

DCD1









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

Project:	Type:
Product Code:	Date:

Spec Sheet V-03.15.19



- Powerfully compact downlight designed for higher light and ceiling applications
- Advanced LED delivers up to 2000 lumens of 90+ CRI general downlighting
- 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 (19.5W), 2000 lm (29.0W)	Color Quality 90+ CRI, 2-step SDCM	
Color Temperature <div><div></div><div></div><div></div><div></div></div> <div>2700K3000K3500K4000K</div>	Optics  General	
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	
<input type="text"/>		<input type="text"/>		<input type="text"/>		<input type="text"/>		<input type="text"/>	
DCDH	Housing	R	Remodel	6	6" Aperture	1	120V	150	0-10V, 1500 lm
				8	8" Aperture	2	277V	200	0-10V, 2000 lm
								15C	Lutron LDE1 ¹ , 1500 lm
								20C	Lutron LDE1 ¹ , 2000 lm
								15L	Lutron LTEA2W ² , 1500 lm
								20L	Lutron LTEA2W ² , 2000 lm

LED MODULE

PRODUCT CODE		LUMENS		CRI		CCT		DRIVER	
<input type="text"/>		<input type="text"/>		<input type="text"/>		<input type="text"/>		<input type="text"/>	
DCD1M	Module	15	1500 lm	9	90+ CRI	27	2700K	A	Alternate
		20	2000 lm			30	3000K		
						35	3500K		
						40	4000K		

TRIM

PRODUCT CODE		SHAPE		APERTURE		STYLE		FINISH	
<input type="text"/>		<input type="text"/>		<input type="text"/>		<input type="text"/>		<input type="text"/>	
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 only

