

DCD2

Commercial Recessed LED Downlight
Classic Remodel
6", 8" Aperture



- Commercial-grade downlight that complements high ceiling projects
- Up to 4000 lumens of architectural-grade light through 30°, 45°, and 60° beam options
- All DCDH remodel housings are UL Listed approved for use with DMF's advanced LED modules and available in 6" or 8" apertures

Application Commercial Remodel		Aperture 6", 8"	
Delivered Lumens 1500 lm (23.7W), 2000 lm (31.0W), 3000 lm (43.8W), 4000 lm (48.3W)		Color Quality 90+ CRI, 2-step SDCM	
Color Temperature     2700K3000K3500K4000K		Optics    Narrow Flood (30°)Flood (45°)Wide Flood (60°)	
Input Voltage 120/277V		Dimming 0-10V 1% Lutron Hi-lume® 1%	
Trims Commercial		Trim Finish White, Alzak®, Custom	
Standards 		Ratings  Wet location available	Guarantee 50,000 hrs 5 years



PRODUCT BUILDER

HOUSING

PRODUCT CODE		APPLICATION		APERTURE		INPUT		DRIVER	
DCDH	Housing	R	Remodel	6	6" Aperture	1	120V	15P	0-10V, 1500 lm
				8	8" Aperture	2	277V	20P	0-10V, 2000 lm
								30P	0-10V, 3000 lm
								40P	0-10V, 4000 lm
								15C	Lutron LDE1 ¹ , 1500 lm
								20C	Lutron LDE1 ¹ , 2000 lm
								30C	Lutron LDE1 ¹ , 3000 lm
								15L	Lutron LTEA2W ² , 1500 lm
								20L	Lutron LTEA2W ² , 2000 lm
								30L	Lutron L3DA3W ² , 3000 lm

LED MODULE

PRODUCT CODE		LUMENS		CRI		CCT		OPTIC	
DCD2M	Module	15	1500 lm	9	90+ CRI	27	2700K	NF	Narrow Flood
		20	2000 lm			30	3000K	FL	Flood
		30	3000 lm			35	3500K	WF	Wide Flood
		40	4000 lm ³			40	4000K		

TRIM

PRODUCT CODE		SHAPE		APERTURE		STYLE		FINISH	
DCD2T	Trim	R	Round	6	6" Aperture	S	Smooth	WH	White
				8	8" Aperture			AZ	Low Iridescent Reflector, White Flange
								CC	Custom Color

¹ Lutron LDE1 Dimming refers to Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black™² Lutron LTEA2W Dimming refers to Lutron Hi-lume 1% 3-wire LED driver, 120V only³ Not compatible with Lutron Hi-Lume 1%

HOUSING



Classic Commercial Housing

6", 8" Remodel

DCDHR

SUMMARY

MOUNTING FRAME: Die-formed sheet metal

JUNCTION BOX: Galvanized steel. Equipped with (4) 1/2" and (2) 3/4" knockouts with pryout slots to allow straight conduit runs. Junction box tension spring allows snap-in installations of plate cover for easy access to wiring. Approved for 8 (four-in, four-out) #12 AWG 90 through wire conductors.

MOUNTING: 4 tempered steel spring clips to secure housing to existing ceiling

CEILING: 1/2" up to 1"

CUTOUT: 6 5/8" (6" frame-in kit), 8 1/6" (8" frame-in kit)

