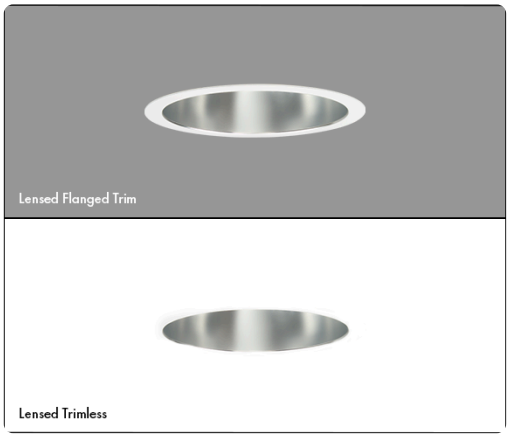
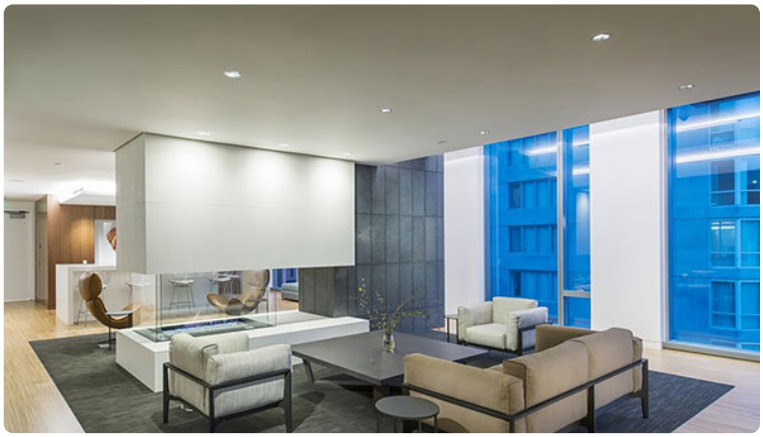
4"

Architectural LED Downlight - Retrofit

EPD-J4-RGBW

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	884	12
1200L	1120	16
Based on 4000K, 90+ CRI with semi-specular chrome reflector. Actual wattage may vary +/-5%		

Lumens	**Tunable White**: 900, 1200, 1500, 2000 **RGB + White**: 1100
CCT & Dynamic Platforms	**Tunable White**: 50K-27K, 65K-27K **RGB + White**: LENGN-65K-18K
CRI	90+
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	**Tunable White**: DIM10, DMX-512, DMX-RDM, DALI, BLE, LUTH **RGB + White**: ELDODMX.1
Emergency	**Tunable White**: EMG-LED-10W, EMG-LED-20W, INTG-EMG-LED-10W, INTG-EMG-LED-20W, EMG-LED-G2-10W-SDT **RGB + White**: PELI-S-20, PELI-S-100, PELI-S-250, PELI-S-400
Lifetime	L70 at 102,000 Hours
Photometric Tests	In Accordance with IES LM79-08, LM80 and TM-30, TM-21

UL CERTIFIED
SAFETY US-CA
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E481990

4"

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EPD-J4-RGBW

Edison Series

PART NUMBER: **EPD-J4-TWH-50K-27K-900L-90-NSPD-DIM10-120V**

Series	Technolog	Lumens	CRI	Optics	Driver	Voltage	Emergency	Option	Accessories
EPD-J4-TW (Tunable White)	**50K-27K** **65K-27K**	**900L** **1200** **1500** **2000**	**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°)	**DIM10**[1] **DMX-512** **DMX-RDM** **DALI** **BLE** **LUTH**	**120V** **277V** **MVOLT**	- **EMG-LED-10W** **EMG-LED-20W** **INTG-EMG-LED-10W** **INTG-EMG-LED-20W** **EMG-LED-G2-10W-S**	- **USA**	- **EC-WC-TWH-HW-MVOLT** Dual-channel touch screen wall controller with tunable white technology, supporting 0-10V dimming.

1 For DIM10 driver you must dedicate two control inputs, one for the Dimming Control and another for CCT Tuning **2** Lutron is the T-Series 2-Channel Tunable White EcoSystem

PART NUMBER: **EPD-J4-RGBW-LENGN-65K-18K-1100L-90-NSPD-ELDODMX.1-120V**

Series	Technology	Lumens	CRI	Optics	Driver	Voltage	Emergency	Options
EPD-J4-RGBW (RGB + White)	**LENGN-65K-18K**	**1100L**	**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°)	**ELDODMX.1**	**120V** **277V** **MVOLT**	- **PELI-S-20** **PELI-S-100** **PELI-S-250** **PELI-S-400**	- **USA**

Note: All extra optical accessories, aperture assemblies, and optics can be ordered separately. Check EPL Website for ordering nomenclature.

