

DCD1

Recessed LED Downlight

Classic Remodel
5", 6" Aperture

Project:	Type:
Product Code:	Date:

Spec Sheet V-04.15.19



- Powerfully compact downlight designed for higher light and ceiling applications
- Advanced LED delivers up to 2000 lumens of 90+ CRI general downlighting
- All DRDH housings are UL Listed approved for use with DMF's advanced LED modules and can be installed in direct contact with insulation

Application Remodel	Aperture 5", 6"
Delivered Lumens 1500 lm (19.5W), 2000 lm (29.0W)	Color Quality 90+ CRI, 2-step SDCM
Color Temperature <div><div></div>2700K</div> <div><div></div>3000K</div> <div><div></div>3500K</div> <div><div></div>4000K</div>	Light Distribution <div><div></div><div>General</div></div>
Input Voltage 120/277V	Dimming 0-10V 1%, Lutron Hi-lume® 1%
Trims Round, Baffle, Wall Wash, Deep Standard, Deep Baffle	Trim Finish White, Black, Silver, Alzak®, Custom
Housing Ratings <div><div></div>ASTM E283 Certified Air Tight</div> <div><div></div>IC (Insulation Contact) Rated</div>	Module Ratings <div><div></div>UL Listed for Wet Location</div>
Standards <div><div></div><div></div><div></div></div>	Guarantee 50,000 hrs 5 years



PRODUCT BUILDER

HOUSING

PRODUCT CODE		APPLICATION		IC/NON-IC		APERTURE		DRIVER	
<input type="text"/>		<input type="text"/>		<input type="text"/>		<input type="text"/>		<input type="text"/>	
DRDH	Housing	R	Remodel	IC	Insulation Contact	5	5" Aperture	15O	0-10V, 1500 lm
						6	6" Aperture	20O	0-10V, 2000 lm
						6S	6" Shallow	15C	Lutron LDE1 ¹ , 2000 lm
								20C	Lutron LDE1 ¹ , 1000 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"/>	
DRD2T	Trim	R	Round	5	5" Aperture	S	Standard	WH	White
		D	Deep ³	6	6" Aperture	B	Baffle	BK	Black
						W	Wall Wash ⁴	SW	Silver Reflector, White Flange
								AZ	Low Iridescent Reflector, White Flange ⁵
								CC	Custom Color

¹ Lutron LDE1 refers to Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black™² Lutron LTEA2W refers to Lutron Hi-lume 1% 2-wire LED driver³ Only available in 6" aperture, Standard or Baffle style, White, Low Iridescent or Custom finish; only compatible with standard 6" Housing⁴ Only available in White finish⁵ Only available for Deep shape

HOUSING



Classic Housing

5", 6" Remodel

DRDHRIC

SUMMARY

HOUSING: 20 ga. die-formed aluminum (5" frame-in kit), 22 ga. die-formed aluminum (6" frame-in kit, 6" shallow frame-in kit)

JUNCTION BOX: Galvanized steel. Equipped with (5) 1/2" and (2) 3/4" knockouts with pryout slots to allow straight conduit runs (5" frame-in kit, 6" frame-in kit, 6" shallow frame-in kit). (4) knockouts for non-metallic sheathed cable installation. Junction box tension spring allows snap-in installation 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 secure housing to ceiling

CEILING: 1/2" up to 1"

CUTOUT: 5 3/4" (5" housing), 6 3/8" (6" housing, 6" shallow housing)

