

8"

Architectural LED Cylinder

EPC-8-PM

Cylinder Series



Application

A complete family of cylinders for downlight, wallwashers, double wallwashers, and corner wallwashers in multiple, mounting options, beam spreads and apertures designed for commercial, civic, museums, corporate, hospitality, academic, retail, medical, and houses of worship.

Features

- Exceptional Optical Quality: Up to 98 CRI, 1x2 Step MacAdam Ellipse.
- Shipped standard with a Solite Beam Smoother lens that removes striations from the light source.
- Available with a multitude of dimming protocols and control offerings.

Nominal Lumens	Delivered Lumens	Wattage
900L	1090	12
1200L	1439	16
1500L	1782	22
2000L	2382	28
3000L	3512	44
4000L	4638	48
6000L	6412	78
8000L	7984	79

Based on 4000K, 90+ CRI with semi-specular chrome reflector. Actual wattage may vary +/-5%

Lumens	High Performance: 900, 1200, 1500, 2000, 3000, 4000, 6000, 8000 Dims to Warm: 900, 1200, 1500, 2000 Xicato Artist: 900, 1200, 1500, 2000, 3000 Natural Spectrum: 900, 1200, 1500, 2000, 3000
CCT & Dynamic Platforms	High Performance: 22K, 27K, 30K, 35K, 40K, 50K Dims to Warm: 30K-18K, 30K-22K, 27K-18K Xicato Artist: 27K, 30K, 30K-VIB, 35K, 40K Natural Spectrum: 27K, 30K, 35K, 40K, 50K, 65K
CRI	High Performance: 90+, 98+ Dims to Warm: 90+ Xicato Artist: 98+ Natural Spectrum: 97+
Color Quality	2 Step MacAdam Ellipse
Distributions	NSPD (Narrow Spot 15°), SPD (Spot 24°), ND (Narrow 30°), MD (Medium 36°), MWD (Medium Wide 52°), WD (Wide 60°), VWD (Very Wide 70°)
Trim Options	Downlight, Wall Wash, Double Wall Wash, Corner Wall Wash, Wet Location
Reflector Colors	CL (Semi-Specular Chrome), SHZ (Low Iridescent Satin Haze), WT (Wheat), W (White), MB (Black), BZ (Bronze)
Flange Colors	Self-Flanged WH (White), SCH (Semi-Specular Chrome), SHZ (Low Iridescent Satin Haze), BK (Black), BZ (Bronze)
Dimming	DIM10, LUTH, LUTFTB, ELDO10.1-LIN, ELDODMX.1, ELDODALI.1, DIMTR, BLE-CASAMBI, POE, DIM10-0-OFF, ELDO10-LOG, XSR, DIM10-AUX
Emergency	EMG-LED-10W, EMG-LED-20W, INTG-EMG-LED-10W, INTG-EMG-LED-20W, EMG-LED-G2-10W-SDT
Lifetime	L70 at 102,000 Hours
Photometric Tests	In Accordance with IES LM79-08, LM80 and TM-30, TM-21



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PART NUMBER: **EPC-8-PM-900L-22K-90-NSPD-DIM10-120V-PM12**

Series	Lumens	CCT	CRI	Optics	Driver	Voltage	Emergency	Mounting
EPC-8-PM	900L	22K	90+	NSPD	DIM10	120V	-	PM12
	1200L	27K	98+²	Narrow Spot (15°)	LUTH	277V	EMG-LED-10W	PM18
	1500L	30K		SPD	LUTFTB⁴	MVOLT	EMG-LED-20W	PM24
	2000L	35K		Spot (24°)	ELDO10.1-LIN	347V⁵	INTG-EMG-LED-10W	PM36
	3000L	40K		ND	ELDODMX.1		INTG-EMG-LED-20W	PM48
	4000L	50K¹		Narrow (30°)	ELDODALI.1		EMG-LED-G2-10W-SDT	SM10
	6000L			MD	DIMTR³			
	8000L⁶			Medium (36°)	BLE-CASAMBI			
				MWD	POE			
				Medium Wide (52°)	DIM10-0-OFF			
			WD	ELDO10-LOG				
			Wide (60°)	XSR				
			VWD	DIM10-AUX				
			Very Wide (70°)					

¹ 50K series are available with 85+ CRI only ² 98+ CRI is available in 27K, 30K and 40K only ³ DIMTR available for luminaires up to 4000L in 120V only ⁴ LUTFTB Available for luminaires up to 1500L ⁵ 347V is available in only DIM10 ⁶ The 8000L is available in only DIM10

