

M Series + DRD4

Project:	Type:
Product Code:	Date:

V102023



4" Square Adjustable

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

Quick Install Integrated driver and plug-and-play connection require no wiring

High Performance Precise lighting control without sacrificing stellar efficiency

Enhanced Dimming Smooth, Flicker-free dimming options down to 0.1%

INSTALLATION

Ceiling Thickness

New Construction: 1/2" up to 1 3/4"

Remodel: 5/8" up to 1 1/4"

Ceiling Material

Drywall, Millwork

TRIMS

Aperture

4"

Shape

Square

Style

Beveled, Pinhole, Flangeless

Finish

White, Black, Bronze, Clear Diffused, Warm Diffused, Custom

LIGHT OUTPUT & DISTRIBUTION

Module

Adjustable

Adjustment

360° direction aim, 45° tilt

Lumens (Power)

750 lm (9.5W), 1000 lm (12.5W)

Color Quality

93+ CRI, 2-step SDCM

Color Temperature

- 2700K
- 3000K
- 3500K
- 4000K
- Warm Dim (3000K–1800K)
- Tunable White (4000K–1800K)
- Tunable White (6500K–2700K)

Beam Spread

- Narrow Spot (15°)
- Soft Focus
- Spot (25°)
- Linear Spread
- Flood (40°)

Specialty Lens

- Hexcell Louver

POWER & CONTROLS

Input Voltage

120/277V

Dimming

0-10V (1%), Triac/ELV (1%), EcoSystem (1%)
DALI-2 (0.1%)

RATINGS & CERTIFICATIONS

Housing

- IC (Insulation Contact) Rated
- ASTM E283 Certified Air Tight
- Code compliant for use in fire-rated assemblies up to a maximum of 2-hours
- STC/IIC Sound Rated
- Chicago Plenum
- RoHS Compliant

Module and Trim

- UL Listed for Damp Location
- NSF Listed (White and Black Finish Only)

Warranty

5 year limited warranty; 50,000 hours



PRODUCT BUILDER - INTEGRATED TRIAC/ELV, 0-10V, & DALI-2

M SERIES HOUSING

PRODUCT CODE		INSTALLATION		SHAPE		RATING	
<input type="text"/>		<input type="text"/>		<input type="text"/>		<input type="text"/>	
M4	4" Housing	NC	New Construction	S	Square	S	Standard
		CP	Chicago Plenum ¹			F	Fire Rated
		LT	Low Profile, TRIAC/ELV (3" Plenum)				
		LO	Low Profile, 0-10V (3" Plenum) ²				
		RM	Remodel				

DRD MODULE

PRODUCT CODE		LUMENS		CRI		CCT		BEAM SPREAD		FINISH		DIMMING	
<div></div>		<div></div>		<div></div>		<div></div>		<div></div>		<div></div>		<div></div>	
DRD4M	Adjustable	07	750 lm	9	93+ CRI	27	2700K	NS	Narrow Spot (15°) ⁵	[Blank]	Black	T	TRIAC/ELV
		10	1000 lm			30	3000K	SP	Spot (25°)	W	White	O	0-10V
						35	3500K	FL	Flood (40°)			D	DALI-2 ⁶
						40	4000K	LS	Linear Spread				
						3W	Warm Dim ³ (3000K–1800K)	SF	Soft Focus				
						T1	Tunable White ⁴ (4000K–1800K)	NH	Narrow Spot ^{2,5} W/Hex Louver				
						T2	Tunable White ⁴ (6500K–2700K)	SH	Spot ² W/Hex Louver				
								FH	Flood ² W/Hex Louver				

M SERIES TRIM

PRODUCT CODE		FINISH		OPTION	
<input type="text"/>		<input type="text"/>		<input type="text"/>	
M4TSQ	Round On Square	WH	White	[Blank]	None
M4TSP	Pinhole ⁷	BK	Black	FL	Flangeless ^{7,8}
		BZ	Bronze		
		CW	Clear Diffuse, White Flanged		
		WW	Warm Diffuse, White Flanged		
		CC	Custom Color		

