

LMD2

Project Name:	
Type:	



APPLICATION
2" recessed LED downlight combining high performance with a wide range of optics, trim configurations, beam spreads, housings, and mounting options for flexible design. Ideal for indoor low ceilings in retail, hospitality, and commercial installations.

- FEATURES:**
- Aluminum housing as heat sink.
 - Adjustable ring: 360° rotation and a maximum 30° tilt angle.
 - Architectural friendly, up to 50,000 unique combinations.
 - New constructions and remodel driver option.

- INSTALLATION:**
- Twist & lock feature for easy trim installation.
 - Durable tension clips allow fast and easy flush installation.

- LED:**
- High efficiency COB LED.
 - Up to 1072 delivered lumens.
 - Field selectable wattage ⁴
 - Fixed CCT: CRI 90+, Dim to warm: CRI 95+
 - Color Temperature:
Fixed: 2700/3000/3500/4000K
Dim to warm: from 3000-2000K

- TRIM:**
- Available in white and black finish.
 - Trimmed or trimless with multiple shade options.

- LENS:**
- Reflector design provides high transmittance, light control, and anti-glare performance.
 - Standard size designs make them widely practical.
 - Available in 30° and 50° beam angles; beam spreads are interchangeable and easily swapped in the field without tools.

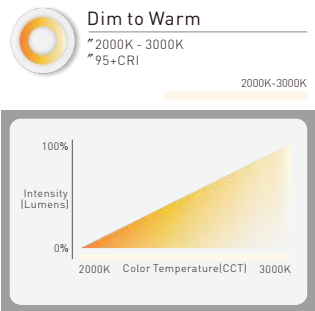
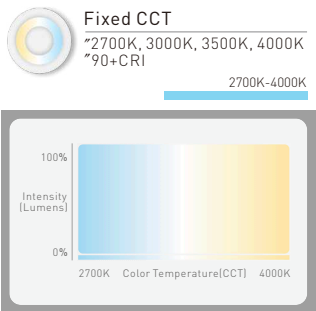
- ELECTRICAL:**
- 2-in-1 dimming: 0-10V dimming (continuous dim to 1%) and Triac.
 - 120-277Vac / 120Vac Triac (std.)
 - Power Factor > 0.9, THD <20%
 - Operating Temperature Range: -4°F (-20°C) ~ 104°F (40°C).
 - Thermal overload protection shuts down the luminaire when temperature exceeds designed operating conditions.

- LISTING:**
- UL certified for indoor damp location.
 - 5 years limited warranty.

CONFIGURATIONS

Model	LED Watts	Round, 30° beam @ 3000K		Square, 50° beam @ 3000K		Dim to Warm 30K-20K @ 95+ CRI
		Efficacy	Delivered Lumens	Efficacy	Delivered Lumens	
LMD2	5W	67 lm/W	335 lm	73 lm/W	365 lm	13W max Up to 840 lm 70 lm/W
	8W	68 lm/W	544 lm	74 lm/W	592 lm	
	10W	67 lm/W	670 lm	74 lm/W	740 lm	
	13W	64 lm/W	832 lm	70 lm/W	910 lm	
	16W	61 lm/W	976 lm	67 lm/W	1072 lm	

The lumens are based on 3000K, 90+ CRI, 30° beam angle, white round trim with tilt angle and 360° horizontal adjustable holder. Lumen output may vary ±5% based on different CCT, beam angle, adjustable holder, and shade.



LMD2

ORDERING INFORMATION

EXAMPLE: LMD2-R-TWH-6S-DM-35K-B15-HA-SWH-RM

MODEL	SIZE & SHAPE		TRIM & FLANGE ¹		LED		DIMMING	COLOR TEMP.		CRI	
LMD2	R	2" Round	TWH TBK TL	Trimmed, with White flange Trimmed, with Black flange Trimless	5S	Selectable 5/8/10/13/ 16W LED	DM 0-10V (dim to 1%) or Triac dim (std.)	-27K -30K -35K -40K -DW	2700K 3000K 3500K 4000K Dim to Warm (30K-20K, 13Wmax)	(Blank)	CRI 90+ for fixed CCT CRI 95+ for Dim to Warm only

BEAM OPTIONS		ADJUSTABLE HOLDER		TRIM SHADE ^{1,2}		
B30 B50	Beam 30° Beam 50°	TA	Tilt Angle and 360° Horizontal Adjustment 	R Round	WH BK GO CH	White Black Gold Chrome

