural colors](#).

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

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 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

Control Provided (note: 347V/UVOLT versions provided with 347 option selected)					
Driver		NLT	NLTER	NLTAIR2	NLTAIRER2
Nomenclature	Description				
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

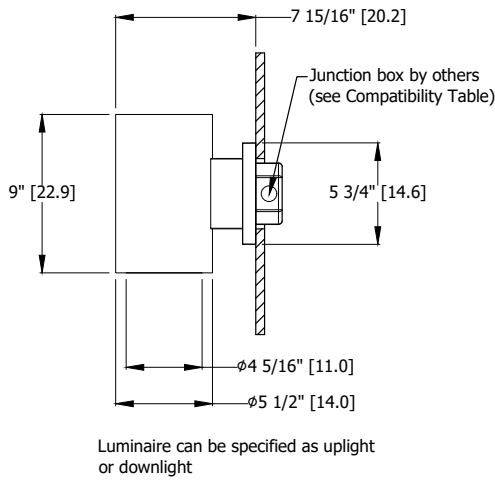
J-box Compatibility Matrix		Cylinder Configurations	
		JBX	JBX w/EDXB Driver
Recommended J-box (by others)	4" Octagonal 4x4x1.5 deep"	✓	✗
	4" Octagonal 4x4x2.125 deep	✓	✓
	4" Square 4x4x1.5 deep	✓	✗

Standard Architectural Color Options for Cylinder Bodies

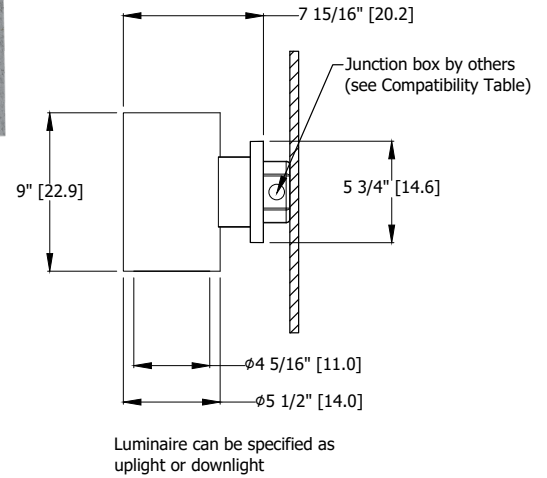
NOTE: These colors were carefully reproduced to give as true a depiction as possible of finished product color. Some colors, however, may vary slightly from actual appearance due to display/printing variations and limitations. Please always contact a Gotham representative for an accurate paint chip sample.

DIMENSIONAL DATA

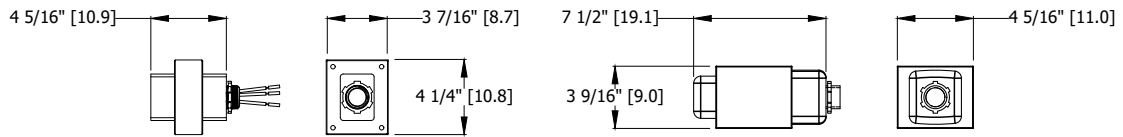
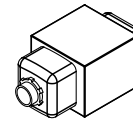
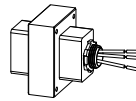
JBX Recessed J-Box



JBX Surface J-Box



347V Stepdown Transformer

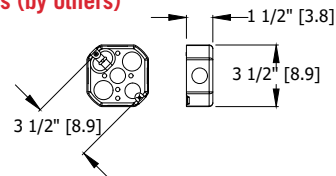


347 Transformer:
Up to 6000LM
Install to accessible
junction box by others

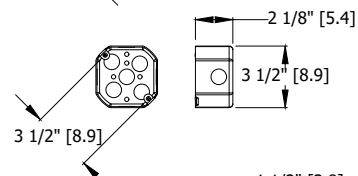
347 Transformer:
8000LM and up
Install to accessible
junction box by others

Junction Box Dimensions (by others)