M4XSMUD	Flangeless Mud Plate <i>(Required for Flangeless Trim drywall installation)</i>
M4KSTEMPLATE	Flangeless Wood Template <i>(Recommended for Flangeless Trim wood installation)</i>

¹ Only available in Standard rating² Not available for DALI-2³ Only available in 1000 lm⁴ Only available in 750 lm DALI-2 Dimming⁵ Not available in Warm Dim CCT or Tunable White⁶ Only available in 750 lm tunable white or 1000 lm warm dimming or static CCT⁷ Only available in White, Black, Bronze or Custom Color finish⁸ Mud plate is required for all FL trims except for wood ceiling applications

PRODUCT BUILDER - ECOSYSTEM DIMMING OR EMERGENCY LIGHTING

M SERIES HOUSING

PRODUCT CODE		INSTALLATION		SHAPE		RATING		LUMEN		DIMMING		OPTION	
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M4	4" Housing	NC	New Construction	S	Square	S	Standard	07	750 lm	C	Lutron EcoSystem ¹	[Blank]	None
						F	Fire Rated	10	1000 lm	T	TRIAC/ELV for EM only	ES	EM Driver, Remote Switch
										O	0-10V for EM only		

DRD MODULE

PRODUCT CODE		LUMENS		CRI		CCT		BEAM SPREAD		FINISH		DIMMING	
<input type="text"/>		<input type="text"/>		<input type="text"/>		<input type="text"/>		<input type="text"/>		<input type="text"/>		<input type="text"/>	
DRD4M	Adjustable	07	750 lm	9	93+ CRI	27	2700K	NS	Narrow Spot (15°) ³	[Blank]	Black	A	Alternate
		10	1000 lm			30	3000K	SP	Spot (25°)	W	White		
						35	3500K	FL	Flood (40°)				
						40	4000K	LS	Linear Spread				
						3W	Warm Dim ² (3000K-1800K)	SF	Soft Focus				
								NH	Narrow Spot ³ W/Hex Louver				
								SH	Spot W/Hex Louver				
								FH	Flood W/Hex Louver				

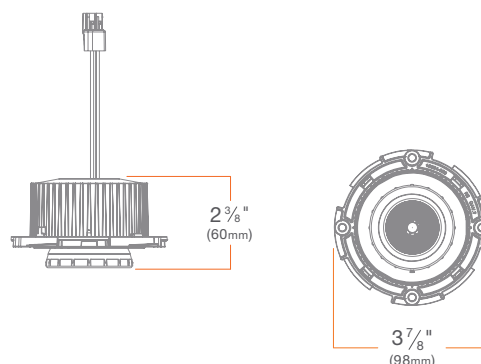
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		CW	Clear Diffuse, White Flanged		
		WW	Warm Diffuse, White Flanged		
		CC	Custom Color		

M4XSMUD	Flangeless Mud Plate <i>(Required for Flangeless Trim drywall installation)</i>
M4KSTEMPLATE	Flangeless Wood Template <i>(Recommended for Flangeless Trim wood installation)</i>

¹ Lutron EcoSystem refers to LDE1 Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black™² Only available in 1000 lm³ Not available in Warm Dim⁴ Only available in White, Black, Bronze or Custom Color finish⁵ Mud plate is required for all FL trims except for wood ceiling applications

