

M Series + DRD4

Project:	Type:
Product Code:	Date:

V102023



4" Round 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"

Low Profile: 1/2" up to 1 1/4"

Ceiling Material

Drywall, Millwork

TRIMS

Aperture

4"

Shape

Round

Style

Beveled, Hyperbolic, 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	R	Round	S	Standard
		CP	Chicago Plenum ¹			F	Fire Rated
		LT	Low Profile, TRIAC/ELV (3" Plenum) ²				
		LO	Low Profile, 0-10V (3" Plenum) ²				
		DH	Double Housing ¹				
		RM	Remodel				

M4CC	Concrete Tight ²
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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"/>	
M4TRS	Beveled	WH	White	[Blank]	None
M4TRH	Hyperbolic ⁷	BK	Black	FL	Flangeless ^{7,8}
M4TRP	Pinhole ⁷	BZ	Bronze		
		CW	Clear Diffuse, White Flanged		
		WW	Warm Diffuse, White Flanged		
		CC	Custom Color		

M4XRMUD	Flangeless Mud Plate (Required for Flangeless Trim drywall installation)
M4KRTEMPLATE	Flangeless Wood Template (Recommended for Flangeless Trim wood installation)

¹ Only available in Standard rating

² Not available for DALI-2

³ Only available in 1000 lm

⁴ Only available in 750 lm DALI-2 Dimming

⁵ Not available in Warm Dim or Tunable White

⁶ Only available in 750 lm tunable white, 1000 lm warm dimming or 1000 lm static CCT

⁷ Only available in White, Black, Bronze or Custom Color finish

⁸ Mudplate 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	
M4	4" Housing	NC	New Construction	R	Round	S	Standard	07	750 lm	C	Lutron EcoSystem ¹	[Blank]	None
						F	Fire Rated	10	1000 lm	T	TRIAC/ELV for EM only	EM	EM Driver, Integrated Switch ²
										O	0-10V for EM only	ES	EM Driver, Remote Switch

DRD MODULE

PRODUCT CODE		LUMENS		CRI		CCT		BEAM SPREAD		FINISH		DIMMING	
DRD4M	Adjustable	07	750 lm	9	93+ CRI	27	2700K	NS	Narrow Spot (15°) ⁴	[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 ³	SF	Soft Focus				
								NH	Narrow Spot ⁴ W/Hex Louver				
								SH	Spot W/Hex Louver				
								FH	Flood W/Hex Louver				

M SERIES TRIM

PRODUCT CODE		FINISH		OPTION	
M4TRS	Beveled	WH	White	[Blank]	None
M4TRH	Hyperbolic ⁵	BK	Black	FL	Flangeless ^{5,6}
M4TRP	Pinhole ⁵	BZ	Bronze	EM	Integrated Test Switch ^{2,7,8}
		CW	Clear Diffuse, White Flanged		
		WW	Warm Diffuse, White Flanged		
		CC	Custom Color		

M4XRMUD	Flangeless Mud Plate <i>(Required for Flangeless Trim drywall installation)</i>
M4KRTEMPLATE	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 Integrated Test Switch option required for both housing and trim

³ Only available in 1000 lm

⁴ Not available in Warm Dim CCT

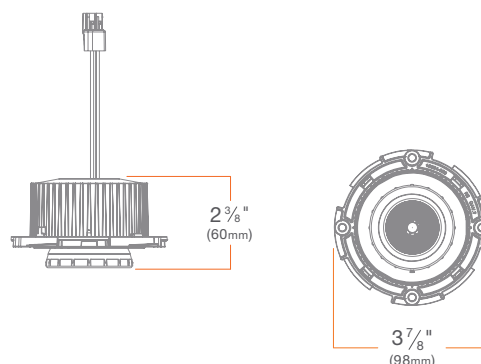
⁵ Only available in White, Black, Bronze or Custom Color finish

⁶ Mudplate is required for all FL trims except for wood ceiling applications

⁷ Only available in Beveled style

⁸ Only available in White, Clear Diffuse, Warm Diffuse or Custom Color finish

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 10 knockouts: two 1/2" and two 3/4" trade size knockouts on top, two 1/2" trade size knockouts on side, 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 1/4" (108mm) round 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): 0.130 amps

