

Project:	Type:
Product Code:	Date:

V041124



4" Round Downlight

HIGH PERFORMANCE Produces up to 1000 lumens of True Spectrum™ lighting for natural, true-to-life colors without sacrificing stellar efficiency

PRECISE CONTROL Field-changeable light distribution ranging from 15° to 90°+

DIM TO DARK Smooth, flicker-free dimming down to 0.1% with centralized or local control

FAST INSTALL Integrated driver, plug-and-play connection, and Twist & Lock Trims

MODULAR DESIGN Flexibility during and after installation with interchangeable modules, optics and trims

INSTALLATION

Ceiling Thickness

- New Construction: 1/2" up to 1 3/4"
- Spray Foam: 1/2" up to 2"
- Standard Remodel: 1/2" up to 1 1/4"
- Fire Rated Remodel: 5/8" up to 1 1/4"
- Low Profile: 1/2" up to 1 1/4"
- Extension Collar: 1 3/4" up to 3"
(For use with Standard New Construction Only)

Ceiling Material

Drywall, Millwork, Concrete

TRIMS

Style

Standard, Hyperbolic, Pinhole, Wall Wash, Decorative, Flangeless

Finish

White, Black, Bronze, Clear Diffuse, Warm Diffuse, Custom Color

LIGHT OUTPUT & DISTRIBUTION

Module

Downlight

Lumens (Power)

1000 lm (12.0W), 1250 lm (14.3W)

Color Quality

True Spectrum™, 2-step SDCM

Color Temperature

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

Beam Spread

- 15° Narrow Spot
- 25° Spot
- 40° Flood
- 60° Wide Flood
- 90°+ General
- 40° x 20° Linear Spread
- Soft Focus

POWER & CONTROLS

Input Voltage

120 / 277V

Dimming

TRIAC/ELV (1%), DALI-2 (0.1%)

RATINGS & CERTIFICATIONS

- IC (Insulation Contact) Rated
- ASTM E283 Certified Air Tight
- Chicago Plenum
- UL Listed for Wet Location (Standard Trim only)
- RoHS Compliant
- DarkSky Approved (CCT less than or equal to 3000K, non-decorative trims only)
- Code compliant for use in fire-rated assemblies up to a maximum of 2-hours
- NSF Listed (White and Black Finish Only)

WARRANTY

10 year limited warranty; 50,000 hours



PRODUCT BUILDER

HOUSING

PRODUCT CODE		APPLICATION		SHAPE		RATING	
M4	4" Housing	NC	New Construction	R	Round	S	Standard
		CP	Chicago Plenum ¹			F	Fire Rated
		LT	Low Profile, TRIAC/ELV (3" Plenum)				
		DH	Double Housing ^{1,2}				
		RM	Remodel				
		SP	Spray Foam ¹				
M4CC		Concrete Construction					

¹ Only available in Standard rating

² Only available for 1000 lm

4" MODULE

PRODUCT CODE		LUMENS		COLORMETRIC		CCT		BEAM SPREAD		FINISH		DIMMING	
ART4D	Downlight	10	1000 lm	T	True Spectrum™	27	2700K	GA	General Ambient (90°+)	[Blank]	Black	T	TRIAC/ELV
		12	1250 lm			30	3000K	NS	Narrow Spot (15°) ⁴			D	DALI-2 ⁵
						35	3500K	SP	Spot (25°)				
						40	4000K	FL	Flood (40°)				
						3W	Warm Dim ² (3000K– 1800K)	WF	Wide Flood (60°)				
						T1	Tunable White ³ (4000K– 1800K)	LS	Linear Spread (40° x 20°)				
								SF	Soft Focus				

³ Only available in 1000 lm for DALI-2

⁴ Not available in Warm Dim or Tunable White

⁵ Only available in 1000 lm for Tunable White or Warm Dim, and 1250 lm static CCT

TRIM & ACCESSORIES

PRODUCT CODE		SHAPE		STYLE		FINISH		OPTION	
M4T	4" Trim	R	Round	S	Standard	WH	White	[Blank]	None
				H	Hyperbolic ⁶	BK	Black	DOF	Decorative: Open, Frosted ^{2,7,8,9}
				P	Pinhole ^{2,6}	BZ	Bronze	DCF	Decorative: Closed, Frosted ^{2,7,8,9}
				W	Wall Wash ⁷	CW	Clear Diffuse, White Flange	DCC	Decorative: Closed, Clear, Frosted Side ^{2,7,8,9}
				C	Square Conversion ⁷	WW	Warm Diffuse, White Flange	DCCF	Decorative: Closed, Clear, Frosted Inside ^{2,7,8,9}
						CC	Custom Color	FL	Flangeless ^{6,10,11}
M4XRHUD		Flangeless Mud Plate <i>(Required for flangeless drywall application)</i>							
M4KRTEMPLATE		Wood Template <i>(Recommended for use with wood routers in wood or millwork applications)</i>							
M4CREXT		Extension Collar <i>(for ceiling install up to 3")</i> ¹²							