MODULE



SUMMARY

	STATIC CCT	WARM DIM	TUNABLE WHITE
CCT	2700K, 3000K, 3500K, 4000K	3000K - 1800K	4000K - 1800K; 6500K - 2700K
LUMENS (POWER)	750 lm (9.7W), 1000 lm (12.0W)	1000 lm (12.0W)	750 lm (12.5W)
EFFICACY	77 lm/W, 83 lm/W	83 lm/W	60 lm/W
COLOR QUALITY	93+ CRI ¹ , 2-step SDCM	93+ CRI ¹ , 2-step SDCM	93+ CRI ¹ , 3-step SDCM
BEAM SPREAD	Narrow Spot (15°), Spot (25°), Flood (40°), Linear Spread (60° x 30°), Soft Focus	Spot (25°), Flood (40°), Linear Spread (60° x 30°), Soft Focus	Spot (25°), Flood (40°), Linear Spread (60° x 30°), Soft Focus
DIMMING	0-10V, TRIAC/ELV ³ , DALI-2	0-10V, TRIAC/ELV ³ , DALI-2	DALI-2
LED CHIP	Cree	Bridgelux	Bridgelux
LISTINGS	ENERGY STAR® qualified ² , California Title 24 2016-2022 JA8-E compliant, UL Listed for Damp Location, UL Certified US-CA, Declare, RoHS compliant, NSF/ANSI 2 listed, suitable for splash-zone, DALI-2 Compliant		
ADJUSTMENT	360° directional aim, 45° tilt		
SLOPE CEILING COMPATIBILITY	Up to 45°		

¹ Tested in accordance to IESNA LM-79-2008

² Refer to ENERGY STAR Certified light fixtures database

³ Dimming at 120V only

ADDITIONAL

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

MAX INPUT CURRENT (120V): 0.13 amps

MAX INPUT CURRENT (277V): 0.065 amps

CONNECTOR: PowerPlug® Luminaire Disconnect Model 182, 6-pin Molex

POWER FACTOR: Greater than 0.9

TOTAL HARMONIC DISTORTION: Less than 20%

AMBIENT OPERATING TEMPERATURE: -20°C to 40°C

WARRANTY: 5 year limited warranty; 50,000 hours at 70% lumen maintenance

HOUSING



M Series

New Construction

SUMMARY

JUNCTION BOX: Equipped with 12 knockouts: four 1/2" trade size knockouts on side, two 3/4" and two 1/2" trade size knockouts on top and four romex knockouts on top. 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 1/4"

CEILING: Standard Version (Deep): 1/2" to 1- 3/4"
Low Profile Version: 1/2" to 1- 1/4"

CUTOUT: 4" (102mm) square opening

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

WARRANTY: 5 year limited warranty

ALTERNATE DIMMING SPECIFICATIONS

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

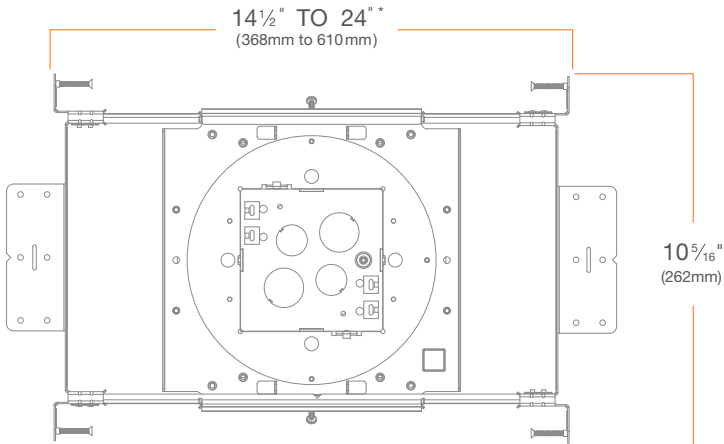
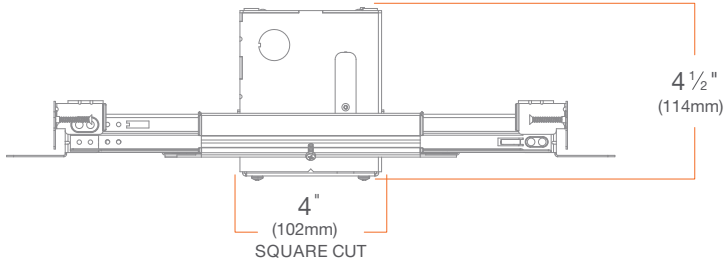
TOTAL HARMONIC DISTORTION: Less than 20%

