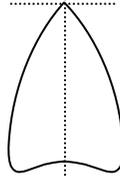


SHOWN: 4500LM (LEFT), 17,500LM (RIGHT)



Gotham Architectural Downlighting
LED Downlights



6" Evo®
Downlight

Solid-State Lighting



FEATURES

OPTICAL SYSTEM

- Patented Bounding Ray™ optical design (U.S. Patent No. 5,800,050)
- 45° cutoff to source and source image
- Top-down flash characteristic
- Polycarbonate lens integral to light engine

MECHANICAL SYSTEM

- 16-gauge galvanized steel construction; maximum 1-1/2" ceiling thickness
- Telescopic mounting bars maximum of 32", preinstalled, 4" vertical adjustment
- Toolless adjustments post installation
- Junction box capacity: 8 (4 in, 4 out) 12AWG rated for 90°C
- Light engine and driver accessible through aperture

ELECTRICAL SYSTEM

- Fully serviceable and upgradeable lensed LED light engine
- 70% lumen maintenance at 60,000 hours
- Tested according to LM-79 and LM-80 standards
- Overload and short circuit protected
- 2.5 SDCM; 85 CRI typical, 90+ CRI optional

LISTINGS

- Fixtures are CSA certified to meet US and Canadian standards; wet location, covered ceiling. ENERGY STAR® certified product.

WARRANTY

5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

WATTAGE CONSUMPTION MATRIX			
NOMINAL LUMENS	DELIVERED LUMENS*	WATTAGE	LUMENS per WATT
1000	1074	11.8	91.4
1500	1595	18.5	86.2
2000	2064	23.2	89.2
2500	2660	29.5	90.2
3000	3077	36.6	84.1
3500	3665	42.1	87.1
4000	4050	48.1	84.2
4500	4623	46.9	98.6
5000	5256.3	48.66	108.0
6000	6371.4	57.61	110.6
8000	8246.7	74.89	110.1
10000	10636.5	97.13	109.5
12000	12332	115.0	107.2
15000	15776	150.9	104.5
17500	17801	175.3	101.5

*Lumen Output for CRI80 - 3500K - MWD - Clear LS Reflector

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.

 **CSA+ 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

ORDERING INFORMATION

A+ Capable options indicated by this color background.

PS Design2Ship Quick Ship Program: Options in green text qualify for Design2Ship — 5 business days from order entry to ship. Refer to Design2Ship Brochure for complete program details. **Maximum Order Quantity: 100 units; 50 for Chicago Plenum.**

EXAMPLE: EVO 35/150 6AR MWD LSS MVOLT EZ1

Series	Color temperature	Nominal lumen values	Reflector/Flange color	Trim Style	Distribution	
EVO	27/ 2700 K	10 1000 lumens	50 5000 lumens	6AR Clear	(blank) Self-flanged	VND Very narrow (0.5 s/mh)
	30/ 3000 K	15 1500 lumens	60 6000 lumens	6PR Pewter	FL Flangeless	ND Narrow (0.7 s/mh)
	35/ 3500 K	20 2000 lumens	80 8000 lumens	6WTR Wheat		MD Medium (0.9 s/mh)
	40/ 4000 K	25 2500 lumens	100 10000 lumens	6GR Gold		MWD Medium wide (1.0 s/mh)
	50/ 5000 K	30 3000 lumens	120 12000 lumens	6WR ¹ White		WD Wide (1.2 s/mh)
		35 3500 lumens	150 15000 lumens	6BR ¹ Black		
		40 4000 lumens	175 17500 lumens	6WRAMF ¹ White anti-microbial		

