

DID Series

Turtle Friendly Downlighting System

4" Round



Project:	Type:
Product Code:	Date:

TF

Turtle Friendly Compliant with FWC guidelines to minimize lighting's impact on sea turtles

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 down to 1%

OPTICAL

Module

Fixed

Delivered Lumens (Power)

400 lm (12W)

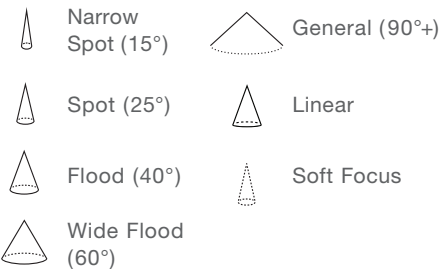
Wavelength

> 560 nm

Color Temperature

 Turtle Friendly

Beam Spread



PHYSICAL

Aperture

4"

Application

New Construction, Remodel

Shape

Round

Ceiling Thickness

1/2" up to 1 3/4" (New Construction)

5/8" up to 1 1/4" (Remodel)

TRIMS

Aperture

4"

Shape

Round, Square Conversion

Style

Beveled, Hyperbolic, Pinhole, Beveled Pinhole, Wall Wash, Decorative, Flangeless, Dead Front

Finish

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

ELECTRICAL & CONTROLS

Input Voltage






120 / 277V

1% Dimming

TRIAC/ELV, 0-10V, EcoSystem

RATINGS

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

Module and Trim

-  UL Listed for Wet Location



Declare.





PRODUCT BUILDER

M SERIES HOUSING

PRODUCT CODE		APPLICATION		SHAPE		RATING	
M4	4" Housing	NC	New Construction	R	Round	S	Standard
		RM	Remodel			F	Fire Rated
		CP	Chicago Plenum ¹				
		LT	Low Profile TRIAC (3" Plenum)				
		LO	Low Profile 0-10V (3" Plenum)				

DRD MODULE

PRODUCT CODE		LUMENS		CRI		CCT		BEAM SPREAD		DIMMING	
DID2M	Fixed	04	400 lm	S	Specialty	TF	Turtle Friendly	GA	General Ambient (90°+)	T	TRIAC/ELV
								NS	Narrow Spot (15°)	O	0-10V
								SP	Spot (25°)		
								FL	Flood (40°)		
								WF	Wide Flood (60°)		
								LS	Linear Spread		
								SF	Soft Focus		

M SERIES TRIM

PRODUCT CODE		SHAPE		STYLE		FINISH		OPTION	
M4T	4" Trim	R	Round	S	Beveled	WH	White	[Blank]	None
				H	Hyperbolic ²	BK	Black	DOF	Decorative: Open, Frosted ^{3,4}
				P	Pinhole ²	BZ	Bronze	DCF	Decorative: Closed, Frosted ^{3,4}
				B	Beveled Pinhole ²	CW	Clear Diffused, White Flanged	DCC	Decorative: Closed, Clear, Frosted Side ^{3,4}
				W	Wall Wash	WW	Warm Diffused, White Flanged	DCCF	Decorative: Closed, Clear, Frosted Inside ^{3,4}
				C	Square Conversion ³	CC	Custom Color	FL	Flangeless ^{2,5}
								DF	Dead Front ^{3,4}

M4XRMUD	Flangeless Mud Plate <i>(Required for Flangeless Trim drywall installation)</i>
----------------	---

¹ Only available in Standard rating

⁴ Only available in Beveled style

² Only available in White, Black, Bronze or Custom Color finish

⁵ Not available for Square Conversion

³ Only available in White or Custom Color finish



PRODUCT BUILDER

OPTICS ACCESSORIES

PRODUCT CODE	
<input type="text"/>	
DID2X-GA	Fixed Conversion Kit: DRD2 Module to General Ambient (90°+)
DID2X-NS	Fixed Narrow Spot (15°)
DID2X-SP	Fixed Spot (25°)
DID2X-FL	Fixed Flood (40°)
DID2X-WF	Fixed Wide Flood (60°)
DID2X-LS	Fixed Linear Spread (40° x 20°)
DID2X-SF	Fixed Soft Focus
DID2X-OP	Fixed Optics Kit: Narrow Spot (15°), Spot (25°), Flood (40°), Wide Flood (60°), Linear Spread (40° x 20°), Soft Focus

