

6"

Architectural LED Cylinder

EPC-6-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	1065	12
1200L	1422	16
1500L	1785	20
2000L	2252	28
3000L	3374	36
4000L	4649	46
5000L	5625	61
6000L	6542	76

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 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-6-PM-900L-22K-90-NSPD-DIM10-120V-PM12**

Series	Lumens	CCT	CRI	Optics	Driver	Voltage	Emergency	Mounting
EPC-6-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			
			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-6-PM-WDM-30K-18K-900L-90-NSPD-DIMTR-120V-PM12**

Series	Technology	Lumens	CRI	Optics	Driver	Voltage	Emergency	Mounting
EPC-6-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-6-PM

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PART NUMBER: EPC-6-PM-XIA-900L-27K-98-NSPD-DIM10-120V-PM12

Series	Lumens	CCT	CRI	Optics	Driver	Voltage	Emergency	Mounting
EPC-6-PM-XIA <i>(Xicato Artist)</i>	900L	27K	98+	NSPD	DIM10 LUTH LUTFTB ⁴ ELDO10.1-LIN ELDODMX.1 ELDODALI.1 DIMTR ³ BLE-CASAMBI POE DIM10-0-OFF ELDO10-LOG XSR DIM10-AUX	120V 277V MVOLT 347V ³	-	PM12 PM18 PM24 PM36 PM48 SM10
	1200L	30K		SPD				
	1500L	30K-VIB		Spot (24°)				
	2000L	35K		ND				
	3000L	40K		Narrow (30°)				
			MD					
			Medium (36°)					
			MWD					
			Medium Wide (52°)					
			WD					
			Wide (60°)					
			VWD					
			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-6-PM-NSL-900L-27K-97-NSPD-DIM10-120V-PM12

Series	Lumens	CCT	CRI	Optics	Driver	Voltage	Emergency	Mounting
EPC-6-PM-NSL <i>(Natural Spectrum)</i>	900L	27K	97+	NSPD	DIM10 LUTH LUTFTB ⁴ ELDO10.1-LIN ELDODMX.1 ELDODALI.1 DIMTR ³ BLE-CASAMBI POE DIM10-0-OFF ELDO10-LOG XSR DIM10-AUX	120V 277V MVOLT 347V ³	-	PM12 PM18 PM24 PM36 PM48 SM10
	1200L	30K		SPD				
	1500L	35K		Spot (24°)				
	2000L	40K		ND				
	3000L	50K		Narrow (30°)				
	65K	MD						
		Medium (36°)						
		MWD						
		Medium Wide (52°)						
		WD						
		Wide (60°)						
		VWD						
		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-6-601 	Wall Wash EPD-6-607 	Double Wall Wash EPD-6-677 	Corner Wall Wash EPD-6-627 	Flanged 	ANODIZED FLANGED				
					Clear White CL-WH 	Clear Bronze CL-BZ 	Black White BK-WH 	Satin Haze SHZ-SHZ 	Wheat WT-WT 
					ANODIZED TRIMLESS				
Open Downlight EPD-6-TL-601 	Wall Wash EPD-6-TL-607 			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%

