

DID Series

Integrator Recessed Downlight

4" Round

Project:	Type:
Product Code:	Date:

V120823



OPTICAL

Module

Fixed, Adjustable

Delivered Lumens (Power)

750 lm (9.5W), 1000 lm (12.5W),
1250 lm (14.3W), 1500 lm (16.5W)

Color Quality

93+ CRI, 2-step SDCM

Color Temperature

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

Beam Spread

- Narrow Spot (15°)
- General (90°+)
- Spot (25°)
- Linear
- Flood (40°)
- Soft Focus
- Wide Flood (60°)

PHYSICAL

Aperture

4"

Application

New Construction, Remodel

Shape

Round

Ceiling Thickness

New Construction: ½" up to 1¾"
Remodel: 5/8" up to 1¼"

TRIMS

Shape

Round, Square Conversion

Style

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

Finish

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

SPECIALTY LENSE

- Hexcell Louver

ENGINEERED FOR CUSTOM INTEGRATORS

HIGH PERFORMANCE Produces up to 1500 lumens of 93+ CRI 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

ELECTRICAL & CONTROLS

Input Voltage

120 / 277V

Dimming

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

RATINGS

Housing

- 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
(Fixed Module with Flanged Trim only)
- DarkSky Approved *(Downlight only, CCT less than or equal to 3000K, non-decorative trims only)*





PRODUCT BUILDER

M SERIES HOUSING

PRODUCT CODE		APPLICATION		SHAPE		RATING	
<input type="text"/>		<input type="text"/>		<input type="text"/>		<input type="text"/>	
M4	4" Housing	NC	New Construction	R	Round ⁴	S	Standard ⁴
		CP	Chicago Plenum ¹			F	Fire Rated ⁴
		LT	Low Profile, TRIAC/ELV (3" Plenum) ²				
		DH	Double Housing ^{1,3}				
		RM	Remodel				
		CC	Concrete Construction ²				

DID MODULE

PRODUCT CODE		LUMENS		CRI		CCT		BEAM SPREAD		FINISH		DIMMING	
<div></div>		<div></div>		<div></div>		<div></div>		<div></div>		<div></div>		<div></div>	
DID2M	Downlight	07	750 lm	9	93+ CRI	27	2700K	GA	General Ambient (90°+) ⁵	[Blank]	Black	T	TRIAC/ELV
DID4M	Adjustable	10	1000 lm			30	3000K	NS	Narrow Spot (15°) ⁹	W	White ¹⁰	D	DALI-2 ^{11, 12}
		12	1250 lm ⁵			35	3500K	SP	Spot (25°)				
		15	1500 lm ⁵			40	4000K	FL	Flood (40°)				
						3W	Warm Dim ⁶ (3000K– 1800K)	WF	Wide Flood (60°) ⁵				
						T1	Tunable White ^{7,8} (4000K– 1800K)	LS	Linear Spread				
								SF	Soft Focus				
								NH	Narrow Spot w/ Hex Louver ^{9,10}				
								SH	Spot w/ Hex Louver ¹⁰				
								FH	Flood w/ Hex Louver ¹⁰				

¹ Only available in Standard rating

² Not available for 1500 lm

³ Only available for 750 lm or 1000 lm

⁴ Not available for Concrete Construction installation

⁵ Only available in Fixed module

⁶ Only available in 1000 lm

⁷ Downlight only available in 1000 lm for DALI-2

⁸ Adjustable only available in 750 lm for DALI-2

⁹ Not available in Warm Dim or Tunable White

¹⁰ Only available for Adjustable module

¹¹ Downlight only available in 1000 lm for Tunable White and Warm Dim or 1250 lm with static CCT

¹² Adjustable only available in 750 lm for Tunable White and 1000 lm Warm Dim or static CCT