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

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

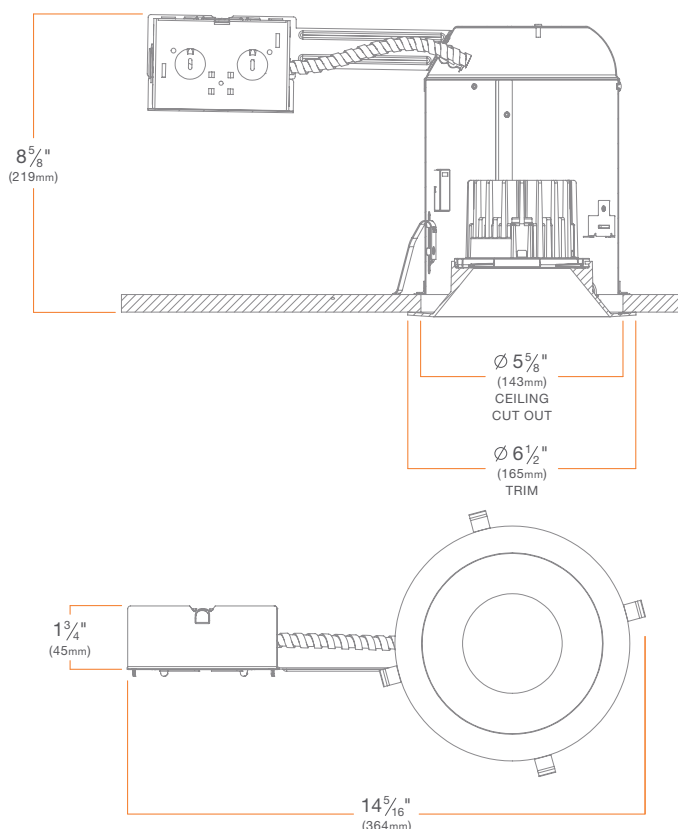
MAX INPUT CURRENT (277V): 0.12 amps, 0.16 amps

POWER FACTOR: Greater than 0.9

TOTAL HARMONIC DISTORTION: Less than 20%

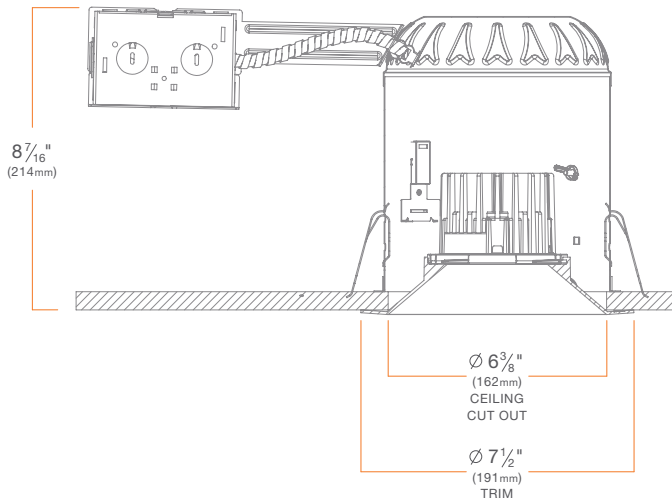
LISTINGS: ASTM E283 certified Air Tight, IC (Insulation Contact) rated

5" Remodel IC Frame-in Kit

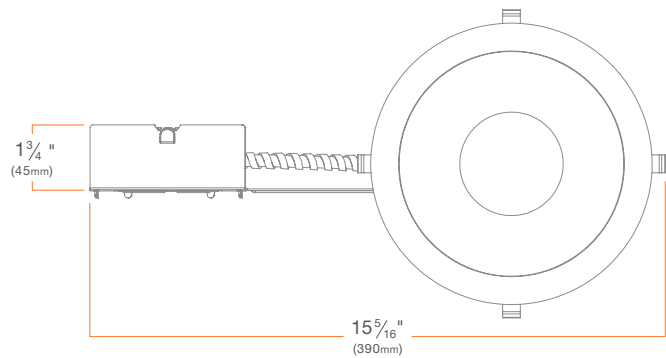
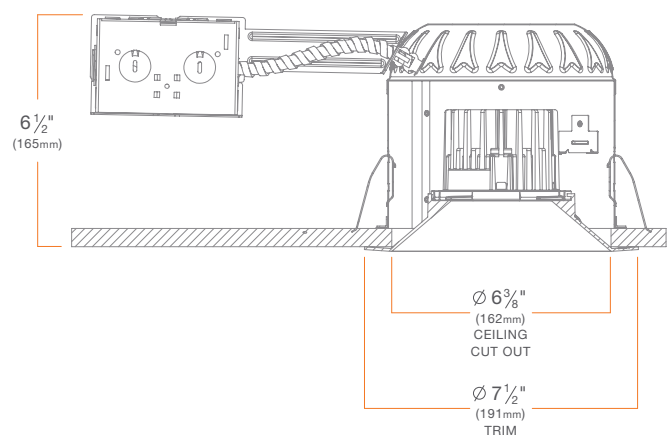
DRDHRIC5


