



General Illumination Pendant Cord Cylinder

2"



Feature Set

- Batwing distribution with feathered edges provides even illumination on horizontal and vertical surfaces
- Bounding Ray™ optical design
- 50° Cutoff to source and source image
- Field interchangeable optic
- Driver and LED light engine fully serviceable from below ceiling
- 70% lumen maintenance at 60,000 hours
- 2.5 SDCM; 85 CRI typical, 90+ CRI optional
- Wet Location (WL) optional, requires covered ceiling.
- 20 standard colors in textured and gloss finish; custom or RAL colors also available

Distribution



Superior Performance

Nominal lumens	250	500	750	1000	1500	2000
Delivered	265	540	802	1073	1537	2094
Wattage	3.4	6.3	9.7	12.7	21.2	31.7
Efficacy	78	85	83	84	73	66

*Based on 3500K 80CRI MWD AR LSS

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



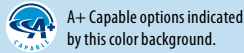
Clean Room



Shower



Steam Room



Luminaire Type:

Catalog Number:

EXAMPLE: EV02CC 35/10 AR LSS MWD MVOLT UGZ RGH C120 DWHG

Series	Color Temperature	Lumens	Reflector Color	Reflector Finish	Distribution
EV02CC EVO 2in Round Pendant Cord Cylinder Open Downlight	27/ 2700 K	02 250 lumens	AR Clear	LSS Semi-specular	ND Narrow (0.8 s/mh)
	30/ 3000 K	05 500 lumens	PR Pewter	LD Matte diffuse	MWD Medium Wide (1.0 s/mh)
	35/ 3500 K	07 750 lumens	WTR Wheat		WD Wide (1.2 s/mh)
	40/ 4000 K	10 1000 lumens	GR Gold		
	50/ 5000 K	15 1500 lumens	WR ² White painted		
		20 2000 lumens	BR ² Black painted		
			BZR ² Dark Bronze painted		

Voltage	Driver	Mounting	Canopy Type ⁵	Cord Length ⁶
MVOLT 120V - 277V	UGZ ³ Universal dimming to 1% (0-10V, 120V TRIAC or ELV)	RGH ⁴ Recessed Gear Housing	CCAN 5° Cord canopy with "hang straight" swivel	C120 10' Mounting Cord
120 120V		SGB Surface Gear Box	CCAN45 45° Cord canopy with "hang straight" swivel	C180 15' Mounting Cord
277 277V		SGBPR Surface Gear Box with Concealed Plaster Ring		C240 20' Mounting Cord
		SGBCC Direct Conduit Surface Gear Box		
		JBXCC ⁵ Surface J-Box with Conduit Covers		

Control Interface ⁷	Options	Architectural Colors - Powder Paint ¹¹	
(blank)	90CRI ¹ High CRI (90+)	DDB Gloss Dark Bronze	DDBT Textured Dark Bronze
NLT nLight® dimming pack.	N80 ⁹ nLight Lumen Compensation	DBL Matte Black	DBLB Textured Black
NLTER ⁸ nLight® dimming pack for fixtures on emergency circuit	WL ¹⁰ Wet Location	DWH Gloss White	DWHG Textured White
NLTAIR2 nLight® AIR dimming pack.		DMB Matte Medium Bronze	DBNH Textured Bronze
NLTAIRER2 ⁸ nLight® AIR dimming pack for fixtures on emergency circuit		DNA Gloss Natural Aluminum	DNAT Textured Natural Aluminum
NLTAIREM2 nLight® AIR dimming pack for fixtures on emergency circuit		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

ACCESSORIES — order as separate catalog numbers (shipped separately)

GCOLORS KIT	Architectural colors chip kit, consisting of powder-coat and plated finishes.
HS234FL	Hole saw for RGH option
SDT 347/120 75VA	347V/120V, 75VA step down transformer. Must be remote mounted.

ORDERING NOTES

- 5000K CCT not available with 90CRI.
- Not available with Reflector Finish.
- Refer to [Tech 240](#) for compatible dimmers.
- RGH with 2000LM option requires 120 or 277 (non-IC).
- Required for use only with JBXCC "Mounting" option.
- Cord is field cuttable. DWHG and DWH ship with white cord; DBL and DBLB ships with black cord; all others ship with grey cord.
- Field installed. Access required to location of remote mounted device
- ER for use with generator supply power. Will require an emergency hot feed and normal hot feed.
- Requires NLT or NLTER.
- Not available with SGBCC or JBXCC.
- For details on RAL and Custom colors please see [Architectural colors](#).