INPUT VOLTAGE: 120/277V, 50/60Hz

MAX INPUT CURRENT (120V): 0.20 amps, 0.26 amps, 0.37 amps, 0.40 amps

MAX INPUT CURRENT (120V): 0.10 amps, 0.12 amps, 0.16 amps, 0.17 amps

POWER FACTOR: Greater than 0.9

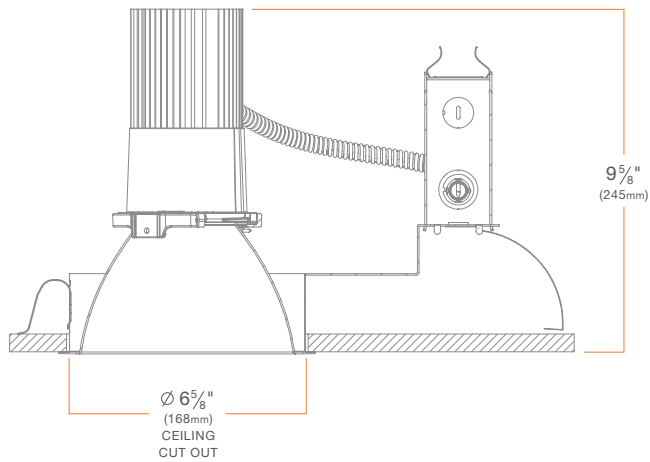
TOTAL HARMONIC DISTORTION: Less than 20%

LISTINGS: Non-IC rated

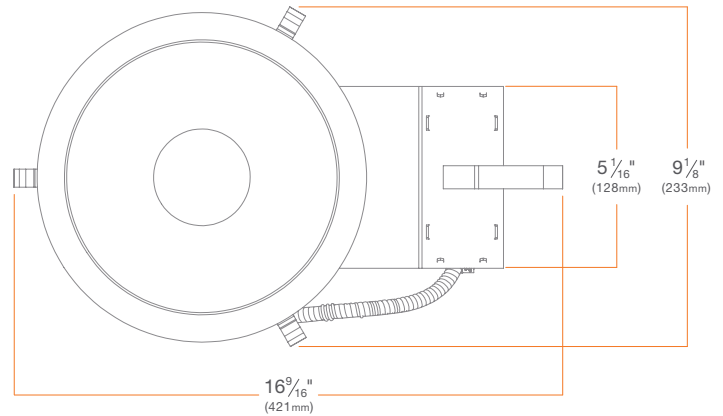
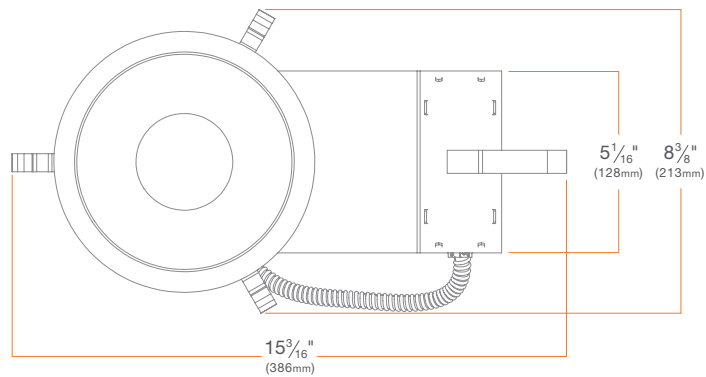
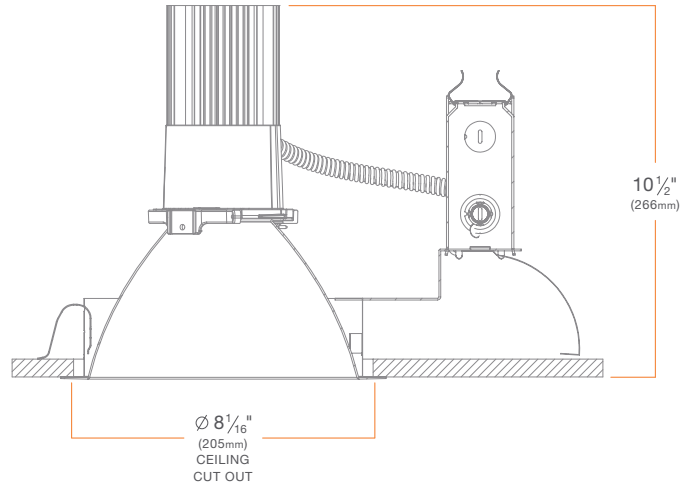
WARRANTY: 5 year limited warranty

