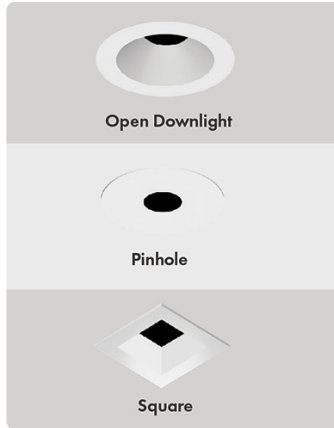


# 3"

## Architectural LED Downlight

# EPD-3-SHAL-IC-ADJ-TWH

## 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, 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	861	12
1200L	1127	16

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

<b>Lumens</b>	<b>Tunable White:</b> 900, 1200
<b>CCT &amp; Dynamic Platforms</b>	<b>Tunable White:</b> 50K-27K, 65K-27K
<b>CRI</b>	90+
<b>Color Quality</b>	2 Step MacAdam Ellipse
<b>Distributions</b>	SPD (Spot 15°), ND (Narrow 24°), MD (Medium 35°), MWD (Medium Wide 45°), WD (Wide 52°)
<b>Trim Options</b>	Downlight, Lensed Downlight, Adjustable, Lensed Wall Wash, Slot, Pinhole, Self Flanged, Trm-less, Square
<b>Reflector Colors</b>	CL (Semi-Specular Chrome), SHZ (Low Iridescent Satin Haze), W (White), BK (Black)
<b>Flange Colors</b>	WH (Self-Flanged White)
<b>Dimming</b>	<b>Tunable White:</b> DIM10, DMX-512, DMX-RDM, LUTH
<b>Emergency</b>	EMG-LED-10W[(Bodine BSL310)], EMG-LED-20W[(Bodine BSL20)]
<b>Lifetime</b>	L70 at 50,000 Hours
<b>Photometric Tests</b>	In Accordance with IES LM79-08, LM80 and TM-30, TM-21
<b>CCEA Option</b>	For CCEA approved EPD-3 Series, please contact Edison Price Lighting for further information.



# 3"

# EPD-3-SHAL-IC-ADJ-TWH

Architectural LED Downlight

Edison Series

PART NUMBER: **EPD-3-SHAL-IC-ADJ-TWH-50K-27K-900L-90-SPD-DIM10-120V**

Series	Technology	Lumen:	CRI	Optics	Driver	Voltage	Emergency	Option	Accessories
<b>EPD-3-SHAL-IC-ADJ-TV</b> <small>(Tunable White)</small>	<b>50K-27K</b> <b>65K-27K</b>	<b>900L</b> <b>1200L</b>	<b>90+</b>	<b>SPD</b> <small>Spot (15°)</small> <b>ND</b> <small>Narrow (24°)</small> <b>MD</b> <small>Medium (35°)</small> <b>MWD</b> <small>Medium Wide (45°)</small> <b>WD</b> <small>Wide (52°)</small>	<b>DIM10</b> <sup>1</sup> <b>DMX-512</b> <b>DMX-RDA</b> <b>LUTH</b>	<b>120V</b> <b>277V</b> <b>MVOL</b> <sup>2</sup>	- <b>EMG-LED-10V</b> <small>(Bodine BSL310)</small> <b>EMG-LED-20V</b> <small>(Bodine BSL20)</small>	- <b>CP</b> <b>USA</b>	- <b>EC-WC-TWH-HW-MVOLT</b> <small>Dual-channel touch screen wall controller with tunable white technology, supporting 0-10V dimming.</small>