MOUNTING		OPTIC ³				OPTIONS	
RM NF NH	Remodel New Construction Frame Kit (Non-IC) New Construction Housing Insulation Kit (IC)	(Blank) HB WR	None (std.) Honeycomb Waterproof Plate (Wet-Rated)	[Decorative Kit] DYB Yellow trim with black shield DYW Yellow trim with white shield DGB Green trim with black shield DGW Green trim with white shield DCB Clear trim with black shield DCW Clear trim with white shield DBB Blue trim with black shield DBW Blue trim with white shield DRB Red trim with black shield DRW Red trim with white shield		REM8	8W remote EM (field install)

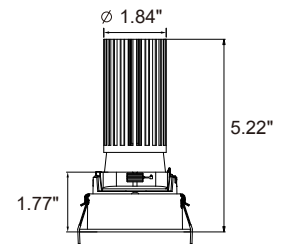
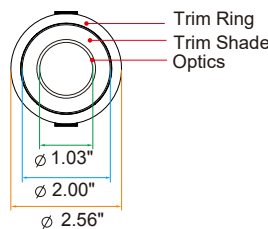
NOTES:

1. See TRIM FINISH & SHAPE section for more information.
2. See TRIM SHADE section for more information.
3. See OPTIC section for more information.
4. Field selectable dip switch is located on the LED driver.

DIMENSIONS

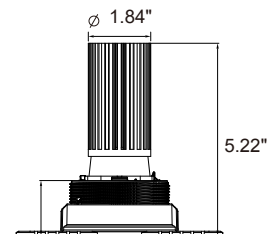
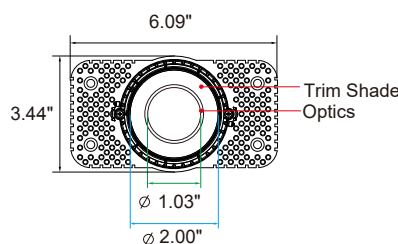
LMD2-R-TWH/BK

2" Round Trim



LMD2-R-TL

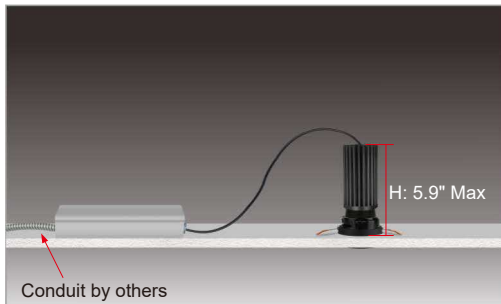
2" Round Trimless



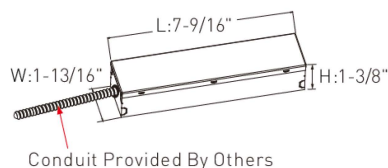
LMD2

MOUNTING

RM Remodel (remote box LED driver)

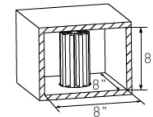


Remote Driver Box 1 Downlight per Remote Driver

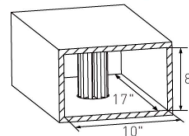


Mounting Space Required

Up to 10W: Min 8"×8"×8"



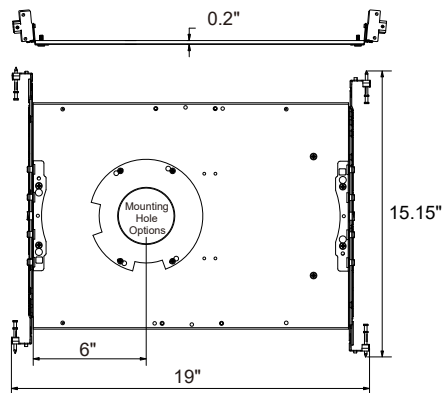
Up to 16W: Min 17"×10"×8"



NF New Construction Frame Kit (Non-IC)

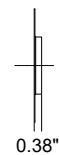
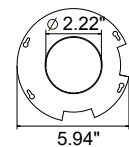


Mounting Space Required
Frame Kit (NON-IC)
Min 14"× 19"×8"
Max 24"×19"×8"

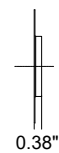
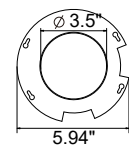