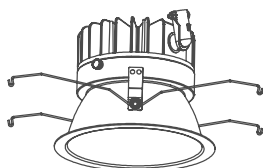
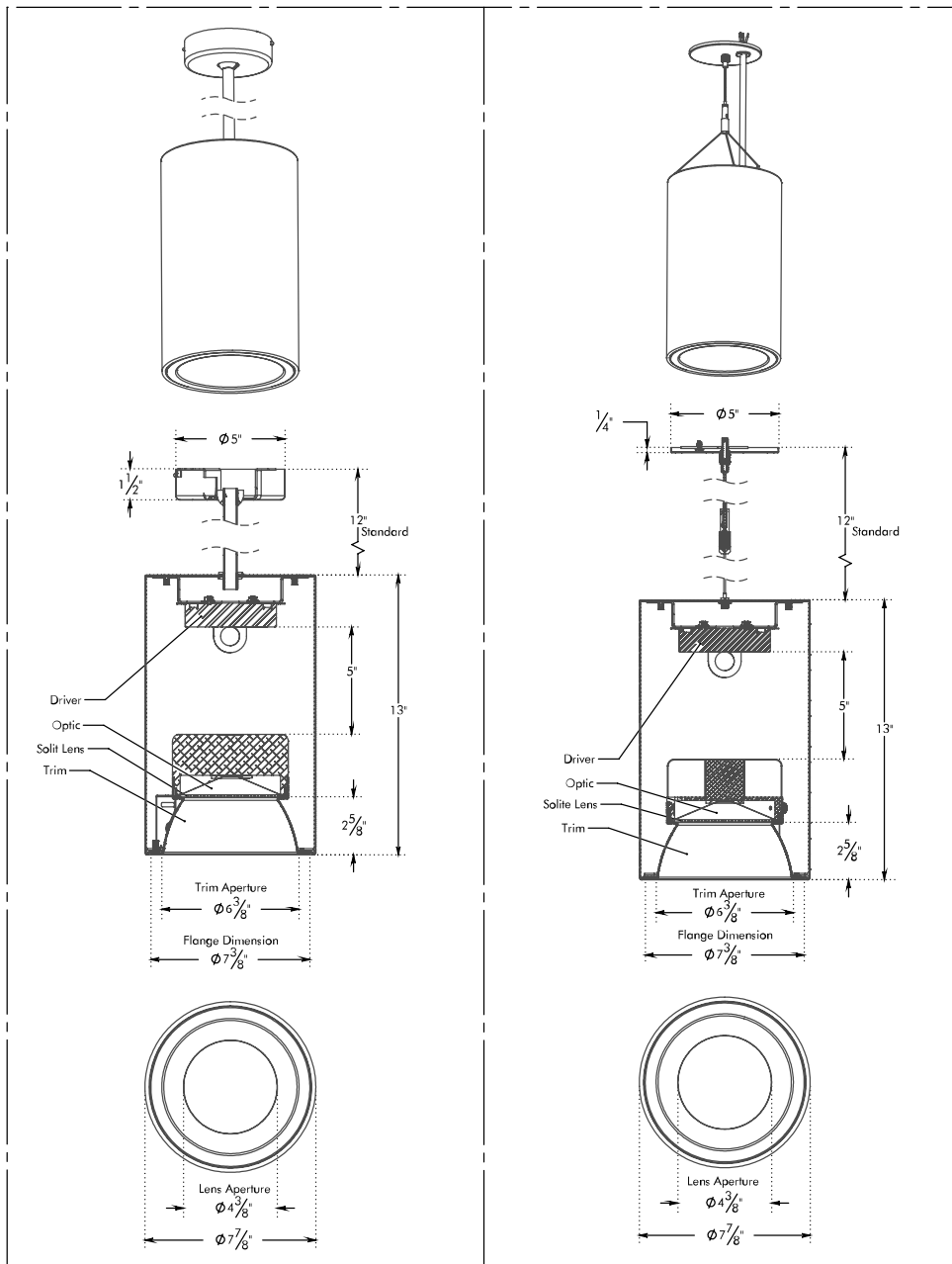


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HH6-6501



6"

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EPC-6-PM

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EPC-6-PM-4000L-40K-90-NSPD-DIM10-MVOLT-EPD-6-601-CL-WH

TEST NO.: EL05112270

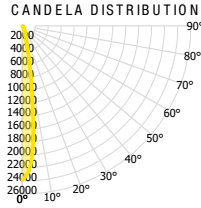
INPUT WATTS: 38.6

LUMENS: 3986

EFFICACY: 103

BEAM ANGLE: 19

SPACING CRITERIA: 0.26



CANDELA TABLE

	0°	90°
0°	23792	23792
10°	7538	10215
20°	1485	1942
30°	596	690
40°	202	250
50°	62	73
60°	9	14
70°	1	1
80°	0	0
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	905757	905757
45.00°	5537	6698
55.00°	1777	2295
65.00°	187	208
75.00°	90	110
85.00°	31	35