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






















# 3"

Architectural LED Downlight

# EPD-3-SHAL-IC-ADJ-TWH

## Edison Series

**ORDERING GUIDE:**

REFLECTOR TYPE				MOUNTING	FINISH	
 <b>EPD-3-132</b> Open Downlight	 <b>EPD-3-138</b> Lensed Downlight <small>WET LOCATION</small>	 <b>EPD-3-133</b> Adjustable	 <b>EPD-3-137</b> Lensed Wall Wash <small>WET LOCATION</small>	 Round Flanged	 <b>WH-WH</b> White	 <b>BK-WH</b> Black
 <b>EPD-3-130</b> Slot	 <b>EPD-3-134</b> Pinhole Downlight				 <b>CL-WH</b> Clear Semi-Spec	 <b>SHZ-WH</b> Satin Haze
 <b>EPD-35Q-132</b> Open Downlight	 <b>EPD-35Q-138</b> Lensed Downlight <small>WET LOCATION</small>	 <b>EPD-35Q-133</b> Adjustable	 <b>EPD-35Q-137</b> Lensed Wall Wash <small>WET LOCATION</small>	 Square Flange	 <b>WH-WH</b> White	 <b>BK-WH</b> Black
 <b>EPD-35Q-134</b> Pinhole Downlight					 <b>CL-WH</b> Clear Semi-Spec	 <b>SHZ-WH</b> Satin Haze

**Note:** Consult factory for trimless options

**COLOR FILTERS:**



- EPD-3-LENS-BL
- EPD-3-LENS-GR
- EPD-3-LENS-PI
- EPD-3-LENS-PU
- EPD-3-LENS-DL
- EPD-3-LENS-YE
- EPD-3-LENS-AM
- EPD-3-LENS-OR
- EPD-3-LENS-RE

**DISTRUBUTION FILTERS:**



- EPD-3-LENS-FR
- EPD-3-LENS-SF
- EPD-3-LENS-CL
- EPD-3-LENS-UV
- EPD-3-LENS-SP
- EPD-3-LENS-HC
- EPD-3-LENS-LI
- EPD-3-LENS-SOL

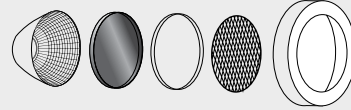
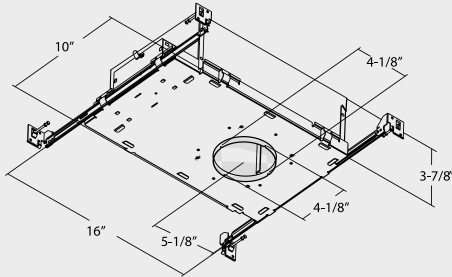
**NOTE:** Additional lens filters must only be used on open non-lensed downlight trim options

# 3"

Architectural LED Downlight

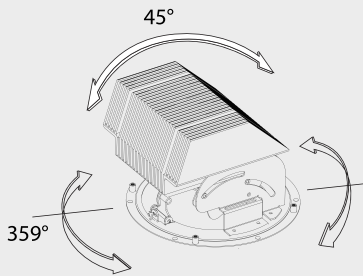
# EPD-3-SHAL-IC-ADJ-TWH

## Edison Series



### OPTICS

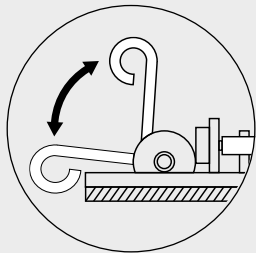
SPD (15°), ND (24°), MD (35°),  
MWD (45°), WD (52°)



### AIMING

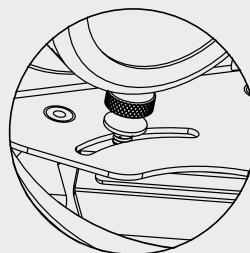
Our proprietary hot aiming system, which allows for the precise positioning of the lamp to achieve the optimal beam alignment before trim installation.

Our specially designed lamp holder ensures that the central beam of the light source emerges correctly from the luminaire, accommodating angles from 0° to 45°.