MODULE



DID2

Fixed Downlight

DID2M

SUMMARY

LED CHIP: Cree® Red-Orange LED (no color filter)

DELIVERED MODULE LUMENS: 400 lm (12W)

WAVELENGTH: > 560 nm

BEAM SPREAD: General Ambient (90°+), Narrow Spot (15°), Spot (25°), Flood (40°), Wide Flood (60°), Linear Spread (40° x 20°), 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%

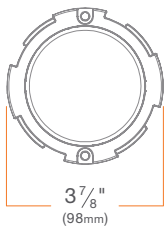
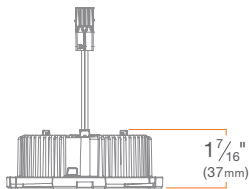
AMBIENT OPERATING TEMPERATURE: -20°C to 40°C

PHOTOMETRIC TESTING: Tested in accordance to IESNA LM-79-2008

LISTINGS: FWC Wildlife Lighting certified, UL Listed for Wet Location (flanged trims only), cULus Listed

LIFETIME: 100,000 hours at 70% lumen maintenance

WARRANTY: 10 year limited warranty



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

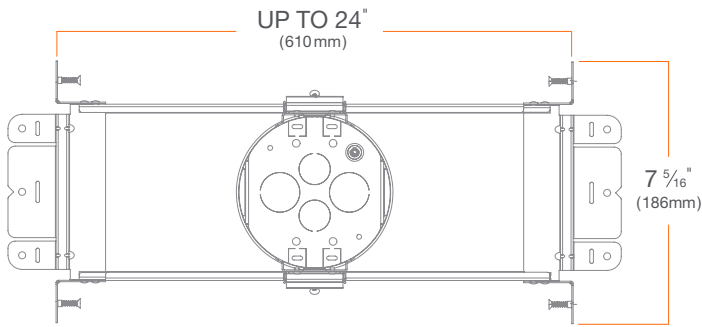
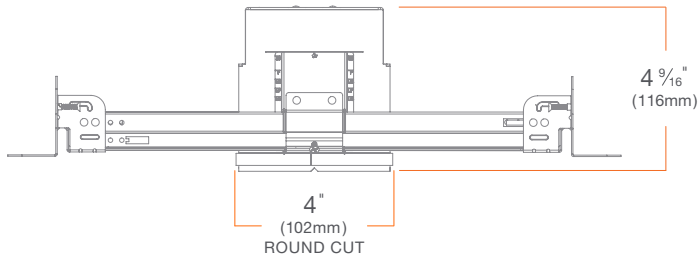
CUTOUT: 4" (102mm) round opening