⁶ Only available in White, Black, Bronze or Custom Color finish

⁷ Only available for General Ambient beam spread

⁸ Only available in White or Custom Color finish

⁹ Only available in Standard style

¹⁰ Not available for Square Conversion Trim or Concrete Consturction Housing

¹¹ Mudplate is required for all Flangeless trims except for wood ceiling applications

¹² Only available for Standard New Construction installation

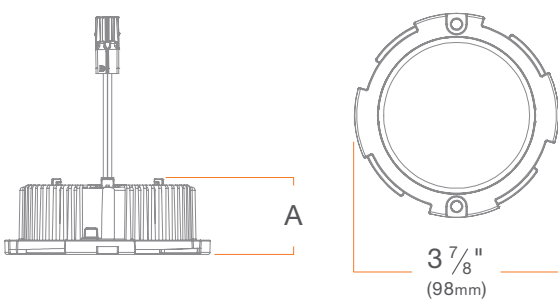


PRODUCT BUILDER

OPTICS ACCESSORIES

PRODUCT CODE	
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DID2X-GA	Fixed Conversion Kit: 4" Downlight 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



Measurements	A
Standard	1 7/16" [37 mm]
DALI-2	2" [50 mm]

SUMMARY

	STATIC CCT	WARM DIM	TUNABLE WHITE
CCT	2700K, 3000K, 3500K, 4000K	3000K - 1800K	4000K - 1800K
LUMENS (POWER)	1000 lm (12.0W), 1250 lm (14.3W)	1000 lm (12.0W)	1000 lm (14.0W)
EFFICACY	83 lm/W, 87 lm/W	83 lm/W	71 lm/W
COLOR QUALITY	True Spectrum™ 98 CRI, 2-step SDCM	True Spectrum™ 93 CRI, 2-step SDCM	True Spectrum™ 93 CRI, 2-step SDCM
BEAM SPREAD	General Ambient (90°+), Narrow Spot (15°), Spot (25°), Flood (40°), Wide Flood (60°) Linear Spread (40° x 20°), Soft Focus	General Ambient (90°+), Spot (25°), Flood (40°), Wide Flood (60°) Linear Spread (40° x 20°), Soft Focus	General Ambient (90°+), Spot (25°), Flood (40°), Wide Flood (60°) Linear Spread (40° x 20°), Soft Focus
DIMMING	TRIAC/ELV, DALI-2	TRIAC/ELV, DALI-2	DALI-2
LED CHIP	Cree Pro9	Bridgelux	Bridgelux
LISTINGS	ENERGY STAR® qualified ¹ , California Title 24 2016-2022 JA8-E compliant, UL Listed for Wet Location, UL Certified US-CA, Declare, RoHS compliant, NSF/ANSI 2 listed, suitable for splash-zone ² , DALI-2 Compliant, Dark Sky Compliant ³		

¹ Refer to ENERGY STAR Certified light fixtures database

² This product is evaluated in accordance to NSF/ANSI 2 for Splash Zone having designated trim finishes

³ DarkSky Approved is only applicable to CCT Options less than or equal to 3000K

ADDITIONAL

INPUT VOLTAGE: 120/277V, 50/60Hz	POWER FACTOR: Greater than 0.9
MAX INPUT CURRENT (120V): 0.13 amps	TOTAL HARMONIC DISTORTION: Less than 20%
MAX INPUT CURRENT (277V): 0.065 amps	AMBIENT OPERATING TEMPERATURE: -20°C to 40°C
CONNECTOR: PowerPlug® Luminaire Disconnect Model 182, 6-pin Molex	WARRANTY: 10 year limited warranty; 50,000 hours at 70% lumen maintenance

