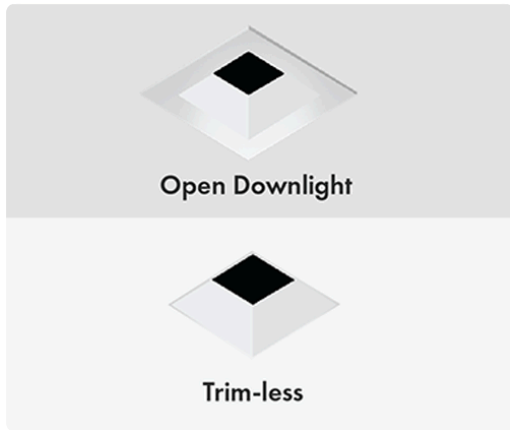


4"

EPD-4SQ-SHAL-IC

Architectural LED Downlight- Square, Shallow, IC Rated

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

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

Lumens	High Performance: 900, 1200 Dims to Warm: 900, 1200 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	WD (Wide 50°)
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



4"

EPD-4SQ-SHAL-IC

Architectural LED Downlight- Square, Shallow, IC Rated

Edison Series

PART NUMBER: **EPD-4SQ-SHAL-IC-900L-27K-90-WD-DIM10-120V**

Series	Lumens	CCT	CRI	Optics	Driver	Voltage	Emergency	Options
EPD-4SQ-SHAL-IC	900L 1200L	27K 30K 35K 40K 50K¹	90+ 98+²	WD Wide (50°)	DIM10 LUTH LUTFTB⁴ ELDO10.1 ELDODMX.1 ELDODALI.1 DIMTR³ BLE-CASAMBI	120V 277V MVOLT 347V⁵	- 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>	- 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-4SQ-SHAL-IC-WDM-30K-18K-900L-90-WD-DIM10-120V**

Series	Technology	Lumens	CRI	Optics	Driver	Voltage	Emergency	Options
EPD-4SQ-SHAL-IC-WDM <small>(Dim to Warm)</small>	30K-18K 30K-22K 27K-18K	900L 1200L	90+	WD Wide (50°)	DIM10 LUTH LUTFTB² DIMTR¹ ELDO10.1 ELDODALI.1 ELDODMX.1 BLE-CASAMBI	120V 277V MVOLT 347V⁴	- 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>	- 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

4"

EPD-4SQ-SHAL-IC

Architectural LED Downlight- Square, Shallow, IC Rated

Edison Series

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

Series	Lumens	CCT	CRI	Optics	Driver	Voltage	Emergency	Options
EPD-4SQ-SHAL-IC-XIA <i>(Xicato Artist)</i>	900L 1200L	27K 30K 30K-VIB 35K 40K	98+	WD Wide (50°)	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-4SQ-SHAL-IC-NSL-900L-27K-97-WD-DIM10-120V**

Series	Lumens	CCT	CRI	Optics	Driver	Voltage	Emergency	Options
EPD-4SQ-SHAL-IC-NSL <i>(Natural Spectrum)</i>	900L 1200L	27K 30K 35K 40K 50K 65K	97+	WD Wide (50°)	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









4"

EPD-4SQ-SHAL-IC

Architectural LED Downlight- Square, Shallow, IC Rated

Edison Series

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

4"

Architectural LED Downlight- Square, Shallow, IC Rated

EPD-4SQ-SHAL-IC

Edison Series

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.

