

PHYSICAL

Application

New Construction, Poured Concrete, Alternate Dimming and/or Emergency Lighting

Aperture

4" Octagonal Deep Junction Box

Ceiling Thickness

1/2" up to 13/4"

TRIMS

Available Trims

Round, Square, Hyperbolic, Pinhole, Beveled Pinhole, Wall Wash, Decorative, Flangeless, Emergency

Trim Finish

White, Black, Silver, Custom

OPTICAL

Delivered Lumens

750 lm (10.8W), 1000 lm (12.8W)

Color Quality 93+ CRI, 2-step SDCM

Color Temperature



Wall Wash

Light Distribution

General

ELECTRICAL & CONTROLS

Input Voltage 120/277V

Dimming

TRIAC/ELV 5%, 0-10V, Lutron Hi-lume®

RATINGS

Housing Ratings

- (A) Code compliant for use in fire-rated assemblies up to a maximum of 2-hours
- (IIIC Sound Rated
- ASTM E283 Certified Air Tight
- IC (Insulation Contact) Rated

Module Ratings

4000K

(UL Listed for Wet Location

SPECIALTY OPTIONS

Warm Dim



Turtle Friendly

> 560 nm, 400 lm (12.0W)



Guarantee: 50,000 hrs., 5 years



PRODUCT BUILDER

HOUSING

PRODUC	T CODE	AP	PLICATION	APE	RTURE
DRDH	Housing	Ν	New Construction	JD	Deep Junction Box
				JC	Deep Junction Box, Concrete Tight

MODULE

PRODUCT	PRODUCT CODE		IENS	CF	RI	ССТ			
DRD2M	Module	7	750 lm	9	93+ CRI	27	2700K		
		10	1000 lm			30	3000K		
						35	3500K		
						40	4000K		
Worm Dir									

Warm Dim Option

DRD2M	Module	08	800 lm	9	93+ CRI	3W	3000K - 1800K
Turtle Frie	endly Option						
DRD2M	Module	04	400 lm	-	N/A	TF	Turtle Friendly Lighting

TRIM

PRODUC	T CODE	SHA	\PE	APE	RTURE	ST	YLE	FINIS	SH	OPTION	
DRD2T	Trim	R	Round	JD	Deep Junction Box	S	Standard	WH	White	[Blank]	None
		S	Square ¹			Н	Hyperbolic ^{2,3}	вк	Black	DOF	Decorative: Open, Frosted ^{2,3,4}
						Ρ	Pinhole ^{2,3}	SW	Silver Reflector, White Flange	DCF	Decorative: Closed, Frosted ^{2,3,4}
						В	Beveled Pinhole ^{2,3}	СС	Custom Color	DCC	Decorative: Closed, Clear, Frosted Side ^{2,3,4}
						W	Wall Wash ²			DCCF	Decorative: Closed, Clear, Frosted inside ^{2,3,4}
										FL	Flangeless ^{2,3,5}
										DF	Dead Front 2,3,4

DRDHX-MUD-FL

Flangeless Mud Plate (Required with Flangeless Trim)

¹ Only available in Standard or Wall Wash style

² Only available in White or Custom Color finish

³ Only available in Round shape

⁴ Only available in Standard style

⁵ Requires DRDHX-MUD-FL Mud Plate



PRODUCT BUILDER - Alternate Dimming and/or Emergency Lighting

HOUSING

PRODUC	CT CODE	AP	PLICATION	APE	RTURE	DRIVE	R	OPTION	
DRDH	Housing	N	New Construction	JD	Deep Junction Box	70	0-10V, 750 lm	[Blank]	None
						80W	0-10V, 800 lm	EM	EM Driver, Integrated Test Switch
						100	0-10V, 1000 lm	EMS	EM Driver, Remote Test Switch
						7C	Lutron LDE1 ¹ , 750 lm		
						8CW	Lutron LDE1 ¹ , 800 lm		
						10C	Lutron LDE1 ¹ , 1000 lm		
						7L	Lutron LTEA2W ² , 750 lm		
						8LW	Lutron LTEA2W ² , 800 lm		
						10L	Lutron LTEA2W ² , 1000 lm		

