



2.5 SDCM; 85 CRI typical, 90+ CRI optional

Available with 10% dimming, 1% dimming, or

Fixtures are wet location, covered ceiling

Batwing distribution with feathered edges

provides even illumination on horizontal and

6"



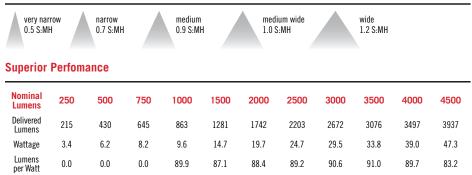
General Illumination Vandal Resistant Downlight

Feature Set

OVERVIEW

- 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

Distribution



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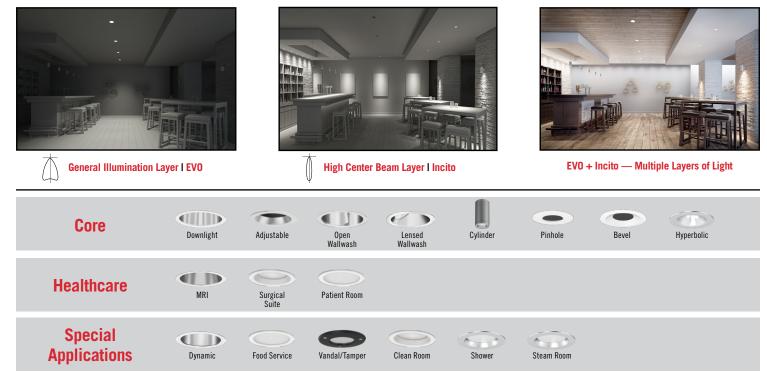
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dim to dark

vertical surfaces

Coordinated Apertures | Multiple Layers of Light





GOTHAM ARCHITECTURAL DOWNLIGHTING | 1400 Lester Road Conyers, GA 30012 | P 800-705-SERV(7378) | gothamlighting.com © 2014-2024 Acuity Brands Lighting Inc. All Rights Reserved. Rev. 10/04/24 Specifications subject to change without notice.



Luminaire Type:

Catalog Number:

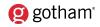
EXAMPLE: EV06VR 35/10 AR MWD LSS MVOLT EZ1 DNA

Series	S	Color	Tempera	ture	Nomi	inal Lumen V	alues		Reflector	& Flange Color	Finis	h	D	Distribution	
EVOGVR		27/ 2700 K 30/ 3000 K 35/ 3500 K 40/ 4000 K 50/ 5000 K		000 K 05 500 K 07 000 K 10		250 lumens 500 lumens 750 lumens 1000 lumens 1500 lumens 2000 lumens	45 4500 lumens		AR PR WTR GR WR ¹ BR ¹ WRAMF ¹	Clear Pewter Gold White Black White Anti-microbial	LSS LD LS	Semi-specular Matte-diffuse Specular		VNDVery Narrow (0.5 s/mh)NDNarrow (0.7 s/mh)MDMedium (0.9 s/mh)MWDMedium Wide (1.0 s/mh)WDWide (1.2 s/mh)	
Lens 1	Гуре			Volta	ge	Driver ⁵						Control Interface			
CGL 1/8" clear glass lens FOL 1/8" tempered flush opal glass lens CVX 3/16" clear convex glass lens PCL ² 3/16" clear polycarbonate lenses PPC ² 1/8" prismatic poly-		ted flush 120 GZ1 ens 277 EZ10 convex 347 ^{3,4} EZ1 polycar- es EDAB ⁶ EDVP6			0-10V dr eldoLED eldoLED eldoLED eldoLED eldoLED)-10V driver dims to 10%)-10V driver dims to 1% eldoLED 0-10V ECOdrive. Linear dimming to 10% min. eldoLED 0-10V ECOdrive. Linear dimming to 1% min. eldoLED 0-10V SOLOdrive. Logarithmic dimming to <1%. eldoLED SOLOdrive DALI. Logarithmic dimming to <1%. eldoLED POWERdrive DMX with RDM (remote device management).					circuit nLight® / nLight® / XPoint Wi dimming	dimmi AIR en AIR en AIR en fireless to 1%	ng pack emergency abled abled emergency , eldoLED driver. Linear		
110					Square L	aw dimming to <1.	1%. Includes termination resistor. Refer to			EXAB	XPoint Wireless, eldoLED driver. Loga-				