HOUSING

6" Commercial Remodel

DCDHR6


8" Commercial Remodel

DCDHR8


MODULE



DCD2

Commercial LED Module

DCD2M

SUMMARY

LED: Cree® LED

DELIVERED LUMENS: 1500 lm (23.7W), 2000 lm (31.0W), 3000 lm (43.8W), 4000 lm (48.3.8W)

EFFICACY: 63 lm/W, 65 lm/W, 68 lm/W, 66 lm/W

COLOR QUALITY: 90+ CRI, 2-step SDCM

CCT: 2700K, 3000K, 3500K, 4000K

OPTICS: Narrow Flood (30°), Flood (45°), Wide Flood (60°)

HEAT SINK: Forged and extruded heat sink with pressed copper heat pipes and Dual Phase Cooling™ technology

CONNECTOR: PowerPlug® Luminaire Disconnect Model 182

DIMMING: Down to less than 1% for 0-10V or Lutron Hi-lume® 1%

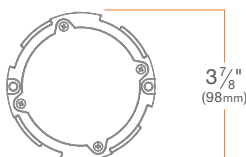
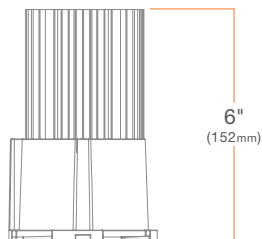
AMBIENT OPERATING TEMPERATURE: -20°C to 40°C

PHOTOMETRIC TESTING: Tested in accordance to IESNA LM-79-2008

LISTINGS: ENERGY STAR® qualified, California Title 24 2016 compliant, UL Listed for Wet location, cULus Listed

LIFETIME: 50,000 hours at 70% lumen maintenance

WARRANTY: 5 year limited warranty



TRIM


Classic Commercial Trims

6", 8" Aperture

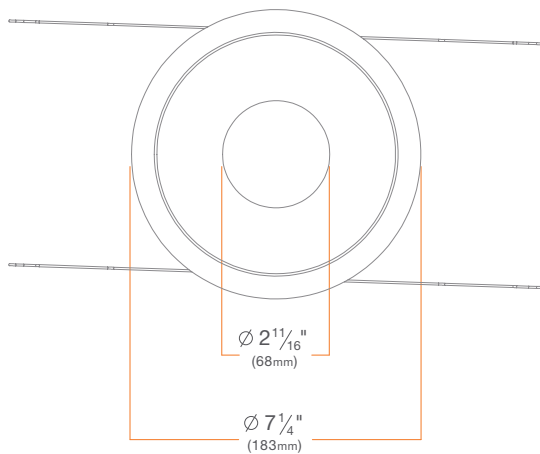
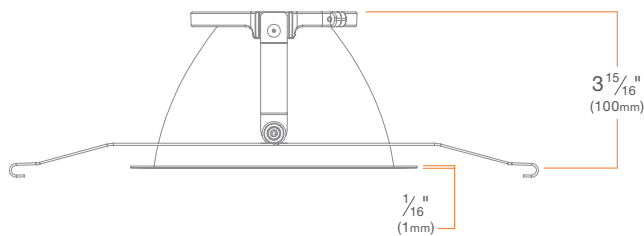
DCD2T

SUMMARY

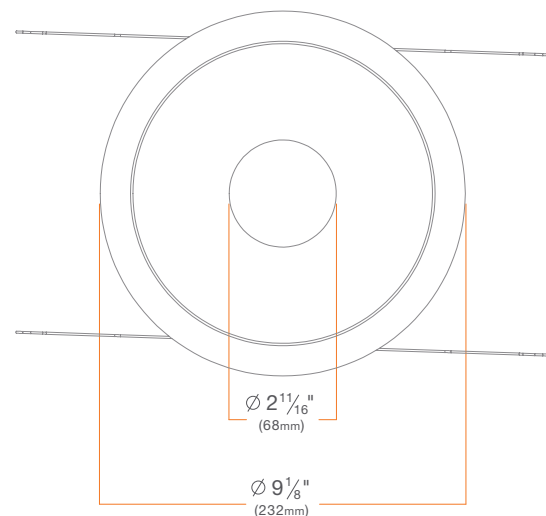
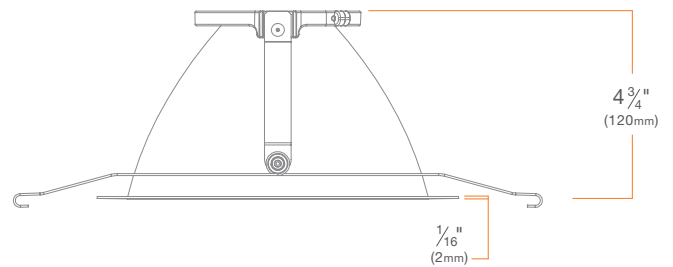
CONSTRUCTION: Die-cast aluminum