PRODUCT BUILDER

M SERIES TRIM

PRODUCT CODE		SHAPE		STYLE		FINISH		OPTION	
<div></div>		<div></div>		<div></div>		<div></div>		<div></div>	
M4T	4" Trim	R	Round	S	Standard	WH	White	[Blank]	None
				H	Hyperbolic ¹	BK	Black	DOF	Decorative: Open, Frosted ^{2,4,5,6,7}
				P	Pinhole ^{1,2}	BZ	Bronze	DCF	Decorative: Closed, Frosted ^{2,4,5,6,7}
				W	Wall Wash ^{3,4,5}	CW	Clear Diffuse, White Flange	DCC	Decorative: Closed, Clear, Frosted Side ^{2,4,5,6,7}
				C	Square Conversion ^{4,5}	WW	Warm Diffuse, White Flange	DCCF	Decorative: Closed, Clear, Frosted Inside ^{2,4,5,6,7}
						CC	Custom Color	FL	Flangeless ^{1,8}
								DF	Dead Front ^{4,6,7,9}

M4XRUD	Flangeless Mud Plate <i>(Required for flangeless drywall application)</i>
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¹ Only available in White, Black, Bronze or Custom

² Only available for 750 lm or 1000 lm

³ Not available for 1500 lm

⁴ Only available in Fixed module

⁵ Only available for General Ambient beam spread

⁶ Only available in White or Custom Color finish

⁷ Only available in Standard style

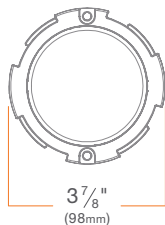
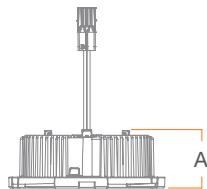
⁸ Not available for Square Conversion or Concrete Construction

⁹ Only available for 750 lm

OPTICS ACCESSORIES

PRODUCT CODE	
<div></div>	
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
DID4X-NS	Adjustable Narrow Spot (15°)
DID4X-SP	Adjustable Spot (25°)
DID4X-FL	Adjustable Flood (40°)
DID4X-LS	Adjustable Linear Spread (60° x 30°)
DID4X-SF	Adjustable Soft Focus
DID4X-OP	Adjustable Optics Kit: Narrow Spot (15°), Spot (25°), Flood (40°), Linear Spread (60° x 30°), Soft Focus

MODULE



Measurements	A
Standard	1 7/16" [37 mm]
1500 lm	2" [50 mm]

DID2

Fixed Downlight

DID2M

SUMMARY

LED CHIP: Cree

DELIVERED MODULE LUMENS: 750 lm (9.5W), 1000 lm (12.5W), 1250 lm (14.3W), 1500 lm (16.5W)

EFFICACY: 79 lm/W, 80 lm/W, 87 lm/W, 90 lm/W

COLOR QUALITY: 93+ CRI, 2-step SDCM

CCT: 2700K, 3000K, 3500K, 4000K

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

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 2019 JA8 compliant, UL Listed for Wet Location (with flanged trims only), UL Certified US-CA, Declare

LIFETIME: 50,000 hours at 70% lumen maintenance

WARRANTY: 10 year limited warranty

WARM DIM OPTION

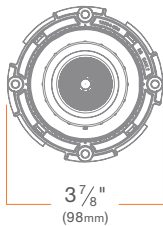
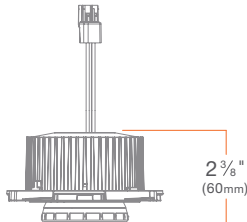
LED: Bridgelux LED, **DELIVERED MODULE LUMENS:** 1000 lm (12.0W),

EFFICACY: 83 lm/W, **CCT RANGE:** 3000K - 1800K, **MAX INPUT**

CURRENT (120V): 0.11 amps, **MAX INPUT CURRENT (277V):** 0.047 amps

*Refer to ENERGY STAR Certified light fixtures database

MODULE



DID4

Adjustable Downlight

DID4M

SUMMARY

ADJUSTMENT: 360° directional aim, 45° tilt**SLOPE CEILING COMPATIBILITY:** up to 45° tilt**LED CHIP:** Cree**DELIVERED MODULE LUMENS:** 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**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 2019 JA8 compliant, UL Listed for Damp Location, UL Certified US-CA, Declare**LIFETIME:** 50,000 hours at 70% lumen maintenance**WARRANTY:** 10 year limited warranty