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

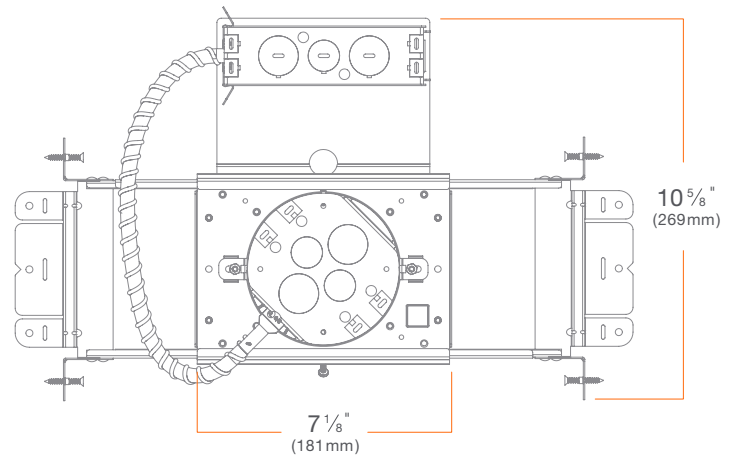
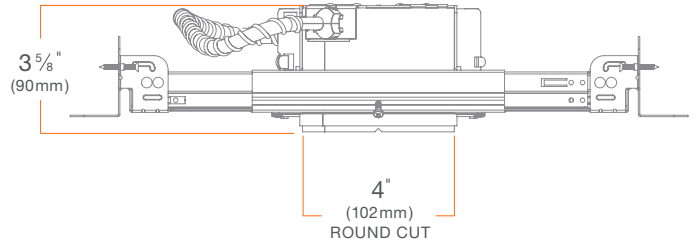
New Construction

- M4NCRS (Standard)
- M4NCRF (Fire Rated)
- M4CPRS (Chicago Plenum)



Low-Profile

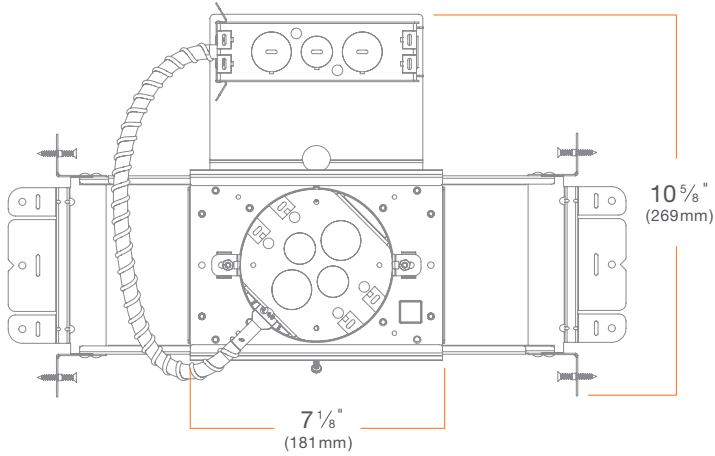
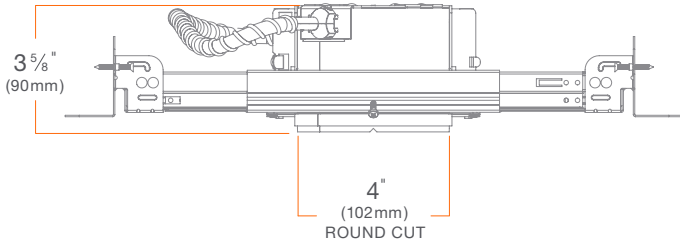
- M4LTRS (Standard, TRIAC/ELV)
- M4LTRF (Fire Rated, TRIAC/ELV)
- M4LORS (Standard, 0-10V)
- M4LORF (Fire Rated, 0-10V)



EcoSystem

M4NCRSxxC (Standard)

