



Small in size yet powerful in performance, this family of 2" aperture recessed downlights combines a sleek, compact design with exceptional versatility. Available in a wide range of optics, trim styles, beam spreads, housings, configurations, and mounting options, the collection provides the flexibility needed to meet the demands of virtually any application. Multiple customizable options allow designers and lighting professionals to create the ideal solution for a variety of architectural and interior environments. Designed to deliver precise, high-quality illumination while maintaining a clean, discreet appearance, these downlights provide outstanding performance, flexibility, and visual comfort for both residential and commercial projects.

Feature

- Architectural Friendly: Modular design, various unique combinations.
- Adjustable Ring: 360° rotation and a maximum 30° tilt angle.
- 2 in 1 Dimming: 0-10V (Dim to 1%) and TRIAC in one package.
- COB LED: 4 Fixed CCT 90+ CRI or Dim to Warm 95+ CRI options.
- Beam Angle: 30° and 50°. optics options.
- Trimmed or trimless options.
- New construction and remodel options for any site condition

Performance

Wattage Selectable	30°/3000K		50°/3000K		Dim to Warm
	Efficacy	Lumens	Efficacy	Lumens	3000K-2000K 95+ CRI
5W	67lm/W	335lm	73lm/W	365lm	Up to 13W 840lm 70lm/W
8W	68lm/W	544lm	74lm/W	592lm	
10W	67lm/W	670lm	74lm/W	740lm	
13W	64lm/W	832lm	70lm/W	910lm	
16W	61lm/W	976lm	67lm/W	1072lm	

Dimensions and values shown are nominal. LuminosoLED continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.



DLO 2 Mini Downlight

2 inch Mini Downlight Break down.

Engine

Advanced thermal management gives you optimal performance.

Color temperature options, 27K, 30K, 35K, and 40K. Dim to Warm option, 30K to 20K (13W Max). 90+ CRI Standard / 95+ CRI (Dim to Warm ONLY)

Optics

Beam options, 30° and 50°

Adjustable Holder

Tilt angle and 360° horizontal adjustment.

Trim

Round trims available in White, Black finishes, in optional spackle flange for trimless look.

Trim Reflector

Trim reflector available in White, Black, Gold, and Chrome.

Accessories

Honeycomb for glare, and Glass lens for Wet Rated applications.



Quicksnap Reflectors



360° rotation & 30° maximum tilt



Electrical

LED Driver	Powered by a high-efficiency Class 2 LED driver, this luminaire features standard 0–10V dimming with continuous dimming down to 1%, or Triac dimming compatible with a wide range of controls. Built-in thermal overload protection automatically shuts down the luminaire when operating temperatures exceed designed limits, helping protect the system and ensure reliable performance.
THD	<20%
Power Factor	>0.9
Input Voltage	Standard electronic drivers are UL recognized and available for 110-277VAC.
Operating Temperature	-20°C to +40°C (-4° to +104°F)

Listings

- UL listed and Damp Rated
- 5 years limited warranty

NOTE:

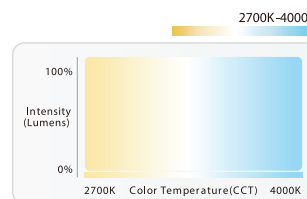
- To ensure optimal performance ambient temperatures should not exceed 104°F during regular operation.
- For indoor use only

LED System

COB	COB LED with a 90+ CRI is standard. 95+ CRI for Dim to Warm option. They have been tested in accordance with IESNA LM-80 and the results have shown L80 lumen maintenance greater than 50,000 hours.
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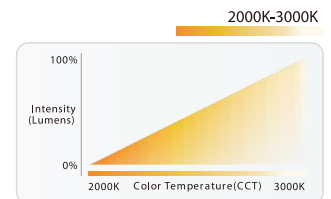
Color Temperature

- 2700K, 3000K, 3500K, 4000K
- 90+ CRI



Dim to Warm

- 2000K - 3000K
- 95+ CRI



Compatible Dimmers

0-10V Dimming (Dim to 1%)

LEVITON DD710	LUTRON NTSTV-DV	LEGRAND RH4FBL3	LUTRON DVSTV	LEVITON IP710
✓	✓	✓	✓	✓

TRIAC Dimming

LUTRON DV600P	LUTRON DVCL-153P	LEVITON 6683	LUTRON DV603P	LEVITON 6672	LUTRON S-603P	LUTRON LG-600P
✓	✓	✓	✓	✓	✓	✓

LUTRON MSCL-DP153M	LUTRON TGCL-153DH	LUTRON SCL-153P	LUTRON CTCL-153P	LUTRON CT-603PG
✓	✓	✓	✓	✓

DLO 2 Mini Downlight

2 inch Mini Downlight with Selectable Wattage

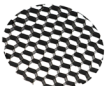
Project:	Date
Type:	
Model:	