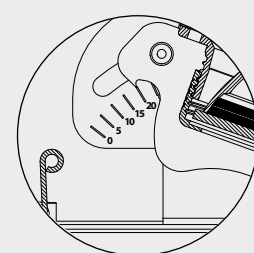
### 365° HORIZ. LOCKING

Seamlessly pivots along a 365-degree horizontal rotation within a sleek slotted groove track system.



### ADJUSTABILITY

Easy adjustment, without the requirement for tools, allows the luminaire to be positioned at angles of up to 45 degrees, ensuring optimal beam direction and maximum lumen output.



### DEGREES

Enables simple on-site adjustments of the luminaires to achieve precision, performance, and versatility. During installation, you can securely set the beam angle in 1-degree increments, with clear markings at every 5-degree interval.



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**Modifications Available**

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

**Adjustable**

Has full adjustable aiming capability, allowing the double gimbal mechanism to rotate 360°, pivot 90°, and lock into place at any desired position.

**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.

**Listings**

- Thermally protected, IC rated up to 1500 lumens, not suitable for use with spray foam insulation
- c-UL-us - Listed for Feed Through Wiring.
- cULus Certified to UL 1598 / C22.2 suitable for Damp/Dry locations, indoor use only
- City of Chicago environmental air (CCEA) marking for plenum applications
- EMI/RFI emissions per FCC 47CFR Part 15 Class B
- RoHS - Contains no mercury or lead and RoHS compliant
- Photometric testing completed in accordance with IES LM-79, LM80 and TM-30 standards
- State of California Title 24 high efficacy LED compliance under JA8
- ENERGY STAR® certified with select trims and housings

**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 tuning 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.

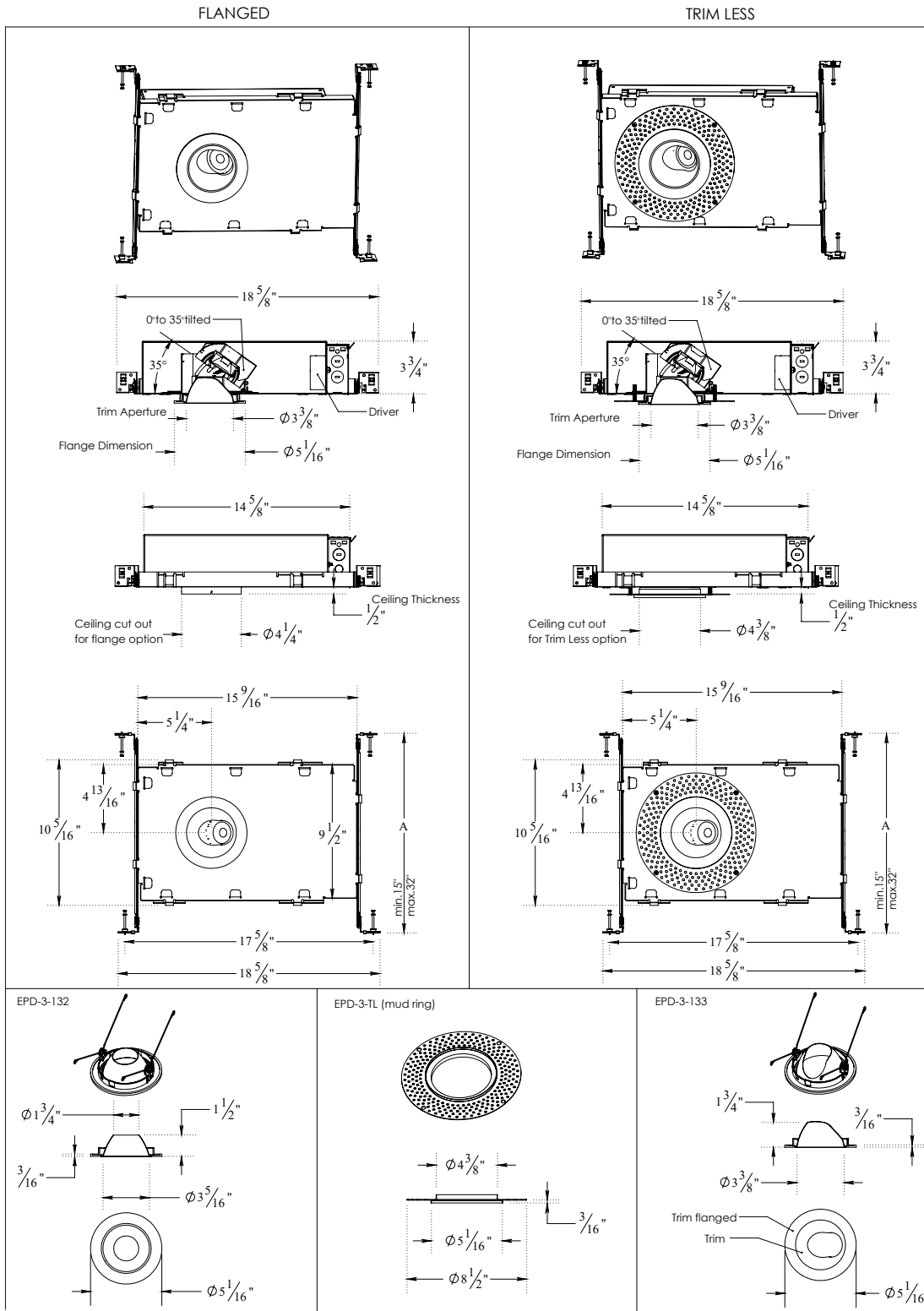
**LUTH** - Lutron LDE1 Hi-Lume Eco System with Soft Fade to Black 1% dimming

