

DRD4 & Classic Frames

Adjustable Downlighting System

New Construction, Remodel, Retrofit
4", 5", 6" Aperture

Project:	Type:
Product Code:	Date:

V111022



Fully Adjustable 360° directional aiming for complete light coverage

Precise Control Class leading 45° tilt with 15°, 25° or 40° field-changeable light distributions

Dim to Dark Smooth, flicker-free dimming down to 1% with centralized or local control

Fast Install Integrated drive, plug-and-play connection, and Twist & Lock Trims

Modular Design Flexibility during and after installation with interchangeable modules, optics and trims

OPTICAL

Adjustment

360° directional aim, 45° tilt

Delivered Lumens (Power)

750 lm (9.7W), 1000 lm (12W)

Color Quality

93+ CRI, 2-step SDCM

Color Temperature

- 2700K 3000K 3500K
 4000K Warm Dim (3000–1800K)

Beam Spread

- Narrow Spot (15°) Linear (60° x 30°)
 Spot (25°) Soft Focus
 Flood (40°)

PHYSICAL

Application

New Construction, Remodel, Retrofit

Aperture

4", 6"

Ceiling Thickness

½" up to 1¾"

TRIMS

Available Trims

Beveled, Baffle

Trim Finish

White, Black

ELECTRICAL & CONTROLS

Input Voltage

120/277V

1% Dimming

TRIAC/ELV, 0-10V, Lutron EcoSystem

RATINGS

Housing Ratings

- ASTM E283 Certified Air Tight
 IC (Insulation Contact) Rated

Module Ratings

- UL Listed for Damp Location



PRODUCT BUILDER

CLASSIC HOUSING

PRODUCT CODE		APPLICATION		IC/NON-IC		APERTURE		DIMMING		OPTION	
DRDH	Housing	N	New Construction	IC	Insulation Contact	4	4" Aperture	[Blank]	Integrated TRIAC/ELV	[Blank]	None
		R	Remodel			4S	4" Shallow	-O	Integrated 0-10V	EM	Emergency Battery ⁴
						6	6" Aperture ¹	7O4	0-10V ² for EM, 750 lm		
								10O4	0-10V ² for EM, 1000 lm		
								10OW4	0-10V ² for EM, 1000 lm, Warm Dim		
								7C4	Lutron EcoSystem ³ , 750 lm		
								10C4	Lutron EcoSystem ³ , 1000 lm		
								10CW4	Lutron EcoSystem ³ , 1000 lm, Warm Dim		

DRD4 MODULE

PRODUCT CODE		LUMENS		CRI		CCT		BEAM SPREAD		FINISH		DIMMING	
DRD4M	Module	07	750 lm	9	93+ CRI	27	2700K	NS	Narrow Spot (15°) ⁶	[Blank]	Black	T	Integrated TRIAC/ELV
		10	1000 lm			30	3000K	SP	Spot (25°)	W	White		
						35	3500K	FL	Flood (40°)			O	Integrated 0-10V
						40	4000K	LS	Linear (60° x 30°)				
						3W	Warm Dim ⁵	SF	Soft Focus			A	Alternate for use with EM or Lutron EcoSystem

CLASSIC TRIM

PRODUCT CODE		SHAPE		APERTURE		STYLE		FINISH	
DRD2T	Trim	R	Round	4	4" Aperture	S	Beveled	WH	White
				5	5" Aperture ⁷	B	Baffle ⁸	BK	Black
				6	6" Aperture				

¹ Only available in Remodel construction

² Only available in Emergency Battery option

³ Lutron EcoSystem refers to LDE1 Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black™

⁴ Only available in 0-10V or Lutron EcoSystem dimming

⁵ Only available in 1000 lm

⁶ Not available in Warm Dim CCT

⁷ Only available for Retrofit

⁸ Only available in White finish

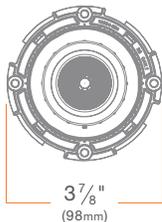
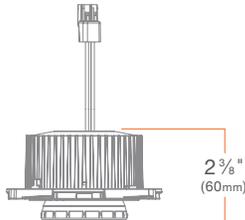