WARM DIM OPTION

LED: Bridgelux LED, **DELIVERED MODULE LUMENS):** 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

*Refer to ENERGY STAR Certified light fixtures database

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

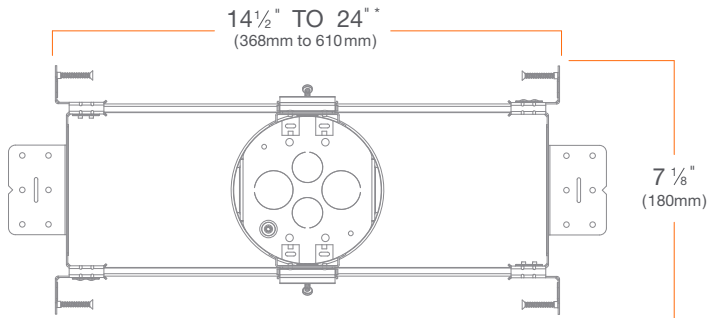
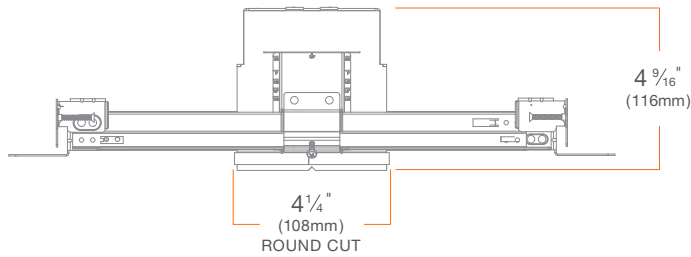
WARRANTY: 5 year limited warranty

New Construction

M4NCRS (Standard)

M4NCRF (Fire Rated)

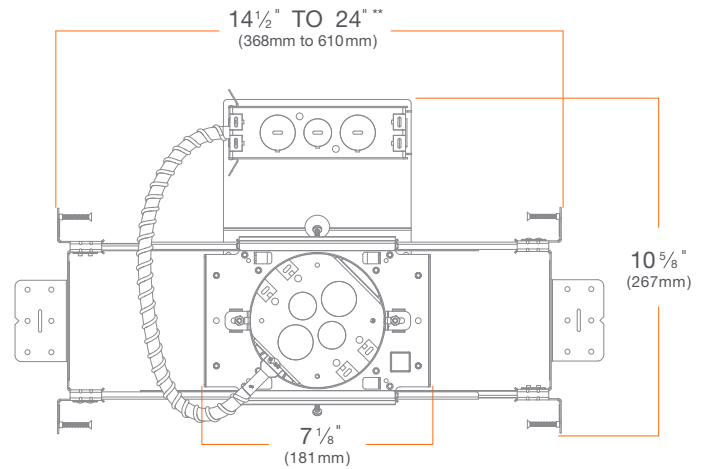
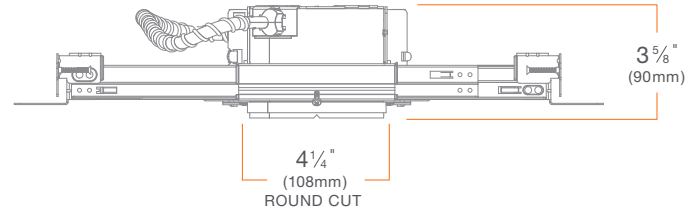
M4CPRS (Chicago Plenum)