Mounting Hole Options

2" Round Trim



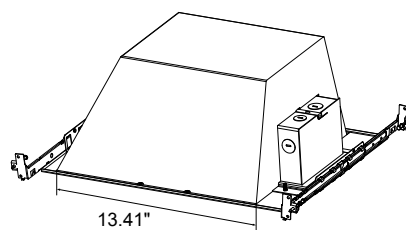
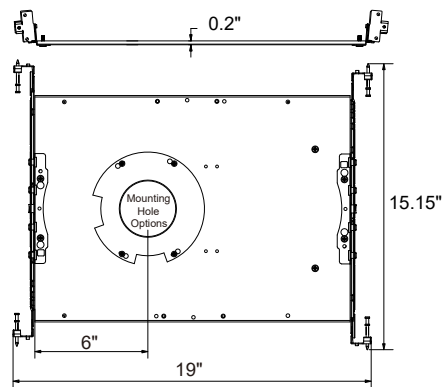
2" Round Trimless



NH New Construction Housing Insulation Kit (IC)



Mounting Space Required
Housing Insulation Kit (IC)
Min 14"×19"×7-5/16"
Max 24"× 19"×7-5/16"

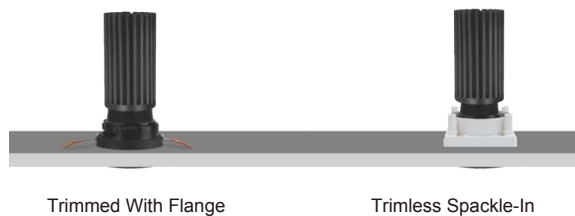


LMD2

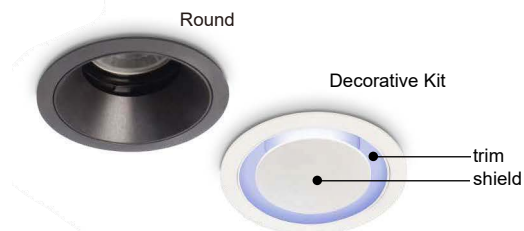
LENS



TRIM & FLANGE



TRIM FINISH & SHAPE



OPTIC



HB Honeycomb



WR Waterproof Plate (wet rated)