PART NUMBER: **EPC-8-PM-WDM-30K-18K-900L-90-NSPD-DIMTR-120V-PM12**

Series	Technology	Lumens	CRI	Optics	Driver	Voltage	Emergency	Mounting
EPC-8-PM-WDM <i>(Dim to Warm)</i>	30K-18K	900L	90+	NSPD	DIMTR¹	120V	-	PM12
	30K-22K	1200L		Narrow Spot (15°)	DIM10	277V	EMG-LED-10W	PM18
	27K-18K	1500L		SPD	LUTH	MVOLT	EMG-LED-20W	PM24
		2000L		Spot (24°)	ELDO10.1	347V²	INTG-EMG-LED-10W	PM36
				ND	ELDODALI.1		INTG-EMG-LED-20W	PM48
				Narrow (30°)	ELDODMX.1		EMG-LED-G2-10W-SDT	SM10
				MD				
				Medium (36°)				
				MWD				
				Medium Wide (52°)				
			WD					
			Wide (60°)					
			VWD					
			Very Wide (70°)					

¹ DIMTR available in 120V only ² 347V is available in only DIM10

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EPC-8-PM

Cylinder Series

PART NUMBER: EPC-8-PM-XIA-900L-27K-98-NSPD-DIM10-120V-PM12

Series	Lumens	CCT	CRI	Optics	Driver	Voltage	Emergency	Mounting
EPC-8-PM-XIA <i>(Xicato Artist)</i>	900L	27K	98+	NSPD	DIM10	120V	-	PM12
	1200L	30K		Narrow Spot (15°)	LUTH	277V	EMG-LED-10W	PM18
	1500L	30K-VIB		SPD	LUTFTB ⁴	MVOLT	EMG-LED-20W	PM24
	2000L	35K		Spot (24°)	ELDO10.1-LIN	347V ³	INTG-EMG-LED-10W	PM36
	3000L	40K		ND	ELDODMX.1		INTG-EMG-LED-20W	PM48
			Narrow (30°)	ELDODALI.1		EMG-LED-G2-10W-SDT	SM10	
			MD	DIMTR ³				
			Medium (36°)	BLE-CASAMBI				
			MWD	POE				
			Medium Wide (52°)	DIM10-0-OFF				
			WD	ELDO10-LOG				
			Wide (60°)	XSR				
			VWD	DIM10-AUX				
			Very Wide (70°)					

¹ DIMTR available in 120V only ² LUTFTB Available for luminaires up to 1500L ³ 347V is available in only DIM10

PART NUMBER: EPC-8-PM-NSL-900L-27K-97-NSPD-DIM10-120V-PM12

Series	Lumens	CCT	CRI	Optics	Driver	Voltage	Emergency	Mounting
EPC-8-PM-NSL <i>(Natural Spectrum)</i>	900L	27K	97+	NSPD	DIM10	120V	-	PM12
	1200L	30K		Narrow Spot (15°)	LUTH	277V	EMG-LED-10W	PM18
	1500L	35K		SPD	LUTFTB ⁴	MVOLT	EMG-LED-20W	PM24
	2000L	40K		Spot (24°)	ELDO10.1-LIN	347V ³	INTG-EMG-LED-10W	PM36
	3000L	50K		ND	ELDODMX.1		INTG-EMG-LED-20W	PM48
	65K		Narrow (30°)	ELDODALI.1		EMG-LED-G2-10W-SDT	SM10	
			MD	DIMTR ³				
			Medium (36°)	BLE-CASAMBI				
			MWD	POE				
			Medium Wide (52°)	DIM10-0-OFF				
			WD	ELDO10-LOG				
			Wide (60°)	XSR				
			VWD	DIM10-AUX				
			Very Wide (70°)					

¹ DIMTR available in 120V only ² LUTFTB Available for luminaires up to 1500L ³ 347V is available in only DIM10


