PRODUCT BUILDER

ACCESSORIES

PRODUCT CODE	
<input type="text"/>	
DRD4X-NS	Narrow Spot (15°)
DRD4X-SP	Spot (25°)
DRD4X-FL	Flood (40°)
DRD4X-LS	Linear Spread (60° x 30°)
DRD4X-SF	Soft Focus
DRD4X-OP	Optics Kit: Narrow Spot (15°), Spot (25°), Flood (40°), Linear Spread (60° x 30°), Soft Focus
DRD2X-QCM-ED	Edison Adapter
DRD2X-QCM-GU	GU-24 Adapter
DRD2X-QCM-M	PowerPlug® Luminaire Disconnect Male Adapter

MODULE



DRD4

Adjustable Downlight

DRD4M

SUMMARY

ADJUSTMENT: 360° directional aim, 45° tilt

SLOPE CEILING COMPATIBILITY: Up to 45°

LED CHIP: Cree

DELIVERED LUMENS (w Trim): 750 lm (9.7W), 1000 lm (12.0W)

EFFICACY: 82 lm/W

COLOR QUALITY: 93+ CRI, 2-step SDCM

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

BEAM SPREAD: Narrow Spot (15°), Spot (25°), Flood (40°), Linear Spread (60° x 30°), Soft Focus

CONNECTOR: PowerPlug® Luminaire Disconnect Model 182

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

DIMMING: Down to less than 1% for TRIAC/ELV at 120V, 0-10V or Lutron EcoSystem at 120/277V

MAX INPUT CURRENT (120V): 0.090 amps, 0.107 amps

MAX INPUT CURRENT (277V): 0.042 amps, 0.050 amps

POWER FACTOR: Greater than 0.9

TOTAL HARMONIC DISTORTION: Less than 20%

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 JA8 compliant, UL Listed for Damp Location, cULus Listed, Declare

LIFETIME: 50,000 hours at 70% lumen maintenance

WARRANTY: 5 year limited warranty

WARM DIM OPTION

LED: Bridgelux LED, **DELIVERED LUMENS (w Trim):** 1000 lm (12.0W),

EFFICACY: 83 lm/W, **CCT RANGE:** 3000K - 1800K, **MAX INPUT CURRENT (120V):** 0.11 amps, **MAX INPUT CURRENT (277V):** 0.047 amps

HOUSING



Classic Frames

New Construction

4" Aperture

DRDHN

SUMMARY

HOUSING: 18 ga. die-formed aluminum box fastened to 22 ga. steel mounting frame

JUNCTION BOX: Galvanized steel. Equipped with (6) 1/2" and (1) 3/4" knockouts with pryout slots to allow straight conduit runs. (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: Pre-installed adjustable bar hangers engineered to accommodate lumber, laminated beams and T-bar

CEILING: 1/2" up to 1"

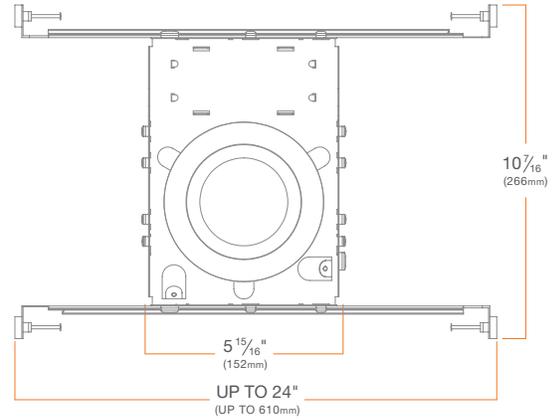
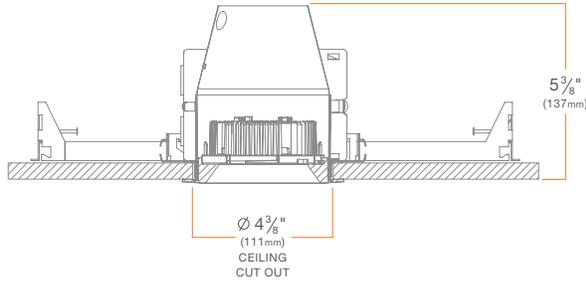
CUTOUT: 4 3/8"

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

WARRANTY: 1 year limited warranty

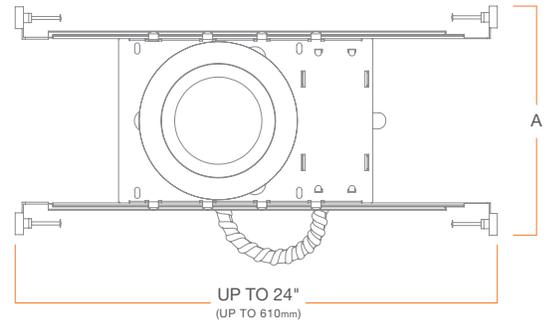
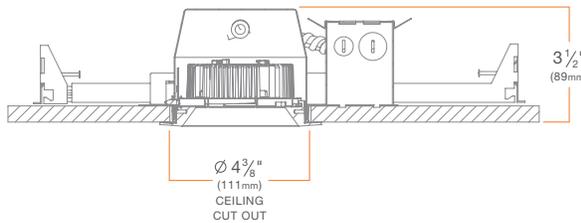
4" Housing

