



DESCRIPTION

The CDL6 is a recessed downlight designed for new construction or retrofit applications. Each downlight is offered in 3000K color temperature, with a CRI of 90 for exceptional color rendering. The dimming range is from 100 - 10%. The CDL series is designed to meet Energy Star and California Title 24 standards for residential and non-residential applications.



CDL6

FEATURES

- Highly reflective matte white finish with baffle
- 3000K color temperature LED
- 90 CRI
- 120V
- Dimming range from 100% through 10%
- Wet Location rated
- Title 24
- Lighting Facts Listed
- ENERGY STAR® Certified

APPLICATION

The CDL Series is designed to be a cost competitive downlight for retrofit or new construction applications. The CDL6 has a telescoping retention bracket that allows it to be used in both 5" and 6" recessed housings.

PRODUCT AVAILABILITY TABLE

	VAC	Lumens	Watts	LpW
CDL6-8L30KA WH	120	763	10	76

STANDARDS, CERTIFICATIONS & COMPLIANCE

California Title 24 residential and non-residential
UL Listed to UL 1598
ENERGY STAR® Certified

WARRANTY

5 year limited warranty

Single Carton Weight CDL6: .96 lbs.

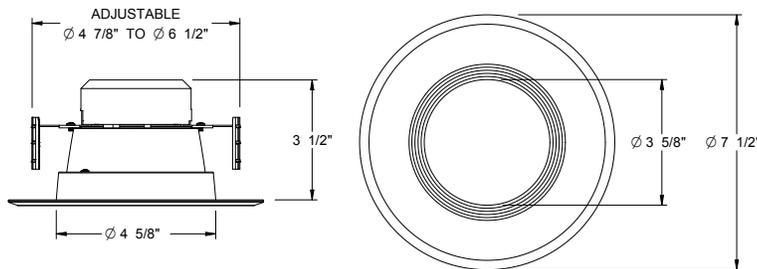
Master Carton Quantity: 8 each

Note:
Photometric files available for download at www.hubbellighting.com

ORDERING GUIDE

Catalog Number	Description
CDL6-8L30KA WH	5" or 6" Downlight, 800 Lumen, 3000K, 90 CRI, White

DIMENSIONS



CDL6

ELECTRICAL DATA 5" & 6"

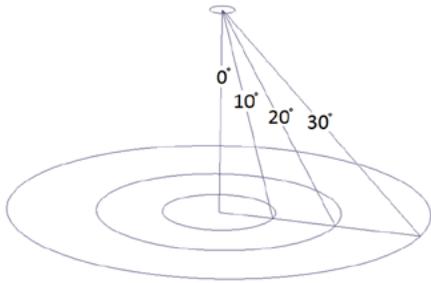
Input Voltage	120V AC
Input Frequency	50/60 Hz
Input Current	0.09A
Input Power	10.0W
Power Factor	>0.90
THD	FCC 47CFR Part 15, Class B
Operating Temperature	-30°C to 40° C
Dimming	Yes*

Over-voltage, over-current, short-circuit protected

*See Dimming Notes for more information

PHOTOMETRIC DATA

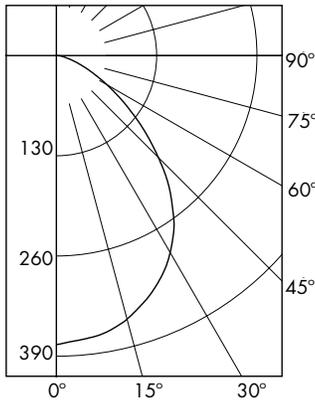
INITIAL FOOTCANDLES (fc) DATA CHART



Single Unit, fc on 30" Work Plane						Ceiling to Floor Height (ft)	Multiple Units, Average fc on 30" Work Plane					
0° (nadir)		10°		20°			RCR 2			RCR 5		RCR 7
fc	Illuminated Dia (ft)	fc	Illuminated Dia (ft)	fc	Illuminated Dia (ft)		Fixture Spacing (ft)					
CDL6 8L30KAWH												
12	12	2	9	4	6	6	8	7 x 7	17	12	10	
9	8	2	7	5	5	8	9	8 x 8	12	9	7	
6	5	3	4	6	3	9	10.5	10 x 10	8	6	5	
4	4	3	3	7	2	11	12	11 x 11	6	4	3	

CDL6 8L30KAWH

LED Light Engine: 3000K 90 CRI
 System Wattage: 10.1
 Fixture delivered lumens: 763
 Fixture Efficacy: 75.5
 Spacing Criteria: 1.2



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	281	36.9
0-40	447	58.5
0-60	688	90.1
0-90	763	100.0

CANDELA DISTRIBUTION

DEG	CANDELA
0	375
5	370
15	354
25	319
35	266
45	187
55	108
65	50
75	18
85	4
90	0

COEFFICIENTS OF UTILIZATION

Zonal Cavity Method

Room Cavity Ratio	% Effective Ceiling Cavity Reflectance											
	80%			70%			50%			30%		
	% 20% Effective Floor Cavity Reflectance											
% Wall Reflectance												
	70	50	30	10	70	10	50	30	50	30		
1	111	107	103	100	108	99	101	98	97	95		
3	95	85	78	73	92	72	81	76	78	74		
5	81	70	62	56	79	55	67	60	65	59		
7	70	58	50	44	69	44	56	49	54	48		
9	62	49	41	36	60	36	47	41	46	40		

CDL6 8L30KAWH

Test No. P17.00238

Test No. P17.00238

Tested at 25°C Ambient in accordance to IESNA LM-79-2008

DIMMING NOTES:

Prescolite's recessed LED modules are designed to be compatible with many dimmer controls. Electronic low-voltage rated dimmer controls may offer favorable dimming performance. Incandescent type dimmers are not recommended. The following is a list of known compatible dimmer controls:

Manufacturer	Series	Part Number	Dimmer Type
Lutron	Nova T	NTELV-300	ELV
Lutron	Spacer	SPSELV-600	ELV
Lutron	Maestro	MAELV-600	ELV
Lutron	Diva	DVELV-300P	ELV

Dimming capabilities will vary depending on the dimmer control, load, and circuit installation. Always refer to dimmer manufacturer instructions or a controls specialist for specific requirements.

Dimmer control brand names where identified above are tradenames or registered trademarks of each respective company.

HOUSING CAPABILITY:

CDL6 modules are UL certified for use with Prescolite and most competitive recessed cans with the following "A" and "B" dimensions:

- Prescolite**
- Capri
- Commercial Electric
- Elco
- Emerald
- Halo
- Intense
- Jimway
- Juno
- Lithonia
- Lumapro
- Luminaire

- Nora
- Progress
- Sea Gull
- WAC

