



6" Commercial Architectural Round Downlight



LL-CDR6

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The LITELUME™ LL-CDR6 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	1000 - 2000 lm
Lumens Per Watt (typical)	116 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
12W - 20W	White Aluminum	Premium Powder Coat	<ul style="list-style-type: none"> Polycarbonate Diffuser 65° & 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: 6.30" Ceiling Cut-Outs and 6" Mounting Frames 		-4°F to 113°F	10 Year	

Standard: 21.65" Flexible Metal Conduit with Additional 6" of Conductor
*** Note:** 65° Beam for LL-CDR6-2L-LKFS-SW 90° Beam for LL-CDR6-2L-LKFS-WH



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

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-CDR6-2L-LKFS-WHT	Lumens	1182	1196	1250	1201	1212	1536	1605	1682	1743	1741	1848	1937	2084	2092	2097
	Watts	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
Series	Measurements	Low Lumens					Mid Lumens					High Lumens				
		2700K	3000K	3500K	4000K	5000K	2700K	3000K	3500K	4000K	5000K	2700K	3000K	3500K	4000K	5000K
LL-CDR6-2L-LKFS-SW	Lumens	962	991	1022	1039	1057	1325	1372	1420	1448	1460	1738	1811	1880	1921	1936
	Watts	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



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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-CDR6-2L-LKFS-WHT	2700K	0.10	0.05	0.04	0.14	0.07	0.09	0.17	0.09	0.07
	3000K	0.10	0.05	0.04	0.14	0.07	0.09	0.17	0.08	0.07
	3500K	0.10	0.05	0.04	0.13	0.07	0.09	0.17	0.08	0.07
	4000K	0.10	0.05	0.04	0.13	0.07	0.09	0.17	0.08	0.07
	5000K	0.10	0.05	0.04	0.14	0.07	0.09	0.17	0.09	0.07

Series	CCT	Input Amps (A)								
		Low Lumens			Mid Lumens			High Lumens		
		120V	240V	277V	120V	240V	277V	120V	240V	277V
LL-CDR6-2L-LKFS-SW	2700K	0.09	0.04	0.04	0.12	0.06	0.05	0.16	0.08	0.07
	3000K	0.08	0.04	0.04	0.12	0.06	0.05	0.13	0.08	0.06
	3500K	0.08	0.04	0.04	0.11	0.06	0.05	0.15	0.08	0.07
	4000K	0.08	0.04	0.04	0.11	0.06	0.05	0.15	0.08	0.07
	5000K	0.08	0.04	0.04	0.12	0.06	0.05	0.16	0.08	0.07

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-CDR6-2L-LKFS-WHT)

Luminaire Data		Polar Graph	Zonal Lumen Summary		
Description	6" Commercial Architectural Round Downlight	<p>Photometric calculated at 2700K - high lumens setting.</p>	Zone	Lumens	%Fixt
Total Lumens	1790		0-20°	307	17.1%
Input Wattage	21		0-30°	639	35.7%
Efficacy (lm/W)	85		0-40°	1015	56.7%
Spacing Criterion (0-180°)	1.16		20-50°	1059	59.2%
Spacing Criterion (90-270°)	1.16		40-70°	754	42.1%
			0-60°	1632	91.2%
		0-80°	1790	100.0%	
		0-90°	1790	100.0%	
		90-180°	0	0.0%	
		0-180°	1790	100.0%	

PHOTOMETRICS — (LL-CDR6-2L-LKFS-SW)

Luminaire Data		Polar Graph	Zonal Lumen Summary		
Description	6" Commercial Architectural Round Downlight	<p>Photometric calculated at 2700K - high lumens setting.</p>	Zone	Lumens	%Fixt
Total Lumens	1595		0-20°	437	27.4%
Input Wattage	18		0-30°	835	52.4%
Efficacy (lm/W)	87		0-40°	1199	75.2%
Spacing Criterion (0-180°)	0.92		20-50°	1017	63.8%
Spacing Criterion (90-270°)	0.96		40-70°	392	24.6%
			0-60°	1572	98.6%
		0-80°	1593	99.9%	
		0-90°	1593	99.9%	
		90-180°	2	0.1%	
		0-180°	1595	100.0%	



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PROJECT NAME	
CATALOG #	
JOB TYPE	
PREPARED BY	
NOTES	

ORDERING GUIDE

Brand	Fixture Type		Lumen Package
LL LITELUME	CDR6 6" Commercial Architectural Round Downlight		2L 2000 Lumens
Power	CCT	Trim	Accessories
L Lumen Selectable Power	KFS Kelvin Field Selectable	WH White Baffle SW Specular Silver Reflector	LL-CDR6-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-CDR6-2L-LKFS-WHT	12W/16W/20W	1000/1500/2000	5 CCT	120-277	90 Degree
LL-CDR6-2L-LKFS-SW	12W/16W/20W	1000/1500/2000	5 CCT	120-277	65 Degree

ACCESSORIES ORDERING INFORMATION

Part #	Description
LL-CDR6-TR-BK	Trim Ring Black Finish LL-CDR6
LL-BLEM-INDRV-HV40W	Constant Power Emergency LED Driver 40 Watts, Input Voltage 120-347V