DRDHNIC4



4" Shallow Housing

DRDHNIC4S



DRDHNIC4S Measurements

A

Standard	7 1/4" [184 mm]
Alternate Dimming	12 1/4" [311 mm]

HOUSING



Classic Frames

Remodel

4", 6" Aperture

DRDHR

SUMMARY

HOUSING: Die-formed steel with powder coat finish (4" housing), 22 ga. die-formed aluminum (6" housing).

JUNCTION BOX: Galvanized steel. Equipped with (6) 1/2" and (1) 3/4" knockouts with pryout slots to allow straight conduit runs (4" housing), equipped with (5) 1/2" and (2) 3/4" knockouts with pryout slots to allow straight conduit runs (5", 6" housing). (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"

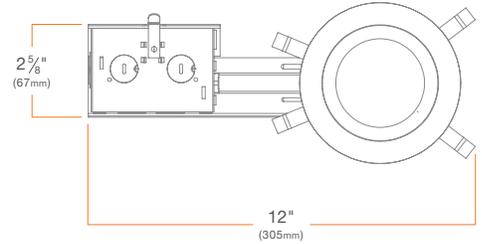
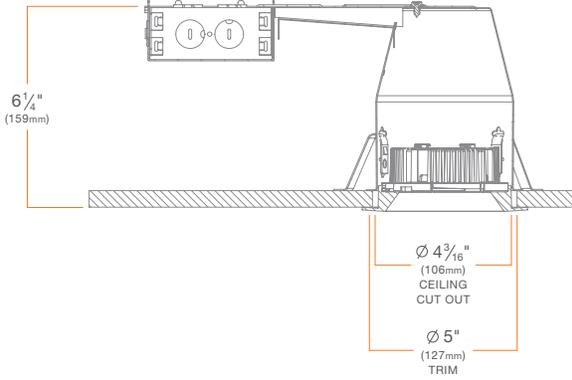
CUTOUT: 4 3/8" (4" housing), 6 3/8" (6" housing).

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

WARRANTY: 1 year limited warranty

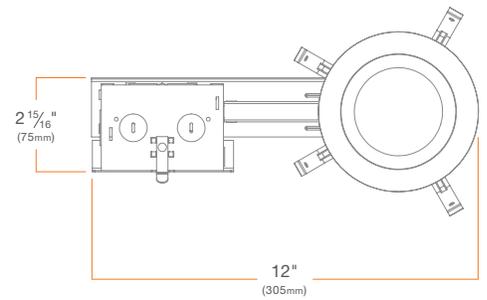
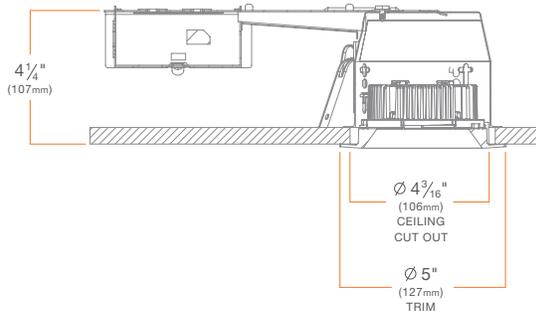
4" Housing

DRDHRIC4



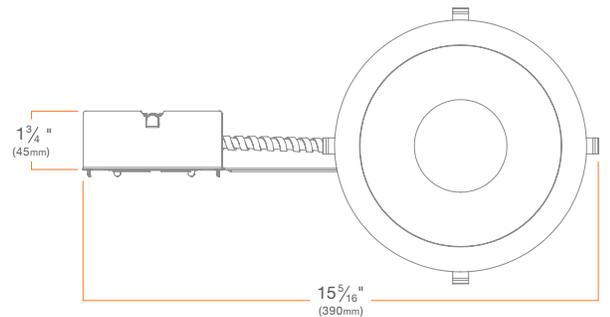
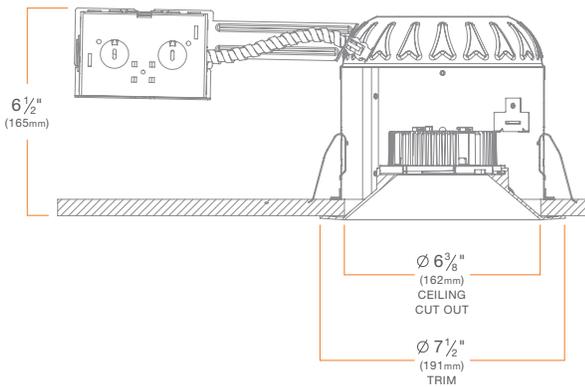
4" Shallow Housing