MAX INPUT CURRENT (277V): 0.065 amps

POWER FACTOR: Greater than 0.9

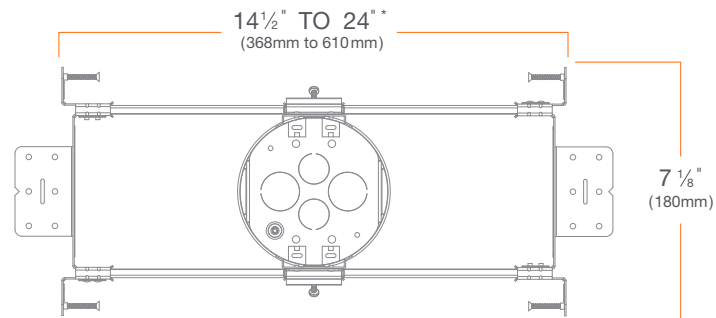
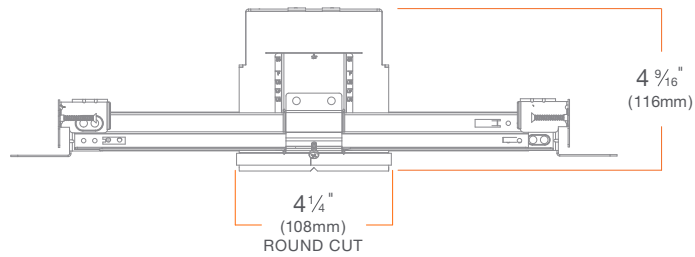
TOTAL HARMONIC DISTORTION: Less than 20%

New Construction

M4NCRS (Standard)

M4NCRF (Fire Rated)

M4CPRS (Chicago Plenum)



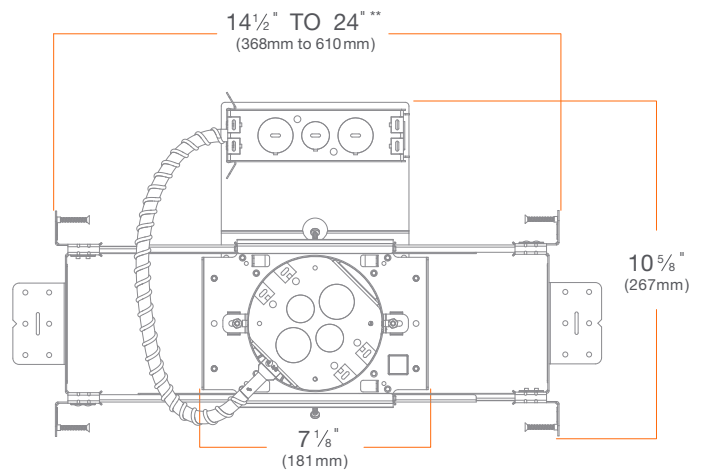
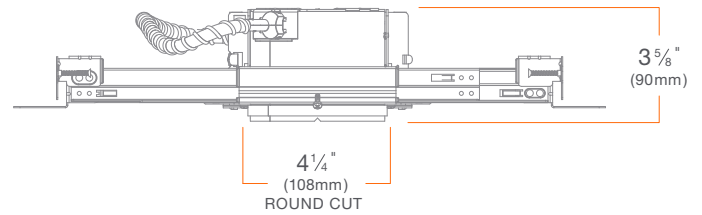
Low-Profile

M4LTRS (Standard, TRIAC/ELV)

M4LTRF (Fire Rated, TRIAC/ELV)

M4LORS (Standard, 0-10V)

M4LORF (Fire Rated, 0-10V)

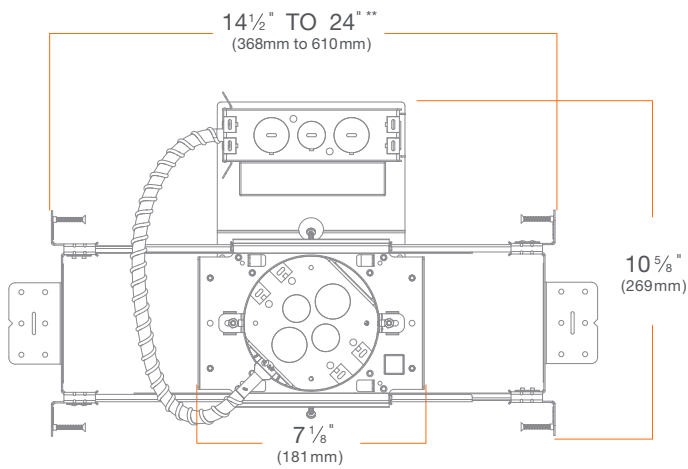
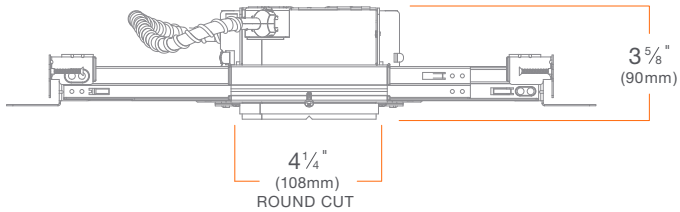