New Construction

M4NCSS (Standard)

M4NCSE (Fire Rated)

M4CPSS (Chicago Plenum)



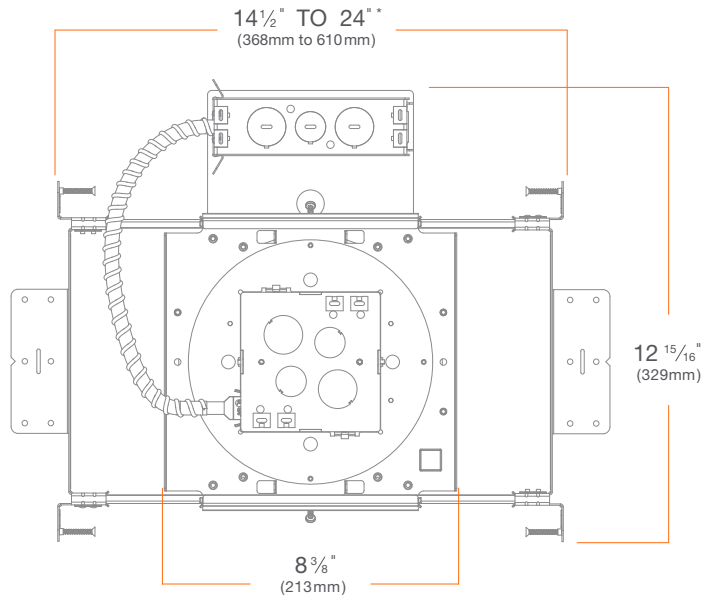
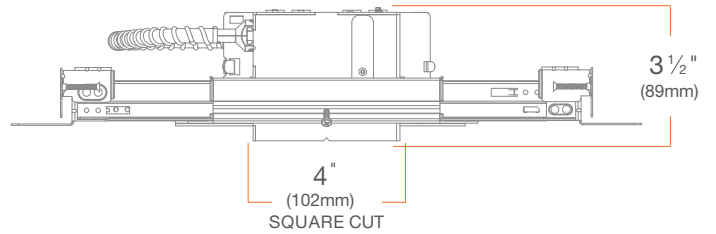
Low-Profile

M4LTSS (Standard, TRIAC/ELV)

M4LTSF (Fire Rated, TRIAC/ELV)

M4LOSS (Standard, 0-10V)

M4LOSF (Fire Rated, 0-10V)



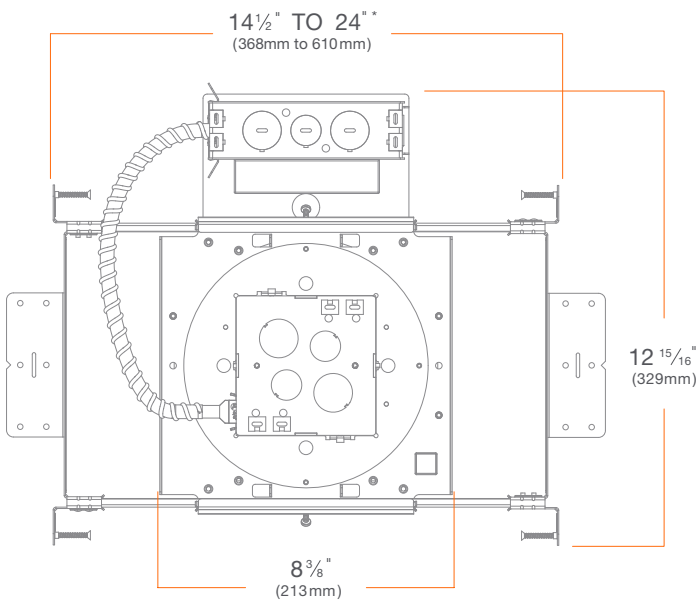
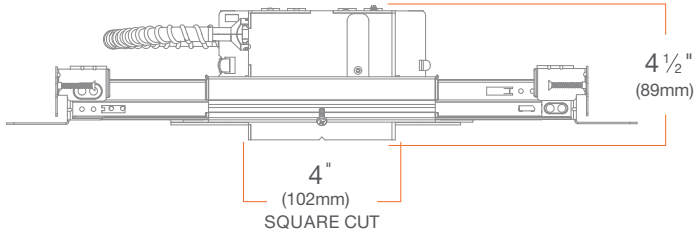
Standard Version (Deep): 1/2" to 1- 3/4"