HOUSING



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

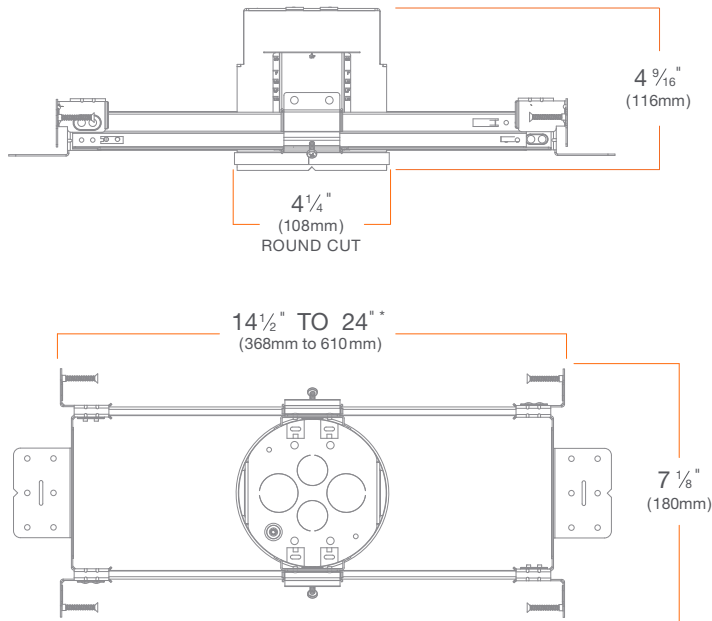
MAX INPUT CURRENT (277V): 0.065 amps

POWER FACTOR: Greater than 0.9

TOTAL HARMONIC DISTORTION: Less than 20%

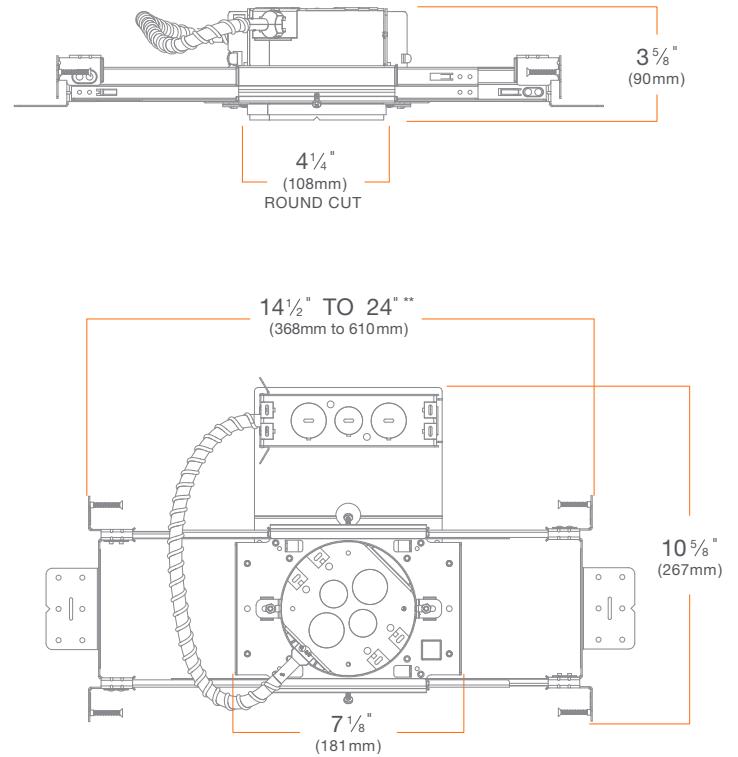
New Construction

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



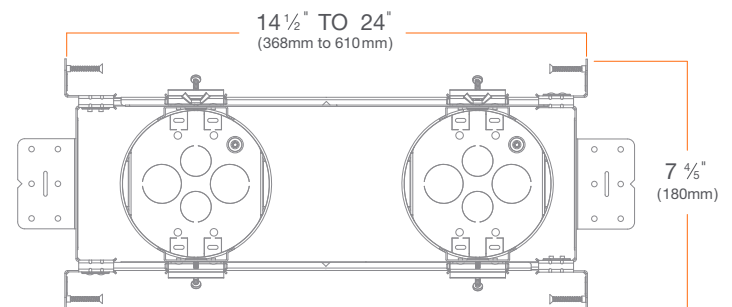
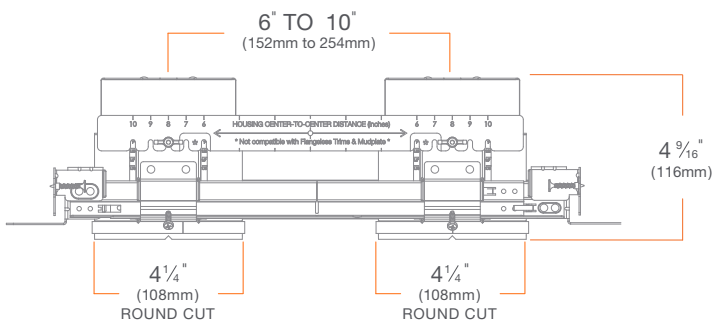
Low-Profile

M4LTRS (Standard)
M4LTRF (Fire Rated)



Double Housing

M4DHRS



* Can be field cut to minimum 7 1/2" (191mm)

