

6 inch Retrofit Downlight – 13 Watt

INDOOR
Downlight

Features and Benefits

- 13 Watt Low Power and High Performance
- Integral, high-efficiency driver and power supply.
- Dimming: Dimmable to 5%-100% with most incandescent dimmers
- (Suggest dimmer manufacturers: Lutron & Leviton)
- LM79 Qualified
- Rated Lifetime: 50,000 hours
- 5 Year Warranty*
- UV, IR and Mercury-free
- Suitable for Damp Location



Dimmable

Reduces Energy & Cost

No Lead or Mercury

Part Number:	Wattage:	Lumens:	Dimmable:	CRI:	Beam Angle:	Color Temperature(CCT):	Voltage:
TL-DD-13D180-27	13	960	Yes	≥80	120°	2700K	120 VAC
TL-DD-13D180-30	13	990	Yes	≥80	120°	3000K	120 VAC
TL-DD-13D180-40	13	1020	Yes	≥80	120°	4000K	120 VAC
TL-DD-13D180-50	13	1020	Yes	≥80	120°	5000K	120 VAC

Power Factor:	Operating Frequency:	Operating Temperature:	Life Hours:	Dimensions (in inches):	Indoor/Outdoor:	Certified Installer Required:
> 0.9	60 Hz	-20 °C to 40 °C	50,000	6" x 3"	Indoor	Yes

Housing Compatibility

This LED Retrofit luminaire has E26 Edison screwbase and is UL listed for installation, compatible to recessed housing series:

HALO: H7ICT, H7ICAT, H7ICATNB, H7RICAT, H7RICT, H7UICAT, H7UICT, H75ORI

ALL-PRO: EI700, EI700AT, EI700ATNB, EI700NB, EI700RAT, EI700U, EI700UAT, EI2700, EI2700AT, EI500AT, EI500RATCAT, H750ICAT, H27ICAT, H27ICT, H27RICAT, H27ICT, H27RICAT, H51CAT, HRICAT, H750TCP

Juno: IC22, IC22R, IC22W, IC22S, IC23, IC23W, IC21, IC21R, IC25, IC25W, IC25S

Capri: CR1, PR1, QL1, R9ASIC

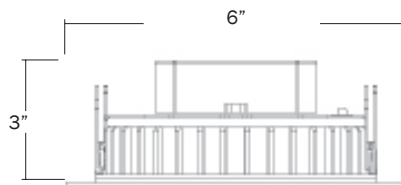
Lithonia: L7X, L7XP

Thomas: Ps1

Commercial Electric: H3(C7ICA)

Applications

- Healthcare
- Hospitality
- Office
- Property Management
- Residential
- Retail



Certifications:
RoHS, FCC Listed

*For warranty terms please visit our website Trans-Lux.com



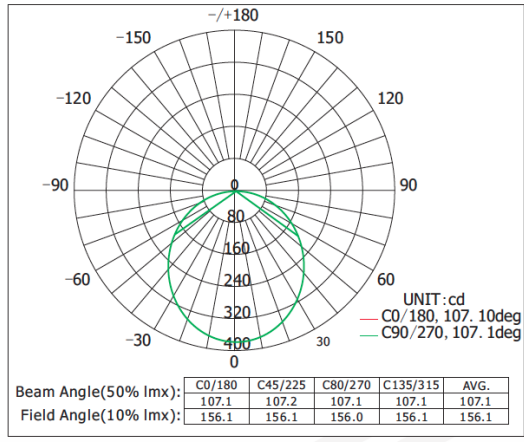
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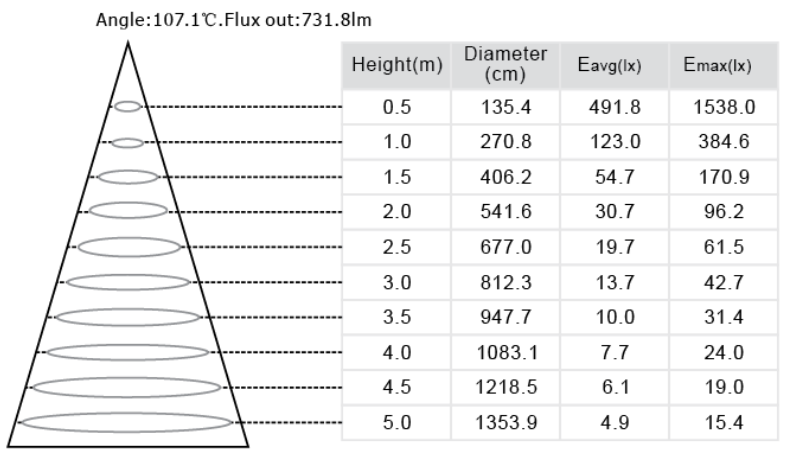
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Photometry

Luminous Intensity Distribution



Average Illuminance Curve



LUMINOUS INTENSITY(CD) DISTRIBUTION DATA

Y	C	0°C	22.5°C	45°C	67.5°C	90°C
0.0°C		384	384	384	384	384
5.0°C		382	382	382	382	382
10.0°C		376	377	376	377	376
15.0°C		366	367	367	367	366
20.0°C		353	353	353	353	353
25.0°C		336	337	336	337	336
30.0°C		316	317	317	317	316
35.0°C		294	295	294	295	294
40.0°C		269	270	270	270	269
45.0°C		243	244	244	244	243
50.0°C		215	217	216	216	215
55.0°C		186	187	186	186	185
60.0°C		155	156	156	156	154
65.0°C		123	124	124	123	122
70.0°C		91	92	92	91	90
75.0°C		60	61	60	59	58
80.0°C		30	30	29	29	27
85.5°C		6	6	6	5	5
90.0°C		0	0	0	0	0

ZONAL LUMEN DENSITY MEASUREMENT

Deg	Flux(lm)	%	Deg	Flux(lm)	%
0-5	9.2	0.90	0-5	9.2	0.90
5-10	27.1	2.68	0-10	36.3	3.58
10-15	44.0	4.33	0-15	80.2	7.91
15-20	59.1	5.83	0-20	139.3	13.74
20-25	72.0	7.10	0-25	211.3	20.84
25-30	82.2	8.10	0-30	293.5	28.94
30-35	89.4	8.81	0-35	382.9	37.75
35-40	93.4	9.21	0-40	476.2	46.96
40-45	94.2	9.29	0-45	570.4	56.25
45-50	91.8	9.05	0-50	662.2	65.30
50-55	86.2	8.05	0-55	748.4	73.80
55-60	77.6	7.65	0-60	826.0	81.45
60-65	66.3	6.53	0-65	892.3	87.98
65-70	52.8	5.21	0-70	945.1	93.19
70-75	37.9	3.73	0-75	982.9	96.92
75-80	22.3	2.21	0-80	1005.3	99.13
80-85	8.2	0.80	0-85	1013.4	99.93
85-90	0.7	0.07	0-90	1014.1	100.00

Application Reference

Place:	Spacing:	Lumens:	Wattage:	LPW:	W/FT ² :	Eav FC:
Open Space	4x4	980	13	75	0.52	17
	6x6				0.35	11
	8x8				0.26	8.41
	8x8				0.22	6.94
Corridor	4' on Center	980	13	75	0.78	55
	6' on Center				0.36	25
	8' on Center				0.20	14
	10' on Center				0.13	9.19

Open Space: 50' x 40' x 10', Ceiling: 10', 80/50/20 Reflectance, 2.5' workplane
 Corridor, 6' wide x 100' long, Ceiling: 10', 80/50/20 Reflectance, light levels on the ground.



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