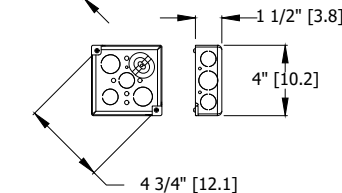
4" Octagonal J-Box, 1 1/2" Deep



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



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

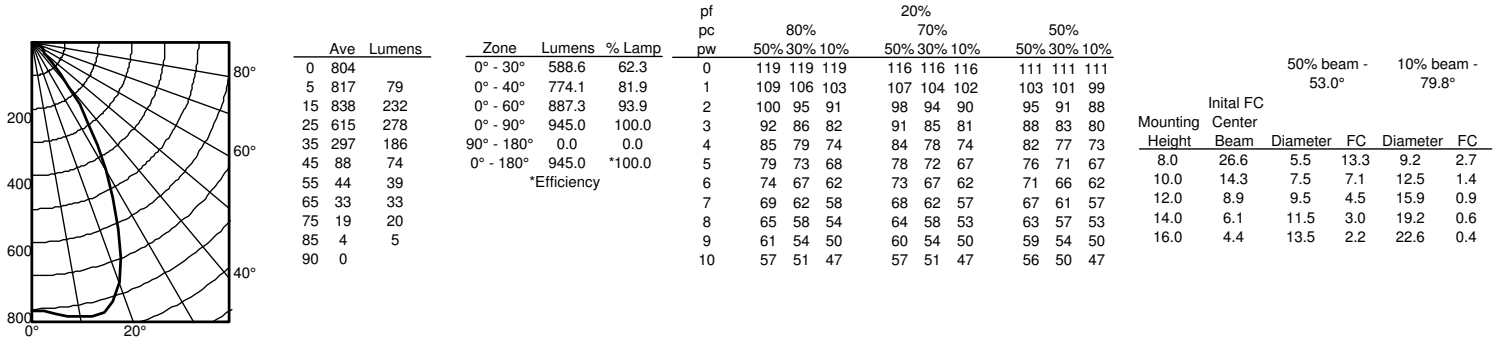


*Dimensions in inches [centimeters]

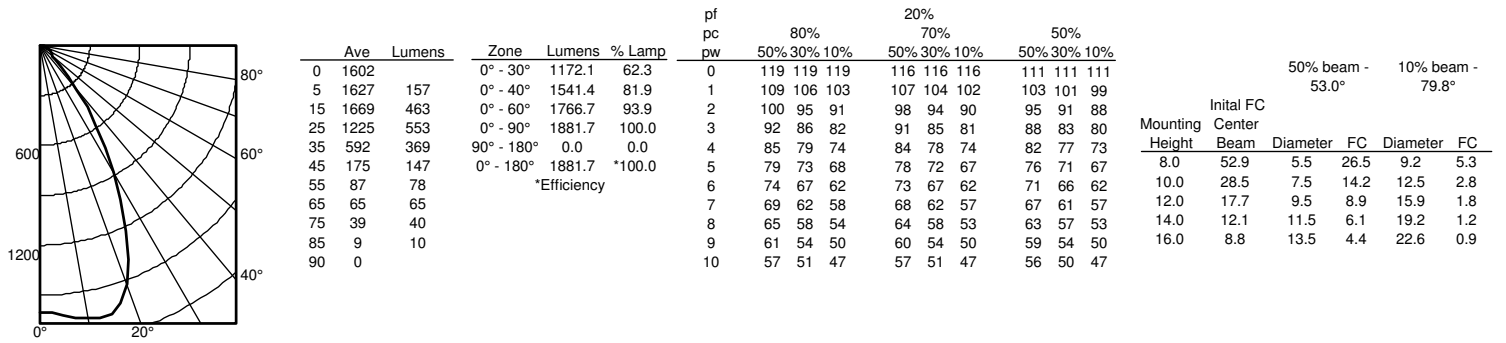
Photometry

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

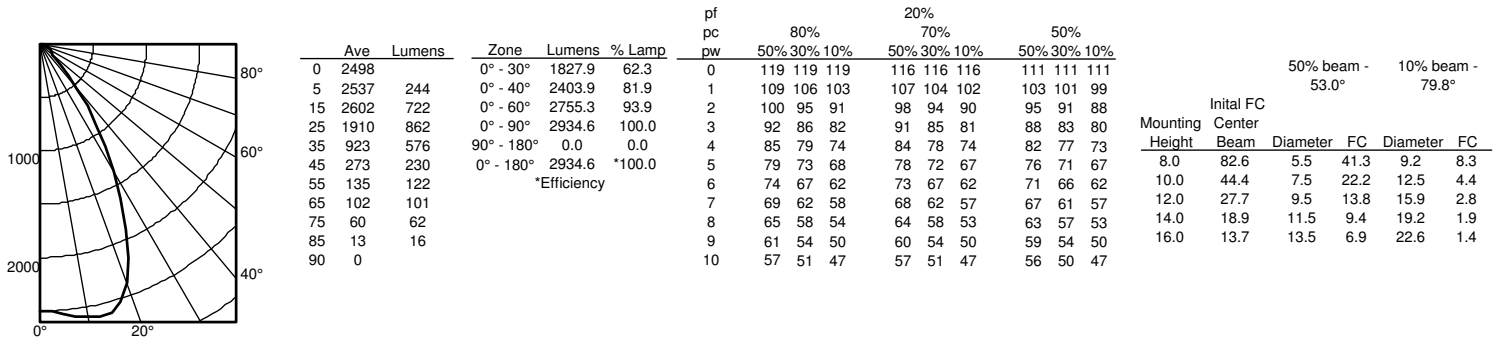
EVO4WW 35/10 AR LS INPUT WATTS: 8.8, DELIVERED LUMENS: 945LM, LPW= 107.4, 0.82 S/MH, TEST NO. LTL27805P317



