

### 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 <sup>1</sup>			Н	Hyperbolic <sup>2,3</sup>	вк	Black	DOF	Decorative: Open, Frosted <sup>2,3,4</sup>
						Ρ	Pinhole <sup>2,3</sup>	SW	Silver Reflector, White Flange	DCF	Decorative: Closed, Frosted <sup>2,3,4</sup>
						В	Beveled Pinhole <sup>2,3</sup>	СС	Custom Color	DCC	Decorative: Closed, Clear, Frosted Side <sup>2,3,4</sup>
						W	Wall Wash <sup>2</sup>			DCCF	Decorative: Closed, Clear, Frosted inside <sup>2,3,4</sup>
										FL	Flangeless <sup>2,3,5</sup>
										DF	Dead Front 2,3,4

DRDHX-MUD-FL

Flangeless Mud Plate (Required with Flangeless Trim)

<sup>1</sup> Only available in Standard or Wall Wash style

<sup>2</sup> Only available in White or Custom Color finish

<sup>3</sup> Only available in Round shape

<sup>4</sup> Only available in Standard style

<sup>5</sup> 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 <sup>1</sup> , 750 lm		
						8CW	Lutron LDE1 <sup>1</sup> , 800 lm		
						10C	Lutron LDE1 <sup>1</sup> , 1000 lm		
						7L	Lutron LTEA2W <sup>2</sup> , 750 lm		
						8LW	Lutron LTEA2W <sup>2</sup> , 800 lm		
						10L	Lutron LTEA2W <sup>2</sup> , 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 <sup>3</sup>			н	Hyperbolic <sup>4</sup>	BK	Black	DOF	Decorative: Open, Frosted <sup>5,6</sup>
						Ρ	Pinhole <sup>4</sup>	SW	Silver Reflector, White Flange	DCF	Decorative: Closed, Frosted 5,6
						В	Beveled Pinhole <sup>4</sup>	сс	Custom Color	DCC	Decorative: Closed, Clear, Frosted Side <sup>5,6</sup>
						W	Wall Wash <sup>4</sup>			DCCF	Decorative: Closed, Clear, Frosted Inside <sup>5,6</sup>
										FL	Flangeless <sup>4,5,7</sup>
										DF	Dead Front 4,5,6
										EM	Emergency <sup>4,5,6</sup>

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

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

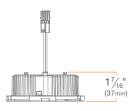
<sup>3</sup> Only available in Standard or Wall Wash style <sup>4</sup> Only available in White or Custom Color finish <sup>5</sup> Only available in Round shape

<sup>6</sup> Only available in Standard style 7 Requires DRDHX-MUD-FL Mud Plate

<sup>2</sup> 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<sup>®</sup> 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

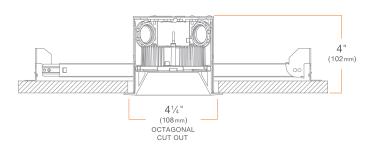
LED: Bridgelux LED, DELIVERED LUMENS (w Trim): 800 lm (12.0W), EFFICACY: 70 lm/W, CCT RANGE: 3000K - 1800K, MAX INPUT CURRENT (120V): 0.11 amps, MAX INPUT CURRENT (277V): 0.047 amps

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.

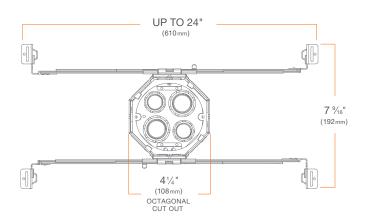
**MOUNTING:** Pre-installed mounting brackets allow vertical adjustment of bar hangers up to 1".

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

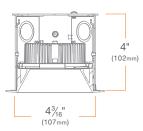
WARRANTY: 5 year limited warranty

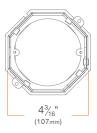




# HOUSING - Concrete Tight







# **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

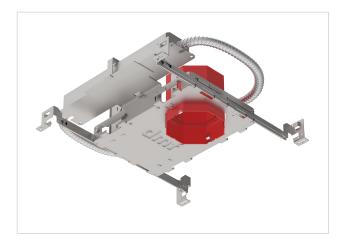
APPLICATION: Poured deck (floor) high-rise new construction

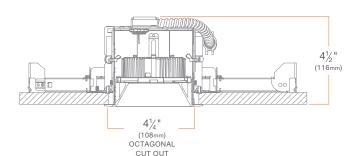
**LISTINGS:** Metallic outlet box certified UL514A, concrete tight, code compliant for use in appropriate fire-rated assemblies for up to 2-hours, STC/IIC Sound Rated, ASTM E283 certified Air Tight

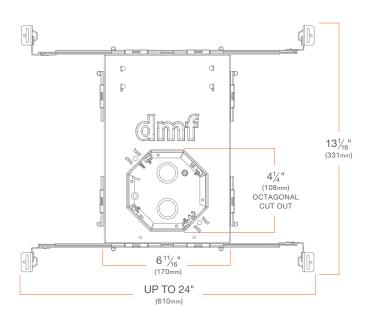
**WARRANTY:** 5 year limited warranty



# 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<sup>®</sup> 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** 