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

HOUSING



Spray Foam

M4SFRS

SUMMARY

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

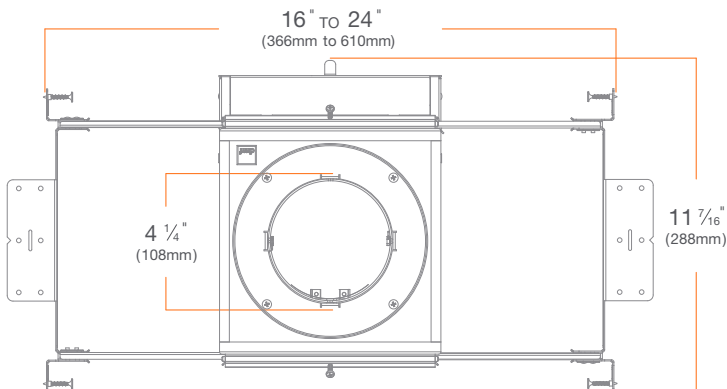
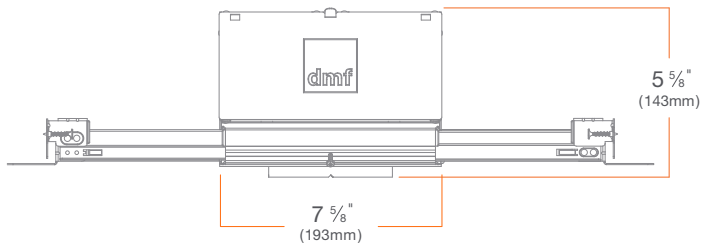
MOUNTING: Adjustable Bar Hanger for 16" to 24" joist spacing. Compatible with traditional joists, Armstrong TM ceiling, Hat Channel and T-bar

CEILING: 1/2" to 2"

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

LISTINGS: ASTM E283 certified Air Tight, IC (Insulation Contact) up to R-32 for Roll, Batt, and Loose Fill, up to R-60 Spray Foam with standard trims, up to R-32 Spray Foam with other trims or Hex Louver

WARRANTY: 5 year limited warranty



HOUSING



Remodel

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: 1/2" up to 1 1/4" for Standard,
5/8" up to 1 1/4" for Fire rated

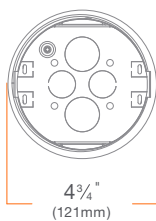
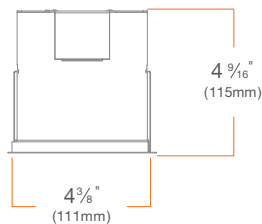
CUTOUT: 4 3/8" (111mm) round opening for Standard and
4 1/2" (114mm) round opening for Fire Rated

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

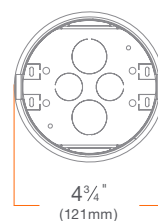
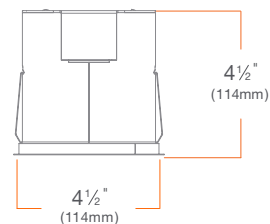
Standard

M4RMRS



Fire Rated

M4RMRF



HOUSING



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.

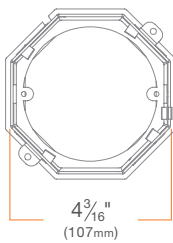
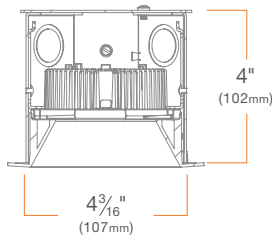
MOUNTING: (2) external tabs for wood, steel or concrete mounting

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



4" Round Trims

M4TR

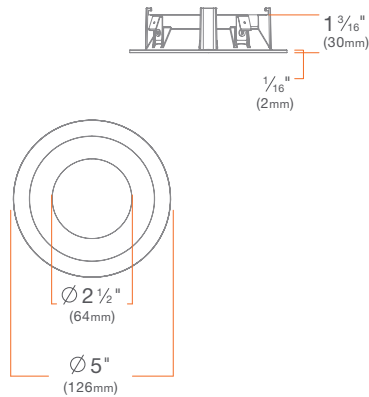
SUMMARY

CONSTRUCTION: Die-cast aluminum

INSTALLATION: Twist & Lock

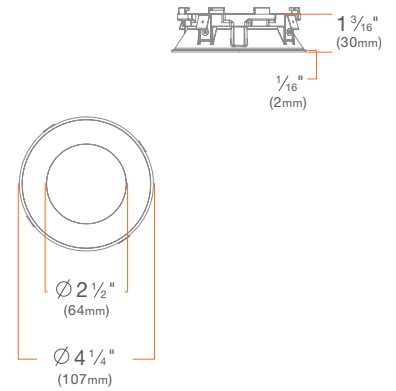
Standard

M4TRSWH



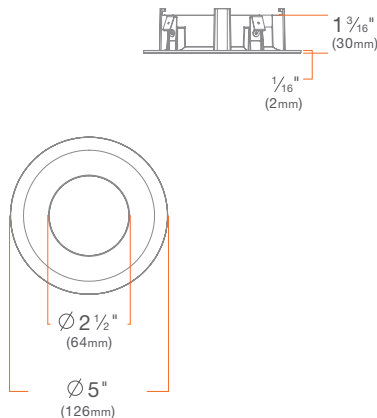
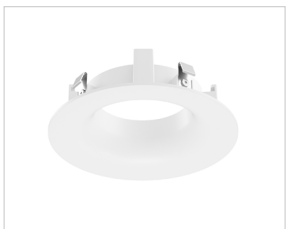
Standard Flangeless