Low Profile Version: 1/2" to 1- 1/4"

* Can be field cut to minimum 10" (254mm)

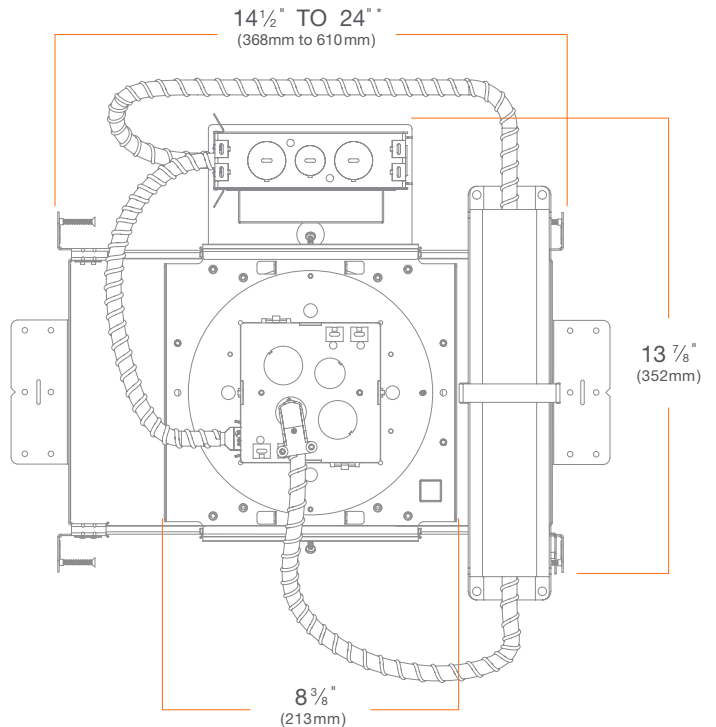
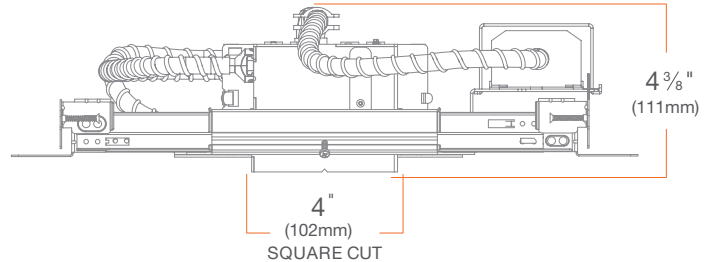
EcoSystem

M4NCSSxxC (Standard)
M4NCFSxxC (Fire Rated)



Emergency Lighting

M4NCSSxxxEM (Standard)
M4NCFSxxxEM (Fire Rated)

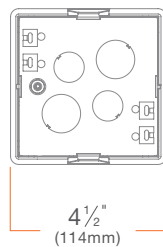
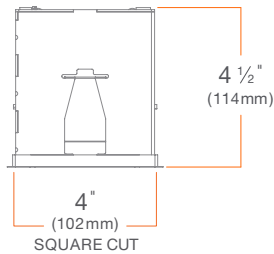
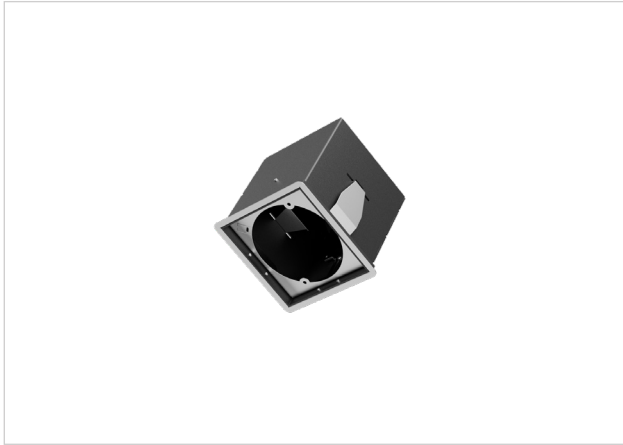