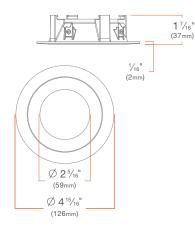
### SUMMARY

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

# **Round Trim**

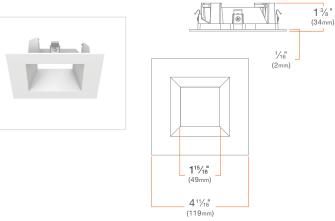
### DRD2TRJDSWH





# Square Trim

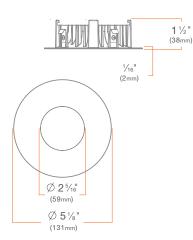
### DRD2TSJDSWH



### DRD2TRJDHWH

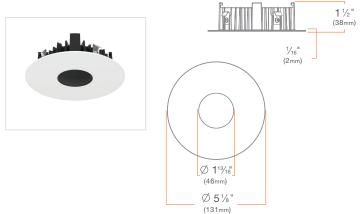
**Hyperbolic Trim** 





# **Pinhole Trim**

### **DRD2TRJDPWH**





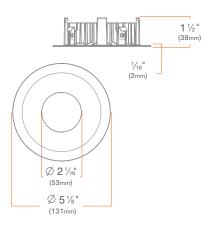
# **DRD2 & OneFrame**

General Recessed LED Downlight

## **Beveled Pinhole Trim**

### **DRD2TRJDBWH**

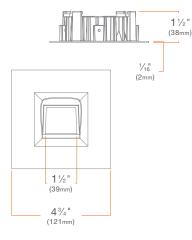




# **Square Wall Wash Trim**

### Square: DRD2TSJDWWH

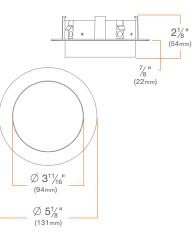




## **Decorative Closed Trim**

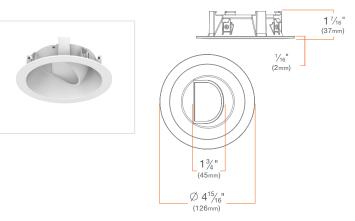
### Frosted: DRD2TRJDSWHDCF Clear, Frosted Inside: DRD2TRJDSWHDCC Clear, Frosted Sides: DRD2TRJDSWHDCCF





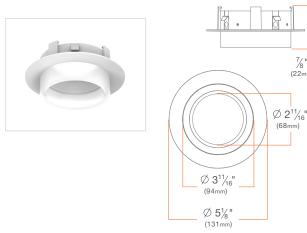
## **Round Wall Wash Trim**

### Round: DRD2TRJDWWH



# **Decorative Open Trim**

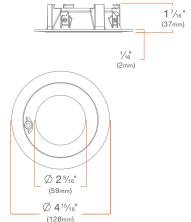
### Frosted: DRD2TRJDSWHDOF



# **Emergency Trim**

### **DRD2TRJDSWHEM**





21/8"

(54mm)

<sup>7</sup>/8 "

(22mm)



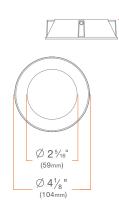
# **DRD2 & OneFrame**

General Recessed LED Downlight

### **Round Flangeless Trim Insert**

### DRD2TRJDSWHFL

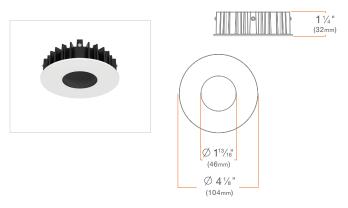




**1** <sup>1</sup>/<sub>8</sub> " (28mm)

# **Pinhole Flangeless Trim Insert**

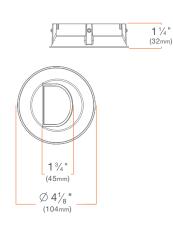
DRD2TRJDPWHFL



# **Round Wall Wash Flangeless Trim Insert**

### DRD2TRJDWWHFL



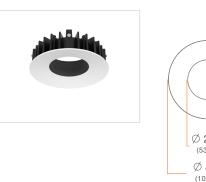


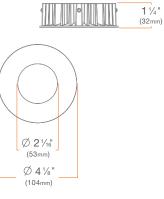
## Hyperbolic Flangeless Trim Insert



# **Beveled Pinhole Flangeless Trim Insert**

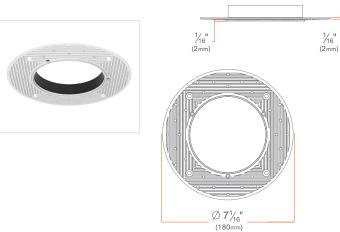
DRD2TRJDBWHFL





# **Flangeless Mud Plate**

### DRDHX-MUD-FL



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

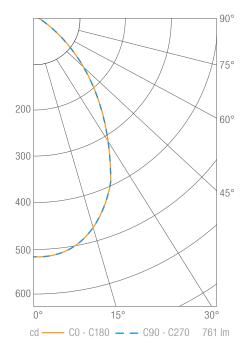
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# dmf

# 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

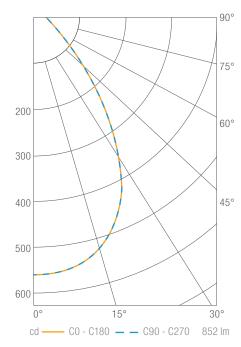
### Illuminance Chart

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 Dimmers<sup>1</sup> (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

<sup>1</sup> 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