Optical and Trim 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 50° cutoff to source and source image. Top down flash characteristic for superior glare control.

Superior 100% Virgin-silicone refractive optic, enables maximum dimensional stability and optical transmission with no discoloration over life. Field interchangeable optics.

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.

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 – 1.0% of rated lumen output with a smooth shut off function to step to 0%.

Driver is inaudible in 24dB environment, and stable when input voltage conditions fluctuate over what is typically experienced in a commercial environment.

Construction

Surface Gear Box (SGB) for direct installation to 4" recessed or surface octagonal (by others).

Recessed Gear Housing (RGH) ships with driver box for recessed or surface installation.

Die cast with flangeless reflector allows flow-through passive thermal management.

Accommodates between 3/8" to 3"-thick ceilings.

WARNING: All pendant fixtures exposed to wind require tethering – contact factory.

Listings

Fixtures are UL 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 (WL) optional, covered ceiling only.

RGH option is IC rated up to 1500LM

Government Procurement

BAA - Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations

BABA - Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act

Please refer to www.acuitybrands.com/buy-american for additional information.

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.

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

Tables of Use

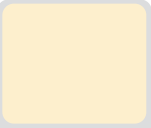
Lumen Output Multiplier		
CRI	CCT	Multiplier
80	2700K	0.910
	3000K	0.946
	3500K	1.000
	4000K	1.027
	5000K	1.054
90	2700K	0.784
	3000K	0.847
	3500K	0.874
	4000K	0.946

Reflector Finish Multiplier	
Reflector Finish	Multiplier
LSS - Semi Specular	1.00
LD - Matte Diffuse	0.98
Reflector Color	Multiplier
WR - White	0.98
BR - Black	0.92
BZR - Bronze	0.91
AR - Clear	1.00
GR - Gold	0.99
PR - Pewter	0.99
WTR - Wheat	0.98

Driver		Control Provided				
Nomenclature	Description	NLT	NLTER	NLTAIR2	NLTAIREM2	NLTAIRER2
UGZ	0-10V driver dims to 1%	nPP16 D EFP	nPP16 D ER EFP	RPP20 D 24V G2	RPP20 D 24V EM G2	RPP20 D 24V ER G2

J-box Compatibility Matrix		Cylinder Configurations	
		SGB	RGH
Recommended J-box (by others)	4" Octagonal 4x4x1.5 deep (by others)	✓	✗
	4" Octagonal 4x4x2.125 deep (by others)	✓	✗
	Factory Provided Gear Box (4" Square 4x4x1.5 deep)	✗	✓

Standard Architectural Color Options for Cylinder Bodies



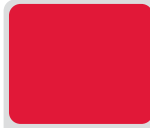
DSS
LITHONIA
Sandstone

P12



DSST
TEXTURED
Sandstone

P90




DBR
LITHONIA
Bright Red

P34



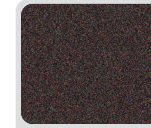
DSPH
TEXTURED
Light Red

P80




DMB
LITHONIA
Medium Bronze

P11



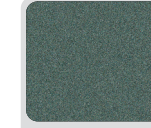
DBNH
TEXTURED
Bronze

P74



DTG
LITHONIA
Tennis Green

P33



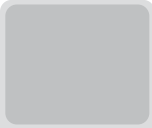
DSPE
TEXTURED
Green

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



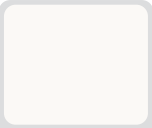
DBL
LITHONIA
Black

P13



DBLB
TEXTURED
Black

P75



DWH
LITHONIA
White

P21

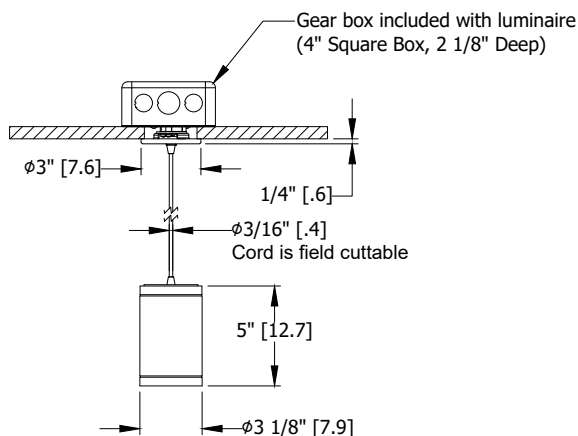


DWHG
TEXTURED
White

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.