Low-Profile

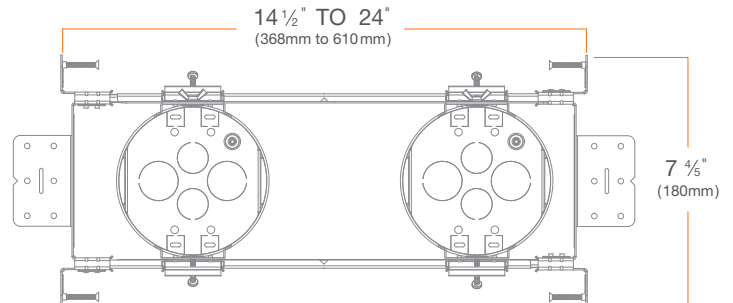
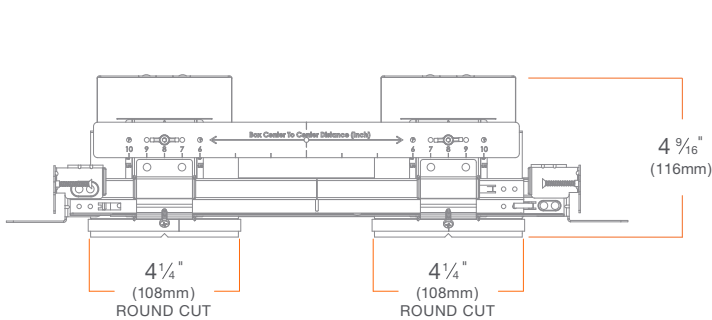
M4LTRS (Standard)

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



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.

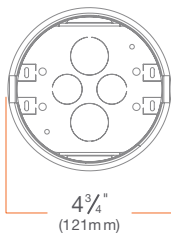
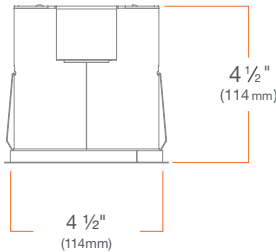
MOUNTING: Pre-installed mounting spring clips

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.

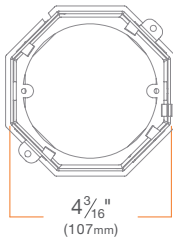
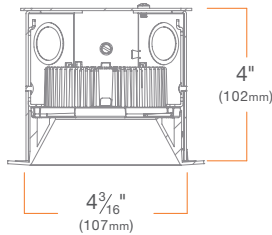
MOUNTING: (2) external tabs for wood, steel or concrete mounting