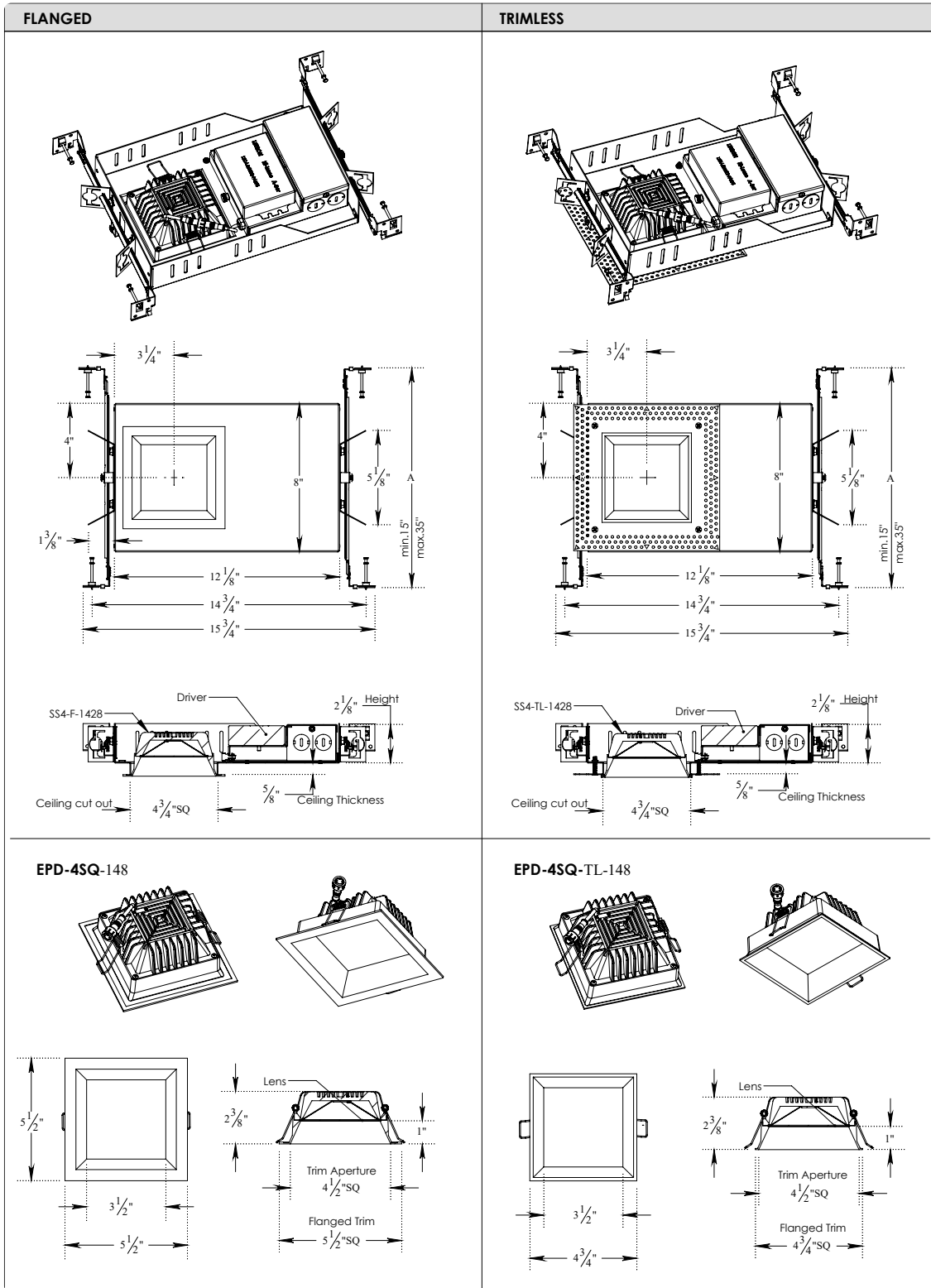


4"

EPD-4SQ-SHAL-IC

Architectural LED Downlight- Square, Shallow, IC Rated

Edison Series



4"

EPD-4SQ-SHAL-IC

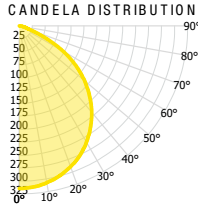
Architectural LED Downlight- Square, Shallow, IC Rated

Edison Series

EPD-4SQ-SHAL-IC-900L-40K-90-WD-DIM10-MVOLT

TEST NO.: EL053122155

INPUT WATTS: 7.5 LUMENS: 792 EFFICACY: 106 BEAM ANGLE: 106 SPACING CRITERIA: 1.23



CANDELA TABLE with columns for angle (0° to 90°) and values for beam diameter.

LUMINANCE (cd/sq.m) table with columns for angle (0.00°, 90.00°) and values for beam diameter.

LUMENS PER ZONE table with columns for zone (0°-10° to 80°-90°) and values for beam diameter.

ZONAL LUMEN SUMMARY table with columns for zone, lumens, and percentage of total luminaire.

CONE OF LIGHT

Cone of Light table with columns for mounting height, FC at beam center, beam dia. 0°-180°, and beam dia. 90°-270°.