Finish	Voltage	Driver ³	
LSS Semi-specular	MVOLT	GZ10 0-10V driver dims to 10%	EDXB ^{4,5} DMX with RDM (remote device management) eldoLED driver with smooth and flicker-free deep dimming performance to dark. Refer to DMXR Manual .
LD Matte-diffuse	120	GZ1 0-10V driver dims to 1%	EXA1 XPoint Wireless, 0-10V eldoLED driver with smooth and flicker-free deep dimming performance down to 1%
LS Specular	277	EZ10 0-10V eldoLED driver with smooth and flicker-free deep dimming performance down to 10%	EXAB XPoint Wireless, 0-10V eldoLED driver with smooth and flicker-free deep dimming performance to dark
	347 ²	EZ1 0-10V eldoLED driver with smooth and flicker-free deep dimming performance down to 1%	ECOS2 ^{4,5,6} Lutron® Hi-Lume® 2-wire forward-phase driver. Minimum dimming level 1%
		EZB 0-10V eldoLED driver with smooth and flicker-free deep dimming performance to dark	ECOS3 ^{4,5} Lutron® Hi-Lume® 3-wire or EcoSystem® driver. Minimum dimming level 1%
		EDAB ⁴ DALI eldoLED driver with smooth and flicker-free deep dimming performance to dark	

Options

SF Single fuse. Specify 120V or 277V.	NPS80EZ ¹⁰ nLight® dimming pack controls 0-10V eldoLED drivers.
TRW ⁷ White painted flange	NPS80EZER ¹⁰ nLight® dimming pack controls 0-10V eldoLED drivers. ER controls fixtures on emergency circuit.
TRBL ⁸ Black painted flange	N80 ¹¹ nLight® Lumen Compensation
EL ⁹ Emergency battery pack with integral test switch	BGTD Bodine generator transfer device. Specify 120V or 277V.
ELR ⁹ Emergency battery pack with remote test switch	CRI90 High CRI (90+)
ELSD ⁹ Emergency battery pack with self-diagnostics, integral test switch. (4500lm max)	CP ¹² Chicago plenum. Specify 120V or 277V.
ELRSD ⁹ Emergency battery pack with self-diagnostics, remote test switch. (4500lm max)	RRL RELOC®-ready luminaire connectors enable a simple and consistent factory installed option across all ABL luminaire brands. Refer to RRL for complete nomenclature.
E10WCP ⁹ Emergency battery pack, 10W Constant Power, CA Title 20 compliant with integral test switch. (4500lm max)	HAO ¹³ HAO High ambient option (40C)
E10WCPR ⁹ Emergency battery pack, 10W Constant Power, CA Title 20 compliant with remote test switch. (4500lm max)	NLTAIR2 ¹⁴ nLight® Air enabled
NPP16D ¹⁰ nLight® network power/relay pack with 0-10V dimming for non-eldoLED drivers (GZ10, GZ1).	NLTAIRER2 ¹⁴ nLight® AIR Dimming Pack Wireless Controls. Controls fixtures on emergency circuit
NPP16DER ¹⁰ nLight® network power/relay pack with 0-10V dimming for non-eldoLED drivers (GZ10, GZ1). ER controls fixtures on emergency circuit.	

ACCESSORIES order as separate catalog numbers (shipped separately)

SCA6 Sloped ceiling adapter. Degree of slope must be specified (5D, 10D, 15D, 20D, 25D, 30D). Ex: SCA6 10D. Refer to TECH-190 .
CTA4-8 YKHL Ceiling thickness adapter for 10,000lm and above (extends mounting frame to accommodate ceiling thickness up to 5"). Adds ~4" to fixture height.
CTA4-8 YK Ceiling thickness adapter for 8,000lm and below (extends mounting frame to accommodate ceiling thickness up to 5"). Adds ~4" to fixture height.
GVRT Vandal-resistant trim accessory. Refer to TECH-200 .
ISD BC 0-10V wallbox dimmer. Refer to ISD-BC .

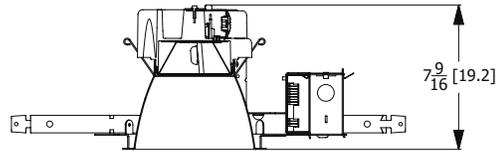
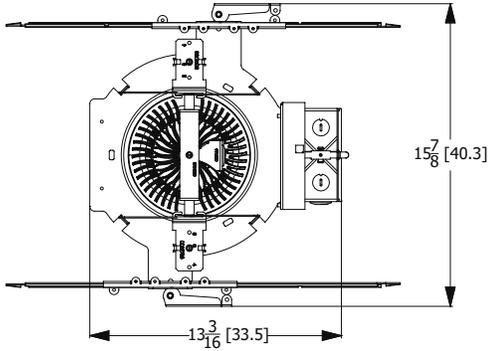
ORDERING NOTES