EVO4WW 35/20 AR LS INPUT WATTS: 19.7, DELIVERED LUMENS: 1881.6LM, LPW= 95.5, 0.82 S/MH, TEST NO. LTL27805P365



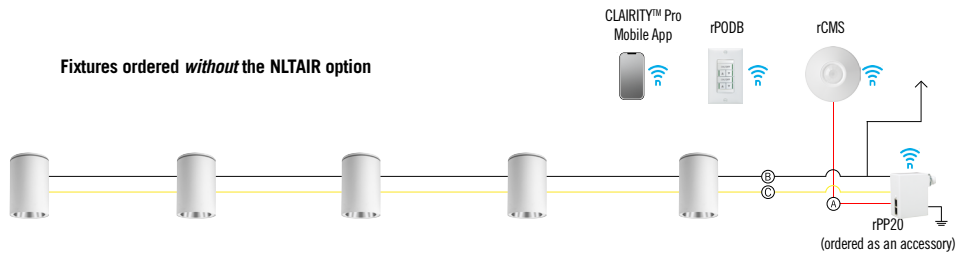
EVO4WW 35/30 AR LS INPUT WATTS: 29.5, DELIVERED LUMENS: 2934.5LM, LPW= 99.5, 0.82 S/MH, TEST NO. LTL27805P413



NLIGHT AIR

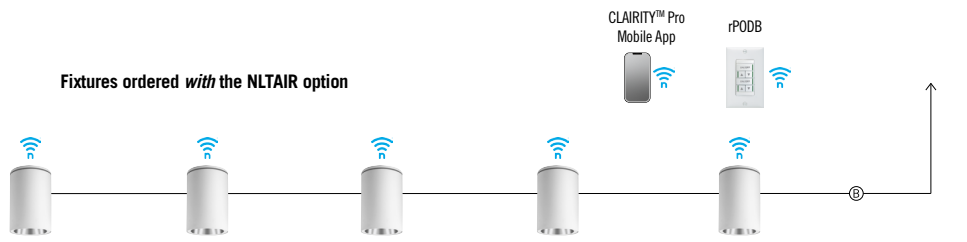
Possibilities for nLight® AIR

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.



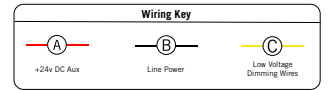
nLight® AIR Control Accessories
Order as separate catalog number. Visit [nLight AIR](#).

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.)

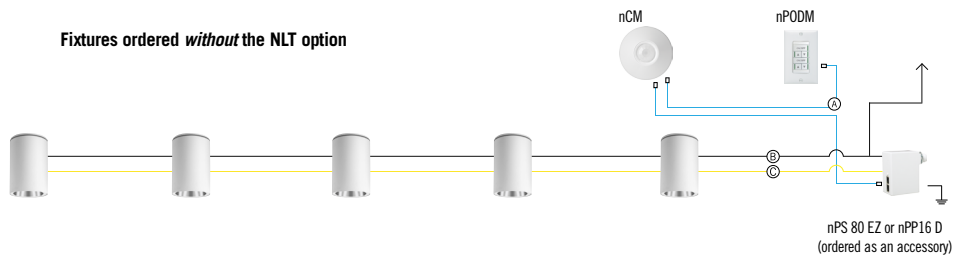
Occupancy Sensors (PIR/dual tech)	Model Number
Small motion 360°, ceiling	rCMS 9 / rCMS PDT 9
Large motion 360°, ceiling	rCMS 10 / rCMS PDT 10



NLIGHT

Possibilities for nLight® wired

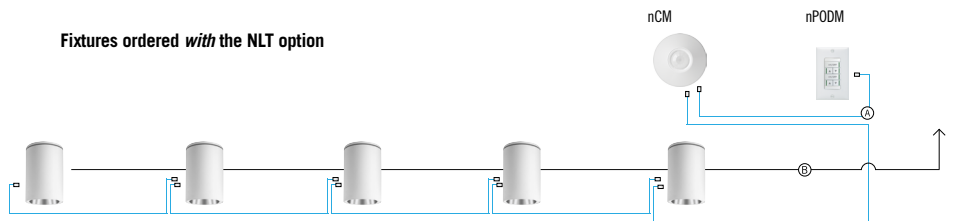
nLight® Wired The nLight® solution is a digital networked lighting control system that provides both energy savings and increased user configurability by cost effectively integrating time-based, daylight-based, sensor-based and manual lighting control schemes.



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	Model Number
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)	Model Number
10', CAT5	CAT5 10FT J1
15', CAT5	CAT5 15FT J1

