



Gotham Architectural Downlighting
LED Downlights

6" Evo®
Non-Conductive Shower Light

Solid-State Lighting

FEATURES

OPTICAL SYSTEM

- Face plate made of impact-modified acrylic for excellent durability and light transmission
- "Dead front" shower light for added safety
- White painted flange

MECHANICAL SYSTEM

- 16-gauge galvanized steel construction; maximum 1-1/2" ceiling thickness
- Telescopic mounting bars maximum of 32" and minimum of 15", 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 based on IESNA LM-79-2008

- 120-277VAC, 50/60hz power supply with 0-10V dimming (10-100%)
- Overload and short circuit protected
- LEDs tested under LM80

LISTINGS

- Fixtures are CSA certified to meet US and Canadian standards; wet location, covered ceiling
- IP65 rated; suitable for steam room applications

WARRANTY

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

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.

ORDERING INFORMATION

EXAMPLE: EVO 35/10 6DFR 120 AZ10

Series	Color temperature		Nominal lumen values		Aperture	Trim style	Voltage	Driver		
EVO	27/	2700 K	10	1000 lumens	6	DFR	Dead (non-conductive) front regressed	MVOLT 120 277 347	AZ10 ¹	Philips Xitanium 0-10V dimming driver. Minimum dimming level 10%
	30/	3000 K	14	1400 lumens		DFD	Dead (non-conductive) front drop		EZB	eldoLED SOLOdrive 0-10V dimming driver. Minimum dimming level <1%. 120V or 277V
	35/	3500 K	18	1800 lumens					EDAB	eldoLED SOLOdrive DALI dimming driver. Minimum dimming level <1%. 120V or 277V
	41/	4100 K	22	2200 lumens					EDXB	eldoLED POWERdrive DMX with RDM (remote device management). Minimum dimming level <1%. Includes termination resistor. 120V or 277V
									ECOS3 ^{1,2}	Lutron® Hi-lume® 3-wire or EcoSystem® dimming driver. Minimum dimming level 1%

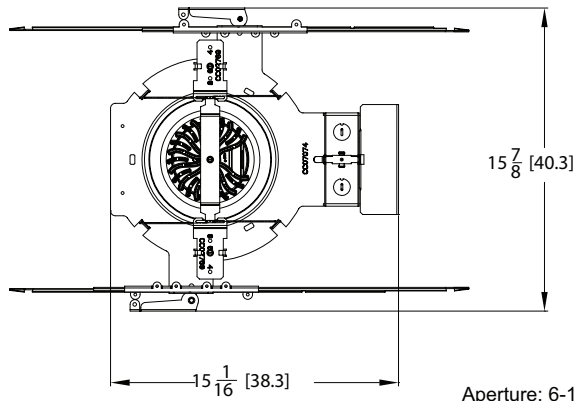
Options

SF	Single fuse	NPS80EZ	nLight® dimming pack controls 0-10V eldoLED drivers.	BGTD	Bodine generator transfer device
NPP16D	nLight® network relay pack with 0-10V dimming. Refer to TN-602 .	NPS80EZ ER⁴	nLight® dimming pack controls 0-10V eldoLED drivers. ER controls fixtures on emergency circuit.	CRI90	High CRI (90+)
NPP16D ER⁴	nLight® network relay pack with 0-10V dimming for emergency circuit operation. Refer to TN-602 .	ELR⁵	Emergency battery pack with remote test switch	RRL	RELOC®-ready luminaire. Provides compatibility with Lithonia RELOC system. Access above ceiling required.
		CP⁶	Chicago plenum		

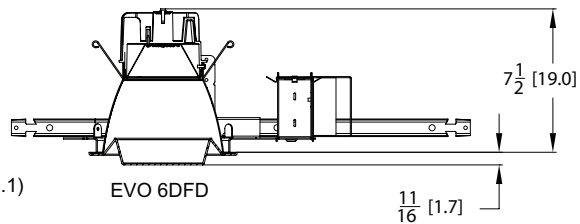
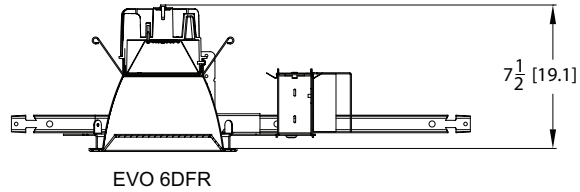
ACCESSORIES order as separate catalog numbers (shipped separately)