DRDHRIC4S



6" Housing

DRDHRIC6



TRIM



Classic Trims

4", 5", 6" Aperture

DRD2T

SUMMARY

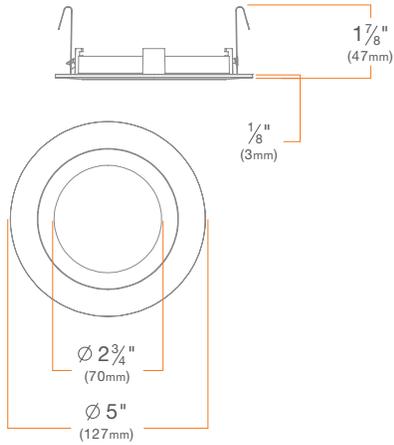
CONSTRUCTION: Die-cast aluminum

INSTALLATION: Twist & Lock

4" Round Trim

Beveled: **DRD2TR4SWH**

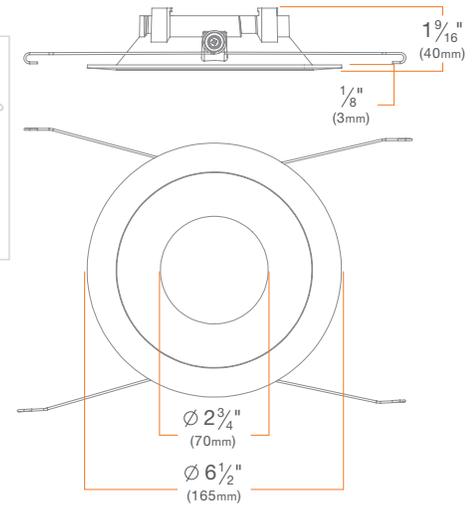
Baffle: **DRD2TR4BWH**



5" Round Trim

Beveled: **DRD2TR5SWH**

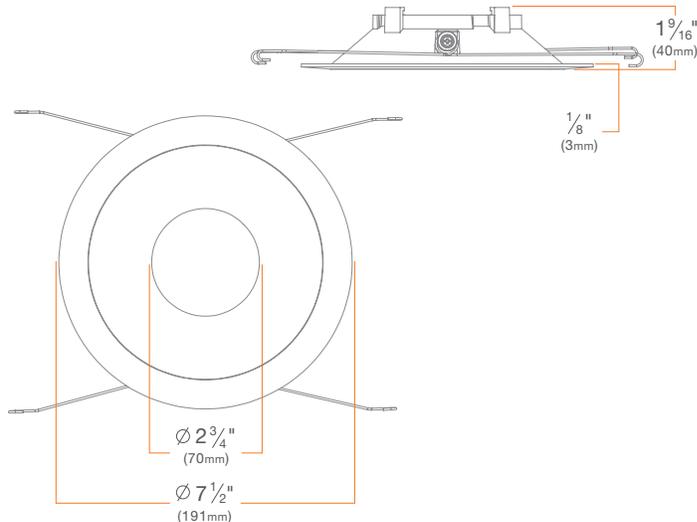
Baffle: **DRD2TR5BWH**



6" Round Trim

Beveled: **DRD2TR6SWH**

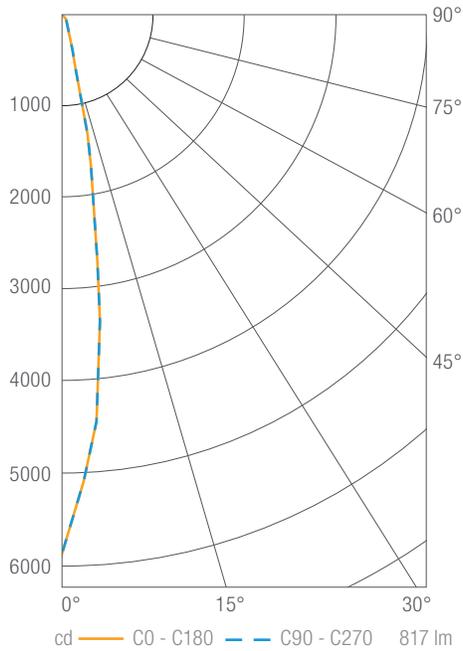
Baffle: **DRD2TR6BWH**



PHOTOMETRY

DRD4 750 lm, 3000K, Narrow Spot

DRD4M07930NS



Luminous Intensity

Gamma	C 0°
0°	5897
5°	4418
10°	1911
15°	561
20°	280
25°	165
30°	117
35°	87
40°	69
45°	57
50°	47
55°	38
60°	31
65°	23
70°	16
75°	10
80°	4
85°	1
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	645	79
0-40	701	86
0-60	781	96
0-90	817	100
0-180	817	100

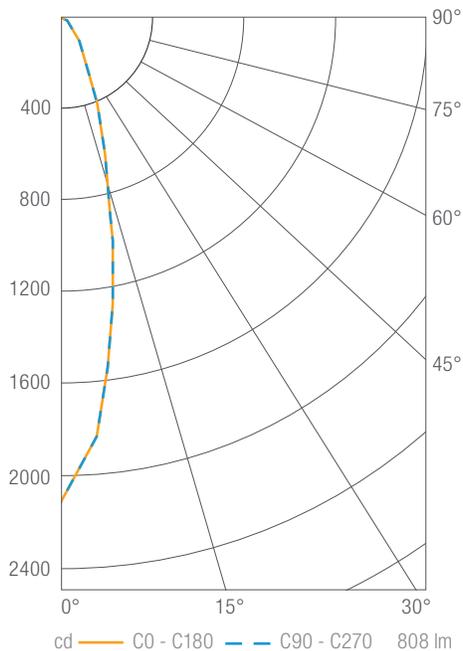
Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	655	0.8'
6'	164	1.7'