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

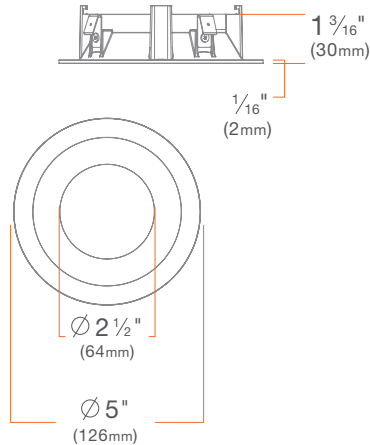
SUMMARY

CONSTRUCTION: Die-cast aluminum

INSTALLATION: Twist & Lock

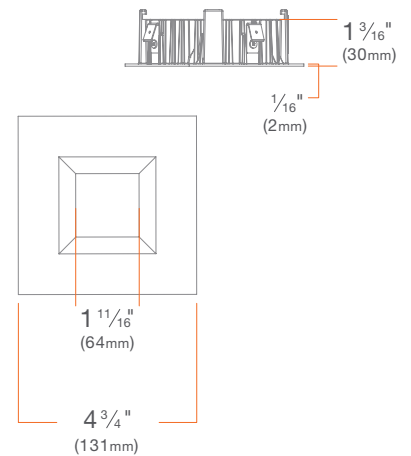
Standard

M4TRSWH



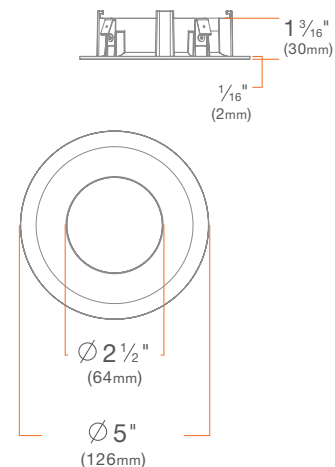
Square Conversion

M4TRCWH



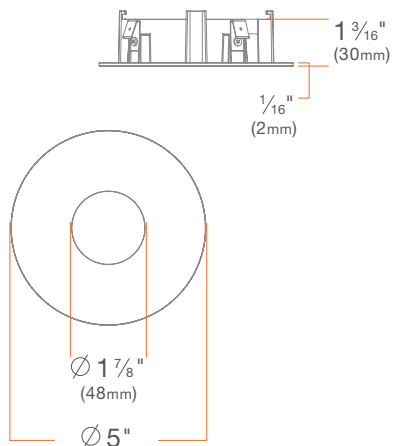
Hyperbolic

M4TRHWH



Pinhole

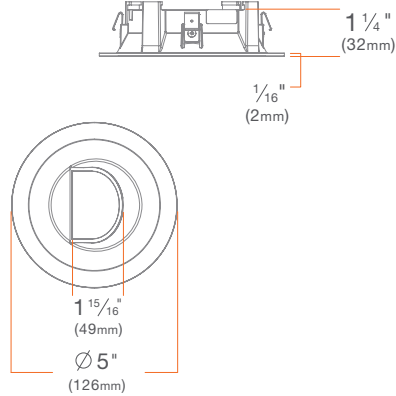
M4TRPWH



TRIMS

Wall Wash

M4TRWWH

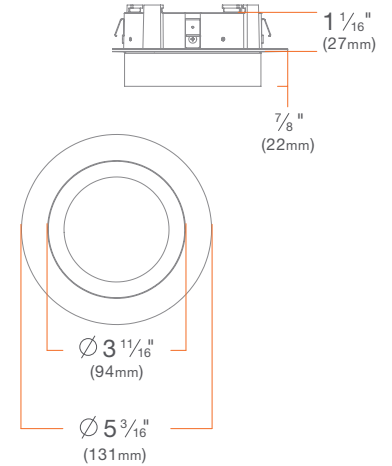


Decorative Closed

Frosted: **M4TRSWHDCF**

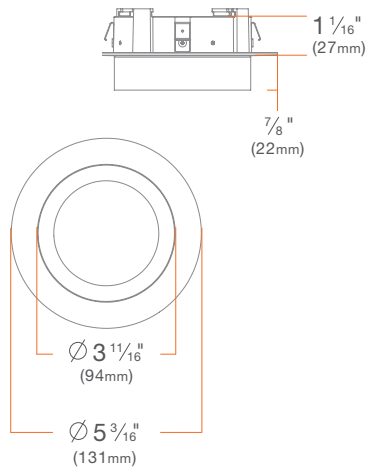
Clear, Frosted Inside: **M4TRSWHDCC**

Clear, Frosted Sides: **M4TRSWHDCCF**



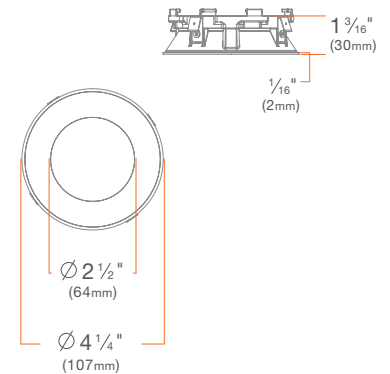
