



8" Commercial Architectural Round Downlight



LL-CDR8

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The LITELUME™ LL-CDR8 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	3000 - 5000 lm
Lumens Per Watt (typical)	102 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
32W - 48W	White Aluminum	Premium Powder Coat	<ul style="list-style-type: none"> Polycarbonate Diffuser 70° & 100° 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: 8.08" Ceiling Cut-Outs and 8" Mounting Frames 		-4°F to 113°F	10 Year	

Standard: 21.65" Flexible Metal Conduit with Additional 6" of Conductor
*** Note:** 70° Beam for LL-CDR8-5L-LKFS-SW 100° Beam for LL-CDR8-5L-LKFS-WHT



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DIMENSIONS						
	Model	L (in)	W (in)	H (in)	Weight (lbs)	Cut Out (in)
	LL-CDR8-5L-LKFS-WHT	10.04	10.04	5.41	1.46	8.08
	LL-CDR8-5L-LKFS-SW	10.04	10.04	5.41	1.77	8.08

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-CDR8-5L-LKFS-WHT	Lumens	2904	2979	3188	3321	3362	3649	3811	4048	4209	4291	4108	4368	4638	4759	4712
	Watts	32.38	32.13	31.62	31.77	32.86	42.54	42.14	41.30	41.52	43.17	49.25	48.76	47.66	47.97	50.03
	Efficacy	89.68	92.73	100.83	104.52	102.32	85.77	90.44	98.02	101.37	99.39	83.42	89.59	97.32	99.22	94.18
LL-CDR8-5L-LKFS-SW	Lumens	2829	2881	2933	2955	2981	3617	3679	3698	3837	3754	4064	4260	4555	4723	4629
	Watts	31.60	31.30	30.70	30.80	31.60	41.60	41.20	40.30	40.40	41.70	48.30	47.80	46.70	46.80	48.70
	Efficacy	89.54	92.03	95.55	95.93	94.32	86.96	89.29	91.76	94.98	90.03	84.15	89.13	97.54	100.93	95.05



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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-CDR8-5L-LKFS-WHT	2700K	0.27	0.13	0.12	0.35	0.18	0.15	0.41	0.21	0.18
	3000K	0.27	0.13	0.12	0.35	0.18	0.15	0.41	0.20	0.18
	3500K	0.26	0.13	0.11	0.34	0.17	0.15	0.40	0.20	0.17
	4000K	0.26	0.13	0.11	0.35	0.17	0.15	0.40	0.20	0.17
	5000K	0.27	0.14	0.12	0.36	0.18	0.16	0.42	0.21	0.18

Series	CCT	Input Amps (A)								
		Low Lumens			Mid Lumens			High Lumens		
		120V	240V	277V	120V	240V	277V	120V	240V	277V
LL-CDR8-5L-LKFS-SW	2700K	0.26	0.13	0.11	0.35	0.17	0.15	0.40	0.20	0.17
	3000K	0.26	0.13	0.11	0.34	0.17	0.15	0.40	0.20	0.17
	3500K	0.26	0.13	0.11	0.34	0.17	0.15	0.39	0.19	0.17
	4000K	0.26	0.13	0.11	0.34	0.17	0.15	0.39	0.20	0.17
	5000K	0.26	0.13	0.11	0.35	0.17	0.15	0.41	0.20	0.18

COMPATIBLE DIMMERS AND CONTROLS

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

REMOTE MOUNT EM DRIVER

Part #	LL-BLEM-INDRV-HV40W
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PHOTOMETRICS — (LL-CDR8-5L-LKFS-WHT)

Luminaire Data		Polar Graph	Zonal Lumen Summary		
Description	8" Commercial Architectural Round Downlight	<p>Photometric calculated at 2700K - high lumens setting.</p>	Zone	Lumens	%Fixt
Total Lumens	4369		0-20°	675	15.5%
Input Wattage	51		0-30°	1413	32.3%
Efficacy (lm/W)	85		0-40°	2273	52.0%
Spacing Criterion (0-180°)	1.2		20-50°	2447	56.0%
Spacing Criterion (90-270°)	1.2		40-70°	1951	44.7%
			0-60°	3813	87.3%
		0-80°	4350	99.6%	
		0-90°	4369	100.0%	
		90-180°	0	0.0%	
		0-180°	4369	100.0%	

PHOTOMETRICS — (LL-CDR8-5L-LKFS-SW)

Luminaire Data		Polar Graph	Zonal Lumen Summary		
Description	8" Commercial Architectural Round Downlight	<p>Photometric calculated at 2700K - high lumens setting.</p>	Zone	Lumens	%Fixt
Total Lumens	4906		0-20°	1213	24.7%
Input Wattage	50		0-30°	2379	48.5%
Efficacy (lm/W)	98		0-40°	3517	71.7%
Spacing Criterion (0-180°)	1.08		20-50°	3152	64.3%
Spacing Criterion (90-270°)	1.02		40-70°	1380	28.1%
			0-60°	4793	97.7%
		0-80°	4904	100.0%	
		0-90°	4906	100.0%	
		90-180°	0	0.0%	
		0-180°	4906	100.0%	



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PROJECT NAME	
CATALOG #	
JOB TYPE	
PREPARED BY	
NOTES	

ORDERING GUIDE

Brand	Fixture Type		Lumen Package
LL LITELUME	CDR8 8" Commercial Architectural Round Downlight		5L 5000 Lumens
Power	CCT	Trim	Accessories
L Lumen Selectable Power	KFS Kelvin Field Selectable	WH White Baffle SW Specular Silver Reflector	LL-CDR8-TR-BK Trim Ring Black Finish LL-BLEM-INDRV-HV40W Constant Power Emergency LED Driver 40 Watts

FIXTURE ORDERING INFORMATION

Part #	Watts	Lumens	Kelvin	Voltage	Beam
LL-CDR8-5L-LKFS-WHT	32W/42W/48W	3000/4000/5000	5 CCT	120-277	100 Degree
LL-CDR8-5L-LKFS-SW	32W/42W/48W	3000/4000/5000	5 CCT	120-277	70 Degree

ACCESSORIES ORDERING INFORMATION

Part #	Description
LL-CDR8-TR-BK	Trim Ring Black Finish LL-CDR8
LL-BLEM-INDRV-HV40W	Constant Power Emergency LED Driver 40 Watts, Input Voltage 120-347V