	8" prismatic poly- rbonate lenses	ECOD ₆ EDXR ₀	Square Law dimming DMXR Manual. Minim	AUM (remote device management), ncludes termination resistor. Refer to umens. ie 1% soft-on, fade to black. Max:	EXAB		less, eldoLED driver. Loga- ming to dark	
Options							Archite	ctural Colors
SF	Single fuse. Specify	120V or 277V.		N8011	nLight [®] Lumen Compensation	Archite	ctural Colors - Powder Paint ¹⁵	
TRW ⁸	White painted flang	е		BGTD	Bodine generator transfer device. Spec	DWHG	Textured White (Standard)	
TRBL ⁹	Black painted flang	е		90CRI	High CRI (90+)	DDB	Dark Bronze	
ELR	Emergency battery p	oack, 10W, with remote te	st switch	CP ¹²	Chicago plenum. Specify 120V or 277V	for 50001m and	DBL	Black
ELRSD		back, 10W, with self-diag	nostics, remote	PCU ¹⁴	above.	DWH	Gloss White	
test switch					3/16" clear polycarbonate lens underla	DMB	Medium Bronze	
E10WCPR	Emergency battery p compliant with remo	oack, 10W Constant Powe ote test switch	r, CA Title 20	RRL_	RELOC®-ready luminaire connectors er consistent factory installed option acro naire brands. Refer to RRL for complet	DNA	Natural Aluminum	

ACCESSORIES -	— order as separate catalog numbers (shipped separately)
ISD BC	0-10V wallbox dimmer. Refer to ISD-BC.

ERING NOTES		
Not available with finishes.	10.	ER for use with generator supply power. Will require an emergency hot feed and normal hot
Provided standard with clear polycarbonate underlay (2 lenses total).		feed.
Not available with emergency battery pack options.	11.	Fixture begins at 80% light level. Must be specified with NTL or NLTER. Only available with
Supplied with factory installed step down transformer.		EZ10 and EZ1 drivers.
Refer to TECH-240 for compatible dimmers.	12.	ELR not available. CP - 3000 lumen max. CP and ECOD - 4000 lumen max.
Not available with nLight [®] and XPoint options.	13.	Not available DALI or DMX drivers. Not available with CP or N80 options. Not recommended
Specify voltage.		for metal ceiling installations.
For use with different reflector finish only (i.e. AR, PR, WTR, GR op-	14.	Not available with CVX, PCL or PPC lens.
tions). Not applicable with White Reflector or FL option.	15.	Additional architectural colors available; see www.lithonia.com/archcolors.
For use with different reflector finish only (i.e. AR, PR, WTR, GR options).		
Not applicable with Black Reflector or FL option.		
	Not available with finishes. Provided standard with clear polycarbonate underlay (2 lenses total). Not available with emergency battery pack options. Supplied with factory installed step down transformer. Refer to <u>TECH-240</u> for compatible dimmers. Not available with nLight® and XPoint options. Specify voltage. For use with different reflector finish only (i.e. AR, PR, WTR, GR op- tions). Not applicable with White Reflector or FL option. For use with different reflector finish only (i.e. AR, PR, WTR, GR options).	Not available with finishes. 10. Provided standard with clear polycarbonate underlay (2 lenses total). 10. Not available with emergency battery pack options. 11. Supplied with factory installed step down transformer. 11. Refer to <u>TECH-240</u> for compatible dimmers. 12. Not available with nLight® and XPoint options. 13. Specify voltage. 14. For use with different reflector finish only (i.e. AR, PR, WTR, GR options). 15. For use with different reflector finish only (i.e. AR, PR, WTR, GR options). 15.





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.

Marine-grade die-cast aluminum bezel, low copper alloy (<1% copper)

Stainless steel Torx® T20 tamper-resistant screws

One-piece closed-cell silicone gaskets

Electrical

The luminaire shall operate from a 50 or 60 Hz \pm 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

Luminaire housing shall be constructed of 16-gauge galvanized steel and have preinstalled telescopic mounting bars with maximum 32" and minimum 15" extension and 4" vertical adjustment.

