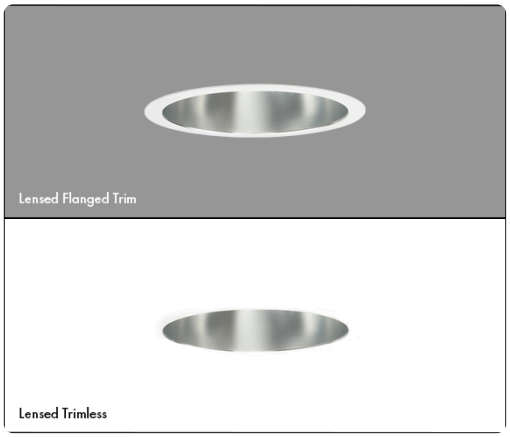
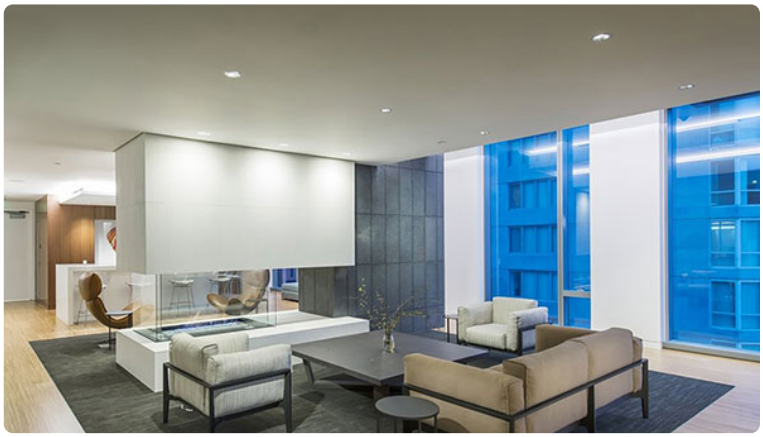
4"

Architectural LED Downlight - Remodel

EPD-R4

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.
- Availble with a multitude of dimming protocols and control offerings.

Nominal Lumens	Delivered Lumens	Wattage
900L	995	10
1200L	1341	14
1500L	1699	18
2000L	2144	24
3000L	3579	32
Based on 4000K, 90+ CRI with semi-specular chrome reflector. Actual wattage may vary +/-5%		

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Lumens	**High Performance**: 900, 1200, 1500, 2000, 3000 **Dims to Warm**: 900, 1200, 1500, 2000 **Xicato Artist**: 900, 1200, 1500 **Natural Spectrum**: 900, 1200, 1500, 2000
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), BK (Black), BZ (Bronze)
Flange Colors	TL (Trimless), 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)
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: **EPD-R4-900L-22K-90-NSPD-DIM10-120V**

Series	Lumens	CCT	CRI	Optics	Driver	Voltage	Emergency	Options
EPD-R4	**900L** **1200L** **1500L** **2000L** **3000L**	**22K** **27K** **30K** **35K** **40K** **50K**1	**90+** **98+**2	**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**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**5	- **EMG-LED-10W** **EMG-LED-20W** **INTG-EMG-LED-10W** **INTG-EMG-LED-20W** **EMG-LED-G2-10W-SDT**	- **USA**

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

PART NUMBER: **EPD-R4-WDM-30K-18K-900L-90-NSPD-DIMTR-120V**

Series	Technology	Lumens	CRI	Optics	Driver	Voltage	Emergency	Options
EPD-R4-WDM **(Dim to Warm)**	**30K-18K** **30K-22K** **27K-18K**	**900L** **1200L** **1500L** **2000L**	**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**1 **DIM10** **LUTH** **ELDO10.1** **ELDODALI.1** **ELDODMX.1**	**120V** **277V** **MVOLT** **347V** 2	- **EMG-LED-10W** **EMG-LED-20W** **INTG-EMG-LED-10W** **INTG-EMG-LED-20W** **EMG-LED-G2-10W-SDT**	- **USA**

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

4"

Architectural LED Downlight - Remodel

EPD-R4

Edison Series

PART NUMBER: **EPD-R4-XIA-900L-27K-98-NSPD-DIM10-120V**

Series	Lumens	CCT	CRI	Optics	Driver	Voltage	Emergency	Options
EPD-R4-XIA (Xicato Artist)	**900L** **1200L** **1500L**	**27K** **30K** **30K-VIB** **35K** **40K**	**98+**	**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** **LUTFTB4** **ELDO10.1-LIN** **ELDODMX.1** **ELDODALI.1** **DIMTR3** **BLE-CASAMBI** **POE** **DIM10-0-OFF** **ELDO10-LOG** **XSR** **DIM10-AUX**	**120V** **277V** **MVOLT** **347V3**	- **EMG-LED-10W** **EMG-LED-20W** **INTG-EMG-LED-10W** **INTG-EMG-LED-20W** **EMG-LED-G2-10W-SDT**	- **USA**