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ORDER GUIDE

REFLECTOR TYPE				MOUNTING	COLOR				
REFLECTOR TYPE				MOUNTING	COLOR				
Open Downlight EPD-8-801	Wall Wash EPD-8-807	Double Wall Wash EPD-8-877	Corner Wall Wash EPD-8-827	Flanged 	ANODIZED FLANGED				
					Clear White CL-WH 	Clear Bronze CL-BZ 	Black White BK-WH 	Satin Haze SHZ-SHZ 	Wheat WT-WT 
					Clear Semi-Spec CL-SCH 	Satin Haze White SHZ-WH 	Black BK-BK 	Satin Haze Black SHZ-BK 	
					Clear Black CL-BK 	White WH-WH 	Bronze BZ-BZ 	Wheat White WT-WH 	
Open Downlight EPD-8-TL-801	Wall Wash EPD-8-TL-807			Trimless 	ANODIZED TRIMLESS				
					White WH 	Black BK 	Clear CL 	Satin Haze SHZ 	



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Modifications Available

Consult factory for modification requests; orders may require shop drawing approval.

Downlight

Our signature anodized reflector, spun to a reverse parabola design, achieves a 50° shielding angle and a 40° cut-off, which eliminates inter-reflections, and enhances low aperture brightness

Wall Wash

The optical assembly delivers uniform ceiling-to-floor wallwashing without creating any visible scallops. The optical assembly is specially designed to extend a beam in two directions for a uniform floor-to-ceiling and side-to-side wash of light.

Double Wall Wash

Used in a corridor to wash both walls, providing both horizontal and vertical illumination that fully illuminates corridors and hallways.

Corner Wall Wash

Replacing the effect that two luminaires provide, a corner wallwasher kicks light across corners that run perpendicular to one another, ultimately providing a 210° wash of light fully covering conjoined walls and surfaces.

Optical Performance and Trim

Spun aluminum anodized single piece reflector. The optical system consists of 1) an upper reflector for a precise beam spread; 2) a solite soft focus lens to diffuse the light source for smooth, striation-free distribution; 3) and a patented lens to control the beam angle and provide a 40° visual cutoff. Available in a variety of beam angles. Integral heatsink comes preinstalled on the housing for maximum heat dissipation and locks together with the reflector to prevent zero light leakage for above the ceiling.

Fully Servicable - Easy Installation & Upgrading

Pendant mount option is supplied with a 5" diameter canopy cover. Suspended mount option is supplied with an aircraft adjustable cable, and is ideal for sloped ceiling applications up to 45 degrees.

Housing / Mounting

Die-formed constructed cylinder body for maximum heat dissipation and rust protection. Cylinder is available in a variety of post painted colors and custom RAL colors.

Emergency Options/Controls

The Emergency battery pack needs to be remote mounted in a junction above the ceiling. A custom made canopy can also be provided upon request when there is no ceiling access and the emergency needs to be mounted below the ceiling line. The test switch for the emergency battery is mounted remotely (EMG-LED option) on the ceiling. Self Diagnostic emergency option available (EMG-SDT) Typical lumen output of the luminaire is up to 1000L with EMG-LED-10W option & 2000L with EMG-LED-20W option in emergency mode. Other accessories and controls systems include modular wiring systems, daylight harvesting controls, occupancy sensors, and/or power packs for individual or room control applications.

Drivers

120/277V 50/60Hz; 347V available. THD < 20%; power factor >.09. Thermally protected. Removal of the reflector provides complete accessibility to the junction box, driver and internal components from above and below the ceiling through the aperture.

Dim to Warm Option

Dim to Warm simulates traditional incandescent halogen lighting through dimming. When the luminaire dims to warm from 100% to .1%, it makes a smooth transition across the black body radiator while maintaining a constant CRI of 90+. Available in 30K-18K, 30K-22K or 27K-18K range.

Xicato Artist Series LED Module (XIA)

Powered by Xicato Artist Series®, which are tested to IES TM-30-15, with a color fidelity score (Rf) of 96 and a color gamut score (Rg) of 102, and color shift less than du'v' of 0.003. Featuring cold phosphor technology, improving thermal management enhancing color consistency and delaying lumen depreciation.

Natural Spectrum (NSL)

Natural Spectrum LED option is designed for Human Centric lighting application. Natural Spectrum LEDs diminish blue light peak, similar spectral curve to sunlight, accurate rendering of colors and reduced scattered reflection and glare.

Dimming & Driver Information

DIM10 - 0-10V dimming on either MVOLT 120, 277 or 347V. Dimmable down to 1% of initial lumens, standard

LUTH - Lutron LDE1 Hi-Lume Eco System with Soft Fade to Black 1% dimming

LUTFTB - Lutron PEQO Hi-Lume Premier Eco System LED Driver with soft-on fade to black 0.1% dimming

ELDO10.1-LIN - ELDO10-Linear with linear dimming curve.