- Not available with finishes.
- Not available with emergency battery pack options.
- Refer to [TECH-240](#) for compatible dimmers.
- Not available with nLight® and Xpoint options.
- Not available 17,500lm.
- Specify voltage 120V.
- Not applicable with WR or FL option.
- Not applicable with BR or FL option.
- For dimensional changes, refer to [TECH-140](#).
- Specify voltage. ER for use with generator supply power. Will require an emergency hot feed and normal hot feed.
- Fixture begins at 80% light level. Must be specified with NPS80EZ or NPS80EZ ER. Only available with EZ10 and EZ1 drivers.
- 12,000lm max with EL or nLight® options. 5,000lm max with Lutron drivers combined with EL. Not available with ELR, HAO, EXA1, or EXAB options.
- Only available 5000lm -15,000lm with eldoLED drivers.
- Not available DALI or DMX drivers. Not available with CP, NPS80EZ, NPS80EZER, NPP16D, NPP16DER or N80 options. Not recommended for metal ceiling installations.

DIMENSIONAL DATA

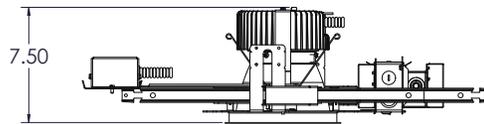
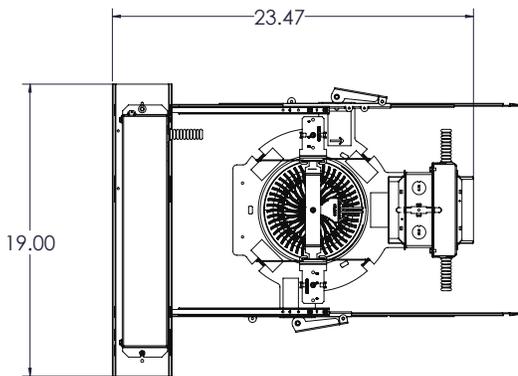
All dimensions are inches unless otherwise noted.

1000LM-4500LM STANDARD

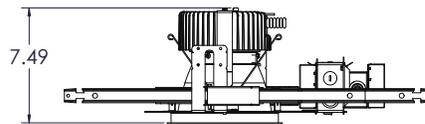
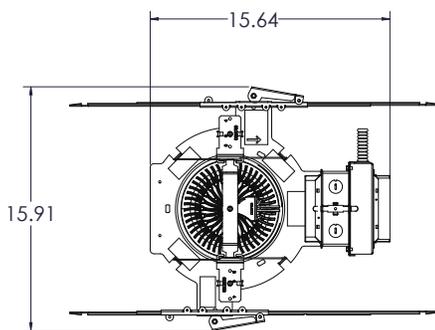


Aperture: 6-1/4" (15.9)
 Ceiling Opening: 7-1/8" (18.1) self-flanged
 7-1/4" (18.4) flangeless
 Overlap trim: 7-1/2" (19.1)

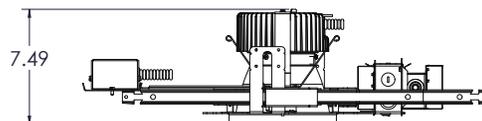
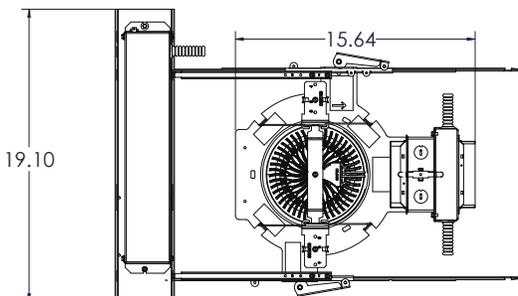
1000LM-4500LM BATTERYPACK