Luminaires shall be suitable for installation in ceilings up to $1\frac{1}{2}$ " thick.

Tool-less adjustments shall be possible after installation.

25°C ambient temperature standard (1/2" clearance on all sides unless marked spacing noted otherwise).

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.

IP55 rating (below the mounting surface) standard; IP65 rating with use of silicone at installation. Refer to TECH-200 for ingress protection ratings.

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.

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 <u>www.acuitybrands.com/buy-american</u> 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:

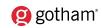
Actual performance may differ as a result of end user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C.

****** Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provided 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 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% EXAB <1%		Logarithmic	Linear								
			Logarithmic	Linear								
	EDXB	<1%	Square	Linear								

	Driver	(note: 34		ntrol Provided ns provided with 34	7 option selected)
Nomenclature	Description	NLT	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

How to Estimate Delivered Lumens in Emergency Mode

Delivered Lumens = 1.25 x P x LPW

 $\mathsf{P}=\mathsf{Output}$ power of emergency driver. $\mathsf{P}=\mathsf{10W}$ for $\mathsf{PS1055CP}$

LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet.

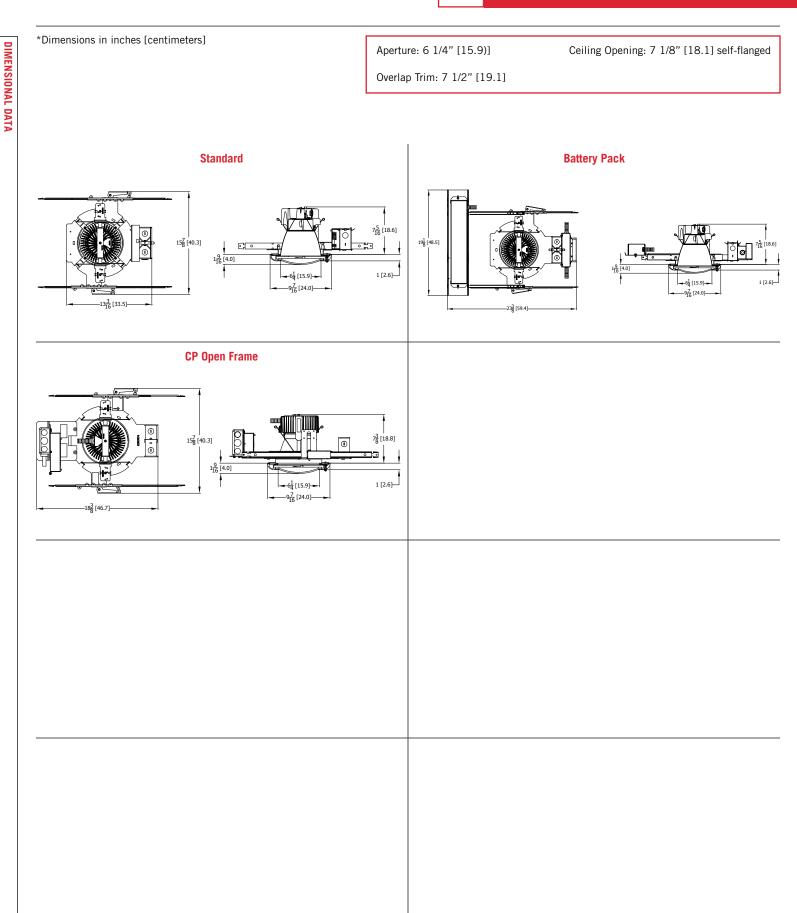
Lui	Lumen Output Multiplier										
CRI	CCT	Multplier									
	2700K	0.96									
	300K	1.00									
80	3500K	1.00									
	4000K	1.01									
	5000K	1.07									
	2700K	0.80									
	300K	0.83									
90	3500K	0.85									
	4000K	0.87									
	5000K	0.91									

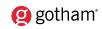
Reflector Finish Multiplier									
Reflector Finish	Multiplier								
LS - Specular	1								
LSS - Semi Specular	0.956								
WR - White	0.87								
LD - Matte Diffuse	0.85								
BR - Black	0.73								