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	1691
10° - 20°	1327
20° - 30°	535
30° - 40°	283
40° - 50°	108
50° - 60°	35
60° - 70°	4
70° - 80°	1
80° - 90°	0

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	3018	76%
0° - 30°	3553	89%
0° - 40°	3836	96%
0° - 60°	3979	100%
0° - 80°	3984	100%
0° - 90°	3984	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	660.9 fc	2.0 ft	2.0 ft
8.0 ft	371.8 fc	2.7 ft	2.6 ft
10.0 ft	237.9 fc	3.4 ft	3.3 ft
12.0 ft	165.2 fc	4.1 ft	4.0 ft
14.0 ft	121.4 fc	4.7 ft	4.6 ft
16.0 ft	92.9 fc	5.4 ft	5.3 ft
18.0 ft	73.4 fc	6.1 ft	6.0 ft
20.0 ft	59.5 fc	6.8 ft	6.6 ft

INDOOR COEFFICIENTS OF UTILIZATION

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

EPC-6-PM-4000L-40K-90-SPD-DIM10-MVOLT-EPD-6-601-CL-WH

TEST NO.: EL05112270

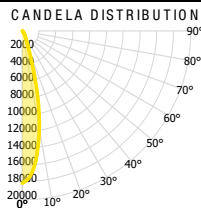
INPUT WATTS: 38.6

LUMENS: 4575

EFFICACY: 119

BEAM ANGLE: 27

SPACING CRITERIA: 0.42



CANDELA TABLE

	0°	90°
0°	18099	18099
10°	11695	13524
20°	2196	3060
30°	722	807
40°	254	284
50°	75	84
60°	11	14
70°	1	1
80°	0	0
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	689034	689034
45.00°	6994	7930
55.00°	2028	2470
65.00°	213	222
75.00°	112	121
85.00°	35	44

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	1475
10° - 20°	1937
20° - 30°	651
30° - 40°	330
40° - 50°	133
50° - 60°	42
60° - 70°	5
70° - 80°	1
80° - 90°	0

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	3411	75%
0° - 30°	4062	89%
0° - 40°	4392	96%
0° - 60°	4567	100%
0° - 80°	4573	100%
0° - 90°	4573	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	502.8 fc	2.9 ft	2.8 ft
8.0 ft	282.8 fc	3.8 ft	3.8 ft
10.0 ft	181.0 fc	4.8 ft	4.7 ft
12.0 ft	125.7 fc	5.7 ft	5.7 ft
14.0 ft	92.3 fc	6.7 ft	6.6 ft
16.0 ft	70.7 fc	7.7 ft	7.6 ft
18.0 ft	55.9 fc	8.6 ft	8.5 ft
20.0 ft	45.2 fc	9.6 ft	9.4 ft

INDOOR COEFFICIENTS OF UTILIZATION

ρf	20%																0%		
	80%				70%				50%				30%				10%	0%	
	ρw	70%	50%	30%	10%	70%	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	102	102	102	100	100
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96	96
2	111	107	104	101	108	105	102	100	102	100	98	99	97	96	96	95	94	92	91
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	88	86
4	103	97	93	90	101	96	92	89	94	91	88	92	90	87	91	88	86	85	83
5	100	93	89	86	98	92	88	85	91	87	85	89	86	84	88	85	83	82	80
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	79	77
7	93	86	82	79	92	86	82	79	85	81	78	84	80	78	83	80	78	76	74
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74	72
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72	70
10	85	78	74	71	85	78	74	71	77	74	71	77	73	71	76	73	71	70	68



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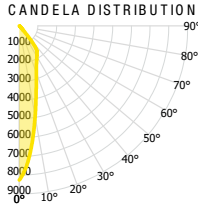
EPC-6-PM

Cylinder Series

EPC-6-PM-4000L-40K-90-ND-DIM10-MVOLT-EPD-6-601-CL-WH

TEST NO.: EL05112270

INPUT WATTS: 38.5 LUMENS: 4390 EFFICACY: 114 BEAM ANGLE: 29 SPACING CRITERIA: 0.41



CANDELA TABLE with columns for angle (0°, 90°) and values for each angle.