INSTALLATION: Twist & Lock

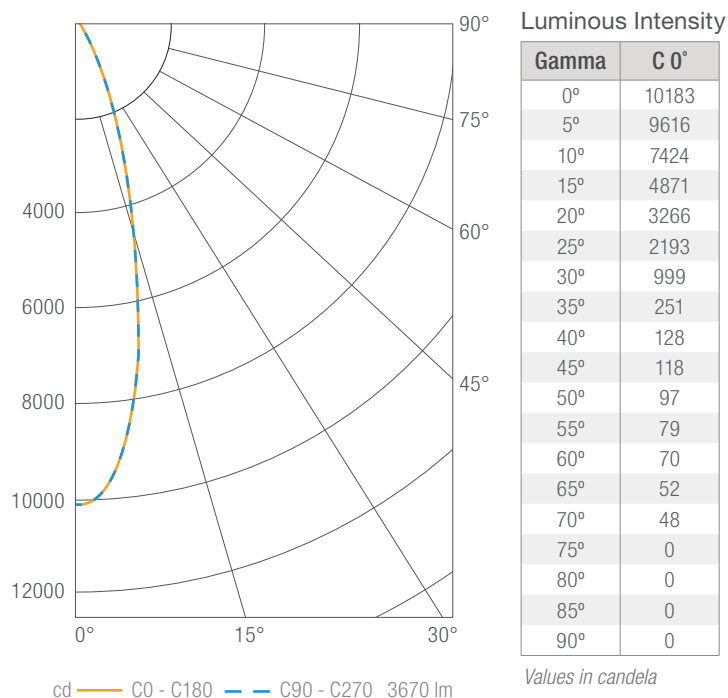
6" Commercial Trim

DCD2TR6


8" Commercial Trim

DCD2TR8


PHOTOMETRY

DCD2 4000 lm, 3500K, Narrow Flood **DCD2M40835NF**
6" Trim Smooth, White **DCD2TR6SWH**


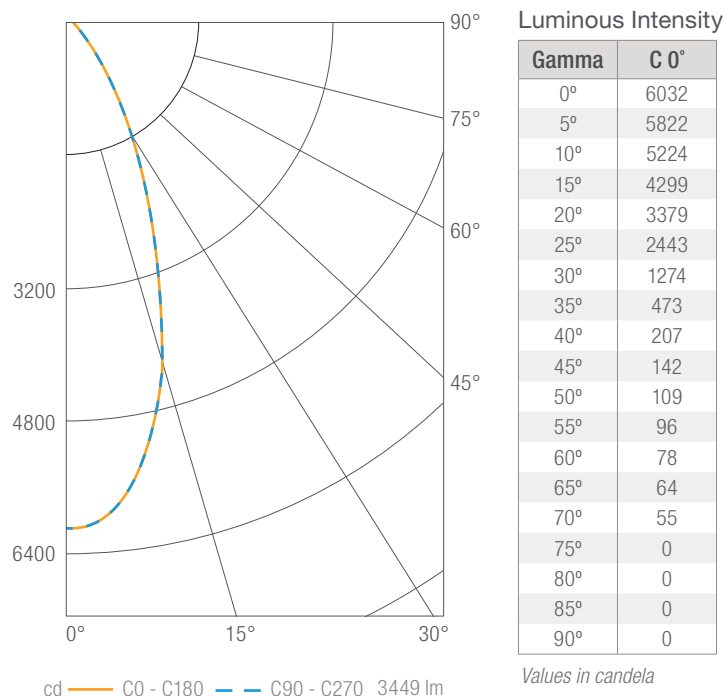
Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	3196	87
0-40	3442	94
0-60	3603	98
0-90	3670	100
0-180	3670	100