Ordering Chart

Example: DLO-2-WS16-Y-30K-30-RM-01-AR-TB-RB

DLO	2	WS16	Y				01	AR
Series	Size	Wattage Selectable	Voltage	CCT	Beam Options	Mounting	0-10V/TRIAC Dimming Standard	Adjustable Ring
DLO Downlight Mini	2 inch	WS16 Wattage Selectable (16W / 13W / 10W / 8W / 5W)	Y 120-277V	27K 2700K 30K 3000K 35K 3500K 40K 4000K DW Dim to Warm. 30K-20K Bridgelux COB (13W Max)	30 30° 50 50°	RM Remodel (Non-IC) NF* New Construction Frame Kit NIC* New Construction Housing Insulation Kit IC-Rated	01 Dim to 1% Or TRIAC Dimming (Dim to 1%).	AR Tilt Angle & 360° Horizontal Adjustment 

*Crawl space required to access Housing/Driver.

Flange Type	Reflectors	Lens Accessory	Honeycomb Accessory	Emergency Battery Backup
TW Trimmed White TB Trimmed Black TL* Trimless	RW  White RB  Black RG  Gold RC  Chrome	Leave Blank No Lens LN Lens for damp area 	Leave Blank No Honeycomb HGL Honeycomb Anti-Glare Lens 	Leave Blank No Battery Backup EB Emergency Battery Backup 

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*Crawl space required to access Housing/Driver.

DLO 2 Mini Downlight

2 inch Mini Downlight with Selectable Wattage

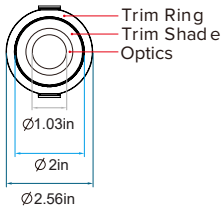
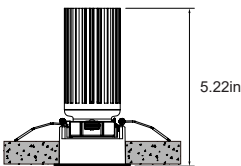
Configuration

DLO-2: 2 inch Round Trim



Opening Size Reference: Ø2.25in

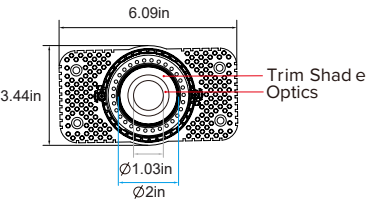
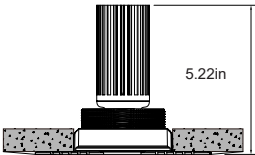
Dimensions



DLO-2: 2 inch Round Trimless

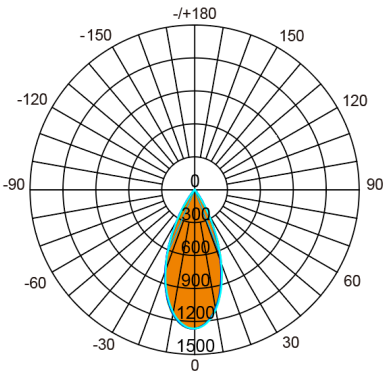


Opening Size Reference: Ø3.5in
*Crawl space required to access Housing/Driver.



PHOTOMETRICS

2" / 10W / 3000K / 50°



Lumens: 711.83 Lm
Watts: 10 W
LPW: 74.02 Lm/W
CCT: 3000K

UNIT: cd
— C0/180, 44.7°
— C30/210, 44.6°
— C60/240, 44.7°
— C90/270, 44.9°

Zonal Flux Diagram

Y	C0	C45	C90	C135	C180
10	1103	1098	1108	1136	1149
20	707.5	695.1	709.7	754.8	784.6
30	235.5	250.8	252.5	286.5	288.0
40	28.5	34.08	34.15	43.27	43.93
50	4.399	4.663	4.221	4.627	4.103
60	3.207	3.187	3.495	3.034	3.023
70	1.180	1.284	1.499	1.207	1.123
80	0.1182	0.1257	0.3123	0.0988	0.0806
90	0	0	0	0	0
100	0	0.0317	0	0.0137	0
110	0.2477	0.2844	0.2788	0.2483	0.0813
120	0.8568	0.9700	0.9235	0.8664	0.3527
130	1.926	2.035	2.005	1.900	1.112
140	3.240	3.329	3.313	3.208	2.277
150	4.387	4.428	4.405	4.366	3.568
160	4.907	4.838	4.888	4.897	4.398
170	4.840	4.838	4.906	4.893	4.695
180	4.930	4.919	4.942	4.988	4.903
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

