



4" Commercial Architectural Round Downlight



LL-CDR4

4" Commercial Architectural Round Downlight

The LITELUME™ LL-CDR4 is perfect for new construction or retrofit. Featuring Field Selectable 3 level lumen output and 5 CCT options ranging from 2700K to 5000K to customize the light and offer maximum versatility. Available with white trim and white baffle or white trim with specular silver reflector & optional black trim ring.



PERFORMANCE DATA

Lumen Output	600 - 1100 lm
Lumens Per Watt (typical)	105 lm/W
CCT - Field Selectable	2700K 3000K 3500K 4000K 5000K
Lifespan	149,000 hrs

RATINGS & CERTIFICATES

Energy Star • FCC • IC Rated • cETLus Wet • Title 24 • JA8 • Interior / Exterior

APPLICATIONS

New Construction • Retrofit & Remodel

FIXTURE INFORMATION

Size	Housing	Finish	Optics	Trim Type	Trim Color
5W - 11W	White Aluminum	Premium Powder Coat	<ul style="list-style-type: none"> Polycarbonate Diffuser 90° Beam Angle CRI 90 	<ul style="list-style-type: none"> White Baffle Specular Reflector 	<ul style="list-style-type: none"> White Black
Electrical	Mounting		Operating Temp	Warranty	
<ul style="list-style-type: none"> 120-277V 0-10V Dimming 1kV Surge Protection PF >.90, THD < 20% 	<ul style="list-style-type: none"> Recessed in Ceiling, New Construction or Retrofit Access Above Ceiling Required; Covered Ceiling Mount Only Compatible: 4.35" Ceiling Cut-Outs and 4" Mounting Frames 		-4°F to 113°F	10 Year	

Standard: 21.65" Flexible Metal Conduit with Additional 6" of Conductor



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DIMENSIONS						
	Model	L (in)	W (in)	H (in)	Weight (lbs)	Cut Out (in)
	LL-CDR4-1L-LKFS-WHT	5.12	5.12	3.2	0.69	4.35
	LL-CDR4-1L-LKFS-SW	5.12	5.12	3.2	0.66	4.35

LUMEN TABLES																
Series	Measurements	Low Lumens					Mid Lumens					High Lumens				
		2700K	3000K	3500K	4000K	5000K	2700K	3000K	3500K	4000K	5000K	2700K	3000K	3500K	4000K	5000K
LL-CDR4-1L-LKFS-WHT	Lumens	542	560	580	593	609	793	823	856	877	892	1015	1058	1106	1135	1143
	Watts	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
LL-CDR4-1L-LKFS-SW	Lumens	531	547	565	578	593	782	810	841	862	875	1013	1055	1103	1136	1155
	Watts	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



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ELECTRICAL DATA

Series	CCT	Input Amps (A)								
		Low Lumens			Mid Lumens			High Lumens		
		120V	240V	277V	120V	240V	277V	120V	240V	277V
LL-CDR4-1L-LKFS-WHT	2700K	0.05	0.02	0.02	0.07	0.04	0.03	0.10	0.05	0.04
	3000K	0.05	0.02	0.02	0.07	0.04	0.03	0.10	0.05	0.04
	3500K	0.05	0.02	0.02	0.07	0.04	0.03	0.09	0.05	0.04
	4000K	0.05	0.02	0.02	0.07	0.04	0.03	0.09	0.05	0.04
	5000K	0.05	0.02	0.02	0.07	0.04	0.03	0.10	0.05	0.04

Series	CCT	Input Amps (A)								
		Low Lumens			Mid Lumens			High Lumens		
		120V	240V	277V	120V	240V	277V	120V	240V	277V
LL-CDR4-1L-LKFS-SW	2700K	0.05	0.02	0.02	0.07	0.04	0.03	0.10	0.05	0.04
	3000K	0.05	0.02	0.02	0.07	0.04	0.03	0.10	0.05	0.04
	3500K	0.05	0.02	0.02	0.07	0.03	0.03	0.09	0.05	0.04
	4000K	0.05	0.02	0.02	0.07	0.03	0.03	0.09	0.05	0.04
	5000K	0.05	0.02	0.02	0.07	0.04	0.03	0.10	0.05	0.04

COMPATIBLE DIMMERS AND CONTROLS

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



4" Commercial Architectural Round Downlight

PHOTOMETRICS — (LL-CDR4-1L-LKFS-WHT)

Luminaire Data		Polar Graph	Zonal Lumen Summary		
Description	4" Commercial Architectural Round Downlight	<p>Photometric calculated at 2700K - high lumens setting.</p>	Zone	Lumens	%Fixt
Total Lumens	967		0-20°	161	16.6%
Input Wattage	11		0-30°	335	34.6%
Efficacy (lm/W)	85		0-40°	530	54.8%
Spacing Criterion (0-180°)	1.18		20-50°	548	56.7%
Spacing Criterion (90-270°)	1.2		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%	

PHOTOMETRICS — (LL-CDR4-1L-LKFS-SW)

Luminaire Data		Polar Graph	Zonal Lumen Summary		
Description	4" Commercial Architectural Round Downlight	<p>Photometric calculated at 2700K - high lumens setting.</p>	Zone	Lumens	%Fixt
Total Lumens	988		0-20°	187	18.9%
Input Wattage	11		0-30°	387	39.2%
Efficacy (lm/W)	87		0-40°	607	61.4%
Spacing Criterion (0-180°)	1.16		20-50°	607	61.4%
Spacing Criterion (90-270°)	1.18		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%	



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PROJECT NAME	
CATALOG #	
JOB TYPE	
PREPARED BY	
NOTES	

ORDERING GUIDE

Brand	Fixture Type		Lumen Package
LL LITELUME	CDR4 4" Commercial Architectural Round Downlight		1L 1100 Lumens
Power	CCT	Trim	Accessories
L Lumen Selectable Power	KFS Kelvin Field Selectable	WH White Baffle SW Specular Silver Reflector	LL-CDR4-TR-BK Trim Ring Black Finish

FIXTURE ORDERING INFORMATION

Part #	Watts	Lumens	Kelvin	Voltage	Beam
LL-CDR4-1L-LKFS-WHT	5W/8W/11W	600/900/1100	5 CCT	120-277	90 Degree
LL-CDR4-1L-LKFS-SW	5W/8W/11W	600/900/1100	5 CCT	120-277	90 Degree

ACCESSORIES ORDERING INFORMATION

Part #	Description
LL-CDR4-TR-BK	Trim Ring Black Finish LL-CDR4