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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"

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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
Retrofit type housing is designed for easy installation into an existing incandescent, CFL, Metal-Halide or older generation LED downlight mounting frames, converting the luminaire into an energy efficient LED downlight and meeting more stringent energy codes. Flex is designed to attach into the existing junction box, with additional brackets available for up to a 2-1/2" ceiling thickness. A variety of customomizations are availbe per request.

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

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
RGB+White platform with tuning range of 6500K to 1650K , Saturation and Hue Gradients of color can be added in increments of 1% to fully saturated colors at 100% enabling gamut access to pastels and saturated colors (RGBW- 65K-16K). Control via, DMX-512/RDM.

Tunable White Option
Tunable White allows the luminaires to be color tuned via various controls. Create the perfect environment for the desired use of the space or mimic the natural color patterns throughout the day and stimulate circadian rhythm. Available in tunning range of 50K-27K (TWH-50K-27K), 65K-27K (TWH-65K-27K) , 65K-18K (TWH-LENGN-65K-18K).

RGB + White Option
Refine your space with Mood Master (RGBW & TW), which provides complete control over hue, color temperature, saturation, and dimming for design versatility. RGB + White technology has a white color tuning range from 6500K to 1650K. RGB color range derived from the primary colors red, green and blue is used to create infinite color options in the RGB palette, adding colors together in varying amounts to create new ones. RGB Tunable White technology enables users to adjust the color temperature, adding gradients of saturated colors. No longer restricted to white light LEDs, lighting designers and architects can manipulate a space with desired hues and shades, altering the color temperature of the room, creating the perfect environment. The use of RGB Tunable White technology in allows infinite possibilities for any application

Dimming & Driver Information
DIM10 - 0-10V dimming on either MVOLT 120, 277 or 347V. Dimmable down to 1% of initial lumens, standard
DMX-512 - EldoLED PowerDrive dimming down to 0.1%. Please see EldoLED website for wiring diagrams and a list of compatible DMX and DALI control systems.
DMX-RDM - EldoLED PowerDrive dimming down to 0.1%. Please see EldoLED website for wiring diagrams and a list of compatible DMX and DALI control systems.
DALI - EldoLED SoloDrive DALI-2. Dimming down to 0.1%
BLE - Bluetooth Casambi enabled controllable
LUTH - Lutron LDE1 Hi-Lume Eco System with Soft Fade to Black 1% dimming
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.

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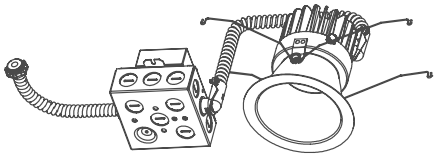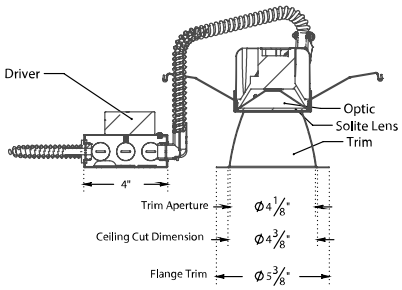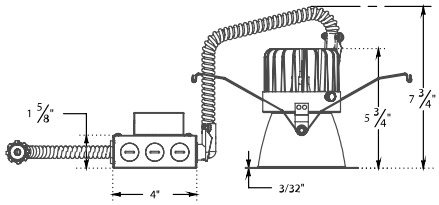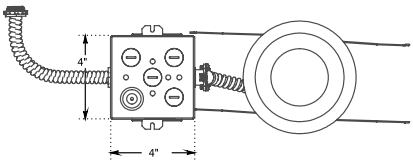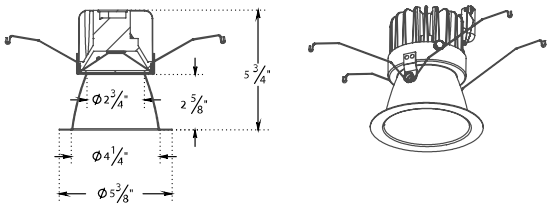
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