Y	φ total
0-10	113.9
10-20	377.2
20-30	605.2
30-40	683.9
40-50	696.3
50-60	699.7
60-70	702.0
70-80	702.8
80-90	702.9
90-100	702.9
100-110	703.0
110-120	703.3
120-130	704.2
130-140	705.9
140-150	708.0
150-160	710.0
160-170	711.4
170-180	711.8
UNIT: lm	

Luminance cd/(m2)

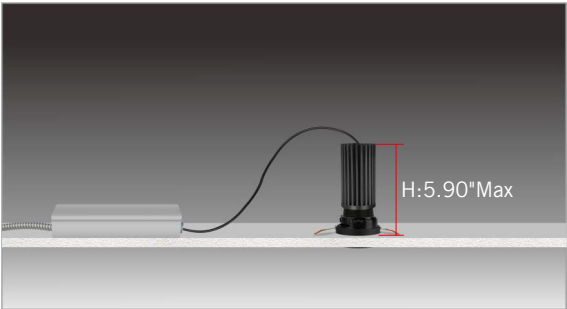
G(DEG)	C0/180	C90/270
85	155	312
80	340	899
75	1118	1658
70	1723	2191
65	2260	2944
60	3204	3496
55	3327	3276
50	3418	3284
45	5071	6881

DLO 2 Mini Downlight

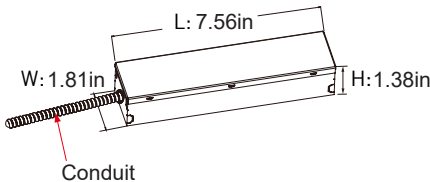


2 inch Mini Downlight with Selectable Wattage

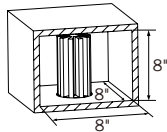
MOUNTING
Remodel (NON-IC Rated)



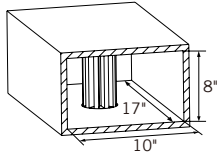
Remote Driver in box
Can be accessed from below.



Mounting space required
Up to 10W: Min 8x8x8 inch



Up to 16W: Min 17x10x8 inch

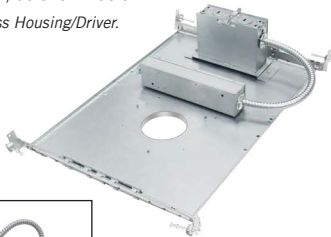
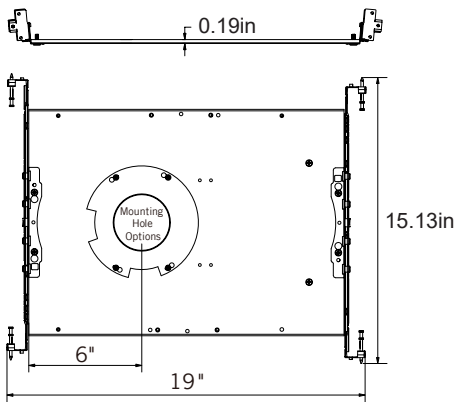


New Construction-Frame Kit (NON-IC Rated)*

A rough-in frame option is available for new construction applications and a variety of ceiling types. The LED driver box securely attaches to the frame kit with an integrated magnetic mounting system, as shown below.

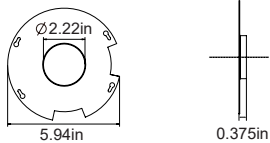
**Crawl space required to access Housing/Driver.*

Mounting Space Required
Frame Kit (NON-IC)
Min: 14x19x8in
Max: 24x19x8in

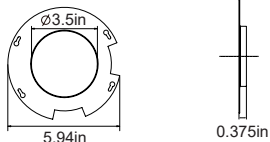


Mounting Options

2in Round Trim



2in Round Trimless



New Construction-Frame Kit (IC Rated)*

An IC-rated housing frame kit permits the 2-inch LED downlight to be installed in direct contact with insulation, allowing for installation in insulated ceiling applications.

**Crawl space required to access Housing/Driver.*

Mounting Space Required
Frame Kit (IC-Rated)
Min: 14x19x7.3in
Max: 24x19x7.3in