ELDODMX.1 - EldoLED PowerDrive dimming down to 0.1%. Please see EldoLED website for wiring diagrams and a list of compatible DMX and DALI control systems.

ELDODALI.1 - EldoLED SoloDrive DALI-2. Dimming down to 0.1%

DIMTR - Triac & Electronic low voltage forward phase dimming. Available in 120V only

BLE-CASAMBI - Luminaires may be controlled, grouped, scheduled or placed in scenes, and or zones Via Casambi Bluetooth 4.0 App.

POE - Power-over-Ethernet Depending on the PoE manufacturer selected

DIM10-0-OFF - Program DIM10-to OFF with linear dimming curve 0.1%

ELDO10-LOG - ELDO10-LOG with logarithmic dimming curve.

XSR - Xitanium SR Dimming

DIM10-AUX - 0-10V with Auxiliary power

ELDO10.1 - EldoLED SoloDrive 0-10V. Dimming down to 0.1%

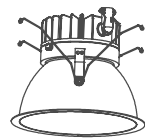
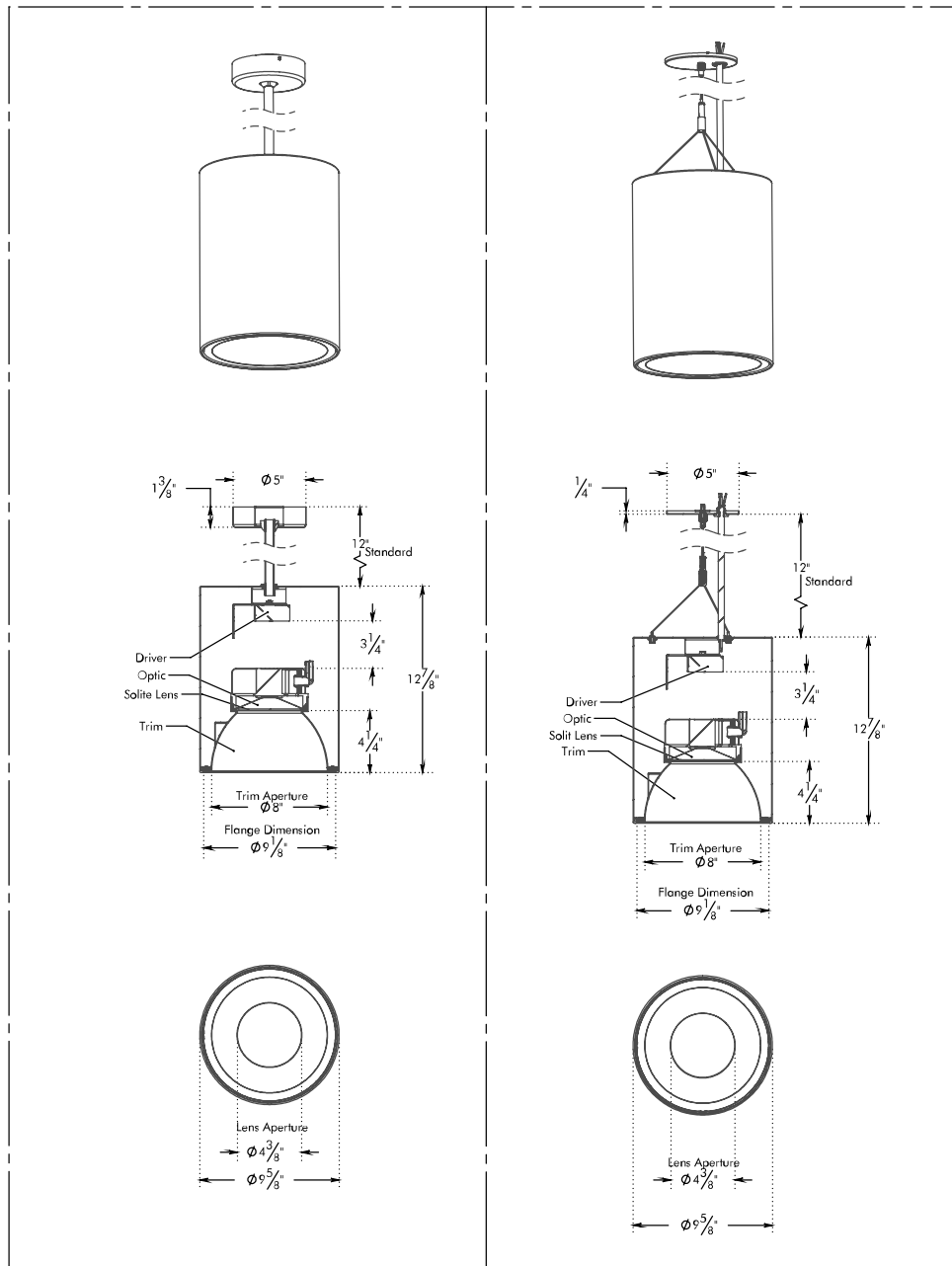