HOUSING



Classic Commercial Housing

6", 8" Remodel

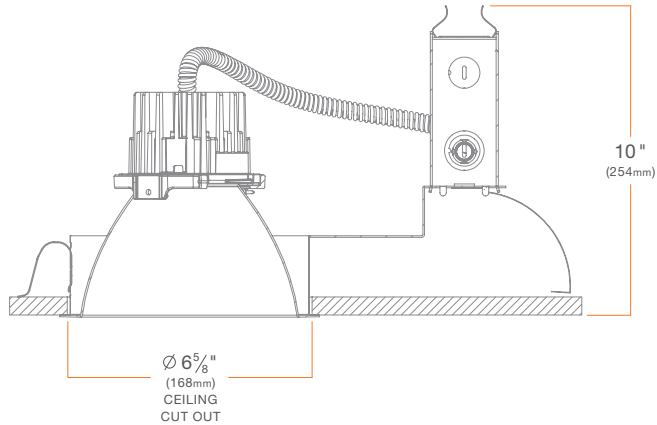
DCDHR

SUMMARY

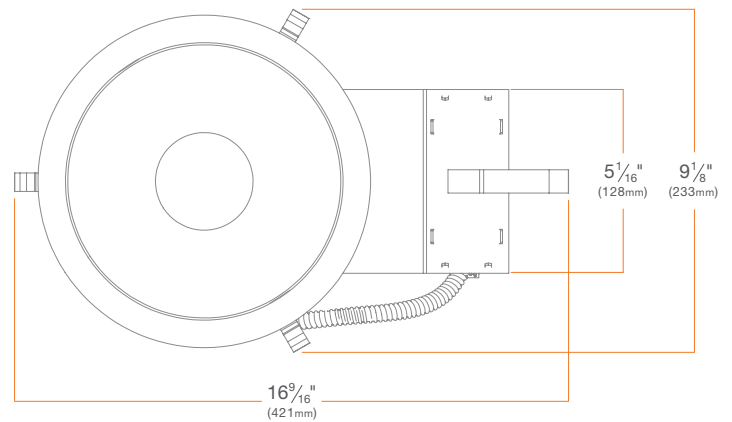
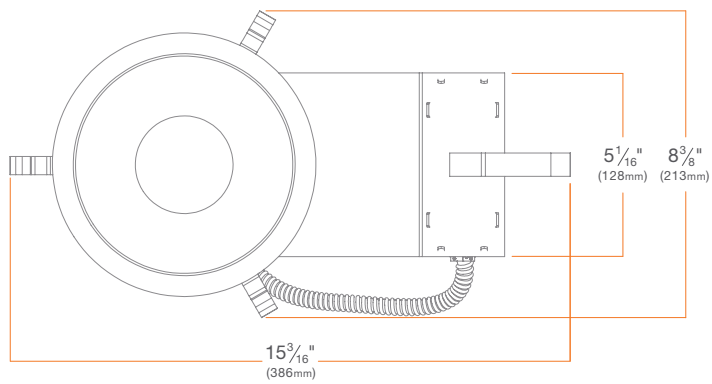
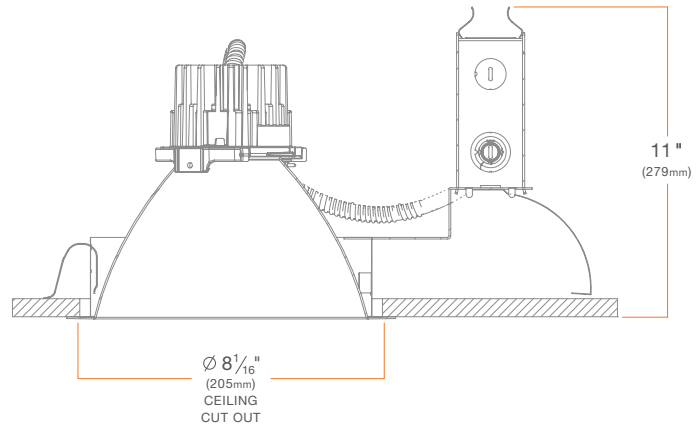
MOUNTING FRAME: Die-formed sheet metal**JUNCTION BOX:** Galvanized steel. Equipped with (4) 1/2" and (2) 3/4" knockouts with pryout slots to allow straight conduit runs. Junction box tension spring allows snap-in installations of plate cover for easy access to wiring. Approved for 8 (four-in, four-out) #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):** 0.26 amps, 0.37 amps**MAX INPUT CURRENT (277V):** 0.12 amps, 0.16 amps**POWER FACTOR:** Greater than 0.9**TOTAL HARMONIC DISTORTION:** Less than 20%**LISTINGS:** Non-IC rated

HOUSING

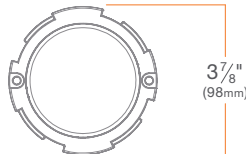
6" Commercial Remodel

DCDHR6


8" Commercial Remodel

DCDHR8


MODULE

**DCD1**

Commercial LED Module

DCD1M

SUMMARY

LED: Cree® LED**DELIVERED LUMENS:** 1500 lm (19.5W), 2000 lm (29.0W)**EFFICACY:** 77 lm/W, 69 lm/W**COLOR QUALITY:** 90+ CRI, 2-step SDCM**CCT:** 2700K, 3000K, 3500K, 4000K**CONNECTOR:** PowerPlug® Luminaire Disconnect Model 182**DIMMING:** Down to less than 1% for 0-10V or Lutron Hi-lume® 1% at 120/277V**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

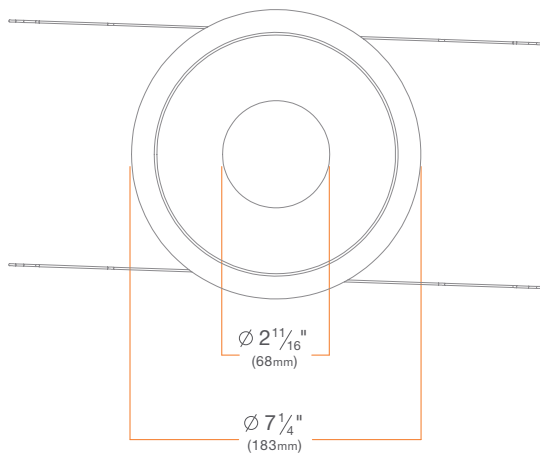
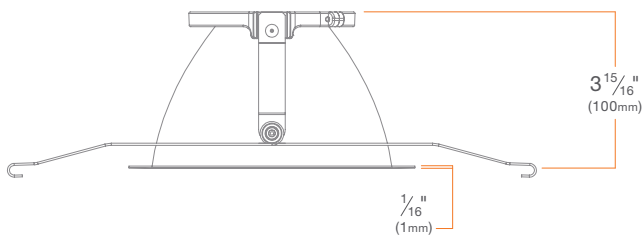
DCD2T