Decorative Open

Frosted: **M4TRSWHDOF**



Flangeless

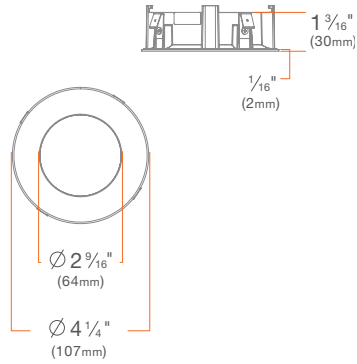
M4TRSWHFL



TRIMS

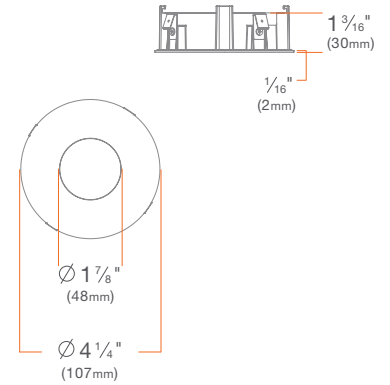
Flangeless Hyperbolic

M4TRHWHFL



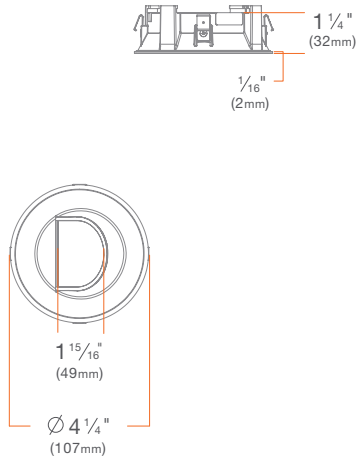
Flangeless Pinhole

M4TRPWHFL



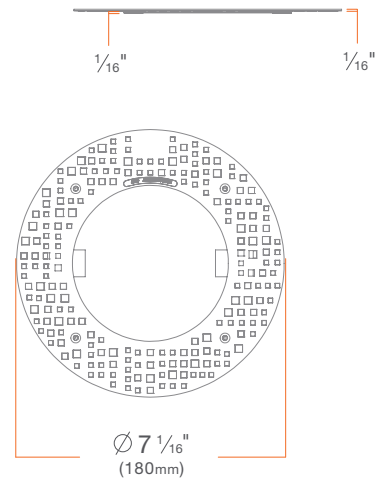
Flangeless Wall Wash

M4TRWWHFL



Flangeless Mud Plate

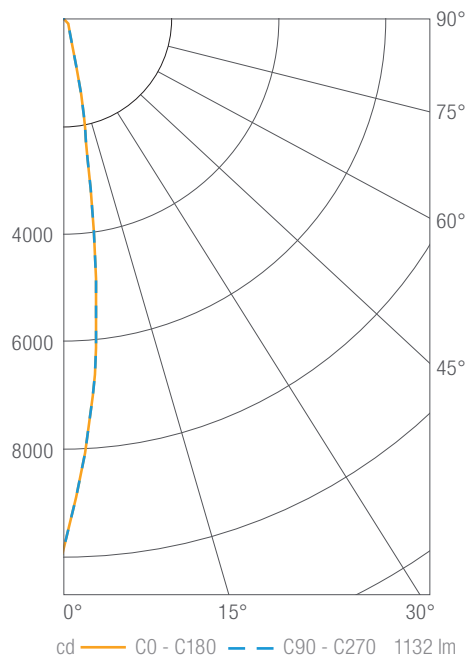
M4XRMUD



PHOTOMETRY

DID2 1000 lm, 3000K, Narrow Spot

DID2M10930NS



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

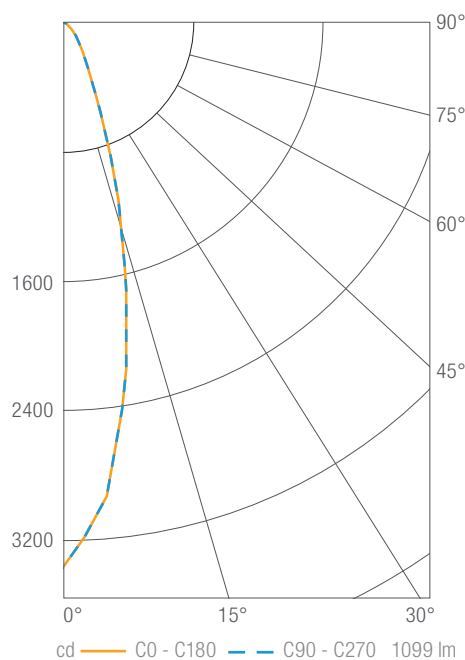
Illuminance Chart

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°

DID2 1000 lm, 3000K, Spot