MODULE

PRODUCT	CODE	LUN	IENS	CR	81	CCT	-	DRI	VER
DRD2M	Module	7	750 lm	9	93+ CRI	27	2700K	A	Alternate
		10	1000 lm			30	3000K		
						35	3500K		
						40	4000K		

DRD2M	Module	80	800 lm	9	93+ CRI	3W	3000K - 1800K	Α	Alternate

Turtle Friendly Option

DRD2M	Module	04	400 lm	-	N/A	TF	Turtle Friendly Lighting	Α	Alternate
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TRIM

PRODUC	T CODE	SH	APE	APE	RTURE	STY	YLE	FINIS	H	OPTION	
DRD2T	Trim	R	Round	JD	Deep Junction Box	S	Standard	WН	White	[Blank]	None
		S	Square ³			н	Hyperbolic ⁴	BK	Black	DOF	Decorative: Open, Frosted ^{5,6}
						Ρ	Pinhole ⁴	SW	Silver Reflector, White Flange	DCF	Decorative: Closed, Frosted 5,6
						В	Beveled Pinhole ⁴	сс	Custom Color	DCC	Decorative: Closed, Clear, Frosted Side ^{5,6}
						W	Wall Wash ⁴			DCCF	Decorative: Closed, Clear, Frosted Inside ^{5,6}
										FL	Flangeless ^{4,5,7}
										DF	Dead Front 4,5,6
										EM	Emergency ^{4,5,6}

DRDHX-MUD-FL Flangeless Mud Plate (Required for Flangeless Trim)

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

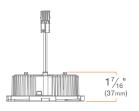
³ Only available in Standard or Wall Wash style ⁴ Only available in White or Custom Color finish ⁵ Only available in Round shape

⁶ Only available in Standard style 7 Requires DRDHX-MUD-FL Mud Plate

² Lutron LTEA2W refers to Lutron Hi-lume 1% 2-wire LED driver, 120V only

MODULE







DRD2

General LED Module
DRD2M

SUMMARY

LED: Cree® LED

DELIVERED LUMENS (w Trim): 750 lm (10.8W), 1000 lm (12.8W)

EFFICACY: 80 lm/W, 85 lm/W

COLOR QUALITY: 93+ CRI, 2-step SDCM

сст: 2700К, 3000К, 3500К, 4000К

CONNECTOR: PowerPlug® Luminaire Disconnect Model 182

DIMMING: Down to less than 5% for TRIAC/ELV at 120V

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

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 Wet Location (flanged trims only), cULus Listed

LIFETIME: 50,000 hours at 70% lumen maintenance

WARRANTY: 5 year limited warranty

WARM DIM OPTION

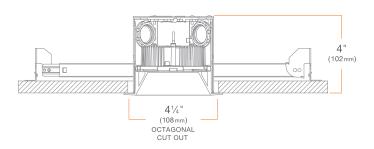
LED: Bridgelux LED, DELIVERED LUMENS (w Trim): 800 lm (12.0W), EFFICACY: 70 lm/W, CCT RANGE: 3000K - 1800K, MAX INPUT CURRENT (120V): 0.11 amps, MAX INPUT CURRENT (277V): 0.047 amps

TURTLE FRIENDLY OPTION

LED: Cree® Red-Orange LED (no color filter), DELIVERED LUMENS (w Trim): 400 lm (12.0W), WAVELENGTH: > 560 nm, MAX INPUT CURRENT (120V): 0.11 amps, MAX INPUT CURRENT (277V): 0.047 amps

HOUSING





OneFrame

New Construction Deep Junction Box **DRDHNJD**

SUMMARY

JUNCTION BOX: Equipped with (8) trade size knockouts (four concentric side $({}^{3}\!/_{"} + {}^{1}\!/_{2}")$, two concentric top $({}^{3}\!/_{"} + {}^{1}\!/_{2}")$, two ${}^{1}\!/_{2}"$ top) and (4) Romex knockouts (top) to allow straight conduit runs. Approved for 8 (four in, four out) #12 AWG 70°C.