SCA6	Sloped ceiling adapter. Degree of slope must be specified (10D, 15D, 20D, 25D, 30D). Ex: SCA6 10D. Refer to TECH-190 .
CTA4-8 YK	Ceiling thickness adapter (extends mounting frame to accommodate ceiling thickness up to 2").
ISD BC	0-10V wallbox dimmer. Refer to ISD-BC .

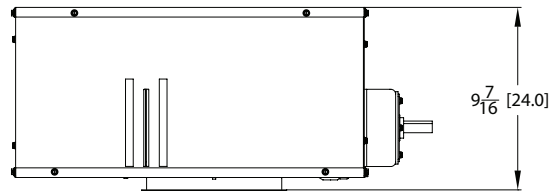
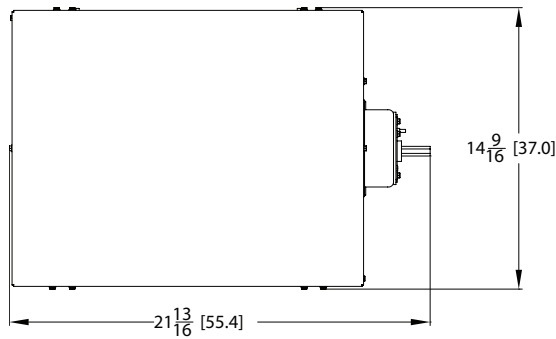
All dimensions are inches (centimeters) unless otherwise noted.



Aperture: 6-1/4 (15.9)
Ceiling Opening: 7-1/8 (18.1)
Overlap Trim: 7-1/2 (19.1)



DIMENSIONS FOR CHICAGO PLENUM



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
On/Off & Dimming	nCM ADCX	Cat-5 cables (plenum rated)	Model number
		10', CAT5 10FT	CAT5 10FT J1
		15', CAT5 15FT	CAT5 15FT J1

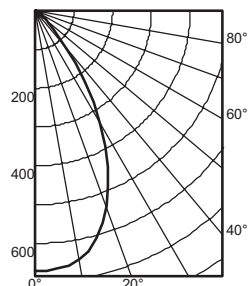
ORDERING NOTES

- Refer to [TECH-240](#) for compatible dimmers.
- Not available with nLight[®] option.
- 120V only.
- For use with generator supply EM power. Will require an emergency hot feed and normal hot feed.
- For dimensional changes, refer to [TECH-140](#). Specify 120V or 277V. Not available with 347V. Not available with CP option.
- Not available with ELR options.

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

EVO 35/10 6DFR

INPUT WATTS: 22, DELIVERED LUMENS: 661, LM/W=30.0, 0.9 S/MH, TEST NO. LTL20129

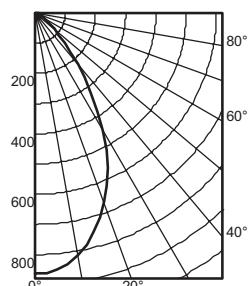


Ave	Lumens	Zone	Lumens	% Lamp	pf pc pw	80%			70%			50%		
						50%	30%	10%	50%	30%	10%	50%	30%	10%
0	672	0° - 30°	433.3	65.6	0	119	119	119	116	116	116	111	111	111
5	668	0° - 40°	572.4	86.6	1	110	107	105	108	105	103	104	102	100
15	608	0° - 60°	645.0	97.6	2	102	97	94	100	96	93	97	93	91
25	444	0° - 90°	660.9	100.0	3	94	89	85	93	88	84	90	86	83
35	223	90° - 180°	0.0	0.0	4	88	82	77	86	81	77	84	79	76
45	65	0° - 180°	660.9	*100.0	5	82	75	71	81	75	70	79	74	70
55	20	*Efficiency			6	76	70	65	75	69	65	74	69	65
65	10				7	71	65	61	71	65	60	69	64	60
75	5				8	67	61	56	66	60	56	65	60	56
85	0				9	63	57	53	63	57	53	62	56	52
90	0				10	60	53	49	59	53	49	58	53	49