LUMINANCE (cd/sq.m) with columns for 0.00°, 90.00° and values for each angle.

LUMENS PER ZONE with columns for ZONE and LUMENS.

ZONAL LUMEN SUMMARY with columns for ZONE, UMENS, % LUMINAIRE.

CONE OF LIGHT

Table with columns: MOUNTING HEIGHT, FC AT BEAM CENTER, BEAM DIA. 0°-180°, BEAM DIA. 90°-270°.

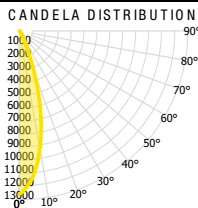
INDOOR COEFFICIENTS OF UTILIZATION

Large table for indoor coefficients of utilization with columns for pf, pc, pw and various utilization percentages.

EPC-6-PM-4000L-40K-90-MD-DIM10-MVOLT-EPD-6-601-CL-WH

TEST NO.: EL05112270

INPUT WATTS: 38.7 LUMENS: 4576 EFFICACY: 118 BEAM ANGLE: 34 SPACING CRITERIA: 0.50



CANDELA TABLE with columns for angle (0°, 90°) and values for each angle.

LUMINANCE (cd/sq.m) with columns for 0.00°, 90.00° and values for each angle.

LUMENS PER ZONE with columns for ZONE and LUMENS.

ZONAL LUMEN SUMMARY with columns for ZONE, UMENS, % LUMINAIRE.

CONE OF LIGHT

Table with columns: MOUNTING HEIGHT, FC AT BEAM CENTER, BEAM DIA. 0°-180°, BEAM DIA. 90°-270°.

INDOOR COEFFICIENTS OF UTILIZATION

Large table for indoor coefficients of utilization with columns for pf, pc, pw and various utilization percentages.



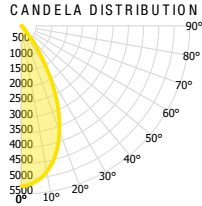
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EPC-6-PM-4000L-40K-90-MWD-DIM10-MVOLT-EPD-6-601-CL-WH TEST NO.: ELO5112270
 INPUT WATTS: 38.8 LUMENS: 4110 EFFICACY: 106 BEAM ANGLE: 55 SPACING CRITERIA: 0.81



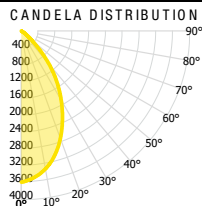
CANDELA TABLE		LUMINANCE (cd/sq.m)			LUMENS PER ZONE		ZONAL LUMEN SUMMARY			
	0°	90°	0.00°	90.00°	ZONE	LUMENS	ZONE	UMENS	% LUMINAIRE	
0°	5246	5246	0.00°	199717	199717	0° - 10°	488	0° - 20°	1746	42%
10°	4838	4975	45.00°	7686	8369	10° - 20°	1258	0° - 30°	3139	76%
20°	3649	3917	55.00°	1766	2428	20° - 30°	1393	0° - 40°	3897	95%
30°	1808	2107	65.00°	250	289	30° - 40°	758	0° - 60°	4101	100%
40°	338	509	75.00°	149	179	40° - 50°	166	0° - 80°	4107	100%
50°	75	83	85.00°	52	83	50° - 60°	38	0° - 90°	4108	100%
60°	8	13				60° - 70°	5			
70°	2	2				70° - 80°	1			
80°	0	1				80° - 90°	0			
90°	0	0								