* Can be field cut to minimum 10" (254mm)

** Can be field cut to minimum 13" (330mm)

** Can be field cut to minimum 9" (229mm)

HOUSING



M Series

Remodel

M4RMSS (Standard)

M4RMSF (Fire Rated)

SUMMARY

JUNCTION BOX: Equipped with 8 knockouts: four 1/2" trade size knockouts on side, two 3/4" and two 1/2" trade size knockouts on top and four romex knockouts on top. Approved for 8 (four in, four out) #12 AWG 70°C.

MOUNTING: Pre-installed mounting spring clips

CEILING: 5/8" up to 1 1/4"

CUTOUT: 4" (102mm) square opening

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

WARRANTY: 5 year limited warranty

TRIMS



M Series

4" Square Trims

M4TS

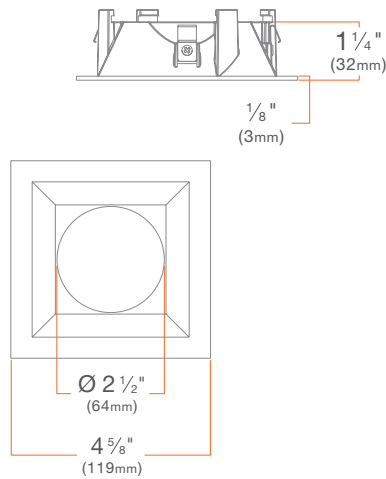
SUMMARY

CONSTRUCTION: Die-cast aluminum

