

6"

Architectural LED Downlight - Remodel

EPD-R6

Edison Series



#### Application

A complete family of downlights, accent lights, wallwashers, double wallwashers, and corner wallwashers in multiple 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, 1×2 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	9
1200L	1398	12
1500L	1785	15
2000L	2252	20
3000L	3339	32
4000L	4575	38
5000L	5625	61
6000L	6696	72
8000L	7772	90

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



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<b>Lumens</b>	<b>High Performance:</b> 900, 1200, 1500, 2000, 3000, 4000, 6000, 8000 <b>Dims to Warm:</b> 900, 1200, 1500, 2000, 3000, 4000 <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), BK (Black), BZ (Bronze)
<b>Flange Colors</b>	WH (Self-Flanged White), SCH (Self-Flanged Semi-Specular Chrome), SHZ (Self-Flanged Low Iridescent Satin Haze), BK (Self-Flanged Black), BZ (Self-Flanged 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

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PART NUMBER: EPD-R6-900L-22K-90-NSPD-DIM10-120V

Series	Lumens	CCT	CRI	Optics	Driver	Voltage	Emergency	Options
EPD-R6	900L 1200L 1500L 2000L 3000L 4000L 6000L 8000L <sup>6</sup>	22K 27K 30K 35K 40K 50K <sup>1</sup>	90+ 98+ <sup>2</sup>	NSPD Narrow Spot (15°) SPD Spot (24°) ND Narrow (30°) MD Medium (36°) MWD Medium Wide (52°) WD Wide (60°) VWD Very Wide (70°)	DIM10 LUTH LUTFTB <sup>4</sup> ELDO10.1-LIN ELDODMX.1 ELDODALI.1 DIMTR <sup>3</sup> BLE-CASAMBI POE DIM10-0-OFF ELDO10-LOG XSR DIM10-AUX	120V 277V MVOLT 347V <sup>5</sup>	- EMG-LED-10W EMG-LED-20W INTG-EMG-LED-10W INTG-EMG-LED-20W EMG-LED-G2-10W-SDT	- USA

<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: EPD-R6-WDM-30K-18K-900L-90-NSPD-DIMTR-120V

Series	Technology	Lumens	CRI	Optics	Driver	Voltage	Emergency	Options
EPD-R6-WDM (Dim to Warm)	30K-18K 30K-22K 27K-18K	900L 1200L 1500L 2000L 3000L 4000L	90+	NSPD Narrow Spot (15°) SPD Spot (24°) ND Narrow (30°) MD Medium (36°) MWD Medium Wide (52°) WD Wide (60°) VWD Very Wide (70°)	DIMTR <sup>1</sup> DIM10 LUTH ELDO10.1 ELDODALI.1 ELDODMX.1	120V 277V MVOLT 347V <sup>2</sup>	- EMG-LED-10W EMG-LED-20W INTG-EMG-LED-10W INTG-EMG-LED-20W EMG-LED-G2-10W-SDT	- USA

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

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PART NUMBER: EPD-R6-XIA-900L-27K-98-NSPD-DIM10-120V

Series	Lumens	CCT	CRI	Optics	Driver	Voltage	Emergency	Options
<b>EPD-R6-XIA</b> (Xicato Artist)	<b>900L</b> <b>1200L</b> <b>1500L</b> <b>2000L</b> <b>3000L</b>	<b>27K</b> <b>30K</b> <b>30K-VIB</b> <b>35K</b> <b>40K</b>	<b>98+</b>	<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>	<b>120V</b> <b>277V</b> <b>MVOLT</b> <b>347V<sup>3</sup></b>	- <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>	- <b>USA</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: EPD-R6-NSL-900L-27K-97-NSPD-DIM10-120V

Series	Lumens	CCT	CRI	Optics	Driver	Voltage	Emergency	Options
<b>EPD-R6-NSL</b> (Natural Spectrum)	<b>900L</b> <b>1200L</b> <b>1500L</b> <b>2000L</b> <b>3000L</b>	<b>27K</b> <b>30K</b> <b>35K</b> <b>40K</b> <b>50K</b> <b>65K</b>	<b>97+</b>	<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>	<b>120V</b> <b>277V</b> <b>MVOLT</b> <b>347V<sup>3</sup></b>	- <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>	- <b>USA</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