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HH8-8501

8"

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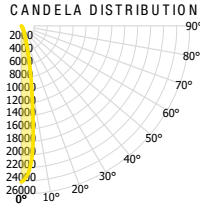
EPC-8-PM

Cylinder Series

EPC-8-PM-4000L-40K-90-NSPD-DIM10-MVOLT-EPD-8-801-CL-WH

TEST NO.: EL052522137

INPUT WATTS: 41.0 LUMENS: 4184 EFFICACY: 102 BEAM ANGLE: 20 SPACING CRITERIA: 0.28



CANDELA TABLE	
0°	90°
0°	24139
10°	9150
20°	1889
30°	638
40°	148
50°	24
60°	2
70°	1
80°	0
90°	0

LUMINANCE (cd/sq.m)		
0.00°	90.00°	
0.00°	516915	516915
45.00°	2241	2201
55.00°	145	152
65.00°	52	52
75.00°	31	31
85.00°	17	15

LUMENS PER ZONE	
ZONE	LUMENS
0° - 10°	1746
10° - 20°	1484
20° - 30°	592
30° - 40°	275
40° - 50°	74
50° - 60°	10
60° - 70°	1
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY		
ZONE	UMENS	% LUMINAIRE
0° - 20°	3230	77%
0° - 30°	3822	91%
0° - 40°	4097	98%
0° - 60°	4180	100%
0° - 80°	4182	100%
0° - 90°	4182	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	670.5 fc	2.1 ft	2.1 ft
8.0 ft	377.2 fc	2.8 ft	2.8 ft
10.0 ft	241.4 fc	3.4 ft	3.4 ft
12.0 ft	167.6 fc	4.1 ft	4.1 ft
14.0 ft	123.2 fc	4.8 ft	4.8 ft
16.0 ft	94.3 fc	5.5 ft	5.5 ft
18.0 ft	74.5 fc	6.2 ft	6.2 ft
20.0 ft	60.3 fc	6.9 ft	6.9 ft

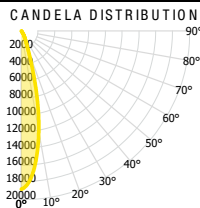
INDOOR COEFFICIENTS OF UTILIZATION

pc	pw	80%			70%			20%			50%			30%			10%			0%
		70%	50%	30%	70%	50%	30%	70%	50%	30%	70%	50%	30%	70%	50%	30%	70%	50%	30%	10%
0	119	119	119	119	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100	0%
1	115	113	111	109	113	111	109	107	107	107	105	104	103	102	101	100	99	98	97	0%
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	95	93	0%
3	108	103	99	97	106	102	98	96	99	97	94	97	95	93	95	93	92	90	90	0%
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	92	90	89	87	87	0%
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85	85	0%
6	98	92	88	85	97	92	88	85	90	87	84	89	86	84	88	85	83	82	82	0%
7	96	89	85	82	95	89	85	82	88	84	82	87	84	81	86	83	81	80	80	0%
8	93	87	83	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	78	0%
9	91	84	80	78	90	84	80	77	83	80	77	82	79	77	82	79	77	76	76	0%
10	89	82	78	76	88	82	78	75	81	78	75	80	77	75	80	77	75	74	74	0%

EPC-8-PM-4000L-40K-90-SPD-DIM10-MVOLT-EPD-8-801-CL-WH

TEST NO.: EL052522137

INPUT WATTS: 40.9 LUMENS: 4793 EFFICACY: 117 BEAM ANGLE: 27 SPACING CRITERIA: 0.42



CANDELA TABLE	
0°	90°
0°	18830
10°	12053
20°	2468
30°	746
40°	175
50°	28
60°	2
70°	1
80°	0
90°	0

LUMINANCE (cd/sq.m)		
0.00°	90.00°	
0.00°	403217	403217
45.00°	2805	2737
55.00°	166	172
65.00°	63	63
75.00°	37	38
85.00°	20	17