M4TRSWHFL



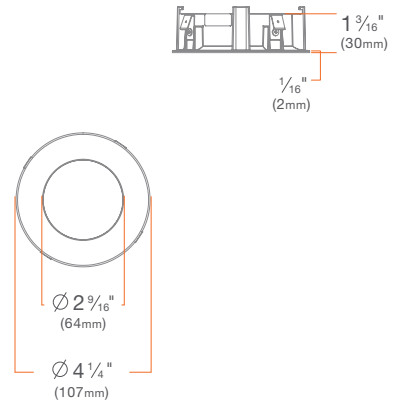
Hyperbolic Trim

M4TRHWH



Hyperbolic Flangeless

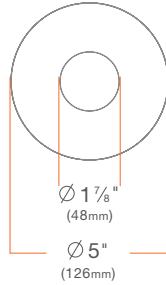
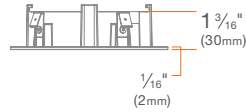
M4TRHWHFL



TRIMS

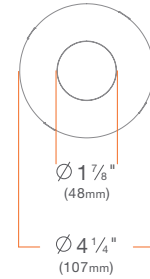
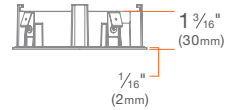
Pinhole

M4TRPWH



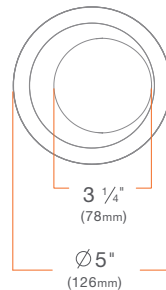
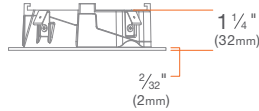
Pinhole Flangeless

M4TRPWHFL



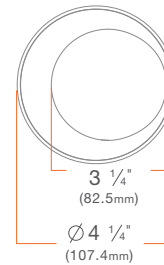
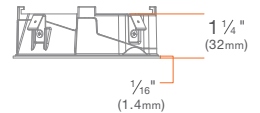
Wall Wash

