

4"

Architectural LED Downlight- Shallow

EPD-4-SHAL

Edison Series



Application

This cutting-edge, high-efficiency round architectural downlight with a shallow plenum design is versatile and well-suited for a range of applications. It excels in environments requiring minimal housing depth, making it an ideal choice for

- Commercial elevator lobbies
- Hospitality settings
- Upscale residential areas
- Retail establishments

Features

- Cutting-edge, high-efficiency round architectural downlight
- Shallow plenum design, perfect for environments with minimal housing depth
- Maximizes functionality and provides gentle, anti-glare lighting
- Offers various distribution options and lumen packages

| Nominal Lumens | Delivered Lumens | Wattage |
|----------------|------------------|---------|
| 900L | 1019 | 10 |
| 1200L | 1396 | 14 |
| 1500L | 1450 | 18 |
| 2000L | 2194 | 23 |

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

| | |
|------------------------------------|--|
| Lumens | High Performance: 900, 1200, 2000 Dims to Warm: 900, 1200, 1500 Xicato Artist: 900, 1200 Natural Spectrum: 900, 1200 |
| CCT & Dynamic Platforms | High Performance: 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 | SPD (Spot 15°), ND (Narrow 24°), MD (Medium 35°), MWD (Medium Wide 45°), WD (Wide 52°) |
| Trim Options | Downlight, Trim-less |
| Reflector Colors | W (White), RAL (Custom) |
| Flange Colors | WH (Self-Flanged White), RAL (Custom) |
| Dimming | DIM10, LUTH, LUTFTB, ELDO10.1, ELDODMX.1, ELDODALI.1, DIMTR, BLE-CASAMBI |
| Emergency | EMG-LED-10W[(Bodine BSL310)], EMG-LED-20W[(Bodine BSL20)], EMD-LED-G2-10W-SDT[Self Diagnostic (Consult Factory)] |
| 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-4-SHAL-900L-27K-90-SPD-DIM10-120V**

| Series | Lumens | CCT | CRI | Optics | Driver | Voltage | Emergency | Options |
|-------------------|---|--|--------------------------------------|---|--|---|---|--|
| EPD-4-SHAL | 900L 1200L 2000L | 27K 30K 35K 40K 50K¹ | 90+ 98+² | SPD Spot (15°) ND Narrow (24°) MD Medium (35°) MWD Medium Wide (45°) WD Wide (52°) | DIM10 LUTH LUTFTB⁴ ELDO10.1 ELDODMX.1 ELDODALI.1 DIMTR³ BLE-CASAMBI | 120V 277V MVOLT 347V⁵ | - EMG-LED-10W (Bodine BSL310) EMG-LED-20W (Bodine BSL20) EMD-LED-G2-10W-SDT Self Diagnostic (Consult Factory) | - CP⁶ 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 ⁶ CP Available for luminaires up to 1500L

PART NUMBER: **EPD-4-SHAL-WDM-30K-18K-900L-90-SPD-DIM10-120V**

| Series | Technology | Lumens | CRI | Optics | Driver | Voltage | Emergency | Options |
|---|--|---|------------|---|--|---|---|--|
| EPD-4-SHAL-WDM <i>(Dim to Warm)</i> | 30K-18K 30K-22K 27K-18K | 900L 1200L 1500L | 90+ | SPD Spot (15°) ND Narrow (24°) MD Medium (35°) MWD Medium Wide (45°) WD Wide (52°) | DIM10 LUTH LUTFTB² DIMTR¹ ELDO10.1 ELDODALI.1 ELDODMX.1 BLE-CASAMBI | 120V 277V MVOLT 347V⁴ | - EMG-LED-10W (Bodine BSL310) EMG-LED-20W (Bodine BSL20) EMD-LED-G2-10W-SDT Self Diagnostic (Consult Factory) | - CP³ USA |

¹ DIMTR available in 120V only ² LUTFTB Available for luminaires up to 1500L ³ CP Available for luminaires up to 1500L ⁴ 347V is available in only DIM10

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PART NUMBER: **EPD-4-SHAL-XIA-900L-27K-98-SPD-DIM10-120V**

| Series | Lumens | CCT | CRI | Optics | Driver | Voltage | Emergency | Options |
|---|-----------------------------|--|------------|--|--|---|---|--|
| EPD-4-SHAL-XIA <i>(Xicato Artist)</i> | 900L 1200L | 27K 30K 30K-VIB 35K 40K | 98+ | SPD Spot (15°) ND Narrow (24°) MD Medium (35°) MWD Medium Wide (45°) WD Wide (52°) | DIM10 LUTH LUTFTB² ELDO10.1 ELDODMX.1 ELDODALI.1 DIMTR¹ BLE-CASAMBI | 120V 277V MVOLT 347V³ | - EMG-LED-10W <small>(Bodine BSL310)</small> EMG-LED-20W <small>(Bodine BSL20)</small> EMD-LED-G2-10W-SDT <small>Self Diagnostic (Consult Factory)</small> | - CP⁴ USA |

1 DIMTR available in 120V only **2** LUTFTB Available for luminaires up to 1500L **3** 347V is available in only DIM10 **4** CP Available for luminaires up to 1500L

PART NUMBER: **EPD-4-SHAL-NSL-900L-27K-97-SPD-DIM10-120V**

| Series | Lumens | CCT | CRI | Optics | Driver | Voltage | Emergency | Options |
|--|-----------------------------|--|------------|--|--|---|---|--|
| EPD-4-SHAL-NSL <i>(Natural Spectrum)</i> | 900L 1200L | 27K 30K 35K 40K 50K 65K | 97+ | SPD Spot (15°) ND Narrow (24°) MD Medium (35°) MWD Medium Wide (45°) WD Wide (52°) | DIM10 LUTH LUTFTB² ELDO10.1 ELDODMX.1 ELDODALI.1 DIMTR¹ BLE-CASAMBI | 120V 277V MVOLT 347V³ | - EMG-LED-10W <small>(Bodine BSL310)</small> EMG-LED-20W <small>(Bodine BSL20)</small> EMD-LED-G2-10W-SDT <small>Self Diagnostic (Consult Factory)</small> | - CP⁴ USA |

1 DIMTR available in 120V only **2** LUTFTB Available for luminaires up to 1500L **3** 347V is available in only DIM10 **4** CP Available for luminaires up to 1500L









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ORDERING GUIDE:

| REFLECTOR TYPE | MOUNTING | FINISH |
|---|---|---|
|  EPD-4SQ-142 Open Downlight |  Round Flanged |  WH-WH White  RAL Custom Color |
|  EPD-4SQ-TL-142 Open Downlight |  Round Trimless |  WH White  BK Black |

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Modifications Available

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

Housing / Mounting

16-gauge steel, preassembled one-piece construction with integral 27" C-channel mounting brackets included. Mounting brackets may be adjusted up to 28" horizontally, and 2-3/4" vertically, and locking into place.

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.

Driver Electrical Information

The LED driver operates within the range of 50 to 60Hz at 120V/277V, with an additional option for 347V input. It generates less than 20% total harmonic distortion (THD) and maintains a power factor between 90% and 100%. The driver is equipped with thermal protection for enhanced safety. Both the junction box and driver can be accessed from both below and above the ceiling. The junction box is certified for through-branch circuit wiring.

Listings

- c-UL-us - Listed for Feed Through Wiring.
- c-UL-us - Listed for Damp Location.
- All LED luminaires are rated and tested to LM-79 and LM-80 standards by an independent laboratory. Energy Star, JA8 and California Title 24 compliant.

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.

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

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.



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