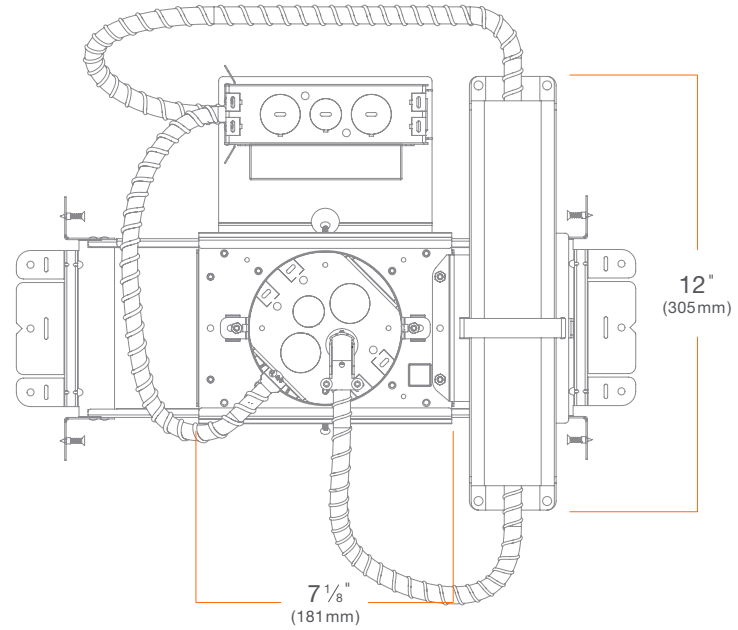
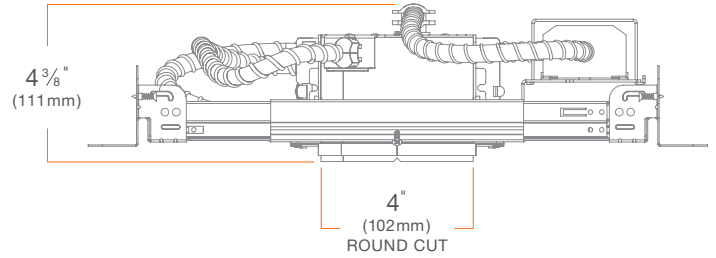
M4NCRFxxC (Fire Rated)



Emergency Lighting

M4NCRSxxxEM (Standard)

M4NCRFxxxEM (Fire Rated)



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.

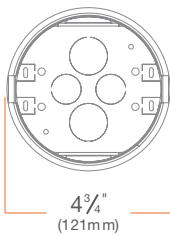
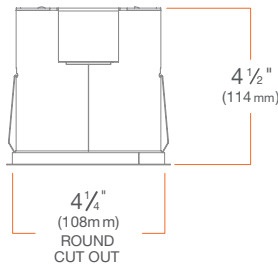
MOUNTING: Pre-installed mounting spring clips