5000LM-8000LM STANDARD



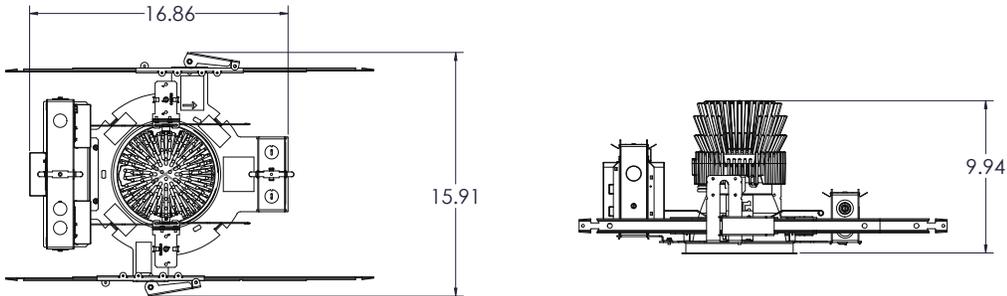
5000LM-8000LM BATTERYPACK



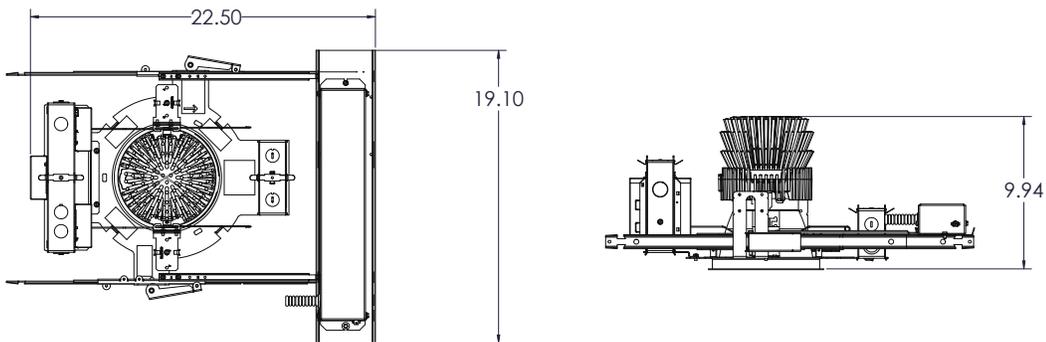
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All dimensions are inches unless otherwise noted.