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











Photometry

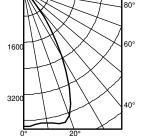
80

							pf				20	%										
0°							рс		80%			70%			50%							
		Ave	Lumens	Zone	Lumens	% Lamp	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%						
80°	0	918		0° - 30°	673.8	74.1	0	119	119	119	116	116	116	111	111	111			50% be		10% b	
	5	908	87	0° - 40°	868.5	95.5	1	111	108	106	109	107	105	105	103	101			53.6	5°	76.	3°
	15	929	261	0° - 60°	906.2	99.7	2	103	99	96	102	98	95	98	95	93		Inital FC				
	25	726	326	0° - 90°	909.0	100.0	3	97	92	88	95	91	87	93	89	86	Mounting					
	35	313	195	90° - 120°	0.0	0.0	4	90	85	81	89	84	80	87	83	79	Height	Beam	Diameter	FC	Diameter	F
$+ + \times \times / 1^{\circ\circ}$	45	31	34	90° - 130°	0.0	0.0	5	85	79	75	84	78	74	82	77	74	8.0	30.4	5.6	15.2	8.7	3
	55	4	4	90° - 150°	0.0	0.0	6	80	74	69	79	73	69	77	72	69	10.0	16.3	7.6	8.2	11.9	1
$T \setminus K \times X$	65	1	2	90° - 180°	0.0	0.0	7	75	69	65	74	69	65	73	68	64	12.0	10.2	9.6	5.1	15.1	1
	75	1	1	0° - 180°	909.0	*100.0	8	70	65	61	70	64	60	69	64	60	14.0	6.9	11.6	3.5	18.2	0
+1 /1	85	0	0	*	Efficience	/	9	67	61	57		60		65	60	56	16.0	5.0	13.6	2.5	21.4	0
	90	0					10	63	57	53	62	57	53	62	57	53						

6"

EV06VR 35/25 AR LS CGL	INPUT WATTS: 24.7, DEL	IVERED LUMENS: 2	319.71	_M, LPW = 94	, 1.01 S/MH, TE	EST NO. ISF 19	805P231		
180° 80°	Ave Lumens Zone 0 2344 0° - 30° 5 5 2318 221 0° - 40°	Lumens % Lamp 1719.6 74.1 2216.2 95.5	0	80% 50% 30% 10% 119 119 119 111 108 106	20% 70% 50% 30% 10% 116 116 116 109 107 105	50% <u>50% 30% 10%</u> 111 111 111 105 103 101		50% beam - 53.6°	10% beam - 76.8°
800 60°	15 2371 666 0° - 60° 25 1852 833 0° - 90° 35 798 497 90° - 120° 15 80 86 90° - 130°		2 3 4 5	1039996979288908581857975	102 98 95 95 91 87 89 84 80 84 78 74	98 95 93 93 89 86 87 83 79 82 77 74	8.0 77.5	Diameter FC 5.6 38.7	Diameter FC 8.7 7.7
1600	55 10 10 90° - 150' 55 4 4 90° - 180' 75 2 2 0° - 180' 35 0 1	° 0.0 0.0	6 7 8	80 74 69 75 69 65 70 65 61 67 61 57	79 73 69 74 69 65 70 64 60 66 60 57	77 72 69 73 68 64 69 64 60 65 60 56	10.0 41.7 12.0 26.0 14.0 17.7 16.0 12.9	7.6 20.8 9.6 13.0 11.6 8.9 13.6 6.4	11.9 4.2 15.1 2.6 18.2 1.8 21.4 1.3
	90 0	,	9 10	63 57 53	62 57 53	62 57 53	1210		

