



5" or 6" Recessed LED Downlight

## 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

## PRODUCT AVAILABILITY TABLE

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

## 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.

## 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

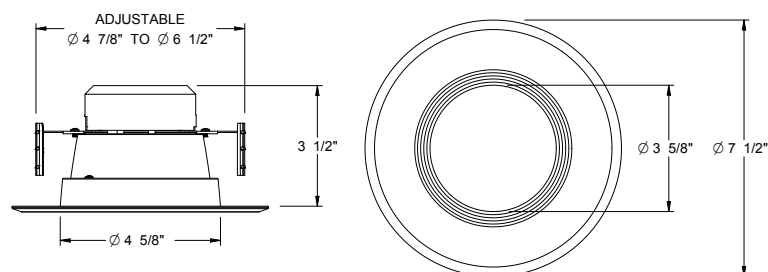
Note:

Photometric files available for download at [www.hubbelllighting.com](http://www.hubbelllighting.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

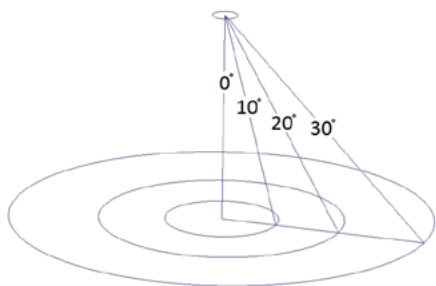
\*See Dimming Notes for more information



HUBBELL  
Lighting



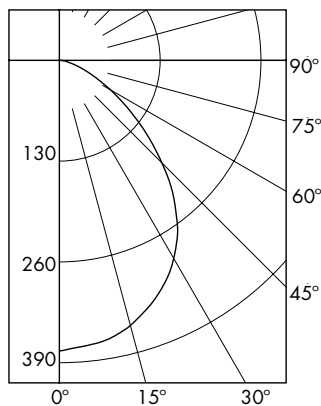
### INITIAL FOOTCANDLES (fc) DATA CHART



Single Unit, fc on 30" Work Plane						Ceiling to Floor Height (ft)	Multiple Units, Average fc on 30" Work Plane				
0° (nadir)	10°		20°		30°		Fixture Spacing (ft)	RCR 2	RCR 5	RCR 7	
fc	fc	Illuminated Dia (ft)	fc	Illuminated Dia (ft)	fc			Illuminated Dia (ft)	footcandles (fc)		
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