RGH - Recessed Gear Housing

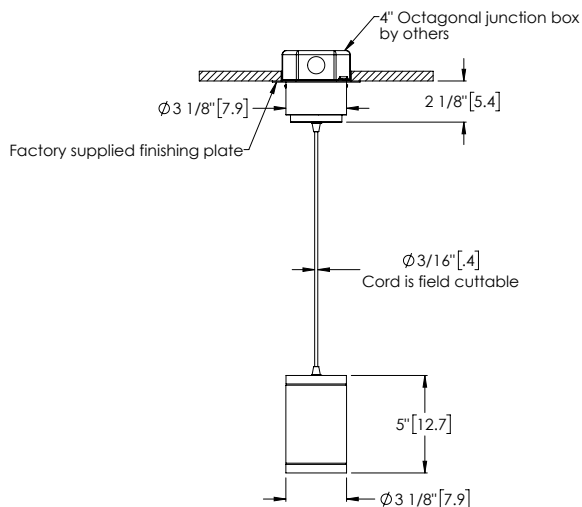


Ceiling cutout: $\phi 2 3/4"$ [7]

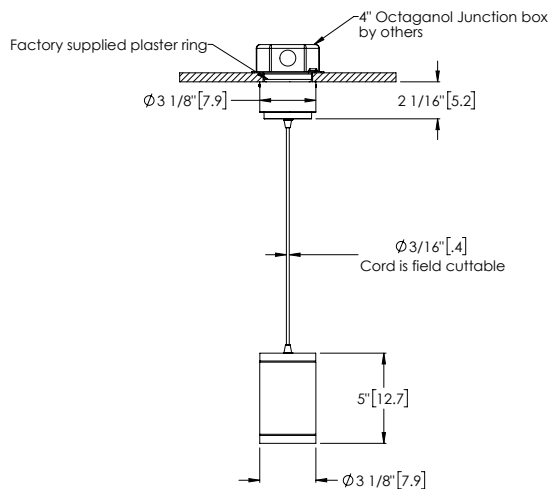
Ceiling thickness range: 3/8" [1.3] to 3" [7.6]



SGB - Surface Gear Box

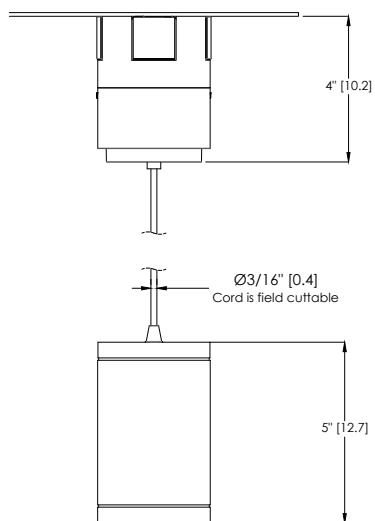


SGBPR - Surface Gear Box with Concealed Plaster Ring

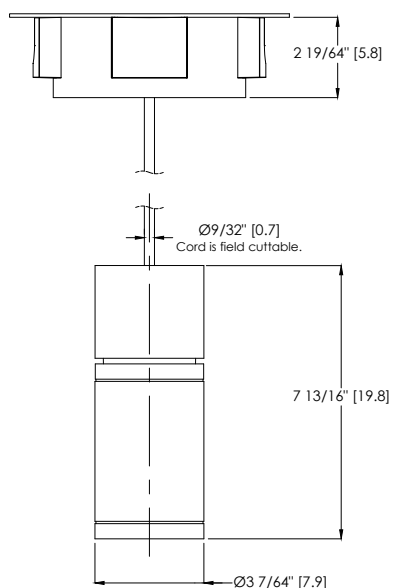


*Dimensions in inches [centimeters]

