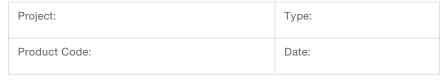
## Adjustable Downlighting System

**New Construction** Square Junction Box



V051822



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



4000K



Warm Dim (3000-1800K)

### **Beam Spread**

Narrow Spot (15°)



Linear (60° x 30°)

Spot (25°)



Soft Focus



Flood (40°)

#### **PHYSICAL**

#### **Application**

**New Construction** 

#### **Aperture**

4" Square Deep Junction Box

## **Ceiling Thickness**

1/2" up to 13/4"

#### **TRIMS**

#### **Available Trims**

Round on Square, Pinhole, Beveled Pinhole, Flangeless

#### **Trim Finish**

White, Black, Silver, Custom

#### **ELECTRICAL & CONTROLS**

### **Input Voltage**

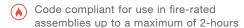
120/277V

#### 1% Dimming

TRIAC/ELV, 0-10V, Lutron EcoSystem

## **RATINGS**

#### **Housing Ratings**



STC/IIC Sound Rated



IC (Insulation Contact) Rated

#### **Module Ratings**

UL Listed for Damp Location

















Adjustable Downlighting System

## PRODUCT BUILDER

### **SQUAREFRAME HOUSING**

PRODUC	CT CODE	AP	PLICATION	APE	RTURE	DIMMING		OPTION	
DRDH	Housing	N	New Construction	JS	Square Junction Box	[Blank]	Integrated	[Blank]	None
						704	0-10V <sup>1</sup> , 750 lm	EM	Emergency Battery <sup>3</sup> , Integrated Test Switch
						1004	0-10V <sup>1</sup> , 1000 lm	EMS	Emergency Battery <sup>3</sup> , Remote Test Switch
						100W4	0-10V <sup>1</sup> , 1000 lm, Warm Dim		
						7C4	Lutron EcoSystem <sup>2</sup> , 750 lm		
						10C4	Lutron EcoSystem <sup>2</sup> , 1000 lm		
						10CW4	Lutron EcoSystem <sup>2</sup> , 1000 lm, Warm Dim		

#### **DRD4 MODULE**

PRODUCT	CODE	LUM	IENS	CF	RI	ССТ		BEAN	/ SPREAD	FINISH		DIN	MMING
DRD4M	Module	07	750 lm	9	93+ CRI	27	2700K	NS	Narrow Spot (15°)5	[Blank]	Black	Т	Integrated
		10	1000 lm			30	3000K	SP	Spot (25°)	W	White		TRIAC/ELV
						35	3500K	FL	Flood (40°)			0	Integrated
						40	4000K	LS	Linear (60° x 30°)				0-10V
						3W	Warm Dim <sup>4</sup>	SF	Soft Focus			Α	Alternate
													for use with EM or Lutron EcoSystem

## **SQUAREFRAME TRIM**

PRODUC	T CODE	SH	APE	APE	RTURE	ST	YLE	FINIS	BH	OPTION	
DRD2T	Trim	s	Square	JS	Square Junction Box	Q	Round on Square	WH	White	[Blank]	None
						Р	Pinhole <sup>6</sup>	вк	Black	FL	Flangeless 6,7
						В	Beveled Pinhole <sup>6</sup>	sw	Silver Reflector, White Flange		
								СС	Custom Color		

DRDHX-MUD-SFL Flangeless Mud Plate (Required with Flangeless Trim)

<sup>&</sup>lt;sup>1</sup> Only available in Emergency Battery option

<sup>&</sup>lt;sup>2</sup> Lutron EcoSystem refers to LDE1 Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black™

<sup>&</sup>lt;sup>3</sup> Only available in 0-10V or Lutron EcoSystem dimming

<sup>&</sup>lt;sup>4</sup> Only available in 1000 lm

<sup>&</sup>lt;sup>5</sup> Not available in Warm Dim CCT

<sup>&</sup>lt;sup>6</sup> Only available in White or Custom Color finish

<sup>&</sup>lt;sup>7</sup> Requires DRDHX-MUD-SFL Mud Plate



Adjustable Downlighting System

## **PRODUCT BUILDER**

## **OPTICS ACCESSORIES**

PRODUCT CODE					
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				







## **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

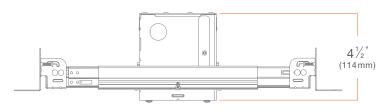
LED: Bridgelux LED, DELIVERED LUMENS (w Trim): 1000 lm (12.0W), EFFICACY: 83 lm/W, CCT RANGE: 3000K - 1800K, MAX INPUT CURRENT (120V): 0.11 amps, MAX INPUT CURRENT (277V): 0.047 amps

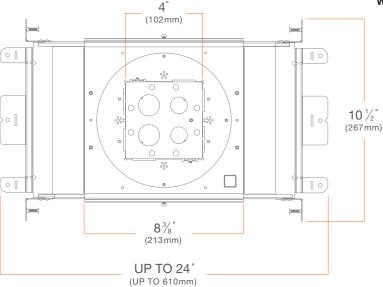
<sup>\*</sup>Excludes Pinhole Trims



### HOUSING







# **SquareFrame**

New Construction
Deep Square Junction Box
DRDHNJS

### **SUMMARY**

JUNCTION BOX: Equipped with (8) trade size knockouts (four (½") side, two (¾") top, two (½") top) and (4) Romex knockouts (side) 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) square opening

