

PROJECT
TYPE
CATALOG #

06-CDR6-2L-LKFS

6" ROUND DOWNLIGHT LUMEN & KELVIN SELECTABLE

HOUSING

- Premium powder-coat, aluminum, white housing.

ELECTRICAL

- Universal 120-277V AC voltage (50-60Hz) is standard.
- 0-10VDC dimming drivers are standard.
- 21.65" flexible metal conduit with additional 6" of conductor is standard.
- Beam angle 50°.
- Input transient surge protection = 1kV.
- Type IC.
- Power factor > 0.90.
- Total Harmonic distortion < 20%.

OPTICAL SYSTEM

- Polycarbonate diffuser.
- Field selectable 2700k(soft white), 3000k(warm white), 3500k(warm/neutral white), 4000k (neutral white) and 5000k (cool white) color temperatures*.
- Tri-Lumen selectable delivers 1,000 to 2,000 nominal lumens*.
- Long-life LEDs provide 149,000 hours of operation with at least 70% of initial lumen output (L70),and 44,000 hours with at least 90% of initial lumen output (L90)**.
- LED color maintenance < -0.0039 chromaticity shift ($\Delta u'v'$) over the initial 6,000 hours of operation.
- Color rendering index > 90.

MOUNTING

- Recessed in ceiling, new construction or retrofit.
- Access above ceiling required.
- Covered ceiling mount only.
- Compatible with 6.30" ceiling cut-outs and 6" mounting frames.

CODE COMPLIANCE

- cETLus listed for wet locations.
- Energy Star certified.
- Complies with FCC part 15, class B.
- Complies with Title 24.

WARRANTY

- 5-year warranty on all electronics and housing.

*Default 4000K color temperature and highest lumen output.
**L70 & L90 hours are IES TM-21-11 calculated hours.



Model	Size (inches) & Weight (lbs)				Cut Out (in)
	L (in)	W (in)	H (in)	Weight	
06-CDR6-2L-LKFS-WHT	8.43	8.43	4.16	1.37	6.30
06-CDR6-2L-LKFS-SW	8.27	8.27	4.36	1.05	6.30



PRODUCT PARAMETERS

MODEL	NOMINAL LUMEN OUTPUT (SELECTABLE)		KELVIN (SELECTABLE)	BAFFLE TYPE
06-CDR6	2L = 2000/ 1500/ 1000 lm	LKFS	2700/ 3000/ 3500/ 4000/ 5000K	WHT Baffled White SW Specular White



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ACCESSORIES (order separately)

Mounting Option:

BL6CLED-ND = Mounting Frame for use with 11-CDR6-2L-LKFS-WHT and 11-CDR6-2L-LKFS-SW.

COMPATIBLE DIMMERS & CONTROLS

Manufacturer	Model Number			
Lutron	RMJS-8T-DV-B	Diva DVSTV	MS-Z101-WH	DVSTV-WH
Legrand	RH4FBL3PW	-	-	-

ELECTRICAL DATA

Series	Measurements	Low Lumens					Mid Lumens					High Lumens				
		2700K	3000K	3500K	4000K	5000K	2700K	3000K	3500K	4000K	5000K	2700K	3000K	3500K	4000K	5000K
10-CDR6-2L-LKFS-WHT	Lumens	1182	1196	1250	1201	1212	1536	1605	1682	1743	1741	1848	1937	2084	2092	2097
	Watt	11.95	11.80	11.60	11.62	11.88	16.54	16.29	15.98	16.01	16.43	20.66	20.38	19.92	19.95	20.54
	Efficacy	98.94	101.36	107.73	103.33	102.01	92.89	98.53	105.26	108.88	105.96	89.43	95.04	104.60	104.86	102.07
	Input Current (A)	120V	0.10	0.10	0.10	0.10	0.10	0.14	0.14	0.13	0.13	0.14	0.17	0.17	0.17	0.17
240V		0.05	0.05	0.05	0.05	0.05	0.07	0.07	0.07	0.07	0.07	0.09	0.08	0.08	0.08	0.09
277V		0.04	0.04	0.04	0.04	0.04	0.09	0.09	0.09	0.09	0.09	0.07	0.07	0.07	0.07	0.07

