

# 6"

Architectural LED Cylinder

# EPC-6-CM

## 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%

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



# 6"

Architectural LED Cylinder

# EPC-6-CM

## Cylinder Series

PART NUMBER: **EPC-6-CM-900L-22K-90-NSPD-DIM10-120V**

Series	Lumens	CCT	CRI	Optics	Driver	Voltage	Emergency
<b>EPC-6-CM</b>	<b>900L</b>	<b>22K</b>	<b>90+</b>	<b>NSPD</b>	<b>DIM10</b>	<b>120V</b>	-
	<b>1200L</b>	<b>27K</b>	<b>98+<sup>2</sup></b>	Narrow Spot (15°)	<b>LUTH</b>	<b>277V</b>	<b>EMG-LED-10W</b>
	<b>1500L</b>	<b>30K</b>		<b>SPD</b>	<b>LUTFTB<sup>4</sup></b>	<b>MVOLT</b>	<b>EMG-LED-20W</b>
	<b>2000L</b>	<b>35K</b>		Spot (24°)	<b>ELDO10.1-LIN</b>	<b>347V<sup>5</sup></b>	<b>INTG-EMG-LED-10W</b>
	<b>3000L</b>	<b>40K</b>		<b>ND</b>	<b>ELDODMX.1</b>		<b>INTG-EMG-LED-20W</b>
	<b>4000L</b>	<b>50K<sup>1</sup></b>		Narrow (30°)	<b>ELDODALI.1</b>		<b>EMG-LED-G2-10W-SDT</b>
	<b>6000L</b>			<b>MD</b>	<b>DIMTR<sup>3</sup></b>		
			Medium (36°)	<b>BLE-CASAMBI</b>			
			<b>MWD</b>	<b>POE</b>			
			Medium Wide (52°)	<b>DIM10-0-OFF</b>			
			<b>WD</b>	<b>ELDO10-LOG</b>			
			Wide (60°)	<b>XSR</b>			
			<b>VWD</b>	<b>DIM10-AUX</b>			
			Very Wide (70°)				

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

PART NUMBER: **EPC-6-CM-WDM-30K-18K-900L-90-NSPD-DIMTR-120V**

Series	Technology	Lumens	CRI	Optics	Driver	Voltage	Emergency
<b>EPC-6-CM-WDM</b> <i>(Dim to Warm)</i>	<b>30K-18K</b>	<b>900L</b>	<b>90+</b>	<b>NSPD</b>	<b>DIMTR<sup>1</sup></b>	<b>120V</b>	-
	<b>30K-22K</b>	<b>1200L</b>		Narrow Spot (15°)	<b>DIM10</b>	<b>277V</b>	<b>EMG-LED-10W</b>
	<b>27K-18K</b>	<b>1500L</b>		<b>SPD</b>	<b>LUTH</b>	<b>MVOLT</b>	<b>EMG-LED-20W</b>
	<b>2000L</b>	<b>2000L</b>		Spot (24°)	<b>ELDO10.1</b>	<b>347V<sup>2</sup></b>	<b>INTG-EMG-LED-10W</b>
				<b>ND</b>	<b>ELDODALI.1</b>		<b>INTG-EMG-LED-20W</b>
				Narrow (30°)	<b>ELDODMX.1</b>		
				<b>MD</b>			
				Medium (36°)			
				<b>MWD</b>			
				Medium Wide (52°)			
				<b>WD</b>			
				Wide (60°)			
				<b>VWD</b>			
				Very Wide (70°)			

<sup>1</sup> DIMTR available in 120V only    <sup>2</sup> 347V is available in only DIM10

# 6"

## Architectural LED Cylinder

# EPC-6-CM

## Cylinder Series

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

Series	Lumens	CCT	CRI	Optics	Driver	Voltage	Emergency
<b>EPC-6-CM-XIA</b> <i>(Xicato Artist)</i>	900L 1200L 1500L 2000L 3000L	27K 30K 30K-VIB 35K 40K	98+	<b>NSPD</b> Narrow Spot (15°) <b>SPD</b> Spot (24°) <b>ND</b> Narrow (30°) <b>MD</b> Medium (36°) <b>MWD</b> Medium Wide (52°) <b>WD</b> Wide (60°) <b>VWD</b> Very Wide (70°)	<b>DIM10</b> <b>LUTH</b> <b>LUTFTB<sup>4</sup></b> <b>ELDO10.1-LIN</b> <b>ELDODMX.1</b> <b>ELDODALI.1</b> <b>DIMTR<sup>3</sup></b> <b>BLE-CASAMBI</b> <b>POE</b> <b>DIM10-0-OFF</b> <b>ELDO10-LOG</b> <b>XSR</b> <b>DIM10-AUX</b>	120V 277V MVOLT 347V <sup>3</sup>	- <b>EMG-LED-10W</b> <b>EMG-LED-20W</b> <b>INTG-EMG-LED-10W</b> <b>INTG-EMG-LED-20W</b> <b>EMG-LED-G2-10W-SDT</b>

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

PART NUMBER: EPC-6-CM-NSL-900L-27K-97-NSPD-DIM10-120V

Series	Lumens	CCT	CRI	Optics	Driver	Voltage	Emergency
<b>EPC-6-CM-NSL</b> <i>(Natural Spectrum)</i>	900L 1200L 1500L 2000L 3000L	27K 30K 35K 40K 50K 65K	97+	<b>NSPD</b> Narrow Spot (15°) <b>SPD</b> Spot (24°) <b>ND</b> Narrow (30°) <b>MD</b> Medium (36°) <b>MWD</b> Medium Wide (52°) <b>WD</b> Wide (60°) <b>VWD</b> Very Wide (70°)	<b>DIM10</b> <b>LUTH</b> <b>LUTFTB<sup>4</sup></b> <b>ELDO10.1-LIN</b> <b>ELDODMX.1</b> <b>ELDODALI.1</b> <b>DIMTR<sup>3</sup></b> <b>BLE-CASAMBI</b> <b>POE</b> <b>DIM10-0-OFF</b> <b>ELDO10-LOG</b> <b>XSR</b> <b>DIM10-AUX</b>	120V 277V MVOLT 347V <sup>3</sup>	- <b>EMG-LED-10W</b> <b>EMG-LED-20W</b> <b>INTG-EMG-LED-10W</b> <b>INTG-EMG-LED-20W</b> <b>EMG-LED-G2-10W-SDT</b>


























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

# 6"

## Architectural LED Cylinder

# EPC-6-CM Cylinder Series

### 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 
					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-6-TL-601	Wall Wash EPD-6-TL-607			Trimless 	ANODIZED TRIMLESS				
					White WH 	Black BK 	Clear CL 	Satin Haze SHZ 	



# 6"

## Architectural LED Cylinder

# EPC-6-CM

## Cylinder Series

### 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

Ceiling mount bracket provided for direct installation with 3-1/4" to 4" octagonal and square junction box.

### 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%



6"

Architectural LED Cylinder

EPC-6-CM

Cylinder Series