* Can be field cut to minimum 7 $\frac{1}{2}$ " (191mm)

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

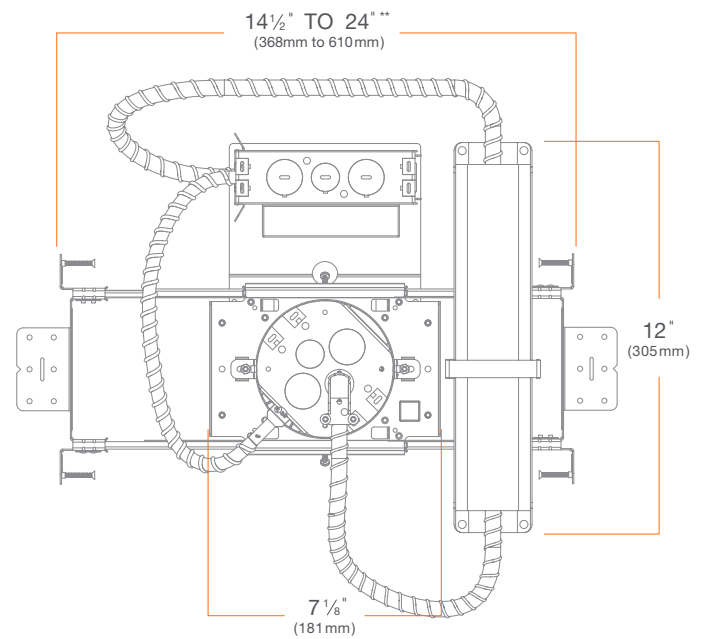
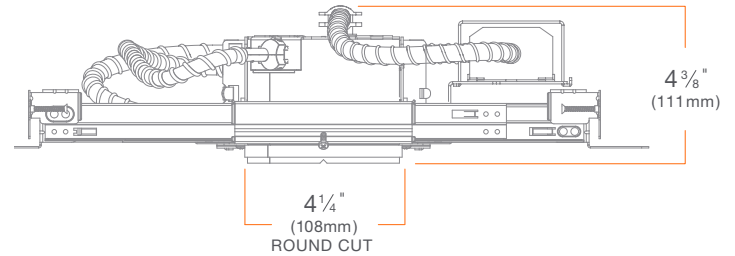
EcoSystem

M4NCRSxxC (Standard)
M4NCRFxxC (Fire Rated)



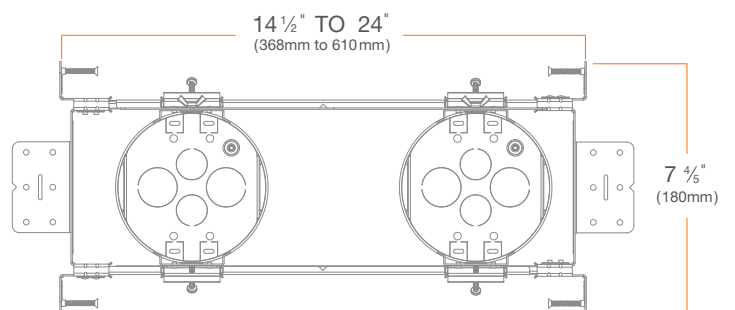
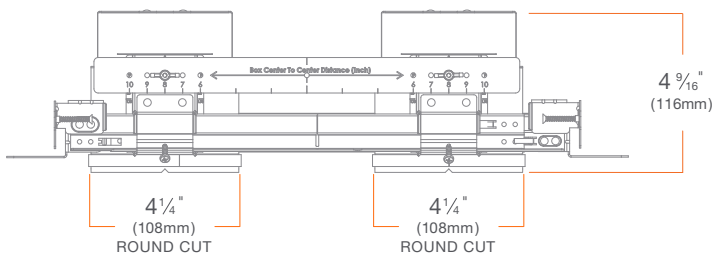
Emergency Lighting

M4NCRSxxxEM (Standard)
M4NCRFxxxEM (Fire Rated)



