



DESCRIPTION

The CDL4 and CDL6 are recessed downlights 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.



CDL4



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[®] Qualified

PRODUCT AVAILABILITY TABLE

	VAC	Lumens	Watts	LpW
CDL4-7L30KA WH	120	705	9	81
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. The CDL4 is designed to fit into 4" recessed housings.

STANDARDS, CERTIFICATIONS & COMPLIANCE

California Title 24 residential and non-residential
UL Listed to UL 1598
Energy Star[®] Qualified

WARRANTY

5 year limited warranty

Single Carton Weight CDL4: .52 lbs.

Single Carton Weight CDL6: .96 lbs.

Master Carton Quantity: 8 each

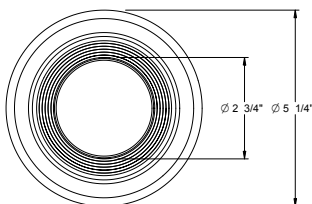
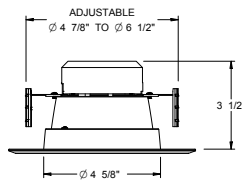
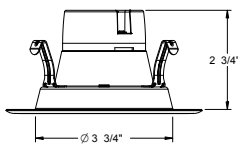
Note:

Photometric files available for download at www.hubbellighting.com

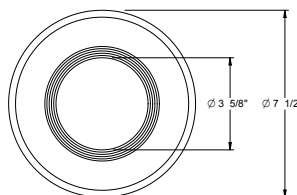
ORDERING GUIDE

Catalog Number	Description
CDL4-7L30KA WH	4" Downlight, 700 Lumen, 3000K, 90 CRI, White
CDL6-8L30KA WH	5" or 6" Downlight, 800 Lumen, 3000K, 90 CRI, White

DIMENSIONS



CDL4



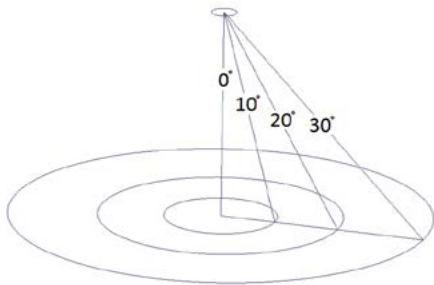
CDL6

ELECTRICAL DATA

	4"	5" & 6"
Input Voltage	120V AC	120V AC
Input Frequency	50/60 Hz	50/60 Hz
Input Current	0.08A	0.09A
Input Power	8.7W	10.0W
Power Factor	>0.90	>0.90
THD	<20%	<20%
EMI Filtering	FCC 47CFR Part 15, Class B	FCC 47CFR Part 15, Class B
Operating Temperature	-30°C to 40° C	-30°C to 40° C
Dimming	Yes*	Yes*
Over-voltage, over-current, short-circuit protected		
*See Dimming Notes for more information		

PHOTOMETRIC DATA

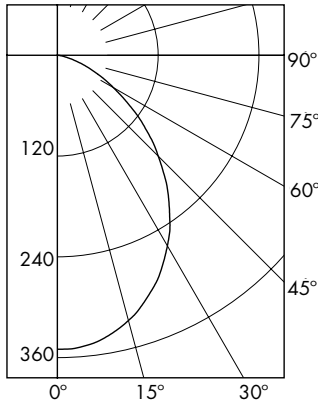
INITIAL FOOTCANDLES (fc) DATA CHART



Single Unit, fc on 30" Work Plane							Ceiling to Floor Height (ft)	Multiple Units, Average fc on 30" Work Plane				
0° (nadir)	10°		20°		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)			
CDL4 7L30KAWH												
12	11	2	8	4	6	6	8	6 x 6	18	13	11	
8	8	2	6	5	4	8	9	7 x 7	13	10	8	
5	5	3	4	6	3	9	10.5	9 x 9	9	6	5	
4	4	3	3	7	2	11	12	10 x 10	6	4	4	
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	

CDL4 7L30KAWH

LED Light Engine: 3000K 90 CRI
 System Wattage: 8.7
 Fixture delivered lumens: 705
 Fixture Efficacy: 81.0
 Spacing Criteria: 1.1



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	257	36.5
0-40	403	57.2
0-60	629	89.3
0-90	705	100.0

CANDELA DISTRIBUTION

DEG	CANDELA
0	350
5	348
15	327
25	288
35	233
45	170
55	106
65	53
75	17
85	3
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	98	100	98	97	94		
3	94	85	78	72	92	72	81	75	78	73		
5	81	69	61	55	79	55	66	59	64	58		
7	70	57	49	44	68	44	55	48	54	48		
9	61	49	41	36	60	36	47	40	46	40		

CDL4 7L30KAWH

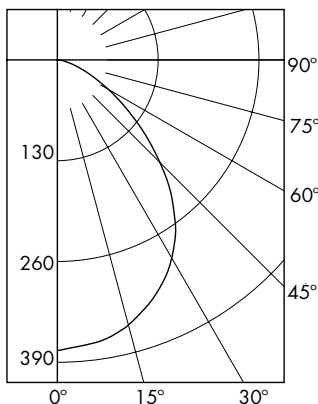
Test No. P17.00229

Test No. P17.00229

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

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

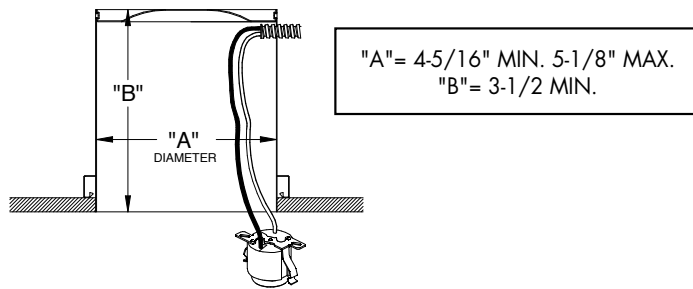
Dimming capabilities will vary depending on the dimmer control, load, and circuit installation. Always refer to dimmer manufacturer instructions or a controls specialist for specific requirements.

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

HOUSING CAPABILITY:

CDL4 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



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- Prescolite**
 Capri
 Commercial Electric
 Elco
 Emerald
 Halo
 Intense
 Jimway
 Juno
 Lithonia
 Lumapro
 Luminaire
- Nora
 Progress
 Sea Gull
 WAC