M4TRLWH



Wall Wash Flangeless

M4TRLWHFL



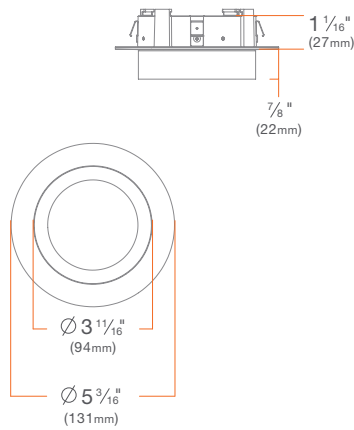
TRIMS

Decorative Closed

Frosted: **M4TRSWHDCF**

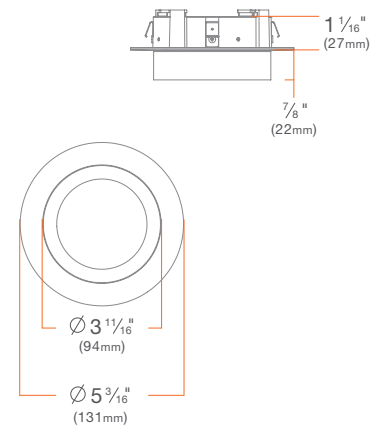
Clear, Frosted Inside: **M4TRSWHDCC**

Clear, Frosted Sides: **M4TRSWHDCCF**



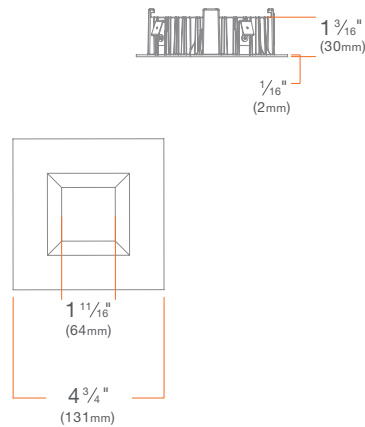
Decorative Open

Frosted: **M4TRSWHDOF**



Square Conversion

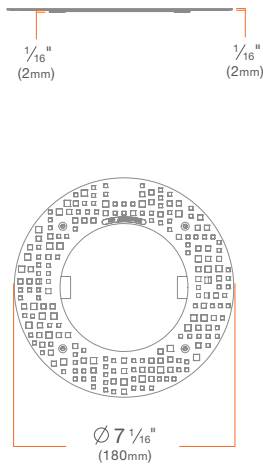
M4TRCWH



ACCESSORIES

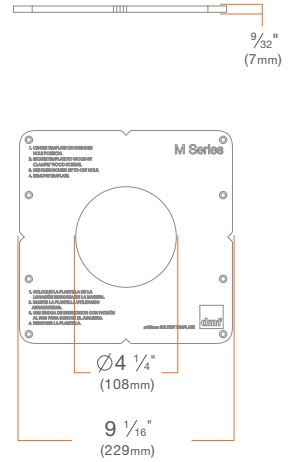
Flangeless Mud Plate

M4XRMUD



Wood Template

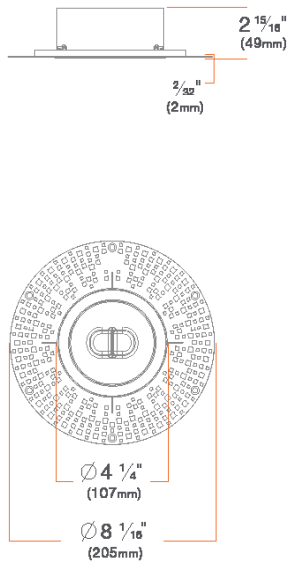
M4KRTEMPLATE



Retrofit Kit - 6" to 4"

* Please refer to individual retrofit spec sheet

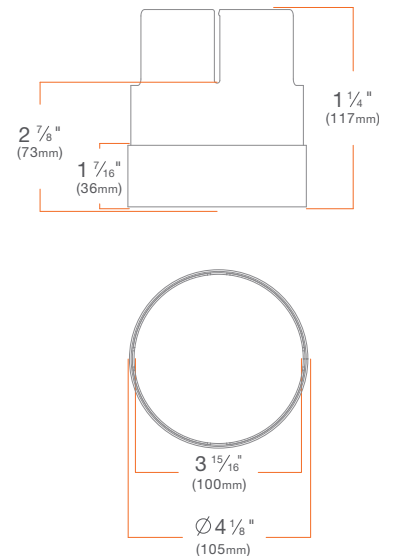
M4KRRETRO6



Extension Collar

* For use with Standard New Construction Only

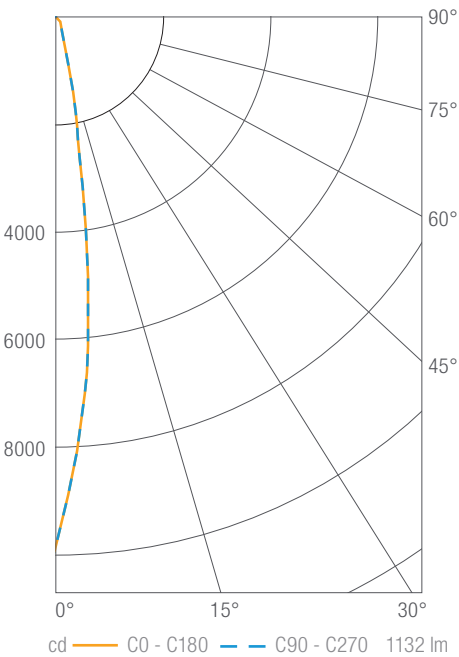
M4CREXT



PHOTOMETRY

ART4D 1000 lm, 3000K, Narrow Spot

ART4DM10930NS



Luminous Intensity

Gamma	C 0°
0°	9823
5°	6600
10°	2335
15°	734
20°	357
25°	244
30°	195
35°	159
40°	116
45°	85
50°	61
55°	42
60°	28
65°	16
70°	7
75°	4
80°	2
85°	1
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	906	80
0-40	1004	89
0-60	1110	98
0-90	1131	100
0-180	1132	100

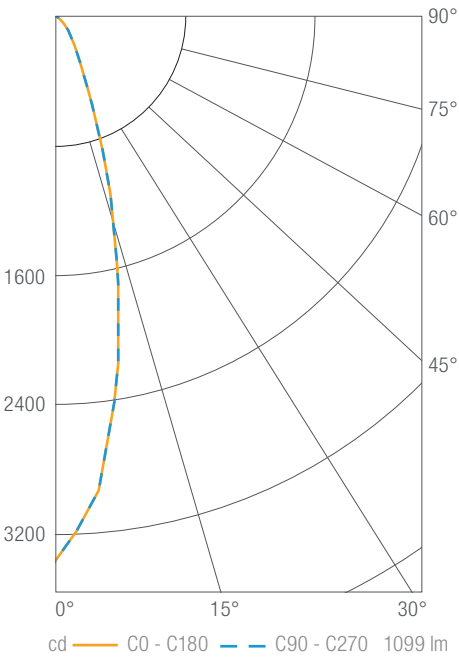
Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	1091	0.7'
6'	273	1.5'
9'	121	2.2'
12'	68	2.9'