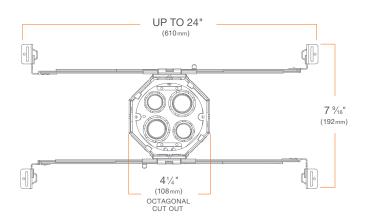
MOUNTING: Pre-installed mounting brackets allow vertical adjustment of bar hangers up to 1".

CEILING: 1/2" up to 1 3/4"

CUTOUT: 4 1/4" (108mm) octagonal opening

LISTINGS: Metallic outlet box certified UL514A, code compliant for use in appropriate fire-rated assemblies for up to 2-hours, STC/IIC Sound Rated, ASTM E283 certified Air Tight, IC (Insulation Contact) rated

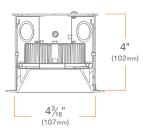
WARRANTY: 5 year limited warranty

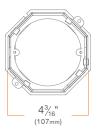




HOUSING - Concrete Tight







OneFrame

Concrete Tight Deep Junction Box **DRDHNJC**

- Designed for high rise structures that require steel and concrete for reinforcement
- Features spot-welded areas and adaptations for poured concrete applications

SUMMARY

JUNCTION BOX: Equipped with (4) trade size concentric knockouts (34" + 12") to allow straight conduit runs. Approved for 8 (four in, four out) #12 AWG 90°C.

MOUNTING: (2) external tabs for wood, steel or concrete form mounting

COVER: Removable top cover for easy access to electrical wiring work prior to concrete pour

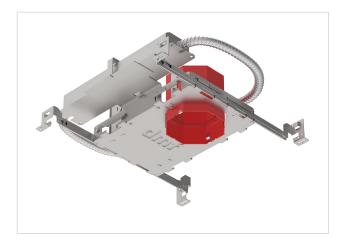
APPLICATION: Poured deck (floor) high-rise new construction

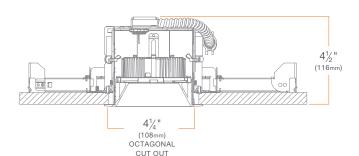
LISTINGS: Metallic outlet box certified UL514A, concrete tight, code compliant for use in appropriate fire-rated assemblies for up to 2-hours, STC/IIC Sound Rated, ASTM E283 certified Air Tight

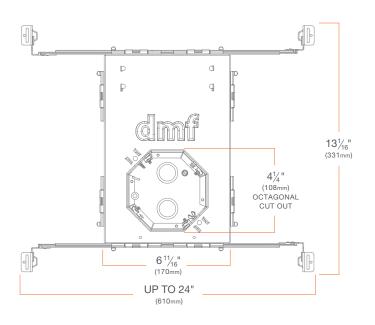
WARRANTY: 5 year limited warranty



HOUSING - Alternate Dimming and/or Emergency Lighting







OneFrame

Alternate Dimming and/or Emergency Lighting Deep Junction Box DRDHNJD

- Offers enhanced dimming protocol compatibility including 0-10V and Lutron Hi-Lume[®] 1%
- Can provide lighting for more than 90 minutes after power failure - enough to meet common safety regulations like NFPA 101

SUMMARY

JUNCTION BOX: Equipped with (2) trade size concentric top knockouts $(\frac{3}{4} + \frac{1}{2})$ to allow straight conduit runs. Approved for 2 (one in, one out) #12 AWG 70°C.

MOUNTING: Pre-installed mounting brackets allow vertical adjustment of bar hangers up to 1".