CONE OF LIGHT

INDOOR COEFFICIENTS OF UTILIZATION

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°	pc	80%			70%			20%			50%			30%			10%			0%		
					pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
6.0 ft	145.7 fc	6.3 ft	6.2 ft	0	119	119	119	119	116	116	111	111	111	106	106	106	102	102	102	102	102	100	100	100	
8.0 ft	82.0 fc	8.4 ft	8.3 ft	1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94		
10.0 ft	52.5 fc	10.5 ft	10.4 ft	2	108	104	100	97	106	102	98	96	99	96	93	96	93	91	93	91	90	88	88		
12.0 ft	36.4 fc	12.6 ft	12.5 ft	3	103	97	92	89	101	96	91	88	93	89	86	91	88	85	88	86	84	82	82		
14.0 ft	26.8 fc	14.6 ft	14.5 ft	4	98	91	86	82	96	90	85	81	88	84	80	86	82	79	84	81	78	77	77		
16.0 ft	20.5 fc	16.7 ft	16.6 ft	5	94	86	80	76	92	85	79	76	83	78	75	81	77	74	80	76	74	72	72		
18.0 ft	16.2 fc	18.8 ft	18.7 ft	6	89	81	75	71	88	80	74	71	78	74	70	77	73	70	76	72	69	68	68		
20.0 ft	13.1 fc	20.9 ft	20.8 ft	7	85	76	70	66	84	75	70	66	74	69	66	73	69	65	72	68	65	64	64		
				8	81	72	66	62	80	71	66	62	70	65	62	69	65	62	68	64	61	60	60		
				9	77	68	62	59	76	68	62	58	67	62	58	66	61	58	65	61	58	57	57		
				10	74	65	59	55	73	64	59	55	63	58	55	63	58	55	62	58	55	54	54		

EPC-6-PM-4000L-40K-90-WD-DIM10-MVOLT-EPD-6-601-CL-WH TEST NO.: ELO5112270
 INPUT WATTS: 38.5 LUMENS: 4082 EFFICACY: 106 BEAM ANGLE: 65 SPACING CRITERIA: 0.90



CANDELA TABLE		LUMINANCE (cd/sq.m)			LUMENS PER ZONE		ZONAL LUMEN SUMMARY			
	0°	90°	0.00°	90.00°	ZONE	LUMENS	ZONE	UMENS	% LUMINAIRE	
0°	3601	3601	0.00°	137096	137096	0° - 10°	337	0° - 20°	1235	30%
10°	3333	3448	45.00°	31651	36489	10° - 20°	898	0° - 30°	2367	58%
20°	2724	2887	55.00°	8079	9507	20° - 30°	1132	0° - 40°	3363	82%
30°	1903	2051	65.00°	986	993	30° - 40°	996	0° - 60°	4057	99%
40°	1032	1152	75.00°	459	484	40° - 50°	544	0° - 80°	4080	100%
50°	281	335	85.00°	144	135	50° - 60°	149	0° - 90°	4081	100%
60°	41	52				60° - 70°	20			
70°	6	6				70° - 80°	4			
80°	1	1				80° - 90°	1			
90°	0	0								