LUMENS PER ZONE	
ZONE	LUMENS
0° - 10°	1530
10° - 20°	2101
20° - 30°	739
30° - 40°	317
40° - 50°	90
50° - 60°	11
60° - 70°	1
70° - 80°	1
80° - 90°	0

ZONAL LUMEN SUMMARY		
ZONE	UMENS	% LUMINAIRE
0° - 20°	3631	76%
0° - 30°	4370	91%
0° - 40°	4687	98%
0° - 60°	4788	100%
0° - 80°	4790	100%
0° - 90°	4790	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	523.0 fc	2.9 ft	2.9 ft
8.0 ft	294.2 fc	3.9 ft	3.8 ft
10.0 ft	188.3 fc	4.9 ft	4.8 ft
12.0 ft	130.8 fc	5.8 ft	5.8 ft
14.0 ft	96.1 fc	6.8 ft	6.7 ft
16.0 ft	73.6 fc	7.8 ft	7.7 ft
18.0 ft	58.1 fc	8.8 ft	8.7 ft
20.0 ft	47.1 fc	9.7 ft	9.6 ft

INDOOR COEFFICIENTS OF UTILIZATION

pc	pw	80%			70%			20%			50%			30%			10%			0%
		70%	50%	30%	70%	50%	30%	70%	50%	30%	70%	50%	30%	70%	50%	30%	70%	50%	30%	10%
0	119	119	119	119	116	116	116	111	111	111	106	106	106	102	102	102	102	100	0%	
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96	96	0%
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	92	92	0%
3	107	102	98	95	105	101	97	95	98	95	93	96	94	92	94	92	90	89	89	0%
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86	86	0%
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	83	83	0%
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	80	80	0%
7	94	87	83	80	93	87	83	80	86	82	79	84	81	79	83	81	78	77	77	0%
8	91	84	80	77	90	84	80	77	83	79	77	82	79	76	81	78	76	75	75	0%
9	89	82	77	74	88	81	77	74	80	77	74	80	76	74	79	76	74	73	73	0%
10	86	79	75	72	85	79	75	72	78	74	72	77	74	72	77	74	72	71	71	0%



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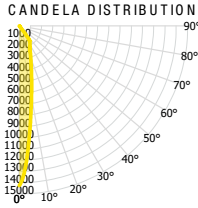
EPC-8-PM

Cylinder Series

EPC-8-PM-4000L-40K-90-ND-DIM 10-MVOLT-EPD-8-801-CL-WH

TEST NO.: EL052522137

INPUT WATTS: 41.1 LUMENS: 4623 EFFICACY: 112 BEAM ANGLE: 19 SPACING CRITERIA: 0.29 x 0.29



CANDELA TABLE

Table with 3 columns: Beam Angle (0°, 90°), Lumens (0°, 90°), and Candelas (0°, 90°). Values range from 14248 at 0° to 0 at 90°.

LUMINANCE (cd/sq.m)

Table with 3 columns: Beam Angle (0.00°, 90.00°), Luminance (0.00°, 90.00°), and Values (0.00°, 90.00°). Values range from 305111 to 0.

LUMENS PER ZONE

Table with 3 columns: Zone (0°-10° to 80°-90°), Lumens, and Values. Values range from 954 to 0.

ZONAL LUMEN SUMMARY

Table with 3 columns: Zone, Umens, and % Luminaires. Values range from 2291 umens to 100%.

CONE OF LIGHT

Table with 4 columns: Mounting Height (6.0-20.0 ft), FC at Beam Center, Beam Dia. (0°-180°), and Beam Dia. (90°-270°). Values range from 395.8 fc to 35.6 fc.

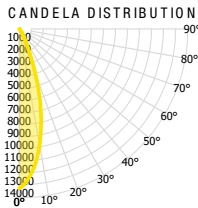
INDOOR COEFFICIENTS OF UTILIZATION

Large table with 15 columns for different room coefficients (ρc, ρw, 70%, 50%, 30%, 10%) and 15 rows for different mounting heights (0-10 ft). Values range from 119 to 58.