# 3"

## Architectural LED Downlight

# EPD-3-SHAL-IC-ADJ-TWH

## Edison Series



3"

Architectural LED Downlight

EPD-3-SHAL-IC-ADJ-TWH

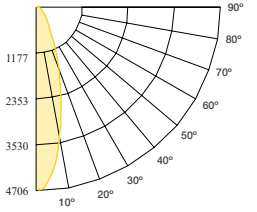
Edison Series

EPD-3-SHA L-IC-ADJ- 1200L-40K- 90-ND-DIM 10-MVO LT-EPD-3- 132

TESTNO:EPL121883

INPUTWATTS:16.2 LUMENS\$80 CRI90 EFFICAOx SPACINGCRITERIA0.54

Candle Power Distribution(Candelas)



Zonal Lumens Summary

Table with 4 columns: Zone, Lumens, %Lamp, %Fixt. Rows include 0-20, 0-30, 0-40, 0-60, 0-80, 0-90.

Luminance (Average candela/M)

Table with 4 columns: Angle in Degrees, Average 0°, Average 45°, Average 90°. Rows include 45, 55, 65, 75, 85.

Lumens Per Zone

Table with 2 columns: Zone, Lumens. Rows include 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60-70, 70-80, 80-90.

Candela Tabulation

Table with 2 columns: Zone, Candela. Rows include 0, 5, 15, 25, 35, 45, 55, 65, 75, 85, 90.

Coefficients of Utilization- Zonal Cavity Method Effective Floor Cavity Reflectance0.20

Large table with columns for RC, RW, and various reflectance percentages (70%, 80%, 90%) for different beam diameters (0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10).

Cone of Light table with columns for beam diameter (2, 4, 6, 8, 10, 12) and beam spread (1, 2, 3, 4, 5, 6).

BEAMDIAMMEASUREMENT 50% OF NADIR

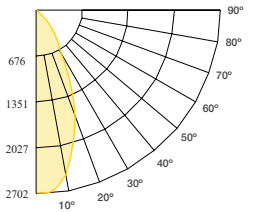
RC- Ceiling Cavity Reflectance RW - Wall Reflectance

EPD-3-SHA L-IC-ADJ- 1200L-40K- 90-MD-DIM 10-MVO LT-EPD-3- 132

TESTNO:EPL121877

INPUTWATTS:6.4 LUMENS\$17 CRI90 EFFICAOx SPACINGCRITERIA0.68

Candle Power Distribution(Candelas)



Zonal Lumens Summary

Table with 4 columns: Zone, Lumens, %Lamp, %Fixt. Rows include 0-20, 0-30, 0-40, 0-60, 0-80, 0-90.