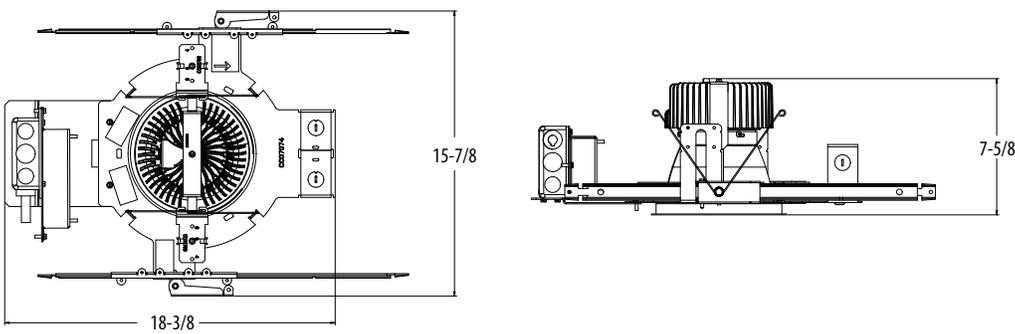
10,000LM-17,500LM STANDARD



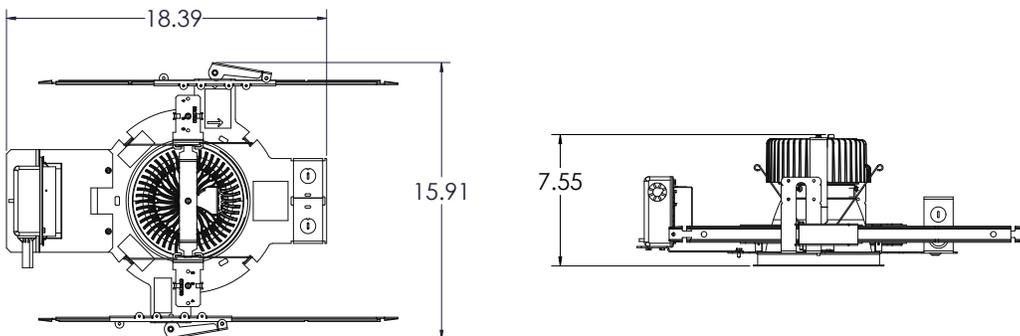
10,000LM-17,500LM BATTERYPACK



1000LM-4500LM CHICAGO PLENUM



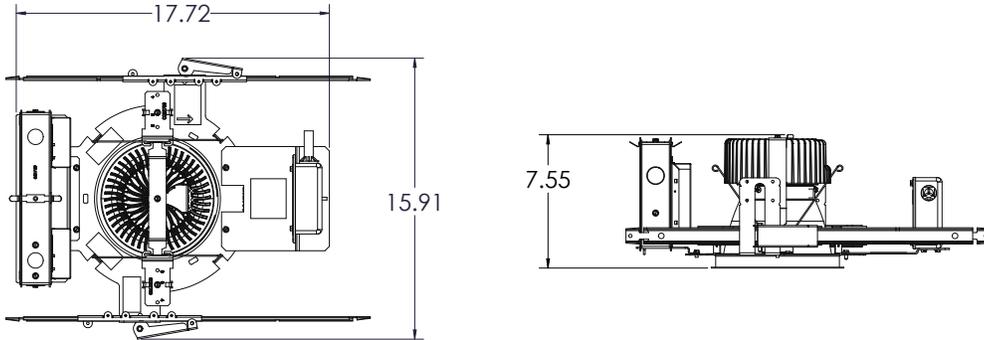
5000 LUMEN ECO/SOLO DRIVE OPEN FRAME CP



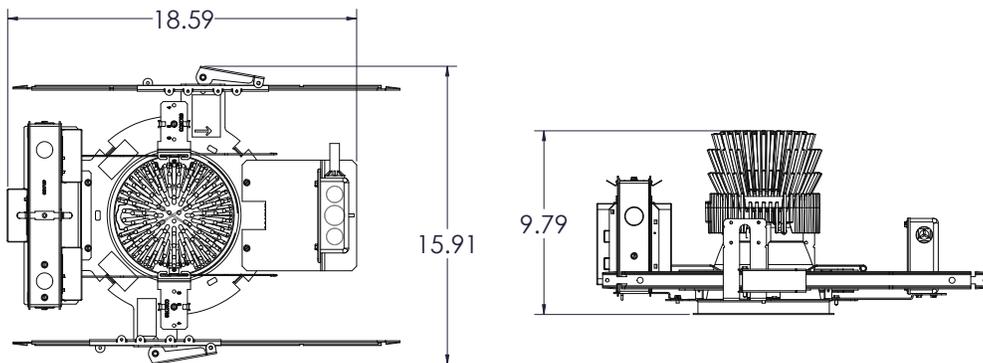
DIMENSIONAL DATA

All dimensions are inches unless otherwise noted.

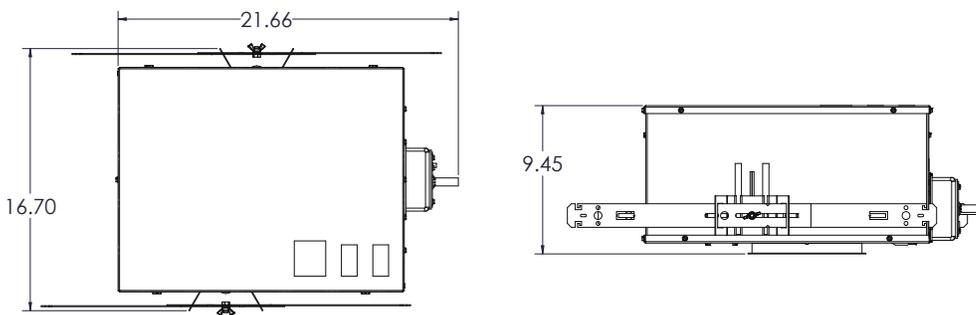
5000 (LUTRON & POWER DRIVE ONLY), 6000 & 8000 LUMEN OPEN FRAME CP