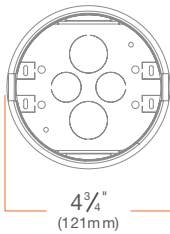
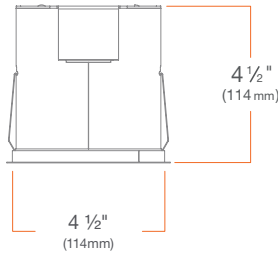
Double Housing

M4DHRS



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

HOUSING



M Series

Remodel

M4RMRS (Standard)

M4RMRF (Fire Rated)

SUMMARY

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

MOUNTING: Pre-installed mounting spring clips

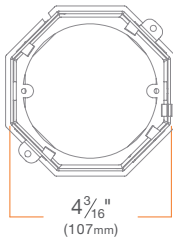
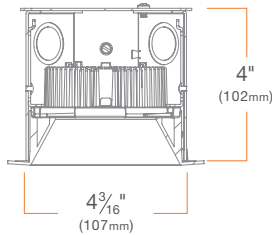
CEILING: 5/8" up to 1 1/4"

CUTOUT: 4 1/2" (114mm) round 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

HOUSING



M Series

Concrete Construction

M4CC

SUMMARY

JUNCTION BOX: Equipped with (4) trade size concentric knockouts ($\frac{3}{4}$ " + $\frac{1}{2}$ ") 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 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

TRIMS



M Series

4" Round Trims

M4TR

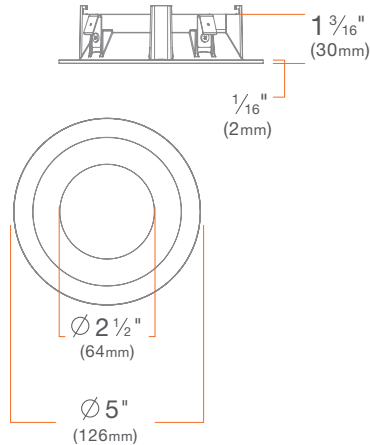
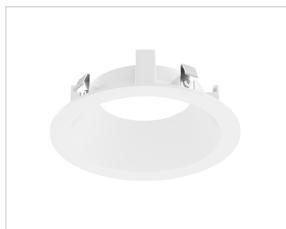
SUMMARY