Mounting Height	Initial FC Center Beam	50% beam - 49.5°		10% beam - 78.0°	
		Diameter	FC	Diameter	FC
8.0	22.2	5.1	11.1	8.9	2.2
10.0	11.9	6.9	6.0	12.2	1.2
12.0	7.4	8.8	3.7	15.4	0.7
14.0	5.1	10.6	2.5	18.6	0.5
16.0	3.7	12.4	1.8	21.9	0.4

EVO 35/14 6DFD

INPUT WATTS: 31, DELIVERED LUMENS: 965, LM/W=31.1, 0.9 S/MH, TEST NO. LTL20130

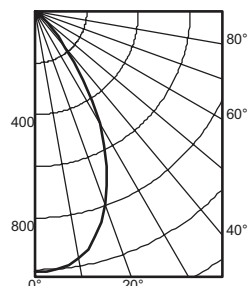


Ave	Lumens	Zone	Lumens	% Lamp	pf pc pw	80%			70%			50%		
						50%	30%	10%	50%	30%	10%	50%	30%	10%
0	863	0° - 30°	546.8	56.7	0	119	119	119	116	116	116	111	111	111
5	852	0° - 40°	749.4	77.6	1	109	106	103	106	104	101	102	100	98
15	751	0° - 60°	907.2	94.0	2	99	94	90	97	93	89	94	90	87
25	566	0° - 90°	963.1	99.8	3	91	85	80	90	84	80	87	82	78
35	324	90° - 120°	2.0	0.2	4	84	77	72	83	77	72	80	75	71
45	139	90° - 130°	2.0	0.2	5	78	71	66	77	70	66	75	69	65
55	52	90° - 150°	2.0	0.2	6	72	65	60	71	65	60	70	64	60
65	28	90° - 180°	2.0	0.2	7	67	60	55	66	60	55	65	59	55
75	18	0° - 180°	965.2	*100.0	8	63	56	51	62	56	51	61	55	51
85	9	*Efficiency			9	59	52	48	58	52	48	57	51	47
90	4				10	55	49	44	55	49	44	54	48	44

Mounting Height	Initial FC Center Beam	50% beam - 49.2°		10% beam - 82.0°	
		Diameter	FC	Diameter	FC
8.0	28.5	5.0	14.3	9.6	2.9
10.0	15.3	6.9	7.7	13.0	1.5
12.0	9.6	8.7	4.8	16.5	1.0
14.0	6.5	10.5	3.3	20.0	0.7
16.0	4.7	12.4	2.4	23.5	0.5

EVO 35/14 6DFR

INPUT WATTS: 31, DELIVERED LUMENS: 978, LM/W=31.5, 0.9 S/MH, TEST NO. LTL20131

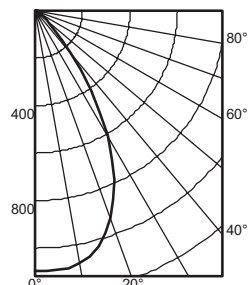


Ave	Lumens	Zone	Lumens	% Lamp	pf pc pw	80%			70%			50%		
						50%	30%	10%	50%	30%	10%	50%	30%	10%
0	1009	0° - 30°	644.2	65.8	0	119	119	119	116	116	116	111	111	111
5	1000	0° - 40°	848.2	86.7	1	110	107	105	108	106	103	104	102	100
15	904	0° - 60°	954.3	97.5	2	102	97	94	100	96	93	97	93	91
25	659	0° - 90°	978.7	100.0	3	94	89	85	93	88	84	90	86	83
35	326	90° - 180°	0.0	0.0	4	88	82	77	86	81	77	84	80	76
45	94	0° - 180°	978.7	*100.0	5	82	75	71	81	75	71	79	74	70
55	30	*Efficiency			6	76	70	65	75	70	65	74	69	65
65	16				7	71	65	61	71	65	61	69	64	60
75	7				8	67	61	57	67	61	56	65	60	56
85	1				9	63	57	53	63	57	53	62	56	53
90	0				10	60	54	50	59	53	49	58	53	49