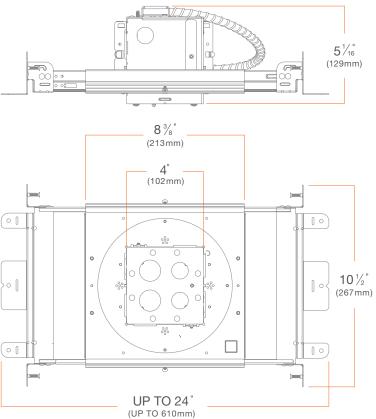
**LISTINGS:** Metallic outlet box certified UL514A, code compliant for use in appropriate fire-rated assemblies for up to 2-hours, STC/IIC Sound Rated, ASTM E283 certified Air Tight, IC (Insulation Contact) rated

WARRANTY: 5 year limited warranty



## **HOUSING - Emergency Lighting or Lutron EcoSystem Dimming**





# **SquareFrame**

Emergency Lighting or Lutron EcoSystem Dimming Deep Square Junction Box

## **DRDHNJS**

 Offers compatible dimming with Emergency Lighting or Lutron EcoSystem Hi-Lume® 1% protocol

### **SUMMARY**

**JUNCTION BOX:** Equipped with (8) trade size knockouts (four  $(\frac{1}{2})$  side, two  $(\frac{3}{4})$  top, two  $(\frac{1}{2})$  top) and (4) Romex knockouts (side) 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) square 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 (1000 lm Warm Dim)

MAX INPUT CURRENT (277V): 0.042 amps (750 lm), 0.050 amps

(1000 lm), 0.047 amps (1000 lm Warm Dim)

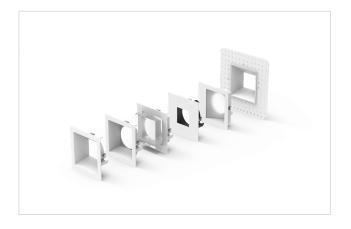
POWER FACTOR: Greater than 0.9

TOTAL HARMONIC DISTORTION: Less than 20%

**WARRANTY:** 5 year limited warranty



## **TRIM**



# **SquareFrame Trims**

Recessed LED Downlight Trims DRD2T

## **SUMMARY**

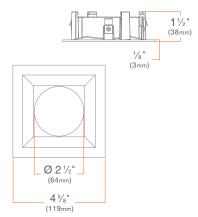
**CONSTRUCTION:** Die-cast aluminum

INSTALLATION: Twist & Lock (flanged trims only)

## **Round on Square Trim**

### **DRD2TSJSQWH**

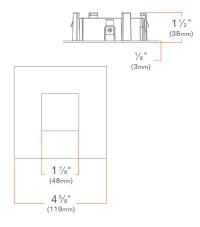




## **Pinhole Trim**

## **DRD2TSJSPWH**

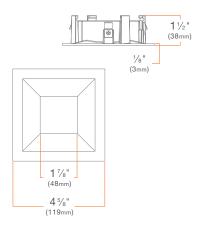




## **Beveled Pinhole Trim**

## **DRD2TSJSBWH**





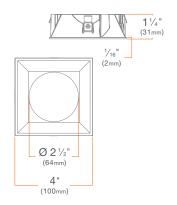


Adjustable Downlighting System

## **Round on Square Flangeless Trim Insert**

## DRD2TSJSQWHFL

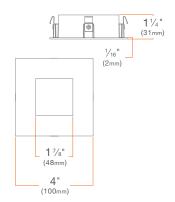




## **Pinhole Flangeless Trim Insert**

## DRD2TSJSPWHFL

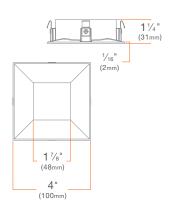




## **Beveled Pinhole Flangeless Trim Insert**

### DRD2TSJSBWHFL

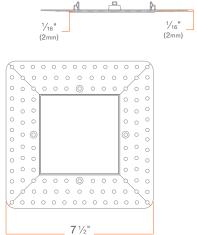




## Flangeless Mud Plate

## DRDHX-MUD-SFL





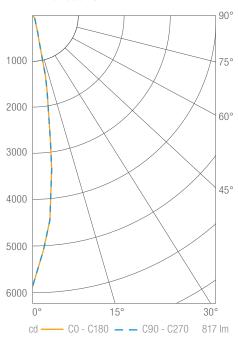
(190mm)



## **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

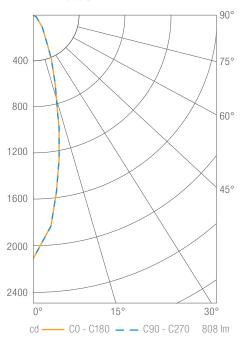
### Illuminance Chart

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
5⁰	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'

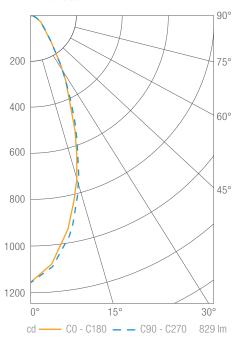
Beam Angle: 28°



## **PHOTOMETRY**

## DRD4 750 lm, 3000K, Flood

## DRD4M07930FL



## Luminous Intensity

Gamma	C O°
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°