CEILING: 1/2" up to 1 3/4"

CUTOUT: 4 1/4" (108mm) octagonal opening

LISTINGS: Metallic outlet box certified UL514A, code compliant for use in appropriate fire-rated assemblies for up to 2-hours, STC/IIC Sound Rated, ASTM E283 certified Air Tight, IC (Insulation Contact) rated

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

MAX INPUT CURRENT (120V): 0.090 amps (750 lm), 0.107 amps (1000 lm), 0.11 amps (800 lm Warm Dim)

MAX INPUT CURRENT (277V): 0.042 amps (750 lm), 0.050 amps (1000 lm), 0.047 amps (800 lm Warm Dim)

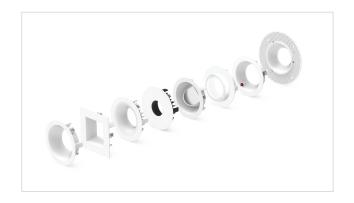
POWER FACTOR: Greater than 0.9

TOTAL HARMONIC DISTORTION: Less than 20%

WARRANTY: 5 year limited warranty



TRIM



OneFrame Trims

Recessed LED Downlight Trims **DRD2T**

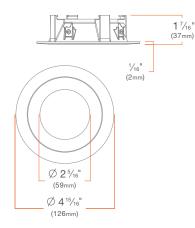
SUMMARY

CONSTRUCTION: Die-cast aluminum **INSTALLATION:** Twist & Lock (flanged trims only)

Round Trim

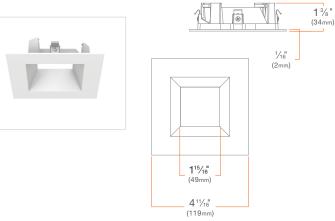
DRD2TRJDSWH





Square Trim

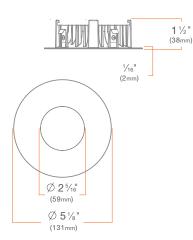
DRD2TSJDSWH



DRD2TRJDHWH

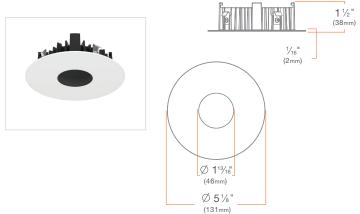
Hyperbolic Trim





Pinhole Trim

DRD2TRJDPWH





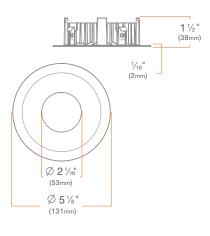
DRD2 & OneFrame

General Recessed LED Downlight

Beveled Pinhole Trim

DRD2TRJDBWH

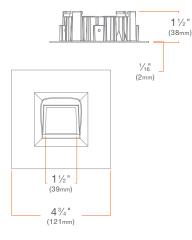




Square Wall Wash Trim

Square: DRD2TSJDWWH

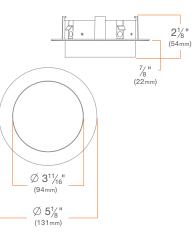




Decorative Closed Trim

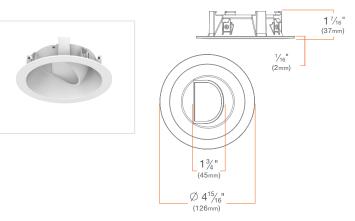
Frosted: DRD2TRJDSWHDCF Clear, Frosted Inside: DRD2TRJDSWHDCC Clear, Frosted Sides: DRD2TRJDSWHDCCF