Mounting Height	Initial FC Center Beam	50% beam - 49.2°		10% beam - 77.6°	
		Diameter	FC	Diameter	FC
8.0	33.4	5.0	16.7	8.9	3.3
10.0	17.9	6.9	9.0	12.1	1.8
12.0	11.2	8.7	5.6	15.3	1.1
14.0	7.6	10.5	3.8	18.5	0.8
16.0	5.5	12.3	2.8	21.7	0.6

EVO 35/18 6DFR

INPUT WATTS: 38.5, DELIVERED LUMENS: 1164, LM/W=30.2, 1.0 S/MH, TEST NO. LTL20133



Ave	Lumens	Zone	Lumens	% Lamp	pf pc pw	80%			70%			50%		
						50%	30%	10%	50%	30%	10%	50%	30%	10%
0	1098	0° - 30°	745.8	64.1	0	119	119	119	116	116	116	111	111	111
5	1096	0° - 40°	1000.0	85.9	1	110	107	105	108	105	103	104	102	100
15	1027	0° - 60°	1133.5	97.4	2	101	97	93	100	96	92	96	93	90
25	785	0° - 90°	1164.0	100.0	3	94	88	84	92	87	83	90	86	82
35	408	90° - 180°	0.0	0.0	4	87	81	77	86	80	76	84	79	75
45	118	0° - 180°	1164.0	*100.0	5	81	75	70	80	74	70	78	73	69
55	37	*Efficiency			6	76	69	65	75	69	64	73	68	64
65	20				7	71	64	60	70	64	60	69	63	59
75	9				8	66	60	56	66	60	55	65	59	55
85	1				9	62	56	52	62	56	52	61	55	52
90	0				10	59	53	49	58	52	48	57	52	48

Mounting Height	Initial FC Center Beam	50% beam - 51.8°		10% beam - 79.4°	
		Diameter	FC	Diameter	FC
8.0	36.3	5.3	18.1	9.1	3.6
10.0	19.5	7.3	9.8	12.5	2.0
12.0	12.2	9.2	6.1	15.8	1.2
14.0	8.3	11.2	4.2	19.1	0.8
16.0	6.0	13.1	3.0	22.4	0.6

PHOTOMETRY NOTES

- Tested in accordance with IESNA LM-79-08.
- Tested to current IES and NEMA standards under stabilized laboratory conditions.
- CRI: 83 typical.
- Consult factory or IES file for microgroove baffle, black cone or other photometric reports.

Choose Wall Controls.

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

**Push-Button WallPod**

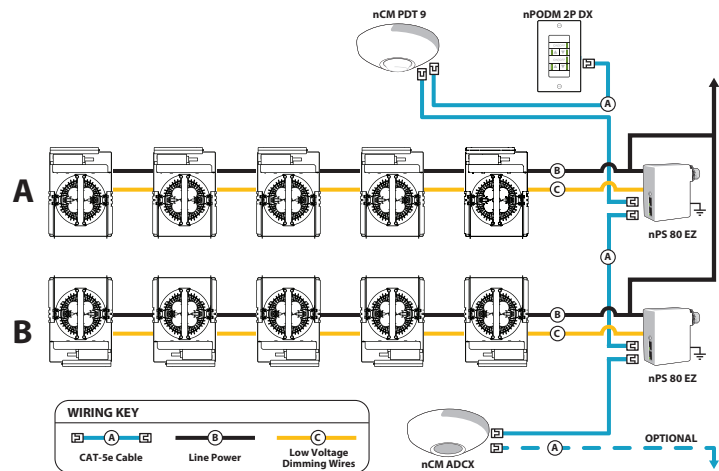
Traditional tactile buttons and LED user feedback

**Touch WallPod**

Contemporary capacitive touch style buttons with audible clicker for 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)

nPDM 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.