10000 - 17,500 LUMEN OPEN FRAME CP



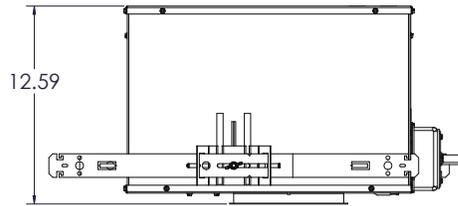
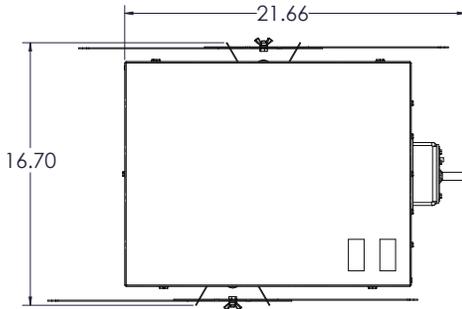
5000 & 6000 LUMEN CP (WITH NLIGHT® OR BATTERY PACK)



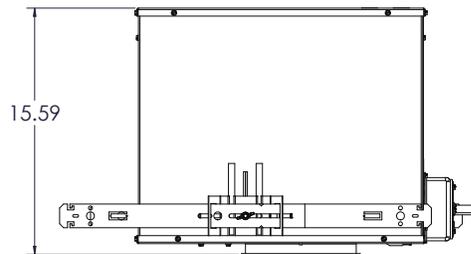
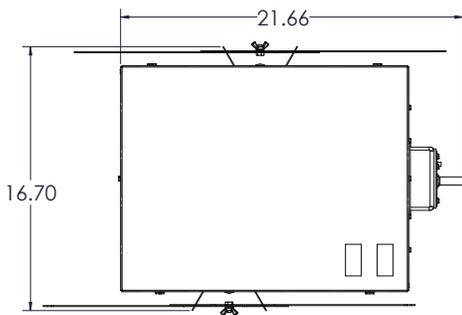
DIMENSIONAL DATA

All dimensions are inches unless otherwise noted.

8000 LUMEN CP (WITH NLIGHT® OR BATTERY PACK)



10K & 12K LUMEN CP (WITH NLIGHT® OR BATTERY PACK)



ELECTRICAL

MARKED SPACINGS IN INCHES - 25°C AMBIENT			
Lumen Package	Fixture Center to Center MIN	Fixture Center to Building Member MIN	Space above Fixture
500-5000	None	None	None
6000	24	12	5
8000	36	18	11
10000	36	18	9
12000			
15000			
17500	72	36	9

MARKED SPACINGS - CHICAGO PLENUM OPEN FRAME IN INCHES - 25°C AMBIENT			
Lumen Package	Fixture Center to Center MIN	Fixture Center to Building Member MIN	Space above Fixture
500-5000	None	None	None
6000	24	12	5
8000	36	18	11
10000	36	18	9
12000			
15000			
17500	72	36	9

MARKED SPACINGS - CHICAGO PLENUM ENCLOSURE IN INCHES - 25°C AMBIENT			
Lumen Package	Fixture Center to Center MIN	Fixture Center to Building Member MIN	Space above Fixture
500-6000	None	None	None
8000	36	18	6
10000	48	24	3
12000			

MARKED SPACINGS IN INCHES - 40°C AMBIENT			
Lumen Package	Fixture Center to Center MIN	Fixture Center to Building Member MIN	Space above Fixture
5000	24	12	5
6000			
8000	48	24	9
10000			
12000			
15000	72	36	9

EVO - ELDOLED DRIVER DEFAULT DIMMING CURVE		
	Curve	Minimum Dimming
EZ10	Linear	10%
EZ1	Linear	1%
EZB	Logarithmic	<1%
EDAB	Logarithmic	<1%
EDXB	Square Law	<1%
EXA1	Linear	1%
EXAB	Logarithmic	<1%

HOW TO ESTIMATE DELIVERED LUMENS IN EMERGENCY MODE

Use the formula below to estimate the delivered lumens in emergency mode

Delivered Lumens = 1.25 x P x LPW

P = Output power of emergency driver. P = 10W for PS1055CP

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

The LPW rating is also available at [Designlight Consortium](#).