Luminance (Average candela/M)

Table with 4 columns: Angle in Degrees, Average 0°, Average 45°, Average 90°. Rows include 45, 55, 65, 75, 85.

Lumens Per Zone

Table with 2 columns: Zone, Lumens. Rows include 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60-70, 70-80, 80-90.

Candela Tabulation

Table with 2 columns: Zone, Candela. Rows include 0, 5, 15, 25, 35, 45, 55, 65, 75, 85, 90.

Coefficients of Utilization- Zonal Cavity Method Effective Floor Cavity Reflectance0.20

Large table with columns for RC, RW, and various reflectance percentages (70%, 80%, 90%) for different beam diameters (0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10).

Cone of Light table with columns for beam diameter (2, 4, 6, 8, 10, 12) and beam spread (1.5, 2.9, 4.3, 5.8, 7.2, 8.7).

BEAMDIAMMEASUREMENT 50% OF NADIR

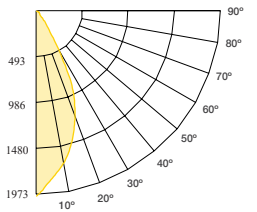
RC- Ceiling Cavity Reflectance RW - Wall Reflectance

EPD-3-SHA L-IC-ADJ- 1200L-40K- 90-WD-DIM 10-MVO LT-EPD-3- 132

TESTNO:EPL121880

INPUTWATTS:16.4 LUMENS\$92 CRI90 EFFICAOx SPACINGCRITERIA0.78

Candle Power Distribution(Candelas)



Zonal Lumens Summary

Table with 4 columns: Zone, Lumens, %Lamp, %Fixt. Rows include 0-20, 0-30, 0-40, 0-60, 0-80, 0-90.

Luminance (Average candela/M)

Table with 4 columns: Angle in Degrees, Average 0°, Average 45°, Average 90°. Rows include 45, 55, 65, 75, 85.

Lumens Per Zone

Table with 2 columns: Zone, Lumens. Rows include 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60-70, 70-80, 80-90.

Candela Tabulation

Table with 2 columns: Zone, Candela. Rows include 0, 5, 15, 25, 35, 45, 55, 65, 75, 85, 90.

Coefficients of Utilization- Zonal Cavity Method Effective Floor Cavity Reflectance0.20

Large table with columns for RC, RW, and various reflectance percentages (70%, 80%, 90%) for different beam diameters (0, 1, 2, 3, 4, 5, 6, 7, 8, 9).

Cone of Light table with columns for beam diameter (2, 4, 6, 8, 10, 12) and beam spread (1.9, 3.7, 5.5, 7.4, 9.2, 11.1).

BEAMDIAMMEASUREMENT 50% OF NADIR

RC- Ceiling Cavity Reflectance RW - Wall Reflectance



3"

Architectural LED Downlight

EPD-3-SHA-L-IC-ADJ-TWH

Edison Series

EPD-3-SHA L-IC-ADJ- 1200L-40K- 90-ND-DIM 10-MVO LT-EPD-3SQ- 132 TEST NO: EPL121884
INPUT WATTS:16.2 LUMENS:1368 CRI: 90 EFFICACY84 CCT:4000K SPACING CRITERIA: 0.54

Candle Power Distribution (Candelas)

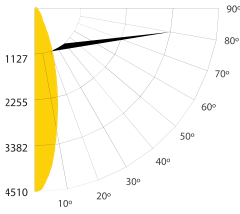


Table with 4 columns: Cone of Light, 2, 4, 6, 8, 10, 12. Values include beam diameter and spacing criteria.