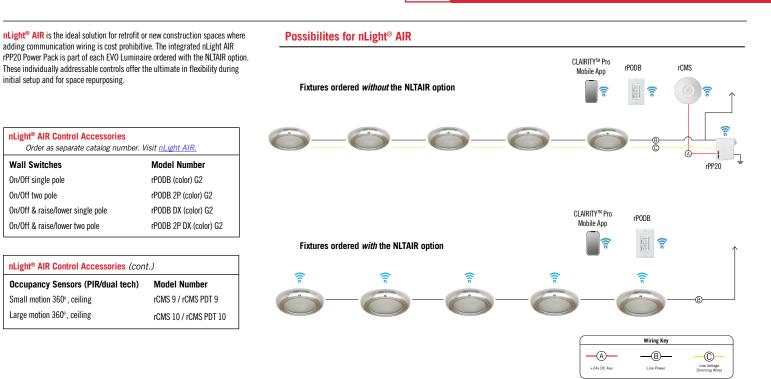
EV06VR 35/25 AR LS CGL	INPUT WATTS: 4	7.3, DELIVERED LUMEN	S: 4145	LM, LPW= 87.6	, 1.01 S/MH, TE	EST NO. ISF 198	05P279
			pf		20%		
180°			pc	80%	70%	50%	
	Ave Lumens	Zone Lumens % Lamp	pw	50% 30% 10%	50% 30% 10%	50% 30% 10%	
80°	0 4188	0° - 30° 3072.6 74.1	0	119 119 119	116 116 116	111 111 111	50% beam -
	5 4142 395	0° - 40° 3960.0 95.5	1	111 108 106	109 107 105	105 103 101	53.6°
	15 4237 1189	0° - 60° 4132.0 99.7	2	103 99 96	102 98 95	98 95 93	Inital FC



																					_
						pf		80%		20	% 70%			50%							
						рс															
	Ave	Lumens	Zone	Lumens	% Lamp	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%						
0	4188		0° - 30°	3072.6	74.1	0	119	119	119	116	116	116	111	111	111			50% be		10% b	
5	4142	395	0° - 40°	3960.0	95.5	1	111	108	106	109	107	105	105	103	101			53.6	5°	76.	.8°
15	4237	1189	0° - 60°	4132.0	99.7	2	103	99	96	102	98	95	98	95	93		Inital FC				
25	3309	1489	0° - 90°	4144.8	100.0	3	97	92	88	95	91	87	93	89	86	Mounting					
35	1426	887	90° - 120°	0.0	0.0	4	90	85	81	89	84	80	87	83	79	Height	Beam	Diameter	FC	Diamete	
45	142	154	90° - 130°	0.0	0.0	5	85	79	75	84	78	74	82	77	74	8.0	138.4	5.6	69.2	8.7	13.8
55	18	18	90° - 150°	0.0	0.0	6	80	74	69	79	73	69	77	72	69	10.0	74.5	7.6	37.2	11.9	7.4
65	7	8	90° - 180°	0.1	0.0	7	75	69	65	74	69	65	73	68	64	12.0	46.4	9.6	23.2	15.1	4.6
75	3	4	0° - 180°	4144.9	*100.0	8	70	65	61	70	64	60	69	64	60	14.0	31.7	11.6	15.8	18.2	3.2
85	0	1	*	Efficiency	,	9	67	61	57	66	60	57	65	60	56	16.0	23.0	13.6	11.5	21.4	2.3
90	0					10	63	57	53	62	57	53	62	57	53						





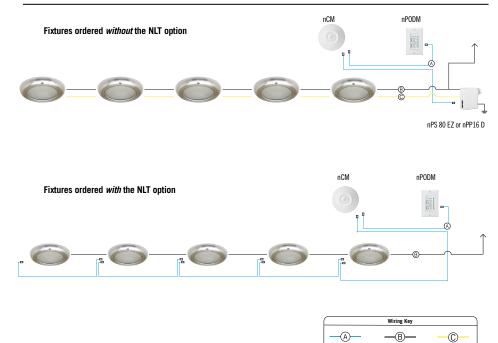


6"

nLight® 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.

Order as separate catalog number. Visit nLight.

Possibilites for nLight® wired



Graphic touchscreen Photocell Controls

On/Off & raise/lower single pole

On/Off & raise/lower two pole

Wall Switches

On/Off single pole

On/Off two pole

Dimming

nLight® Wired Control Accessories

nCM ADCX

Model Number

nPODM 2P (color)

nPOD DX (color)

nPOD GFX (color)

nPODM 2P DX (color)

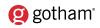
nPODM (color)

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							

NLIGHT

NLIGHT AIR

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Low Volt

Line Powe

CAT-5e Cab