DID2M10930SP



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

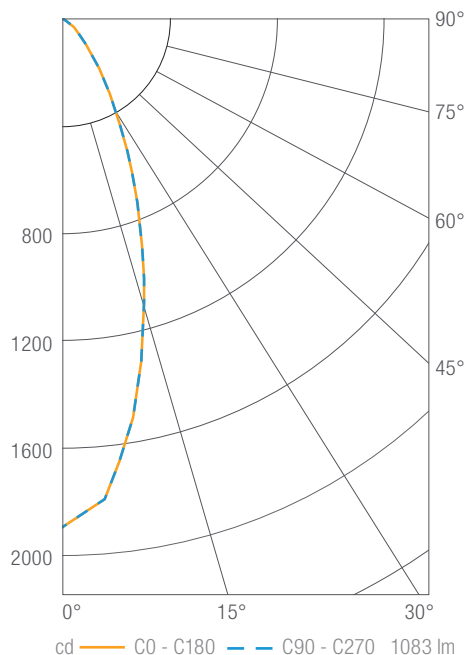
Distance from LED	Foot Candles	Diameter
3'	374	1.4'
6'	93	2.8'
9'	42	4.2'
12'	23	5.6'

Beam Angle: 26°

PHOTOMETRY

DID2 1000 lm, 3000K, Flood

DID2M10930FL



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

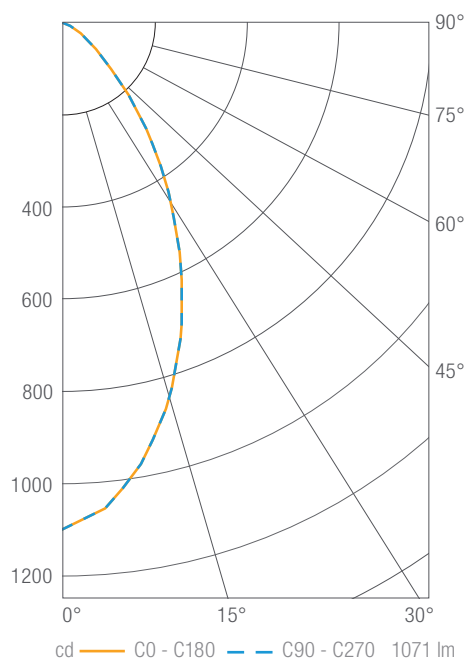
Illuminance Chart

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°

DID2 1000 lm, 3000K, Wide Flood

DID2M10930WF



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

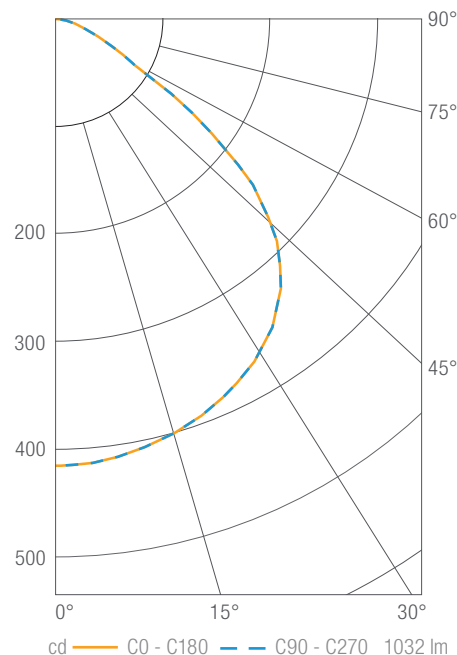
Distance from LED	Foot Candles	Diameter
3'	122	3.1'
6'	31	6.2'
9'	14	9.3'
12'	8	12.3'