HOUSING

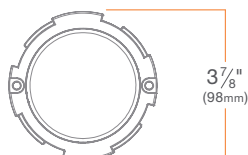
6" Remodel IC Frame-in Kit

DRDHRIC6


6" Shallow Remodel IC Frame-in Kit

DRDHRIC6S


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 Trims

Recessed LED Downlight Trims

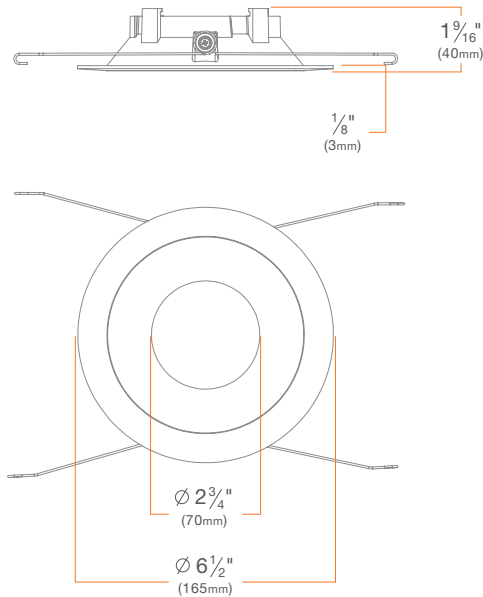
DRD2T

SUMMARY

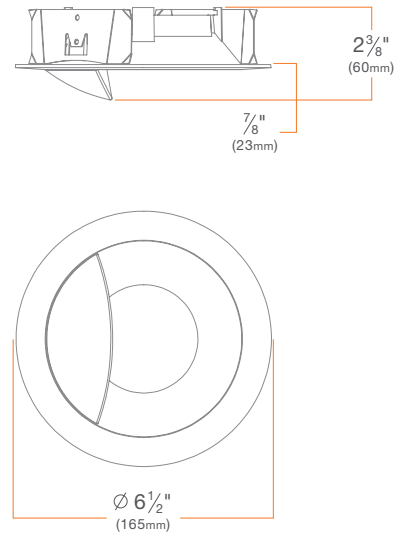
CONSTRUCTION: Die-cast aluminum

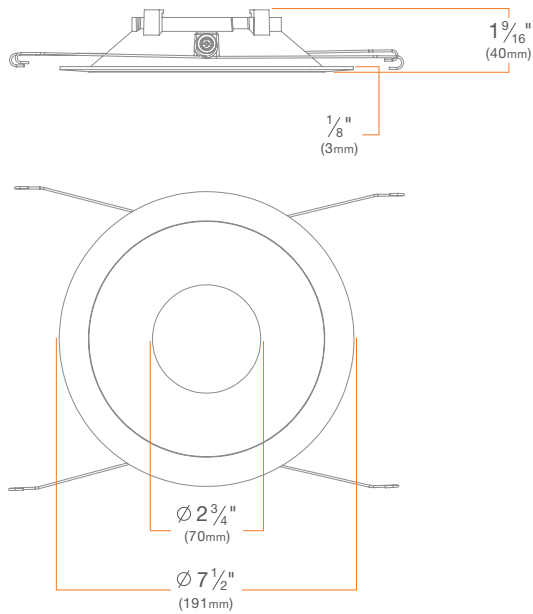
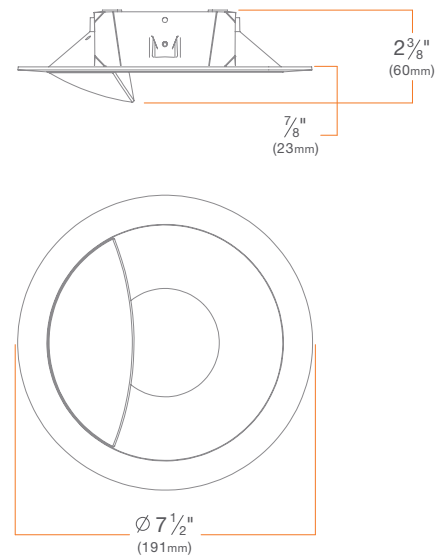
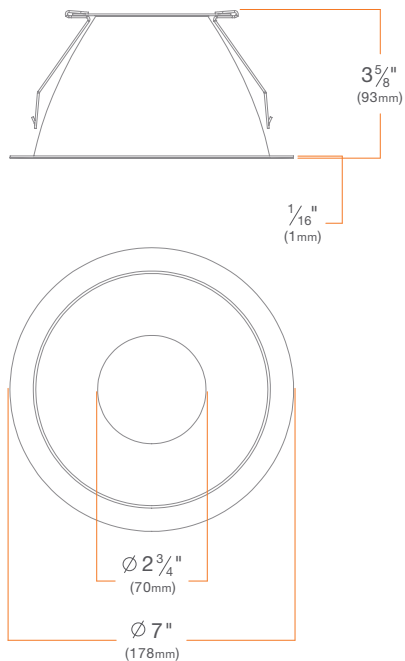
INSTALLATION: Twist & Lock

5" Round Trim

DRD2TR5SWH


5" Wall Wash Trim

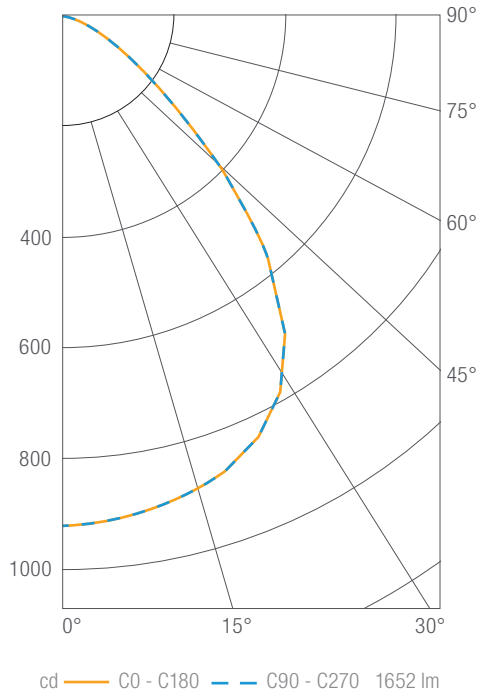
DRD2TR5WWH


TRIM
6" Round Trim
DRD2TR6SWH

6" Wall Wash Trim
DRD2TR6WWH

6" Deep Trim
DRD2TD6SWH




PHOTOMETRY

DCD1 1500 lm, 3000K DCD1M15930A
6" Round Trim Smooth, White DRD2TR6SWH



Luminous Intensity

Gamma	C 0°
0°	851
5°	847
10°	838
15°	824
20°	804
25°	775
30°	727
35°	649
40°	539
45°	403
50°	272
55°	178
60°	117
65°	75
70°	42
75°	20
80°	10
85°	4
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	669	41
0-40	1070	65
0-60	1546	94
0-90	1652	100
0-180	1652	100

Illuminance Chart

Distance from LED	Foot Candles	Diameter
3.0'	95	5.8'
6.0'	24	11.6'
9.0'	11	17.4'
12.0'	6	23.3'

Beam Angle: 88°

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