9'	73	2.5'
12'	41	3.3'

Beam Angle: 16°

DRD4 750 lm, 3000K, Spot

DRD4M07930SP



Luminous Intensity

Gamma	C 0°
0°	2105
5°	1826
10°	1282
15°	800
20°	497
25°	310
30°	201
35°	137
40°	98
45°	73
50°	57
55°	45
60°	35
65°	23
70°	12
75°	5
80°	3
85°	2
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	573	71
0-40	668	83
0-60	773	96
0-90	808	100
0-180	808	100

Illuminance Chart

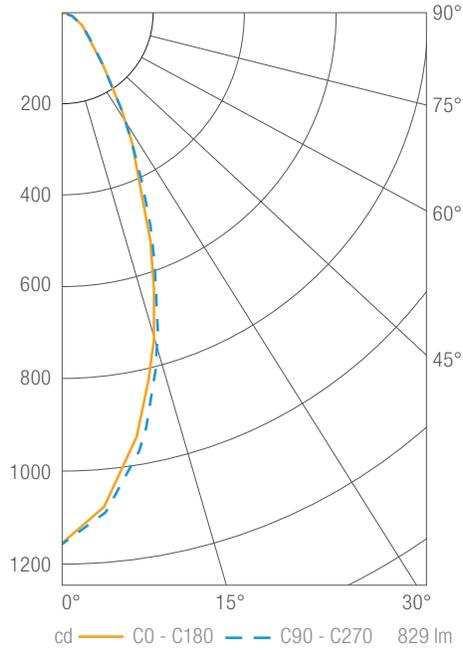
Distance from LED	Foot Candles	Diameter
3'	234	1.3'
6'	58	2.6'
9'	26	3.9'
12'	15	5.2'

Beam Angle: 28°

PHOTOMETRY

DRD4 750 lm, 3000K, Flood

DRD4M07930FL



Luminous Intensity

Gamma	C 0°
0°	1158
5°	1081
10°	941
15°	765
20°	576
25°	414
30°	288
35°	192
40°	130
45°	96
50°	76
55°	61
60°	49
65°	38
70°	28
75°	18
80°	10
85°	4
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	510	62
0-40	633	76
0-60	766	92
0-90	829	100
0-180	829	100

Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	129	2.2'
6'	32	4.5'
9'	14	6.7'
12'	8	9.0'

Beam Angle: 41°