LUMEN OUTPUT MULTIPLIER - CCT		
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

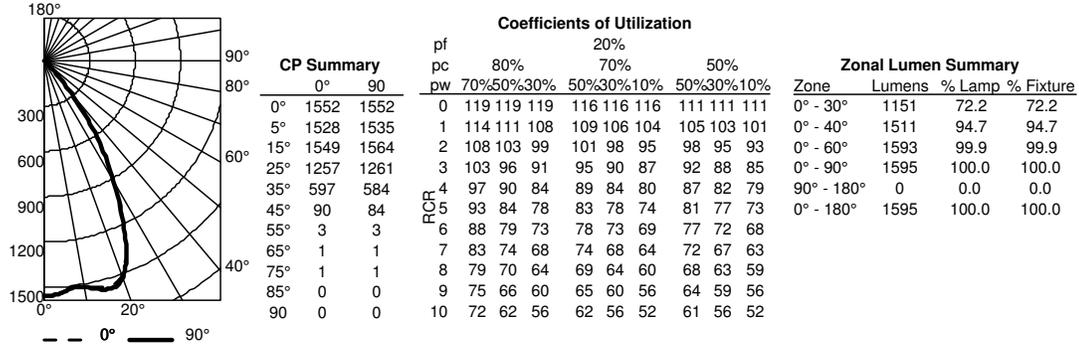
Reflector Finish	Multiplier
LS-Specular	1
LSS- Semi Specular	0.956
WR - White	0.87
LD - Mat Diffuse	0.85
BR - Black	0.73

Distribution	Beam Angle	Field Angle
VND	30.2	63.7
ND	44.1	68.8
MD	54.2	81.6
MWD	66.8	88.9
WD	71.1	92.1

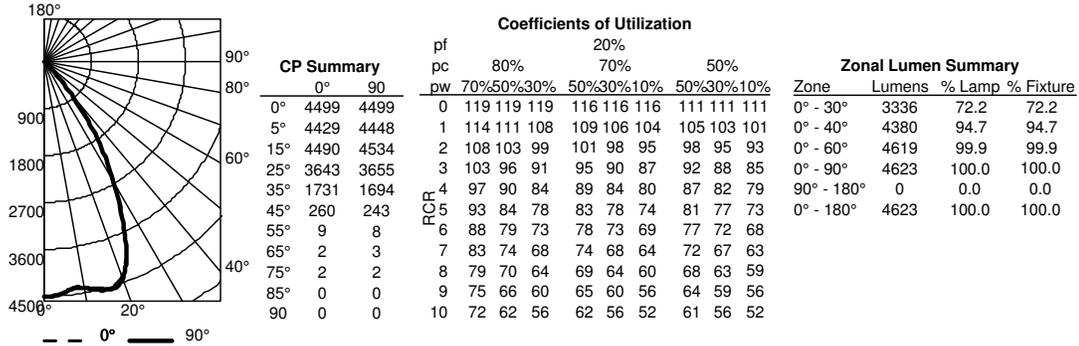
PHOTOMETRY

Distribution Curve Distribution Data Output Data Coefficient of Utilization Illuminance: Single Luminaire 30" Above Floor

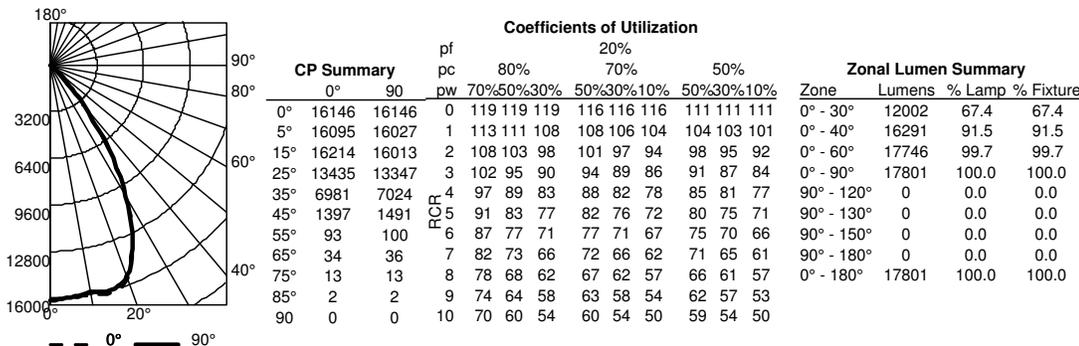
EVO 35/15 6AR MWD LS INPUT WATTS: 18.5, DELIVERED LUMENS: 1595LM, LM/W=86.2 , 1.03 S/MH, TEST NO. LTL27782P1115