Beam Angle: 14°

ART4D 1000 lm, 3000K, Spot

ART4DM10930SP



Luminous Intensity

Gamma	C 0°
0°	3366
5°	2967
10°	2203
15°	1391
20°	775
25°	419
30°	248
35°	167
40°	119
45°	87
50°	62
55°	43
60°	26
65°	15
70°	7
75°	4
80°	2
85°	1
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	862	78
0-40	971	88
0-60	1078	98
0-90	1098	100
0-180	1099	100

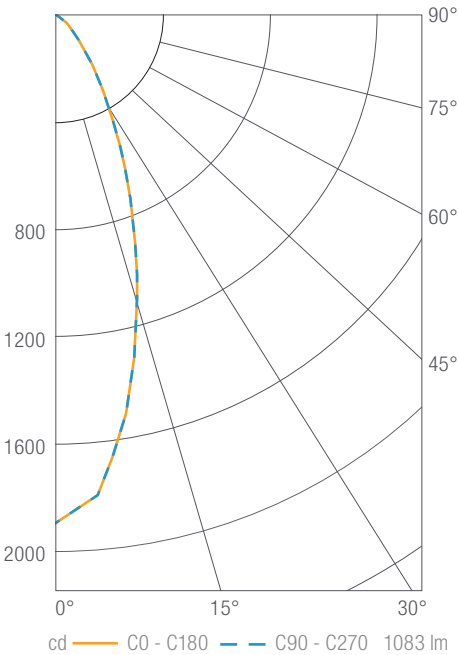
Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	374	1.4'
6'	93	2.8'
9'	42	4.2'
12'	23	5.6'

Beam Angle: 26°

PHOTOMETRY

ART4D 1000 lm, 3000K, Flood
ART4DM10930FL



Luminous Intensity	
Gamma	C 0°
0°	1890
5°	1792
10°	1503
15°	1161
20°	849
25°	589
30°	391
35°	256
40°	162
45°	107
50°	74
55°	51
60°	30
65°	18
70°	8
75°	5
80°	3
85°	1
90°	0

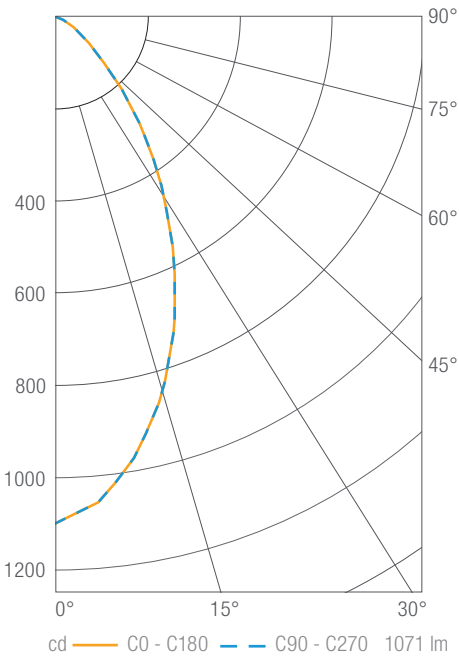
Values in candela

Zonal Lumen Summary		
Zone	Lumens	Luminaire %
0-30	760	70
0-40	925	85
0-60	1058	98
0-90	1081	100
0-180	1083	100

Illuminance Chart		
Distance from LED	Foot Candles	Diameter
3'	210	2.0'
6'	52	4.0'
9'	23	6.0'
12'	13	8.0'

Beam Angle: 37°

ART4D 1000 lm, 3000K, Wide Flood
ART4DM10930WF



Luminous Intensity	
Gamma	C 0°
0°	1100
5°	1058
10°	973
15°	866
20°	743
25°	609
30°	478
35°	361
40°	252
45°	161
50°	102
55°	68
60°	41
65°	24
70°	11
75°	6
80°	4
85°	2
90°	0

Values in candela

Zonal Lumen Summary		
Zone	Lumens	Luminaire %
0-30	620	58
0-40	845	79
0-60	1037	97
0-90	1069	100
0-180	1071	100