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

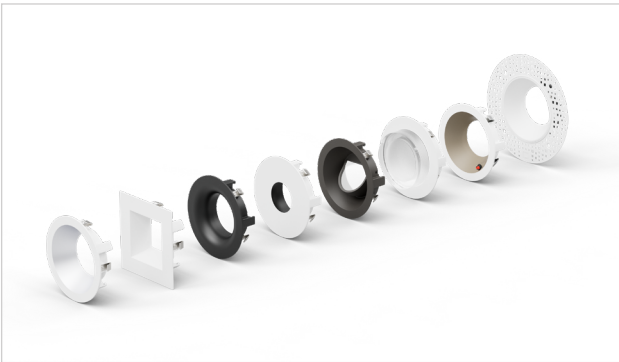
CUTOUT: 4 1/4" (108mm) round opening

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



TRIMS



M Series

4" Round Trims

M4TR

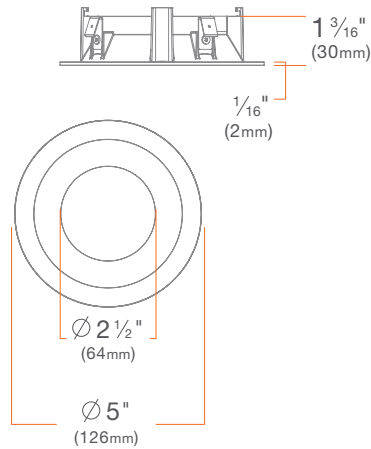
SUMMARY

CONSTRUCTION: Die-cast aluminum

INSTALLATION: Twist & Lock

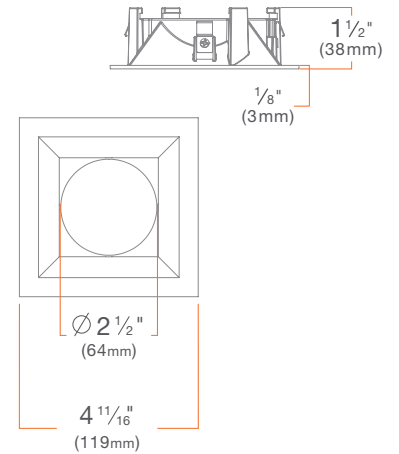
Beveled Trim

M4TRSWH



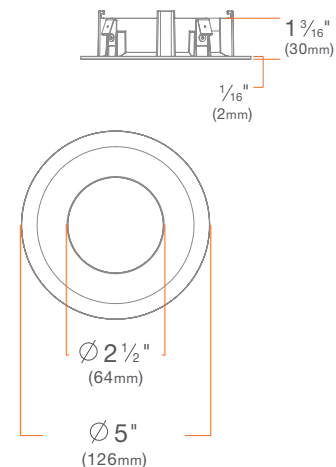
Square Conversion Trim

M4TRCWH



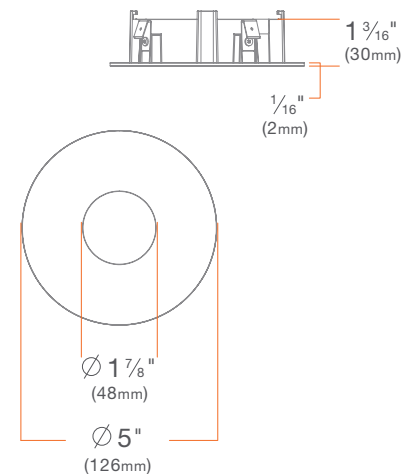
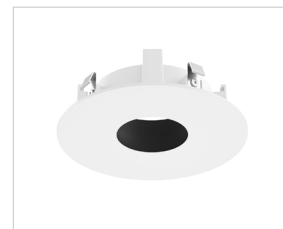
Hyperbolic Trim

M4TRHWH



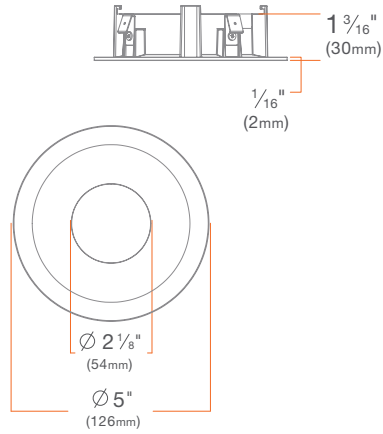
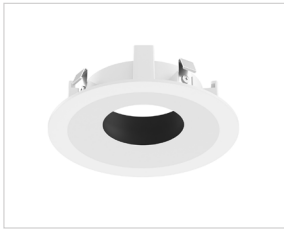
Pinhole Trim