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

PART NUMBER: **EPD-R4-NSL-900L-27K-97-NSPD-DIM10-120V**

Series	Lumens	CCT	CRI	Optics	Driver	Voltage	Emergency	Options
EPD-R4-NSL (Natural Spectrum)	**900L** **1200L** **1500L** **2000L**	**27K** **30K** **35K** **40K** **50K** **65K**	**97+**	**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** **LUTFTB4** **ELDO10.1-LIN** **ELDODMX.1** **ELDODALI.1** **DIMTR3** **BLE-CASAMBI** **POE** **DIM10-0-OFF** **ELDO10-LOG** **XSR** **DIM10-AUX**	**120V** **277V** **MVOLT** **347V3**	- **EMG-LED-10W** **EMG-LED-20W** **INTG-EMG-LED-10W** **INTG-EMG-LED-20W** **EMG-LED-G2-10W-SDT**	- **USA**

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

4"

Architectural LED Downlight - Remodel

EPD-R4

Edison Series

ORDER GUIDE | REFLECTOR TYPE | MOUNTING | COLOR

REFLECTOR TYPE

Open Downlight
EPD-4-401

Wall Wash
EPD-4-407

Double Wall Wash
EPD-4-477

Corner Wall Wash
EPD-4-427

Open Downlight
EPD-4-TL-401

Wall Wash
EPD-4-TL-407

MOUNTING

Flanged

Trimless

COLOR

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

ANODIZED TRIMLESS

White
WH

Black
BK

Clear
CL

Satin Haze
SHZ

4"

Architectural LED Downlight - Remodel

EPD-R4

Edison 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
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 ½" 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 availble (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 apllication. 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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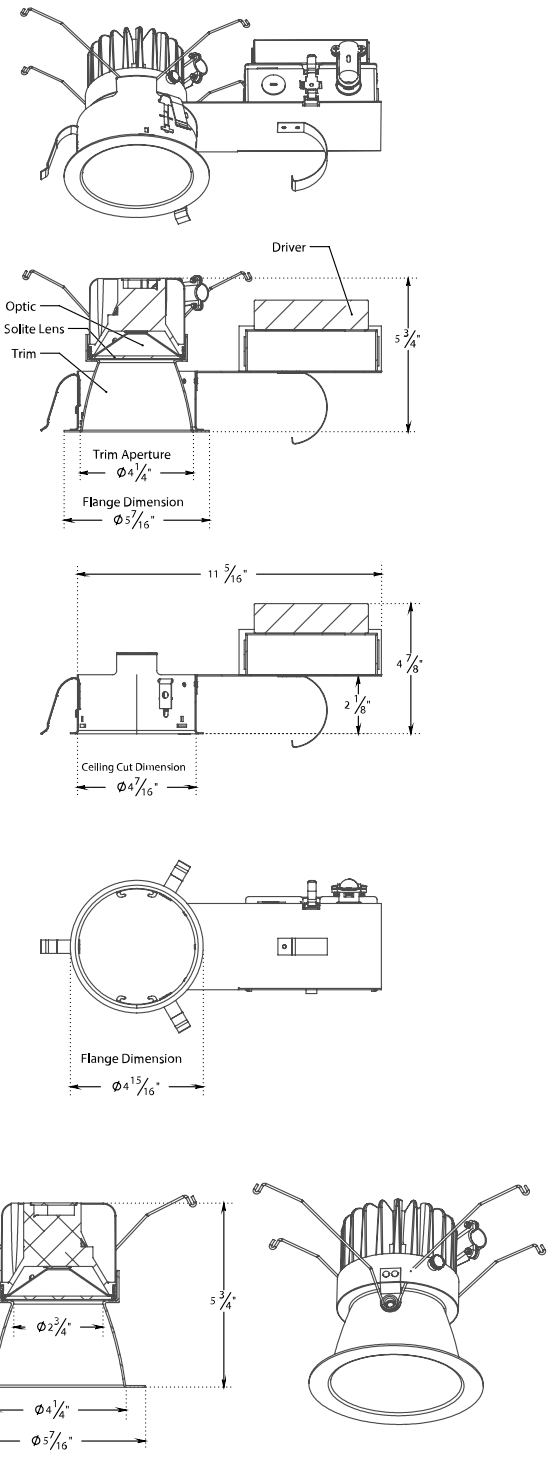
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