INSTALLATION: Twist & Lock

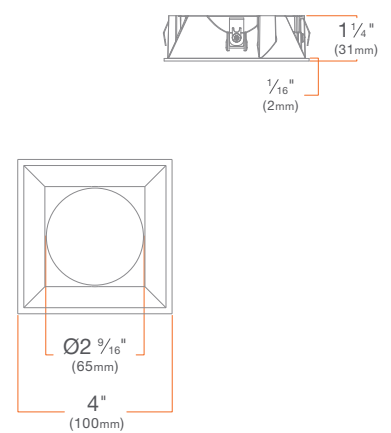
Round on Square Trim

M4TSQWH



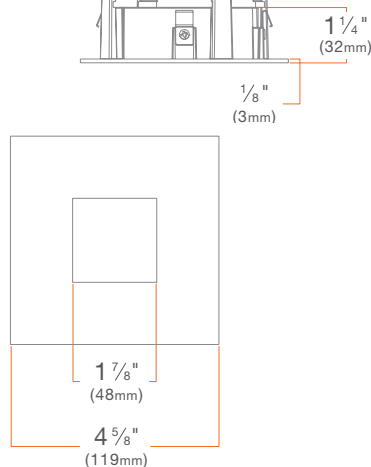
Round On Square Flangeless Trim Insert

M4TSQWHFL



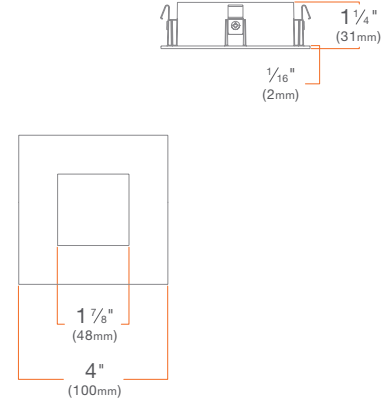
Pinhole Trim

M4TSPWH



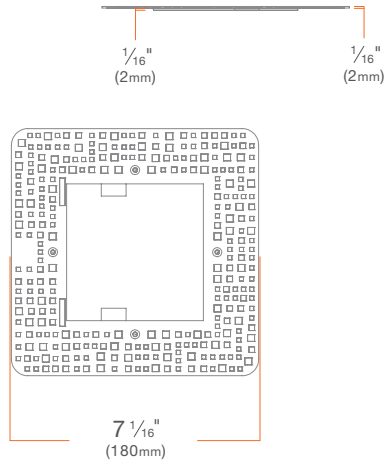
Pinhole Flangeless Trim Insert

M4TSPWHFL

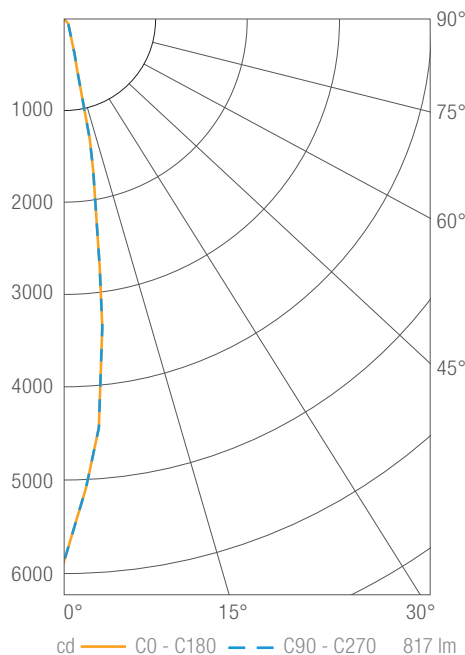


Flangeless Mud Plate

M4XSMUD



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

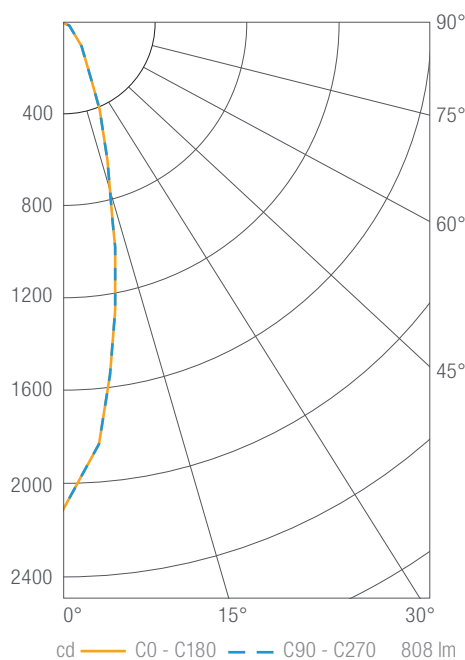
Zonal Lumen Summary

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

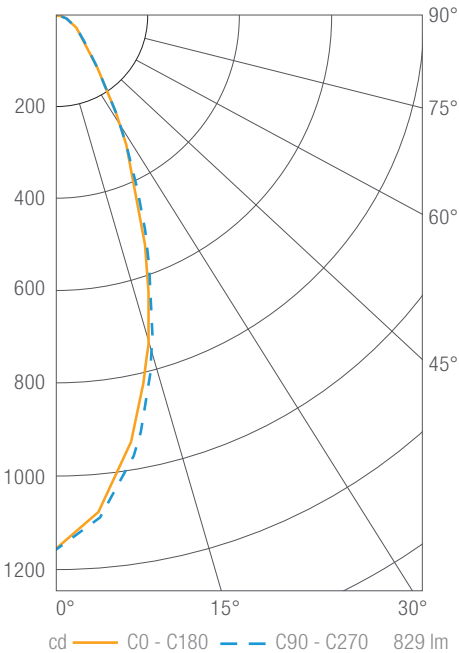
Distance from LED	Foot Candles	Diameter
3'	234	1.3'
6'	58	2.6'
9'	26	3.9'
12'	15	5.2'

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°