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ORDER GUIDE

ORDER GUIDE					REFLECTOR TYPE	MOUNTING	COLOR							
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					<div>Open Downlight EPD-6-601</div> 	<div>Wall Wash EPD-6-607</div> 	<div>Double Wall Wash EPD-6-677</div> 	<div>Corner Wall Wash EPD-6-627</div> 	<div>Flanged</div> 	ANODIZED FLANGED				
<div>Clear White CL-WH</div> 	<div>Clear Bronze CL-BZ</div> 	<div>Black White BK-WH</div> 	<div>Satin Haze SHZ-SHZ</div> 	<div>Wheat WT-WT</div> 										
<div>Clear Semi-Spec CL-SCH</div> 	<div>Satin Haze White SHZ-WH</div> 	<div>Black BK-BK</div> 	<div>Satin Haze Black SHZ-BK</div> 											
<div>Clear Black CL-BK</div> 	<div>White WH-WH</div> 	<div>Bronze BZ-BZ</div> 	<div>Wheat White WT-WH</div> 											



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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

Remodel type housing is designed for fast and easy installation in existing plaster or mechanical ceiling thickness from 1/2" to 1-3/4", with four remodel clips that are easily retractable for luminaire removal, if necessary. Torsion springs on EPCh side of the reflector hold snug to the ceiling, and allows for fast, easy installation into housing, and fast removal for easy access to the junction box from below the ceiling.

### Trim Design

Luminaire is designed for installation in sheetrock or T-Bar ceilings to achieve a flush trim detail

### Housing / Mounting

16-gauge steel, preassembled one-piece construction, and four preinstalled spring clips which secure the housing firmly into ceiling to accommodate different ceiling thicknesses from 1/2" to 1-3/8.

### Emergency Options/Controls

The test switch for the emergency battery can be installed on the side of the reflector (integral INTG-EMG option), or the test switch can be mounted remotely (EMG-LED option). Self Diagnostic emergency option available (EMG-SDT-LED-10W) Typical lumen output of the luminaire is up to 1000L with EMG-LED-10W or INTG-EMG-LED-10W option & 2000L with EMG-LED-20W or INTG-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

Dims 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 Artistt 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 id 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 PEQ0 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 forwardp hase dimming. Available in 120V only

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

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

**DIM10-0-OFF** - Program DIM10-to OFF withlinear dimming curve 0.1%

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

**XSR** - Xitanium SR Dimming

**DIM10-AUX** - 0-10V with Auxiliry power

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



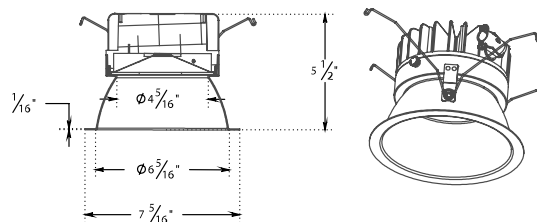
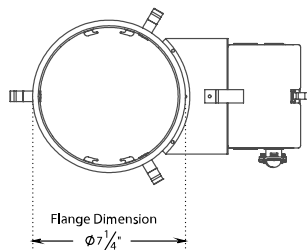
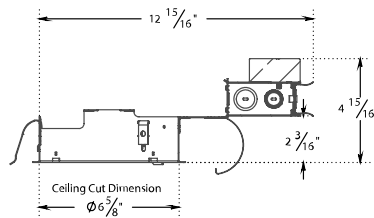
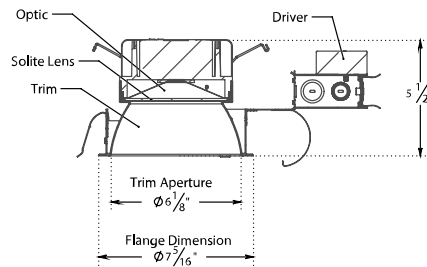
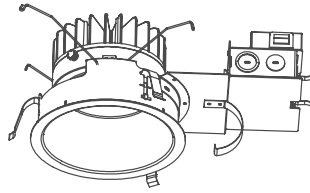
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### FLANGED



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