

06-CDR4-1L-LKFS

4" 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.
- 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 600 to 1,100 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 < -0.0114 chromaticity shift ($\Delta u'v'$) over the initial 6,000 hours of operation.
- Beam angle 90°.
- Color rendering index > 90.

MOUNTING

- Recessed in ceiling, new construction or retrofit.
- Access above ceiling required.
- Covered ceiling mount only.
- Compatible with 4.35" ceiling cut-outs and 4" 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-CDR4-1L-LKFS-WHT	5.12	5.12	3.2	0.69	4.35
06-CDR4-1L-LKFS-SW	5.12	5.12	3.2	0.66	4.35



PRODUCT PARAMETERS

MODEL	NOMINAL LUMEN OUTPUT (SELECTABLE)	KELVIN (SELECTABLE)		BAFFLE TYPE
06-CDR4	1L = 1100/ 900/ 600 lm	LKFS	2700/ 3000/ 3500/ 4000/ 5000K	WHT Baffled White SW Specular White



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ACCESSORIES (order separately)

Mounting Option

06-MP-UD46810-NC = Mounting plate for 4", 6", 8" and 10" canless recessed downlights.

Trim Rings

06-CDR4-TR-BK = TRIM RING, 4", FOR USE EXCLUSIVELY WITH CDR4-1L-LKFS, BLACK, BAFFLE REFLECTOR

PROJECT
TYPE
CATALOG #

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
06-CDR4-1L-LKFS-WHT	Lumens		542	560	580	593	609	793	823	856	877	892	1015	1058	1106	1135	1143
	Watt		5.83	5.78	5.73	5.74	5.83	8.78	8.69	8.57	8.58	8.72	11.60	11.50	11.30	11.30	11.60
	Efficacy		93.03	96.82	101.26	103.38	104.54	90.28	94.73	99.83	102.17	102.26	87.53	91.96	97.90	100.44	98.50
	Input Current (A)	120V	0.05	0.05	0.05	0.05	0.05	0.07	0.07	0.07	0.07	0.07	0.10	0.10	0.09	0.09	0.10
		240V	0.02	0.02	0.02	0.02	0.02	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05
		277V	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04

Series	Measurements		Low Lumens					Mid Lumens					High Lumens				
			2700K	3000K	3500K	4000K	5000K	2700K	3000K	3500K	4000K	5000K	2700K	3000K	3500K	4000K	5000K
06-CDR4-1L-LKFS-SW	Lumens		531	547	565	578	593	782	810	841	862	875	1013	1055	1103	1136	1155
	Watt		5.63	5.59	5.53	5.53	5.60	8.51	8.42	8.31	8.32	8.46	11.40	11.20	11.10	11.20	11.40
	Efficacy		94.33	97.86	102.25	104.53	105.86	91.89	96.23	101.19	103.58	103.47	88.89	94.18	99.36	101.46	101.27
	Input Current (A)	120V	0.05	0.05	0.05	0.05	0.05	0.07	0.07	0.07	0.07	0.07	0.10	0.10	0.09	0.09	0.10
		240V	0.02	0.02	0.02	0.02	0.02	0.04	0.04	0.03	0.03	0.04	0.05	0.05	0.05	0.05	0.05
		277V	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04

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PHOTOMETRIC DATA

06-CDR4-1L-LKFS-WHT

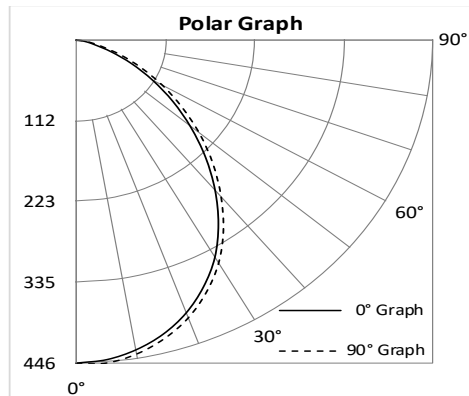
Luminaire Data

Description	Commercial Downlight Lumen/Kelvin Selectable
Total Lumens	967
Input Wattage	11
Efficacy (lm/W)	85
Spacing Criterion (0-180°)	1.18
Spacing Criterion (90-270°)	1.2

Photometrics calculated at
2700k - high lumens
setting

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	161	16.6%
0-30°	335	34.6%
0-40°	530	54.8%
20-50°	548	56.7%
40-70°	396	41.0%
0-60°	845	87.4%
0-80°	958	99.1%
0-90°	966	99.9%
90-180°	1	0.1%
0-180°	967	100.0%



06-CDR4-1L-LKFS-SW

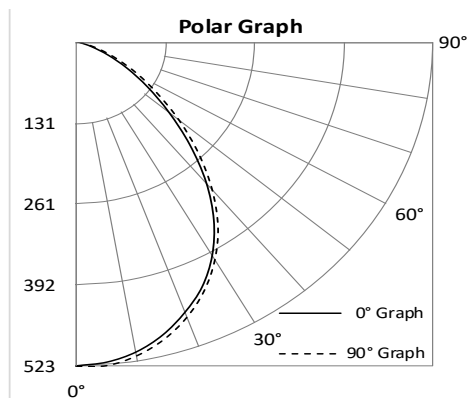
Luminaire Data

Description	Commercial Downlight Lumen/Kelvin Selectable
Total Lumens	988
Input Wattage	11
Efficacy (lm/W)	87
Spacing Criterion (0-180°)	1.16
Spacing Criterion (90-270°)	1.18

Photometrics calculated at
2700k - high lumens
setting

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	187	18.9%
0-30°	387	39.2%
0-40°	607	61.4%
20-50°	607	61.4%
40-70°	368	37.2%
0-60°	916	92.7%
0-80°	987	99.9%
0-90°	987	99.9%
90-180°	1	0.1%
0-180°	988	100.0%



DIMENSIONAL DRAWINGS