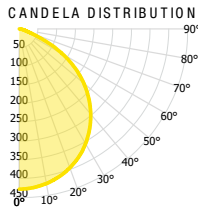
INDOOR COEFFICIENTS OF UTILIZATION

Indoor Coefficients of Utilization table with columns for room cavity ratio (0-10) and various utilization coefficients (0% to 100%).

EPD-4SQ-SHAL-IC-1200L-40K-90-WD-DIM10-MVOLT

TEST NO.: EL053122155

INPUT WATTS: 10.1 LUMENS: 1079 EFFICACY: 107 BEAM ANGLE: 106 SPACING CRITERIA: 1.23



CANDELA TABLE with columns for angle (0° to 90°) and values for beam diameter.

LUMINANCE (cd/sq.m) table with columns for angle (0.00°, 90.00°) and values for beam diameter.

LUMENS PER ZONE table with columns for zone (0°-10° to 80°-90°) and values for beam diameter.

ZONAL LUMEN SUMMARY table with columns for zone, lumens, and percentage of total luminaire.

CONE OF LIGHT

Cone of Light table with columns for mounting height, FC at beam center, beam dia. 0°-180°, and beam dia. 90°-270°.

INDOOR COEFFICIENTS OF UTILIZATION

Indoor Coefficients of Utilization table with columns for room cavity ratio (0-10) and various utilization coefficients (0% to 100%).



4"

EPD-4SQ-SHAL-IC

Architectural LED Downlight- Square, Shallow, IC Rated

Edison Series

EPD-4SQ-SHAL-IC-2000L-40K-90-WD-DIM10-MVOLT

TEST NO.: EL053122155

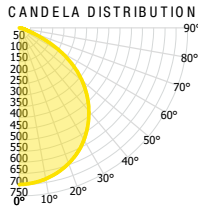
INPUT WATTS: 16.6

LUMENS: 1759

EFFICACY: 106

BEAM ANGLE: 106

SPACING CRITERIA: 1.23



CANDELA TABLE

	0°	90°
0°	699	699
10°	684	686
20°	644	648
30°	577	584
40°	483	493
50°	366	378
60°	217	236
70°	59	71
80°	17	20
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	59894	59894
45.00°	51804	53160
55.00°	44174	46475
65.00°	26452	30307
75.00°	9521	10663
85.00°	5877	8531

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	66
10° - 20°	190
20° - 30°	288
30° - 40°	344
40° - 50°	348
50° - 60°	292
60° - 70°	171
70° - 80°	48
80° - 90°	11

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	256	15%
0° - 30°	544	31%
0° - 40°	888	51%
0° - 60°	1528	87%
0° - 80°	1747	99%
0° - 90°	1758	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	19.4 fc	16.0 ft	16.0 ft
8.0 ft	10.9 fc	21.3 ft	21.4 ft
10.0 ft	7.0 fc	26.7 ft	26.7 ft
12.0 ft	4.9 fc	32.0 ft	32.1 ft
14.0 ft	3.6 fc	37.3 ft	37.4 ft
16.0 ft	2.7 fc	42.7 ft	42.7 ft
18.0 ft	2.2 fc	48.0 ft	48.1 ft
20.0 ft	1.7 fc	53.3 ft	53.4 ft

INDOOR COEFFICIENTS OF UTILIZATION

ρ _f	80%				70%				20%				50%				30%				10%				0%			
	ρ _w	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	100	100	100	100	100	100	100	0%
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87	87	87	87	87	87	87	87	87	87	0%
2	101	94	88	82	99	92	86	81	88	84	80	85	81	78	82	79	76	74	74	74	74	74	74	74	74	74	74	0%
3	93	83	76	70	90	81	75	69	79	73	68	76	71	67	73	69	65	63	63	63	63	63	63	63	63	63	63	0%
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55	55	55	55	55	55	55	55	55	55	0%
5	79	66	58	52	76	65	57	51	63	56	51	61	55	50	59	54	50	48	48	48	48	48	48	48	48	48	48	0%
6	73	60	51	45	71	59	51	45	57	50	45	56	49	44	54	48	44	42	42	42	42	42	42	42	42	42	42	0%
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	44	39	37	37	37	37	37	37	37	37	37	37	0%
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33	33	33	33	33	33	33	33	33	33	0%
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30	30	30	30	30	30	30	30	30	30	0%
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27	27	27	27	27	27	27	27	27	27	0%