Series	Measurements	Low Lumens					Mid Lumens					High Lumens				
		2700K	3000K	3500K	4000K	5000K	2700K	3000K	3500K	4000K	5000K	2700K	3000K	3500K	4000K	5000K
10-CDR6-2L-LKFS-SW	Lumens	962	991	1022	1039	1057	1325	1372	1420	1448	1460	1738	1811	1880	1921	1936
	Watt	10.20	10.10	9.97	10.00	10.10	14.00	13.80	13.60	13.60	13.90	18.80	15.50	18.20	18.20	18.70
	Efficacy	94.33	98.07	102.50	103.90	104.69	94.64	99.41	104.39	106.47	105.01	92.45	116.86	103.28	105.53	103.51
	Input Current (A)	120V	0.09	0.08	0.08	0.08	0.08	0.12	0.12	0.11	0.11	0.12	0.16	0.13	0.15	0.15
240V		0.04	0.04	0.04	0.04	0.04	0.06	0.06	0.06	0.06	0.06	0.08	0.08	0.08	0.08	0.08
277V		0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.07	0.06	0.07	0.07	0.07

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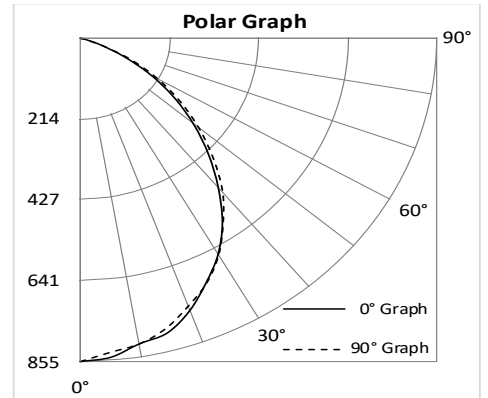
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PHOTOMETRIC DATA

06-CDR6-2L-LKFS-WHT

Luminaire Data	
Description	Commercial Downlight Lumen/Kelvin Selectable
Total Lumens	1,790
Input Wattage	21
Efficacy (lm/W)	85
Spacing Criterion (0-180°)	1.16
Spacing Criterion (90-270°)	1.16
Photometrics calculated at 2700k - high lumens setting	

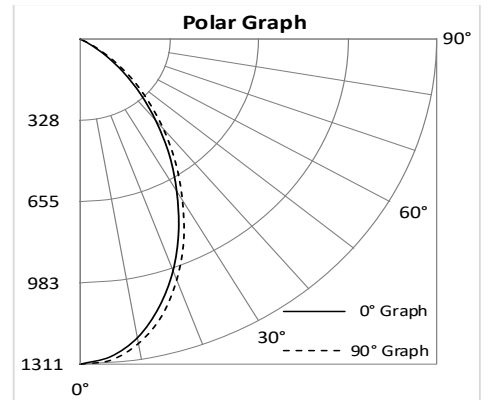
Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-20°	307	17.1%
0-30°	639	35.7%
0-40°	1,015	56.7%
20-50°	1,059	59.2%
40-70°	754	42.1%
0-60°	1,632	91.2%
0-80°	1,790	100.0%
0-90°	1,790	100.0%
90-180°	0	0.0%
0-180°	1,790	100.0%



06-CDR6-2L-LKFS-SW

Luminaire Data	
Description	Commercial Downlight Lumen/Kelvin Selectable
Total Lumens	1,595
Input Wattage	18
Efficacy (lm/W)	87
Spacing Criterion (0-180°)	0.92
Spacing Criterion (90-270°)	0.96
Photometrics calculated at 2700k - high lumens setting	

Zonal Lumen Summary		
Zone	Lumens	%Fixt
0-20°	437	27.4%
0-30°	835	52.4%
0-40°	1,199	75.2%
20-50°	1,017	63.8%
40-70°	392	24.6%
0-60°	1,572	98.6%
0-80°	1,593	99.9%
0-90°	1,593	99.9%
90-180°	2	0.1%
0-180°	1,595	100.0%



DIMENSIONAL DRAWINGS