Illuminance Chart

Distance from LED	Foot Candles	Diameter
6.0'	283	3.1'
9.0'	126	4.7'
12.0'	71	6.2'
14.0'	52	7.2'

Beam Angle: 29°

DCD2 4000 lm, 3500K, Flood **DCD2M40835FL**
6" Trim Smooth, White **DCD2TR6SWH**


Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	2802	81
0-40	3170	92
0-60	3371	98
0-90	3449	100
0-180	3449	100

Illuminance Chart

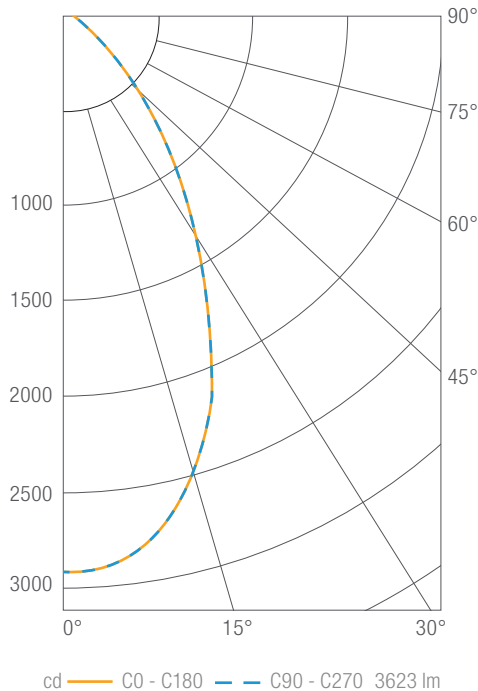
Distance from LED	Foot Candles	Diameter
6.0'	168	4.8'
9.0'	74	7.2'
12.0'	42	9.7'
14.0'	31	11.3'

Beam Angle: 44°



PHOTOMETRY

DCD2 4000 lm, 3500K, Wide Flood **DCD2M40835WF**
6" Trim Smooth, White **DCD2TR6SWH**



Luminous Intensity

Gamma	C 0°
0°	3402
5°	3329
10°	3168
15°	2922
20°	2615
25°	2240
30°	1755
35°	1200
40°	738
45°	428
50°	272
55°	218
60°	179
65°	148
70°	108
75°	0
80°	0
85°	0
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	2141	59
0-40	2897	80
0-60	3451	95
0-90	3623	100
0-180	3623	100

Illuminance Chart

Distance from LED	Foot Candles	Diameter
6.0'	95	7.0'
9.0'	42	10.6'
12.0'	24	14.1'
14.0'	17	16.4'

Beam Angle: 60°

Lumen Scaling

DCD2M15 (1500 lm)	DCD2M20 (2000 lm)	DCD2M30 (3000 lm)	DCD2M40 (4000 lm)
0.47	0.61	0.80	1.00

CCT Scaling

DCD2M40827 (2700K)	DCD2M40830 (3000K)	DCD2M40835 (3500K)	DCD2M40840 (4000K)
0.93	0.93	1.00	1.00



DIMMER COMPATIBILITY

Recommended 0-10V Dimmers (Dims down to 1% nominal measured light output)

Brand	Series	Model Number	Max Load DCD2M15	Max Load DCD2M20	Max Load DCD2M30	Max Load DCD2M40
Legrand	Titan	CD4FB	98	74	52	38
Leviton	IllumaTech	IP710-DLZ	35	37	26	19
Lithonia	Synergy	ISD BC	36	37	26	19
Lutron	Diva	DVTV	54	59	42	30
	Nova	NFTV	57	60	42	30
	Nova	NTSTV-DV	78	59	42	30
	PowPak	RMJ-5T-DV-B	24	24	24	24
Watt Stopper	Micro Decorator Style	DCLV1	98	75	53	39