M4TRPWH



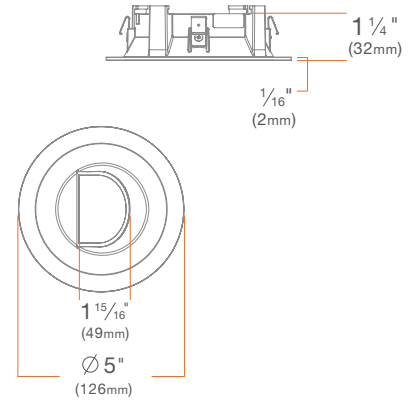
Beveled Pinhole Trim

M4TRBWH



Wall Wash Trim

Round: M4TRWWH

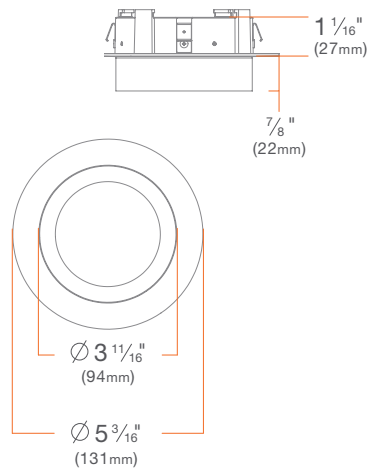


Decorative Closed Trim

Frosted: M4TRSWHDCF

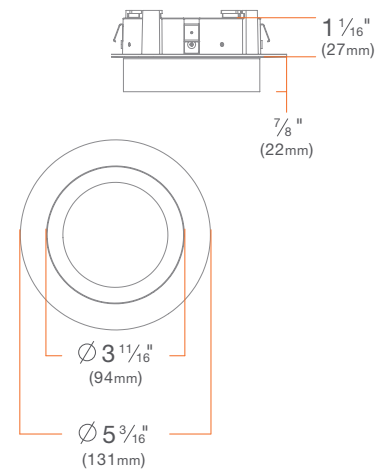
Clear, Frosted Inside: M4TRSWHDCC

Clear, Frosted Sides: M4TRSWHDCCF



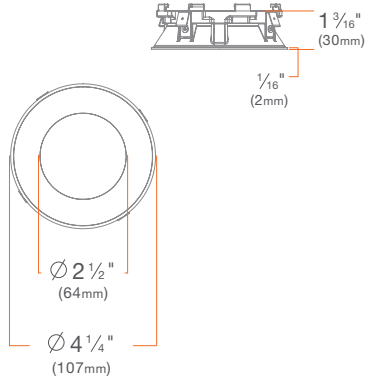
Decorative Open Trim

Frosted: M4TRSWHDOF



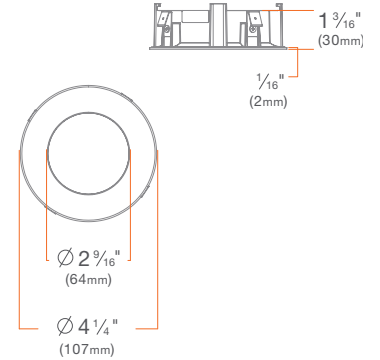
Beveled Flangeless Trim Insert

M4TRSWHFL



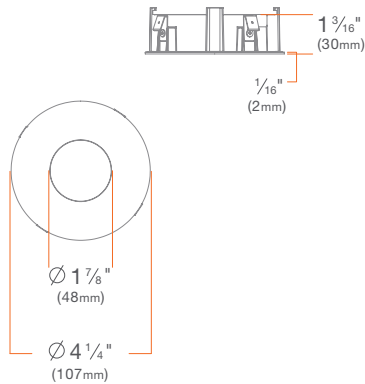
Hyperbolic Flangeless Trim Insert

M4TRHWHFL



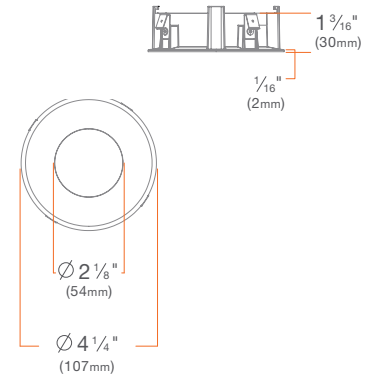
Pinhole Flangeless Trim Insert

M4TRPWHFL



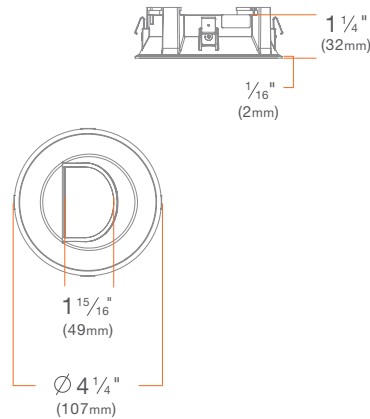