CONSTRUCTION: Die-cast aluminum

INSTALLATION: Twist & Lock

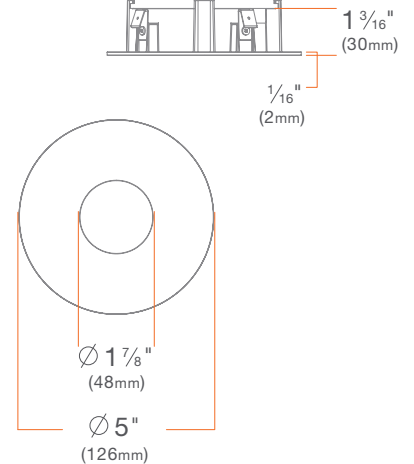
Beveled Trim

M4TRSWH



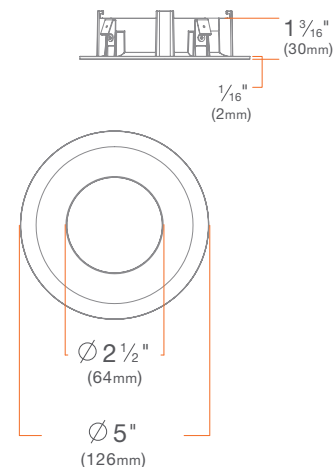
Pinhole Trim

M4TRPWH



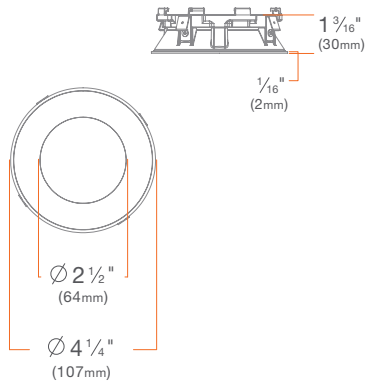
Hyperbolic Trim

M4TRHWH



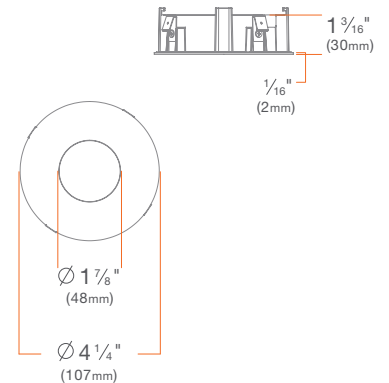
Beveled Flangeless Trim Insert

M4TRSWHFL



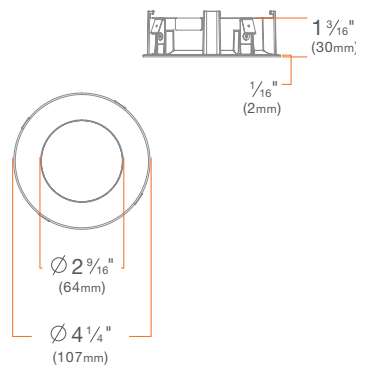
Pinhole Flangeless Trim Insert

M4TRPWHFL



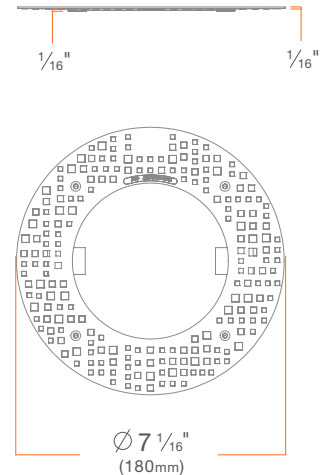
Hyperbolic Flangeless Trim Insert

M4TRHWHFL



Flangeless Mud Plate

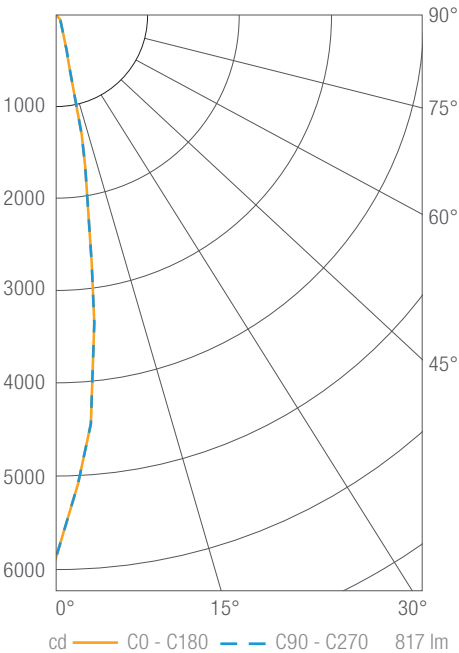
M4XRMUD



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

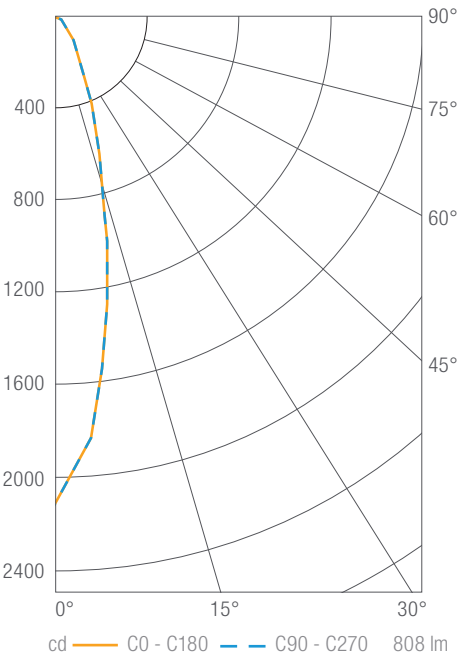
Illuminance Chart

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

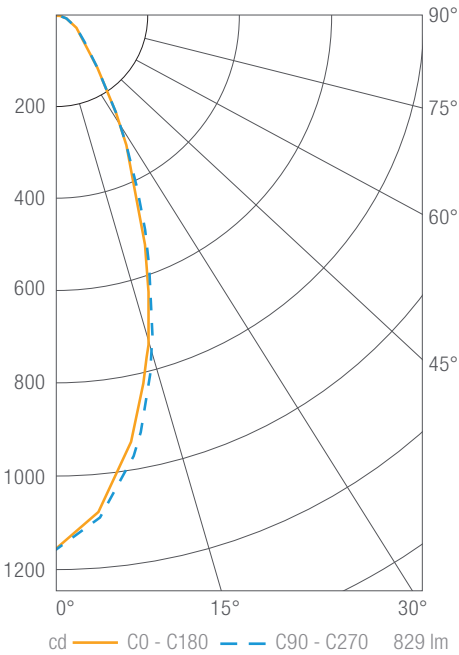
Distance from LED	Foot Candles	Diameter
3'	234	1.3'
6'	58	2.6'
9'	26	3.9'
12'	15	5.2'

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°