EPC-8-PM-4000L-40K-90-MD-DIM 10-MVOLT-EPD-8-801-CL-WH

TEST NO.: EL052522137

INPUT WATTS: 40.8 LUMENS: 4760 EFFICACY: 117 BEAM ANGLE: 34 SPACING CRITERIA: 0.51



CANDELA TABLE

Table with 3 columns: Beam Angle (0°, 90°), Lumens (0°, 90°), and Candelas (0°, 90°). Values range from 13289 at 0° to 0 at 90°.

LUMINANCE (cd/sq.m)

Table with 3 columns: Beam Angle (0.00°, 90.00°), Luminance (0.00°, 90.00°), and Values (0.00°, 90.00°). Values range from 284582 to 0.

LUMENS PER ZONE

Table with 3 columns: Zone (0°-10° to 80°-90°), Lumens, and Values. Values range from 1130 to 0.

ZONAL LUMEN SUMMARY

Table with 3 columns: Zone, Umens, and % Luminaires. Values range from 3233 umens to 100%.

CONE OF LIGHT

Table with 4 columns: Mounting Height (6.0-20.0 ft), FC at Beam Center, Beam Dia. (0°-180°), and Beam Dia. (90°-270°). Values range from 369.2 fc to 33.2 fc.

INDOOR COEFFICIENTS OF UTILIZATION

Large table with 15 columns for different room coefficients (ρc, ρw, 80%, 70%, 20%, 50%, 30%, 10%) and 15 rows for different mounting heights (0-10 ft). Values range from 119 to 66.



8"

Architectural LED Cylinder

EPC-8-PM

Cylinder Series

EPC-8-PM-4000L-40K-90-VWD-DIM10-MVOLT-EPD-8-801-CL-WH

TEST NO.: EL052522137

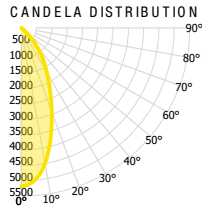
INPUT WATTS: 41.0

LUMENS: 3990

EFFICACY: 97

BEAM ANGLE: 48

SPACING CRITERIA: 0.69 x 0.69



CANDELA TABLE

	0°	90°
0°	5182	5182
10°	4498	4477
20°	2922	2958
30°	1670	1707
40°	807	850
50°	126	140
60°	8	9
70°	3	3
80°	1	1
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	110978	110978
45.00°	11801	13149
55.00°	740	1065
65.00°	261	262
75.00°	139	141
85.00°	54	44

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	470
10° - 20°	1090
20° - 30°	1120
30° - 40°	851
40° - 50°	398
50° - 60°	50
60° - 70°	6
70° - 80°	2
80° - 90°	0

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	1560	39%
0° - 30°	2681	67%
0° - 40°	3532	89%
0° - 60°	3979	100%
0° - 80°	3988	100%
0° - 90°	3988	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	144.0 fc	5.3 ft	5.3 ft
8.0 ft	81.0 fc	7.1 ft	7.1 ft
10.0 ft	51.8 fc	8.8 ft	8.8 ft
12.0 ft	36.0 fc	10.6 ft	10.6 ft
14.0 ft	26.4 fc	12.4 ft	12.3 ft
16.0 ft	20.2 fc	14.1 ft	14.1 ft
18.0 ft	16.0 fc	15.9 ft	15.9 ft
20.0 ft	13.0 fc	17.7 ft	17.6 ft

INDOOR COEFFICIENTS OF UTILIZATION

ρ _f	80%				70%				20%				50%				30%				10%				0%			
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	106	102	102	102	100	100	100	100	100	100	100	100	100	
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93	93	93	93	93	93	93	93	93	93	
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87	87	87	87	87	87	87	87	87	87	
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80	80	80	80	80	80	80	80	80	80	
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75	75	75	75	75	75	75	75	75	
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69	69	69	69	69	69	69	69	69	69	
6	87	78	72	68	86	77	72	68	76	71	67	75	70	67	73	69	66	65	65	65	65	65	65	65	65	65	65	
7	83	73	67	63	82	73	67	63	72	66	63	70	66	62	69	65	62	61	61	61	61	61	61	61	61	61	61	
8	79	69	63	59	78	69	63	59	68	62	59	66	62	58	66	61	58	57	57	57	57	57	57	57	57	57	57	
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53	53	53	53	53	53	53	53	53	53	
10	72	62	56	52	71	61	56	52	61	55	52	60	55	52	59	55	52	50	50	50	50	50	50	50	50	50	50	