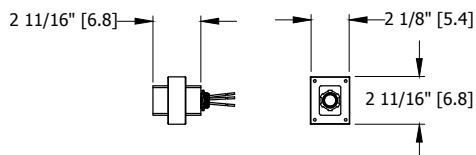
SGBCC - Direct Conduit Surface Gear Box



JBXCC - Surface J-Box with Conduit Covers



347V Transformer

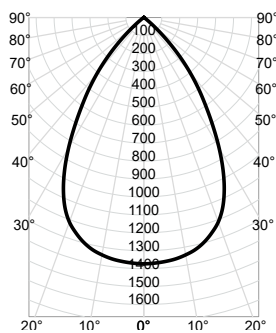


347 Transformer:
Install to accessible
junction box by others

*Dimensions in inches [centimeters]

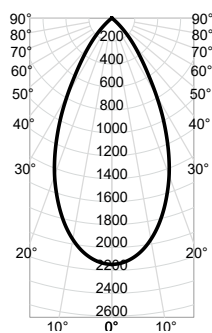
CONSULT WWW.GOTHAMLIGHTING.COM FOR ADDITIONAL PHOTOMETRY

EVO2CC 35/15 AR LSS MWD Input Watts: 21.2, Delivered Lumens: 1537, LPW: 72.5, S/MH: 1.02, Test No: 19-649-02P389



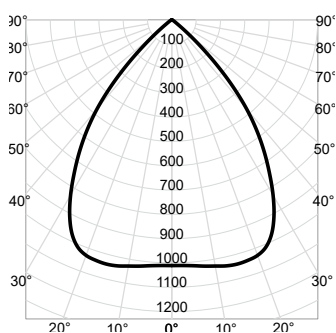
CP Summary		Zonal Lumen Summary				Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)							
						pf	80%				20%				50%				Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance				
0°		Zone	Lumens	% Fixture	pc	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%								
0°	1,373	0° - 30°	973	63%	0	119	119	119	116	116	116	111	111	111	6.0	38.1	7.8	0°	521,285							
5°	1,365	0° - 40°	1,350	88%	1	110	108	105	108	106	104	104	102	101	8.0	21.5	10.5	45°	110,600							
15°	1,297	0° - 60°	1,532	100%	2	102	98	94	100	97	93	97	94	91	10.0	13.7	13.1	55°	9,597							
25°	1,061	0° - 90°	1,537	100%	3	95	89	85	93	88	85	91	87	83	12.0	9.5	15.7	65°	3,234							
35°	603	90° - 180°	0	0%	4	88	82	78	87	81	77	85	80	76	14.0	7.0	18.3	75°	1,760							
45°	206	0° - 180°	1,537	100%	5	82	76	71	81	75	71	79	74	70	Beam Angle: 66.3° Field Angle: 94.1°			85°	871							
55°	15																									
65°	4																									
75°	1																									
85°	0																									
90°	0																									

EVO2CC 35/15 AR LSS ND Input Watts: 21.2, Delivered Lumens: 1621, LPW: 76.5, S/MH: 0.80, Test No: 19-649-01P389



CP Summary		Zonal Lumen Summary				Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)					
						pf					20%					Mounting Height	Initial FC Center Beam	Beam Diameter		Average Luminance				
0°		Zone	Lumens	% Fixture	pc	50%	30%	10%	50%	30%	10%	50%	30%	10%										
0°	2,149	0° - 30°	1,188	73%	0	119	119	119	116	116	116	111	111	111	6.0	59.7	5.8	0°	815,772					
5°	2,099	0° - 40°	1,494	92%	1	111	109	106	109	107	105	105	103	101	8.0	33.6	7.7	45°	74,252					
15°	1,739	0° - 60°	1,617	100%	2	103	100	96	102	98	95	99	96	93	10.0	21.5	9.6	55°	6,420					
25°	1,126	0° - 90°	1,621	100%	3	97	92	88	95	91	87	93	89	86	12.0	14.9	11.6	65°	2,156					
35°	478	90° - 180°	0	0%	4	91	85	81	89	84	81	87	83	80	14.0	11.0	13.5	75°	1,173					
45°	138	0° - 180°	1,621	100%	5	85	79	75	84	79	75	82	78	74	Beam Angle: 51.5° Field Angle: 84.5°			85°	871					
55°	10																							
65°	2																							
75°	1																							
85°	0																							
90°	0																							

EVO2CC 35/15 AR LSS WD Input Watts: 21.2, Delivered Lumens: 1472, LPW: 69.4, S/MH: 1.19, Test No: 19-649-03P389