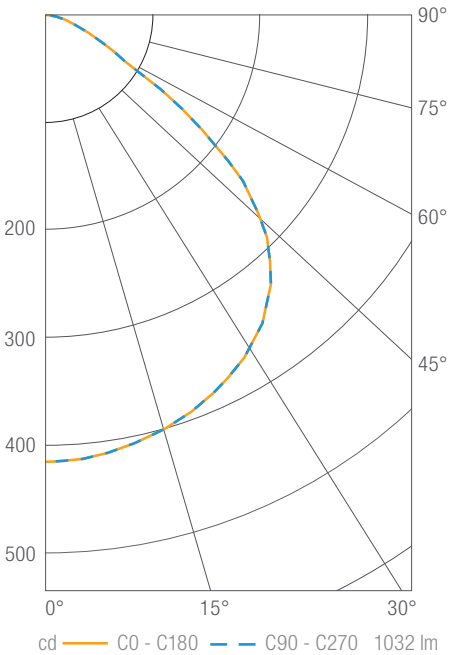
Illuminance Chart		
Distance from LED	Foot Candles	Diameter
3'	122	3.1'
6'	31	6.2'
9'	14	9.3'
12'	8	12.3'

Beam Angle: 55°

PHOTOMETRY

ART4D 1000 lm, 3000K, General Ambient

ART4DM10930GA



Luminous Intensity

Gamma	C 0°
0°	416
5°	415
10°	410
15°	403
20°	394
25°	382
30°	369
35°	351
40°	327
45°	291
50°	240
55°	162
60°	84
65°	54
70°	33
75°	21
80°	12
85°	6
90°	1

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	333	32
0-40	557	54
0-60	942	91
0-90	1024	99
0-180	1032	100

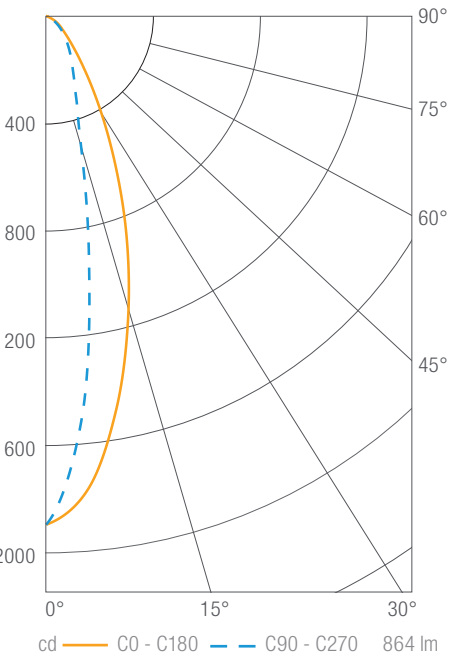
Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	46	7.8'
6'	12	15.5'
9'	5	23.3'
12'	3	31.1'

Beam Angle: 100°

ART4D 1000 lm, 3000K, Linear Spread

ART4DM10930LS



Luminous Intensity

Gamma	C 0°
0°	1876
5°	1755
10°	1480
15°	1165
20°	868
25°	602
30°	399
35°	258
40°	169
45°	114
50°	82
55°	62
60°	43
65°	24
70°	9
75°	6
80°	4
85°	1
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	580	67
0-40	711	82
0-60	836	97
0-90	864	100
0-180	864	100

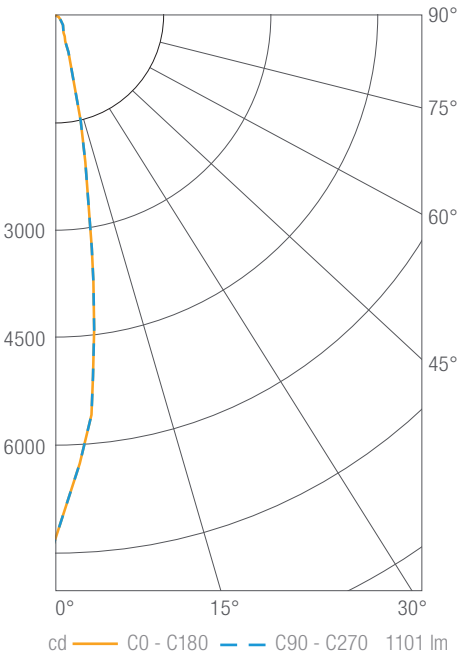
Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	209	2.1'
6'	52	4.2'
9'	23	6.4'
12'	13	8.5'

Beam Angle: 20°

PHOTOMETRY

ART4D 1000 lm, 3000K, Soft Focus
ART4DM10930SF



Luminous Intensity	
Gamma	C 0°
0°	7280
5°	5603
10°	2489
15°	875
20°	381
25°	247
30°	194
35°	161
40°	122
45°	90
50°	64
55°	45
60°	28
65°	16
70°	7
75°	4
80°	2
85°	1
90°	0

Values in candela

Zonal Lumen Summary		
Zone	Lumens	Luminaire %
0-30	868	79
0-40	968	88
0-60	1078	98
0-90	1100	100
0-180	1101	100

Illuminance Chart		
Distance from LED	Foot Candles	Diameter
3'	809	0.9'
6'	202	1.7'
9'	90	2.6'
12'	51	3.4'

Beam Angle: 16°