BEAM DIA. MEASURED AT 50% OF NADIR F.C.

Zonal Lumens Summary

Table with 4 columns: Zone, Lumens, %Lamp, %Fixt. Rows for zones 0-20 to 0-90.

Luminance (Average candela/m²)

Table with 4 columns: Angle in Degrees, Average 0°, Average 45°, Average 90°. Rows for zones 0-20 to 0-90.

Lumens Per Zone

Table with 2 columns: Zone, Lumens. Rows for zones 0-10 to 80-90.

Candela Tabulation

Table with 2 columns: Zone, Candela. Rows for zones 0 to 80-90.

Coefficients of Utilization - Zonal Cavity Method Effective Floor Cavity Reflectance 0.20

Large table with columns for RC, RW, and various reflectance percentages (70%, 50%, 30%, 10%, 0%).

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

EPD-3-SHA L-IC-ADJ- 1200L-40K- 90-MD-DIM 10-MVO LT-EPD-3SQ- 132 TEST NO: EPL121879
INPUT WATTS:16.4 LUMENS:1176 CRI: 90 EFFICACY72 CCT:4000K SPACING CRITERIA: 0.68

Candle Power Distribution (Candelas)

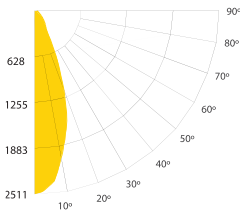


Table with 4 columns: Cone of Light, 2, 4, 6, 8, 10, 12. Values include beam diameter and spacing criteria.

BEAM DIA. MEASURED AT 50% OF NADIR F.C.

Zonal Lumens Summary

Table with 4 columns: Zone, Lumens, %Lamp, %Fixt. Rows for zones 0-20 to 0-90.

Luminance (Average candela/m²)

Table with 4 columns: Angle in Degrees, Average 0°, Average 45°, Average 90°. Rows for zones 0-20 to 0-90.

Lumens Per Zone

Table with 2 columns: Zone, Lumens. Rows for zones 0-10 to 80-90.

Candela Tabulation

Table with 2 columns: Zone, Candela. Rows for zones 0 to 80-90.

Coefficients of Utilization - Zonal Cavity Method Effective Floor Cavity Reflectance 0.20

Large table with columns for RC, RW, and various reflectance percentages (70%, 50%, 30%, 10%, 0%).

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

EPD-3-SHA L-IC-ADJ- 1200L-40K- 90-WD-DIM 10-MVO LT-EPD-3SQ- 132 TEST NO: EPL121881
INPUT WATTS:16.2 LUMENS:1119 CRI: 90 EFFICACY69 CCT:4000K SPACING CRITERIA: 0.80

Candle Power Distribution (Candelas)

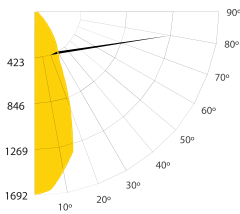


Table with 4 columns: Cone of Light, 2, 4, 6, 8, 10, 12. Values include beam diameter and spacing criteria.

BEAM DIA. MEASURED AT 50% OF NADIR F.C.

Zonal Lumens Summary

Table with 4 columns: Zone, Lumens, %Lamp, %Fixt. Rows for zones 0-20 to 0-90.

Luminance (Average candela/m²)

Table with 4 columns: Angle in Degrees, Average 0°, Average 45°, Average 90°. Rows for zones 0-20 to 0-90.

Lumens Per Zone

Table with 2 columns: Zone, Lumens. Rows for zones 0-10 to 80-90.

Candela Tabulation

Table with 2 columns: Zone, Candela. Rows for zones 0 to 80-90.

Coefficients of Utilization - Zonal Cavity Method Effective Floor Cavity Reflectance 0.20

Large table with columns for RC, RW, and various reflectance percentages (70%, 50%, 30%, 10%, 0%).

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