CP Summary		Zonal Lumen Summary				Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)									
						pf						20%					Mounting Height	Initial FC Center Beam	Beam Diameter		Average Luminance							
						pc	50%	30%	10%	50%	30%	10%	50%	30%	10%													
0°		Zone	Lumens	% Fixture	pw	0	119	119	119	116	116	116	111	111	111	6.0	28.1	9.7	0°	383,741								
5°	1,015	0° - 40°	1,241	84%	1	110	107	105	108	105	103	104	102	100	100	8.0	15.8	12.9	45°	137,982								
15°	1,040	0° - 60°	1,465	100%	2	101	97	93	100	96	92	96	93	90	100	10.0	10.1	16.1	55°	12,774								
25°	971	0° - 90°	1,472	100%	3	93	88	84	92	87	83	89	85	81	120	12.0	7.0	19.4	65°	4,312								
35°	662	90° - 180°	0	0%	4	86	80	75	85	79	75	83	78	74	140	14.0	5.2	22.6	75°	2,200								
45°	257	0° - 180°	1,472	100%	5	80	73	68	79	73	68	77	72	68	Beam Angle: 77.8° Field Angle: 98.3°					85°	1,307							
55°	19																											
65°	5																											
75°	2																											
85°	0																											
90°	0																											

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

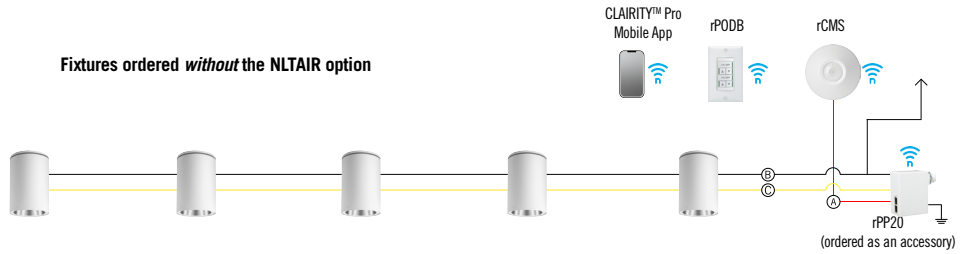
nLight® AIR Control Accessories (cont.)

Occupancy Sensors (PIR/dual tech)

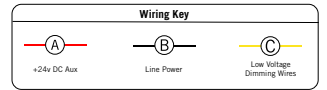
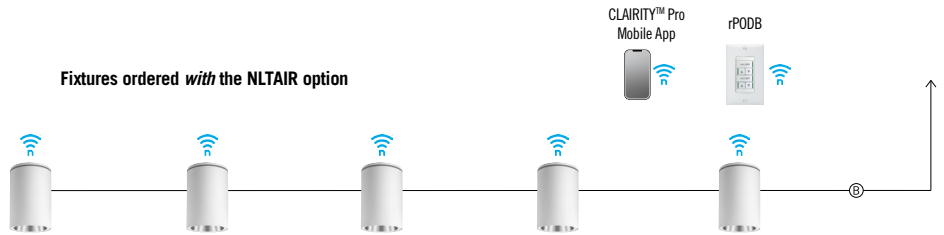
Model Number	
Small motion 360°, ceiling	rCMS 9 / rCMS PDT 9
Large motion 360°, ceiling	rCMS 10 / rCMS PDT 10

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)

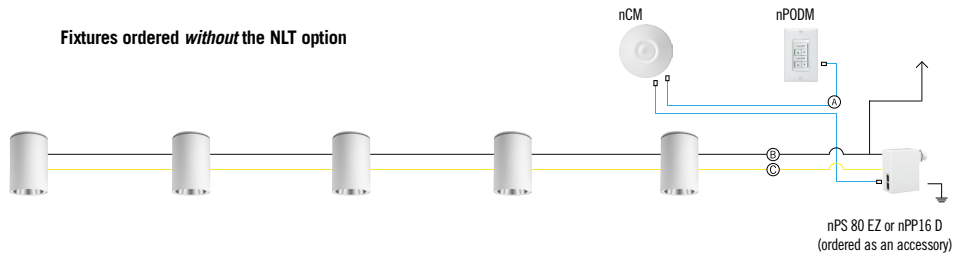
Model Number	
Small motion 360°, ceiling	nCM 9 / nCM PDT 9
Large motion 360°, ceiling	nCM 10 / nCM PDT 10
Wide View	nWV 16 / nWV PDT 16
Wall switch with raise/lower	nWSX LV DX / nWSX PDT LV DX

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