Beveled Pinhole Flangeless Trim Insert

M4TRBWHFL



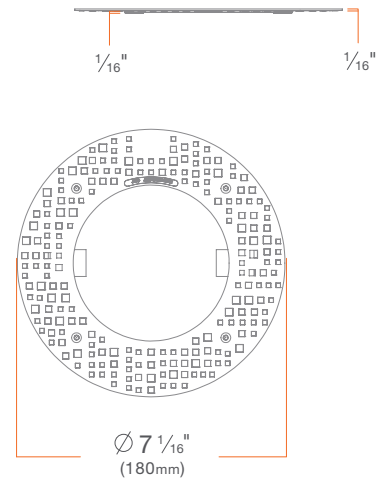
Wall Wash Flangeless Trim Insert

M4TRWWHFL



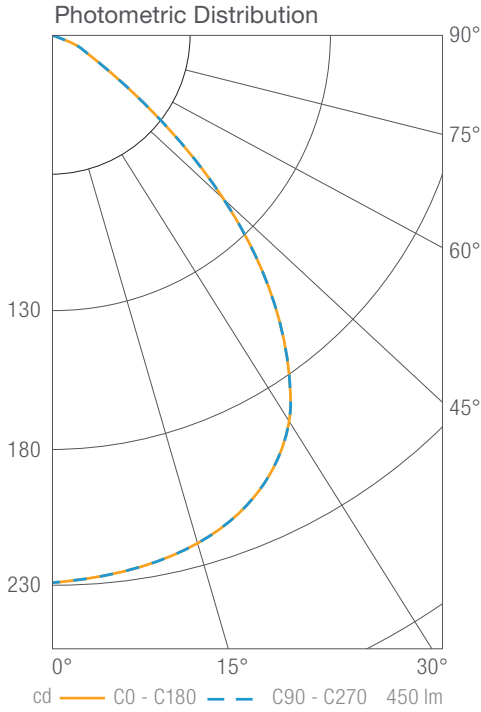
Flangeless Mud Plate

M4XRMUD



PHOTOMETRY

DID2M049TFGAx

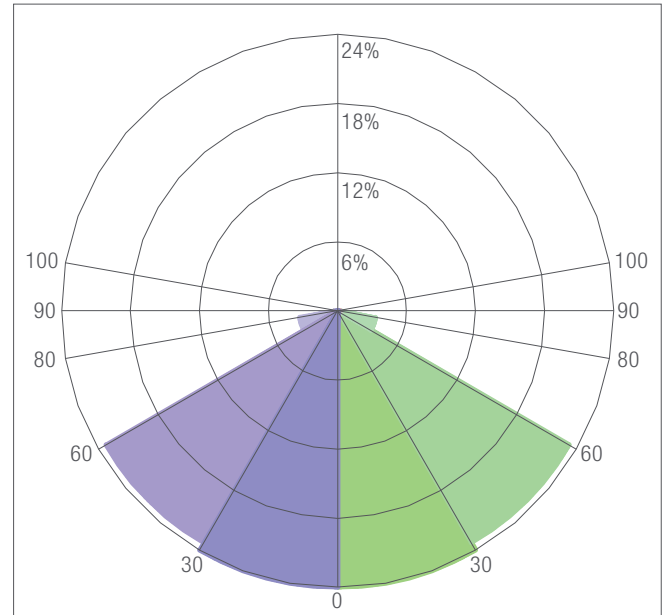


Luminous Intensity

Gamma	C 0°
0°	292
5°	290
10°	285
15°	275
20°	258
25°	232
30°	198
35°	155
40°	113
45°	82
50°	63
55°	46
60°	31
65°	19
70°	13
75°	9
80°	5
85°	2
90°	0

Values in candela

BUG Classification



Percent Luminaire Lumens

Front Low: 23.6%, Medium: 22.8%, High: 3.3%, Very High: 0.3%
Back Low: 23.6%, Medium: 22.8%, High: 3.3%, Very High: 0.3%
Uplight Low: 0.0%, High: 0.0%

Spectrum