EVO 35/45 6AR MWD LS INPUT WATTS: 46.9, DELIVERED LUMENS: 4623LM, LM/W=98.5 , 1.03 S/MH, TEST NO. LTL27782P1241



EVO 35/175 6AR MWD LS INPUT WATTS: 175.3, DELIVERED LUMENS: 17801LM, LM/W=101.5 , 1.06 S/MH, TEST NO. ISF 34035P268



PHOTOMETRY NOTES

- Tested in accordance with IESNA LM-79-08.
- Tested to current IES and NEMA standards under stabilized laboratory conditions.
- CRI: 85 typical.

CONTROLS

Choose Wall Controls.

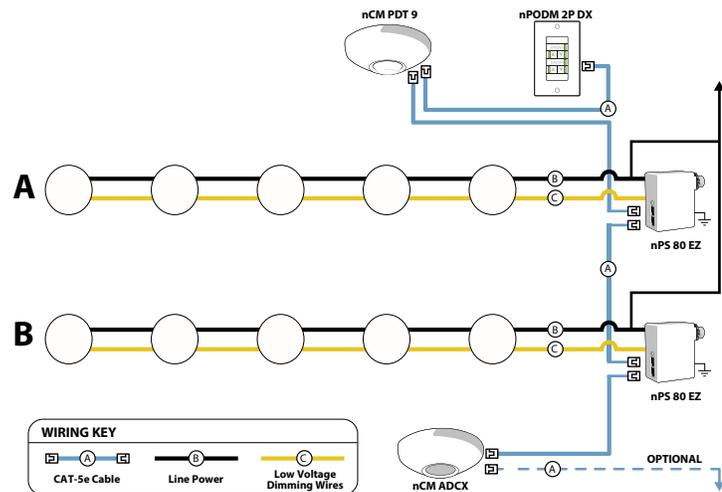
nLIGHT offers multiple styles of wall controls – each with varying features and user experience.



Push-Button WallPod
Traditional tactile buttons and LED user feedback



Graphic WallPod
Full color touch screen provides a sophisticated look and feel



EXAMPLE

Group Fixture Control*

*Application diagram applies for fixtures with eldoLED drivers only.

- nPS 80 EZ Dimming/Control Pack (qty 2 required)
- nPODM 2P DX Dual On/Off/Dim Push-Button WallPod
- nCM ADCX Daylight Sensor with Automatic Dimming Control
- nCM PDT 9 Dual Technology Occupancy Sensor

Description: This design provides a dual on/off/dim wall station that enables manual control of the fixtures in Row A and Row B separately. Additionally, a daylight harvesting sensor is provided so the lights in row B can be configured to dim automatically when daylight is available. An occupancy sensor turns off all lights when the space is vacant.

nLight® Control Accessories:			
Order as separate catalog number. Visit www.sensorswitch.com/nLight for complete listing of nLight® controls.			
WallPod stations	Model number	Occupancy sensors	Model number
On/Off	nPODM [color]	Small motion 360°, ceiling (PIR / dual tech)	nCM 9 / nCM PDT 9
On/Off & Raise/Lower	nPODM DX [color]	Large motion 360°, ceiling (PIR / dual tech)	nCM 10 / nCM PDT 10
Graphic Touchscreen	nPOD GFX [color]	Wide view (PIR / dual tech)	nWV 16 / nWV PDT 16
Photocell controls	Model number	Wall Switch w/ Raise/Lower (PIR / dual tech)	nWSX LV DX / nWSX PDT LV DX
Dimming	nCM ADCX	Cat-5 cables (plenum rated)	Model number
		10', CAT5 10FT	CAT5 10FT J1
		15', CAT5 15FT	CAT5 15FT J1