SUMMARY

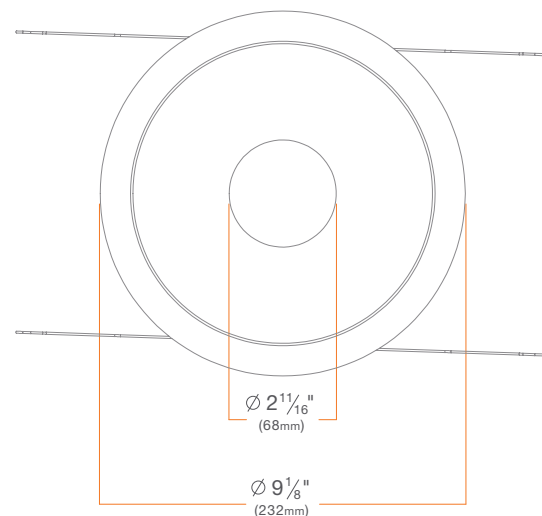
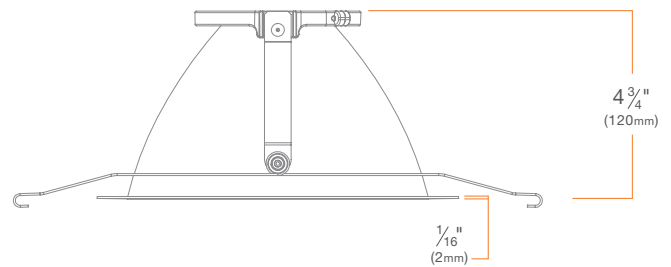
CONSTRUCTION: Die-cast aluminum

INSTALLATION: Twist & Lock

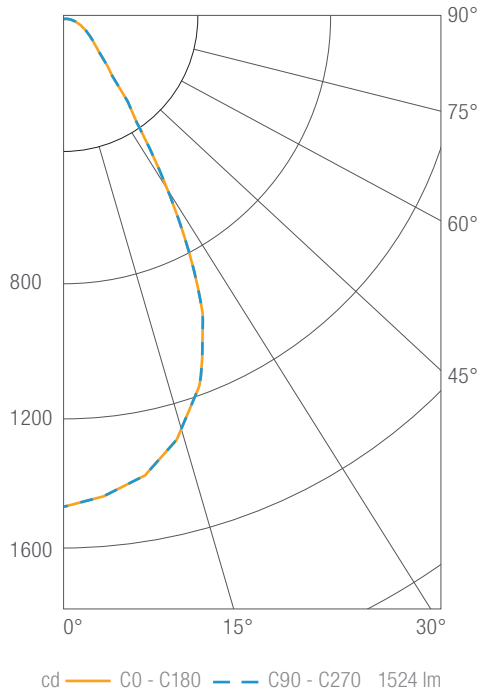
6" Commercial Trim

DCD2TR6


8" Commercial Trim

DCD2TR8


PHOTOMETRY

DCD1 1500 lm, 3500K **DCD1M15935A**
6" Round Trim Smooth, White **DCD2TR6SWH**


Luminous Intensity

Gamma	C 0°
0°	1470
5°	1443
10°	1398
15°	1312
20°	1186
25°	989
30°	678
35°	384
40°	228
45°	160
50°	122
55°	99
60°	79
65°	62
70°	47
75°	32
80°	18
85°	6
90°	1

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	942	62
0-40	1201	79
0-60	1419	93
0-90	1524	100
0-180	1524	100

Illuminance Chart

Distance from LED	Foot Candles	Diameter
3.0'	163	3.3'
6.0'	41	6.7'
9.0'	18	10'
12.0'	10	13.3'

Beam Angle: 58°

Lumen Scaling

DCD1M15 (1500 lm)	DCD1M20 (2000 lm)
1.00	1.33

CCT Scaling

DCD1M15927 (2700K)	DCD1M15930 (3000K)	DCD1M15935 (3500K)	DCD1M15940 (4000K)
0.93	1.00	1.00	1.07



DIMMER COMPATIBILITY

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

Brand	Series	Model Number	Max Load DCD1M15	Max Load DCD1M20
Legrand	Titan	CD4FB	97	71
Leviton	IllumaTech	IP710-DLZ	46	34
Lithonia	Synergy	ISD BC	46	34
Lutron	Diva	DVTV	73	54
	Nova	NFTV	110	78
	Nova	NTSTV-DV	105	76
Watt Stopper	Micro Decorator Style	DCLV1	135	95