CONE OF LIGHT

INDOOR COEFFICIENTS OF UTILIZATION

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°	pc	80%			70%			20%			50%			30%			10%			0%		
					pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
6.0 ft	100.0 fc	7.7 ft	7.7 ft	0	119	119	119	119	116	116	111	111	111	106	106	106	102	102	102	102	102	100	100		
8.0 ft	56.3 fc	10.3 ft	10.2 ft	1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92	92		
10.0 ft	36.0 fc	12.8 ft	12.8 ft	2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	90	88	86	85	85		
12.0 ft	25.0 fc	15.4 ft	15.3 ft	3	101	93	88	84	98	92	87	83	89	85	82	87	83	80	85	82	79	77	77		
14.0 ft	18.4 fc	18.0 ft	17.9 ft	4	95	86	80	76	93	85	80	75	83	78	74	81	77	73	79	75	72	71	71		
16.0 ft	14.1 fc	20.5 ft	20.5 ft	5	89	80	74	69	87	79	73	68	77	72	68	75	71	67	74	70	67	65	65		
18.0 ft	11.1 fc	23.1 ft	23.0 ft	6	84	74	68	63	83	73	67	63	72	66	62	70	66	62	69	65	61	60	60		
20.0 ft	9.0 fc	25.7 ft	25.6 ft	7	79	69	63	58	78	68	62	58	67	62	57	66	61	57	65	60	57	55	55		
				8	75	65	58	54	74	64	58	53	63	57	53	62	57	53	61	56	53	51	51		
				9	71	60	54	50	70	60	54	50	59	53	49	58	53	49	57	52	49	48	48		
				10	67	57	50	46	66	56	50	46	55	50	46	55	49	46	54	49	46	44	44		



6"

Architectural LED Cylinder

EPC-6-PM

Cylinder Series

EPC-6-PM-4000L-40K-90-VWD-DIM10-MVOLT-EPD-6-601-CL-WH

TEST NO.: EL05112270

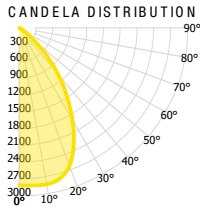
INPUT WATTS: 38.6

LUMENS: 3979

EFFICACY: 103

BEAM ANGLE: 74

SPACING CRITERIA: 1.06



CANDELA TABLE

	0°	90°
0°	2813	2813
10°	2833	2805
20°	2619	2639
30°	1899	2009
40°	1077	1199
50°	340	440
60°	39	57
70°	6	7
80°	1	2
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	107095	107095
45.00°	36820	43347
55.00°	8980	11859
65.00°	973	1122
75.00°	444	528
85.00°	122	157

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	270
10° - 20°	788
20° - 30°	1097
30° - 40°	997
40° - 50°	617
50° - 60°	184
60° - 70°	20
70° - 80°	4
80° - 90°	1

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	1058	27%
0° - 30°	2155	54%
0° - 40°	3152	79%
0° - 60°	3953	99%
0° - 80°	3977	100%
0° - 90°	3977	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	78.1 fc	9.1 ft	9.1 ft
8.0 ft	44.0 fc	12.1 ft	12.1 ft
10.0 ft	28.1 fc	15.1 ft	15.1 ft
12.0 ft	19.5 fc	18.1 ft	18.2 ft
14.0 ft	14.4 fc	21.1 ft	21.2 ft
16.0 ft	11.0 fc	24.2 ft	24.2 ft
18.0 ft	8.7 fc	27.2 ft	27.2 ft
20.0 ft	7.0 fc	30.2 ft	30.3 ft

INDOOR COEFFICIENTS OF UTILIZATION

ρf ρw	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%				
0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	106	102	102	102	100	100	100	100	100				
1	113	110	107	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92	92	92	92	92	92	92				
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	87	85	84	84	84	84	84	84	84				
3	100	92	87	82	98	91	86	82	88	84	80	86	82	79	84	80	78	76	76	76	76	76	76	76				
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71	69	69	69	69	69	69	69				
5	88	79	72	67	86	78	71	67	76	70	66	74	69	65	72	68	65	63	63	63	63	63	63	63				
6	83	73	66	61	81	72	65	61	70	64	60	69	64	60	67	63	59	58	58	58	58	58	58	58				
7	78	67	60	56	76	67	60	56	65	59	55	64	59	55	63	58	55	53	53	53	53	53	53	53				
8	73	63	56	51	72	62	56	51	61	55	51	60	54	51	59	54	50	49	49	49	49	49	49	49				
9	69	58	52	47	68	58	51	47	57	51	47	56	51	47	55	50	47	45	45	45	45	45	45	45				
10	65	55	48	44	64	54	48	44	53	47	44	52	47	43	52	47	43	42	42	42	42	42	42	42				