DECORATIVE KIT



DYB
Yellow trim with Black shield



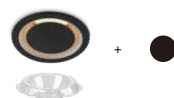
DYW
Yellow trim with White shield



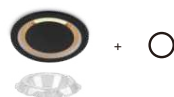
DGB
Green trim with Black shield



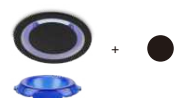
DGW
Green trim with White shield



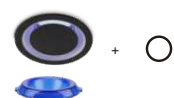
DCB
Clear trim with Black shield



DCW
Clear trim with White shield



DBB
Blue trim with Black shield



DBW
Blue trim with White shield

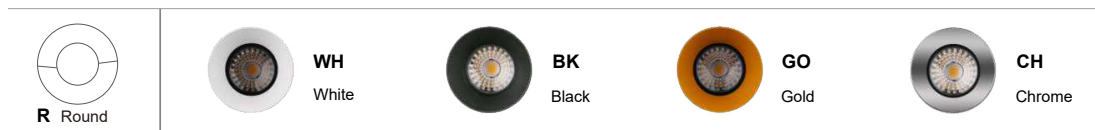


DRB
Red trim with Black shield



DRW
Red trim with White shield

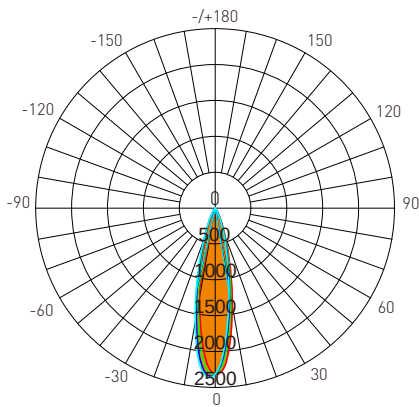
TRIM SHADE



LMD2

DISTRIBUTION

LMD2-R-16L-30K-B30



AVERAGE BEAM ANGLE(50%): 38.6°

Lumens: 1022.8 Lm
Watts: 16 W
LPW: 63.93 Lm/W
CCT: 3000K

UNIT: cd
C0/180,38.6°
C30/210,38.4°
C60/240,38.5°
C90/270,38.6°

Zonal Flux Diagram

°	C0	C45	C90	C135	C180
10	1988.69	1967.67	2030.45	2105.65	2181.64
20	955.80	899.59	1010.40	1120.27	1271.39
30	159.36	140.30	158.49	206.97	316.71
40	15.30	15.63	16.01	21.91	32.23
50	4.49	5.55	4.53	6.54	7.38
60	2.82	2.99	3.47	3.75	3.76
70	1.26	1.18	1.20	1.54	2.15
80	0.34	0.22	0.20	0.33	0.56
90	0.01	0.00	0.00	0.00	0.00
100	0.00	0.02	0.01	0.00	0.01
110	0.23	0.25	0.05	0.01	0.04
120	1.17	1.26	0.45	0.37	0.30
130	2.95	3.06	1.71	1.51	1.30
140	5.19	5.31	3.79	3.48	3.19
150	7.04	7.14	5.97	5.67	5.46
160	7.61	7.55	7.07	6.90	6.94
170	6.93	6.81	6.73	6.81	6.88
180	6.86	6.86	6.86	6.86	6.86
DEG	LUMINOUS INTENSITY:cd				

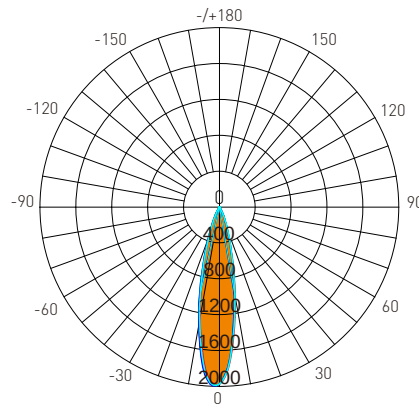
Zonal Lumens

°	φ total
0-10	215.6
10-20	670.8
20-30	945.5
30-40	994.8
40-50	1003.0
50-60	1006.5
60-70	1008.8
70-80	1009.7
80-90	1009.7
90-100	1009.7
100-110	1009.8
110-120	1010.1
120-130	1011.3
130-140	1013.7
140-150	1017.0
150-160	1020.1
160-170	1022.2
170-180	1022.8
UNIT: lm	

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85		
80		
75		
70		
65		
60		
55		
50		
45		

LMD2-R-16L-30K-B50



AVERAGE BEAM ANGLE(50%): 44.5°

Lumens: 1117 Lm
Watts: 16 W
LPW: 69.81 Lm/W
CCT: 3000K

UNIT: cd
C0/180,44.5°
C30/210,44.6°
C60/240,44.7°
C90/270,44.7°

Zonal Flux Diagram

°	C0	C45	C90	C135	C180
10	1763.59	1758.75	1761.32	1760.82	1772.54
20	1138.08	1135.77	1147.42	1171.92	1199.01
30	412.59	418.24	403.81	445.98	488.89
40	54.38	60.46	56.86	73.67	93.77
50	7.79	7.30	6.53	7.27	10.85
60	5.02	4.52	4.82	5.22	5.71
70	2.56	1.89	1.87	2.40	4.00
80	0.61	0.23	0.20	0.41	1.06
90	0.02	0.00	0.00	0.01	0.00
100	0.07	0.08	0.02	0.00	0.02
110	0.46	0.46	0.18	0.10	0.14
120	1.48	1.50	0.66	0.63	0.65
130	3.15	3.16	1.92	1.86	1.89
140	5.18	5.19	3.81	3.74	3.78
150	6.95	6.97	5.78	5.65	5.68
160	7.71	7.74	7.09	6.90	6.93
170	7.72	7.68	7.40	7.34	7.38
180	7.78	7.78	7.78	7.78	7.78
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

°	φ total
0-10	179.6
10-20	593.5
20-30	949.5
30-40	1072.5
40-50	1092.2
50-60	1097.5
60-70	1101.2
70-80	1102.6
80-90	1102.7
90-100	1102.7
100-110	1102.9
110-120	1103.5
120-130	1105.0
130-140	1107.6
140-150	1111.0
150-160	1114.1
160-170	1116.3
170-180	1117.0
UNIT: lm	

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85		
80		
75		
70		
65		
60		
55		
50		
45		