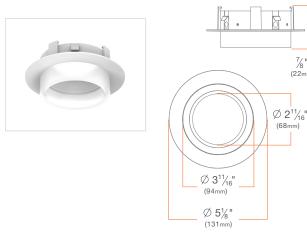
Round Wall Wash Trim

Round: DRD2TRJDWWH



Decorative Open Trim

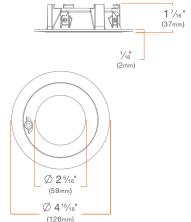
Frosted: DRD2TRJDSWHDOF



Emergency Trim

DRD2TRJDSWHEM





21/8"

(54mm)

⁷/8 "

(22mm)



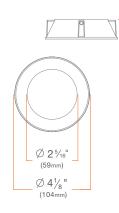
DRD2 & OneFrame

General Recessed LED Downlight

Round Flangeless Trim Insert

DRD2TRJDSWHFL

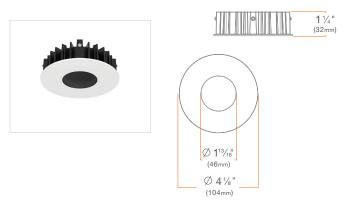




1 ¹/₈ " (28mm)

Pinhole Flangeless Trim Insert

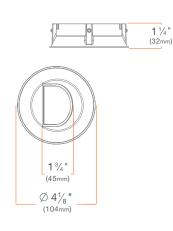
DRD2TRJDPWHFL



Round Wall Wash Flangeless Trim Insert

DRD2TRJDWWHFL



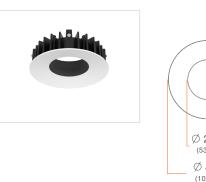


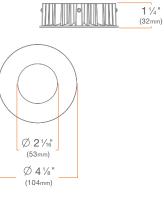
Hyperbolic Flangeless Trim Insert



Beveled Pinhole Flangeless Trim Insert

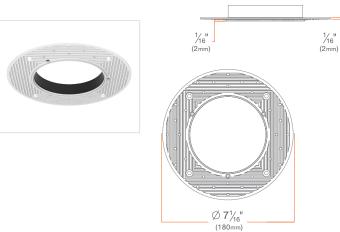
DRD2TRJDBWHFL





Flangeless Mud Plate

DRDHX-MUD-FL



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 dmflighting.com

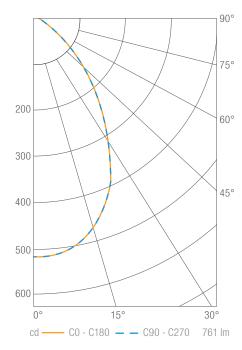
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dmf

PHOTOMETRY

DRD2 750 lm, 3000K DRD2M7930 / Round Trim White DRD2TRJDSWH



Luminou	s Intensity			
Gamma	C 0°			
0°	518			
5°	516			
10°	506			
15°	484			
20°	447			
25°	398			
30°	335			
35°	263			
40°	196			
45°	147			
50°	110			
55°	79			
60°	54			
65°	36			
70°	23			
75°	14			
80°	9			
85°	5			
90°	2			

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	361	48
0-40	526	69
0-60	706	93
0-90	761	100
0-180	761	100

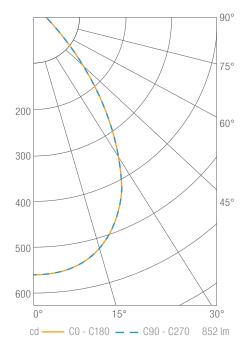
Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	58	4.2'
6'	14	8.5'
9'	6	12.7'
12'	4	16.6'

Beam Angle: 70°

Values in candela

DRD2 - Warm Dim 800 lm, 3000K DRD2M0893W / Round Trim White DRD2TRJDSWH



Luminous Intensity Gamma C 0° 0° 559 5° 556 10° 546 15° 527 20° 494 25° 445 30° 379 35° 297 216 40° 45° 158 50° 120 55° 89 60° 59 65° 37 70° 24 75° 16 80° 10 85° 4 90° 0 Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %		
0-30	404	47		
0-40	588	69		
0-60	792	93		
0-90	852	100		
0-180	852	100		

Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	62	4.4'
6'	16	8.7'
9'	7	13.1'
12'	4	17.4'

DRD2M7935 (3500K)

1.00

Beam Angle: 72°

DRD2M7930 (3000K)

1.00

Lumen Scaling

DRD2M7 (750 lm)	DRD2M10 (1000 lm)	DRD2M7927 (2700K)
1.00	1.33	0.93

DMF LIGHTING 1118 E. 223rd St. Carson, CA 90745 800.441.4422 info@dmflighting.com

CCT Scaling

DRD2M7940 (4000K)

1.07

DIMMER COMPATIBILITY

Recommended Phase-control Dimmers (Dims down to 5% nominal measured light output)

Brand	Series	Model Number	Max Load DRD2M7	Max Load DRD2M10
Control 4	Control 4	C4-APD120	10	9
Cooper	Decorator	DLC03P, DAL06P	25	20
Legrand	Adorne	ADTP703TU	35	30
	Caseta	PD-6WCL	12	10
	CL Series	AYCL-153, CTCL-153, DVCL-153, LGCL-513, SCL-153, TGCL-513	12	10
	CL Series	AYCL-253, DVCL-253	20	15
	Grafik Eye 3000	QSGR-3P	30	25
Lutron	Grafik Sys / Homeworks	RPM-4A	25	20
	Grafik Sys / Homeworks	RPM-4U	30	25
	Maestro CL	MACL-153M, MSCL-OP153M, MSCL-VP153M	12	10
	Maestro Wireless	MRF2-6ELV, MRF2-6CL	12	10
	Radio RA	RRD-6NA, RRD-6CL, RRD-6D	12	10

Compatible Phase-control Dimmers¹ (Dims down to 20% nominal measured light output)

Brand	Series	Model Number	Max Load DRD2M7	Max Load DRD2M10
Cooper	Slide	SLC03P, SAL06P	25	20
Legrand	Harmony	H703PTU, HCL453P	30	25
1	IllumaTech Slide	IPE04	25	20
Leviton	SureSlide	6621, 6674	10	10
	Diva	DV-600	12	10
	Maestro	MA-600	12	9
	Maestro ELV	MAELV-600, MSCELV-600	35	30
Lutron	Maestro Wireless	MRF2-6ND	12	10
	Power Booster	PHPM-PA, PHPM-WBX	25	20
Philips	Sunrise	SR400RPC120, ZP260QEW	20	15
	Digital Light Management	LMRC-221	160	150
Watt Stopper	Dimming Sensor	PW-100D	14	12

¹ Dimmer compatibility reflects performance compatibility only. Please reference your local codes for application.

DIMMER COMPATIBILITY

Recommended Phase-control Dimmers - Warm Dim (Dims down to 5% nominal measured light output)

Brand	Series	Model Number	Max Load
0	Decorator	DAL06P, DLC03P	20
Cooper	Slide	SLC03P	20
Leviton	Sure Slide	6621, 6631	10
	Diva CL	DVCL-153P	10
	Diva CL	DVCL-253P	15
	Grafik	GTJ-150-WH	10
	Maestro	MRF2-6ND	10
Lutron	Maestro CL	MACL-153	10
	Maestro CL	MA-PRO-WH	15
	Maestro CL	MACL-153M, MSCL-0P153M, MSCL-VP153M	10
	Radio RA	RRD-6NA, RRD-6ND	10
	Skylark	SELV-300P	20

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

Brand	Series	Model Number	Max Load DRD2M7	Max Load DRD2M10
Legrand	Titan	CD4FB	80	65
Leviton	IllumaTech	IP710-DLZ	40	30
Lithonia	Synergy	ISD BC	35	30
	Diva	DVTV	60	50
Luture	Nova	NFTV	60	50
Lutron	Nova	NTSTV-DV	60	50
	PowPak	RMJ-5T-DV	60	50