Beam Angle: 55°

PHOTOMETRY

DID2 1000 lm, 3000K, General Ambient

DID2M10930GA



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

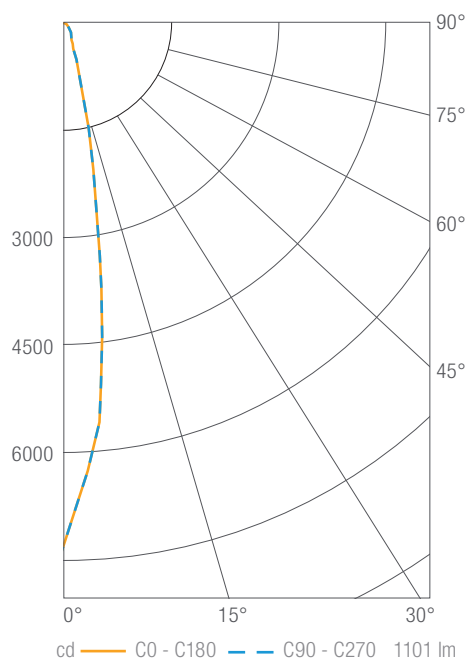
Illuminance Chart

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°

DID2 1000 lm, 3000K, Soft Focus

DID2M10930SF



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

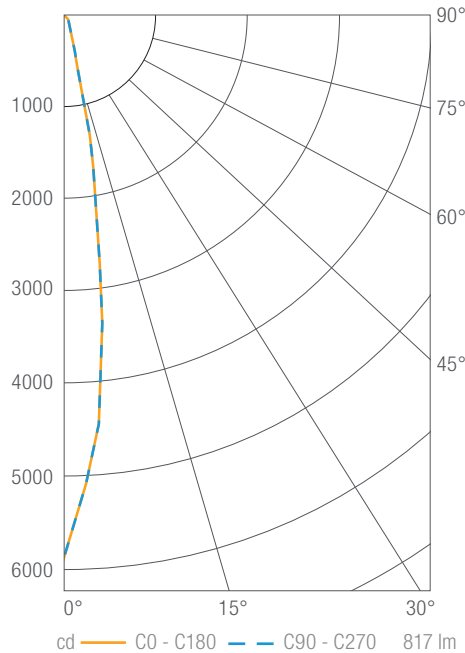
Distance from LED	Foot Candles	Diameter
3'	809	0.9'
6'	202	1.7'
9'	90	2.6'
12'	51	3.4'

Beam Angle: 16°

PHOTOMETRY

DID4 750 lm, 3000K, Narrow Spot

DID4M07930NS



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

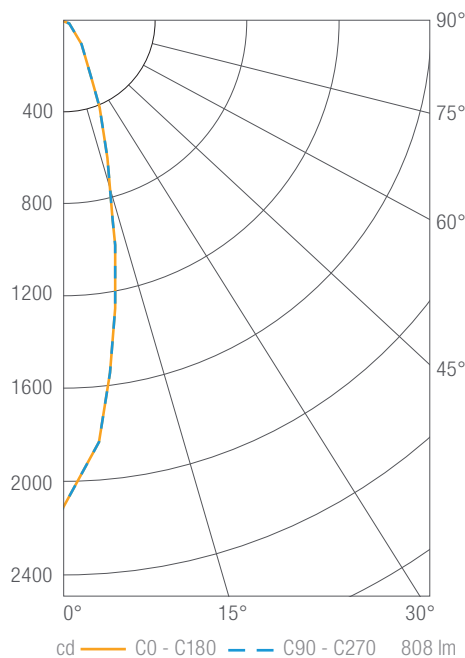
Illuminance Chart

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°

DID4 750 lm, 3000K, Spot

DID4M07930SP



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'

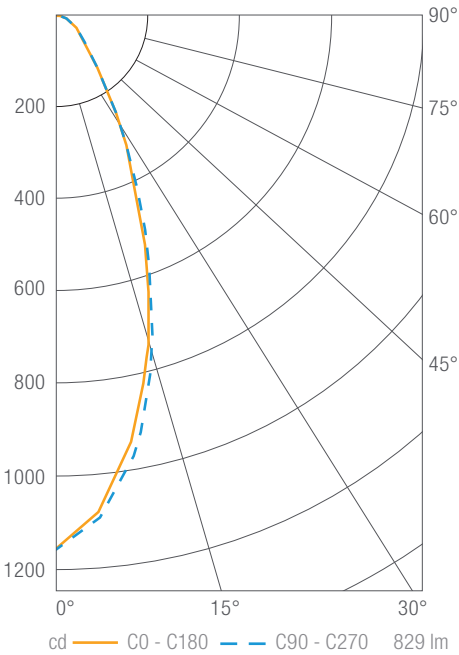
Beam Angle: 28°



PHOTOMETRY

DID4 750 lm, 3000K, Flood

DID4M07930FL



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°