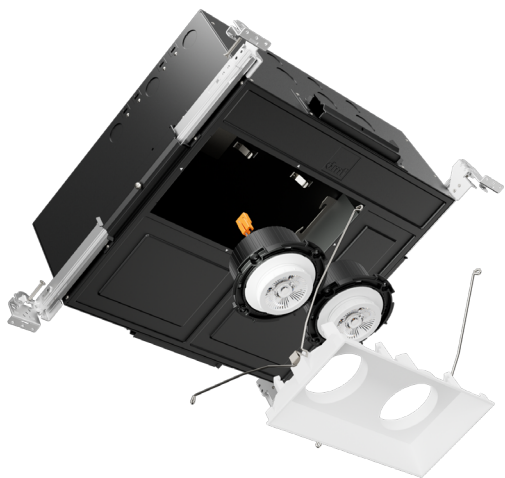


# M Series Multiples

Project:	Type:
Product Code:	Date:

V032125



- Rectangular Multiple options based around our 4" adjustable module maintain clean lines in the ceiling while providing maximum light output
- Multi-directional adjustment with 360 degree directional aim and 45 degree tilt precisely highlights focal points throughout the interior.
- Diecast unibody trims integrate up to three lights into one fixture and provide industry leading flexibility in a seamless package.
- Integrated driver options allow for dimming options down to 0.1% and individual module control if desired.

## INSTALLATION

### Ceiling Thickness

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

### Ceiling Material

Drywall, Millwork (Flanged Only)

## TRIMS

### Shape

Square (1-Head)  
Rectangular (2-Head, 3-Head)

### Style

Standard, Flangeless

### Finish

White, Black

## SPECIALTY LENS

Hexcell Louver

## LIGHT OUTPUT & DISTRIBUTION

### Module

Adjustable

### Adjustment

360° Directional 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

- ▲ 15° Narrow Spot    ▲ 60° x 30° Linear Spread  
▲ 25° Spot    ▲ Soft Focus  
▲ 40° Flood

## POWER & CONTROLS

### Input Voltage

120 / 277V

### Dimming

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

## RATINGS & CERTIFICATIONS

### Housing

- IC (Insulation Contact) Rated
- ASTM E283 Certified Air Tight
- RoHS Compliant

### Module and Trim

- UL Listed for Damp Location

## WARRANTY

5 year limited warranty; 50,000 hours



## PRODUCT BUILDER

### MULTIPLES HOUSING

PRODUCT CODE		SHAPE
<b>M4NCS</b>		
<b>M4NCS</b>	Multiples New Construction	<b>1S</b> 1-Head
		<b>2S</b> 2-Head
		<b>3S</b> 3-Head

### MODULE 1 *(One Module Required per Fixture Head, Modules and Trims Must be Ordered Together)*

PRODUCT CODE		LUMENS		CRI	CCT		BEAM SPREAD		FINISH		DIMMING	
<b>DRD4M</b>				<b>9</b>								
<b>DRD4M</b>	Adjustable	<b>07</b>	750 lm	<b>9</b>	93 CRI	<b>27</b>	2700K	<b>NS</b>	Narrow Spot (15°) <sup>3</sup>	<b>[Blank]</b>	Black	<b>T</b> TRIAC/ELV
		<b>10</b>	1000 lm			<b>30</b>	3000K	<b>SP</b>	Spot (25°)	<b>W</b>	White	<b>O</b> 0-10V
						<b>35</b>	3500K	<b>FL</b>	Flood (40°)			<b>D</b> DALI-2 <sup>1</sup>
						<b>40</b>	4000K	<b>LS</b>	Linear Spread			
						<b>3W</b>	Warm Dim (3000K–1800K) <sup>1</sup>	<b>SF</b>	Soft Focus			
						<b>T1</b>	Tunable White (4000K–1800K) <sup>2</sup>	<b>NH</b>	Narrow Spot Hexcell Louver <sup>3,4</sup>			
						<b>T2</b>	Tunable White (6500K–2700K) <sup>2</sup>	<b>SH</b>	Spot Hexcell Louver <sup>4</sup>			
								<b>FH</b>	Flood Hexcell Louver <sup>4</sup>			
								<b>WH</b>	Wide Flood Hexcell Louver <sup>4</sup>			

### MODULE 2 *(As Needed, One Module Required per Fixture Head, Modules and Trims Must be Ordered Together)*

PRODUCT CODE		LUMENS		CRI	CCT		BEAM SPREAD		FINISH		DIMMING	
<b>DRD4M</b>				<b>9</b>								
<b>DRD4M</b>	Adjustable	<b>07</b>	750 lm	<b>9</b>	93 CRI	<b>27</b>	2700K	<b>NS</b>	Narrow Spot (15°) <sup>3</sup>	<b>[Blank]</b>	Black	<b>T</b> TRIAC/ELV
		<b>10</b>	1000 lm			<b>30</b>	3000K	<b>SP</b>	Spot (25°)	<b>W</b>	White	<b>O</b> 0-10V
						<b>35</b>	3500K	<b>FL</b>	Flood (40°)			<b>D</b> DALI-2 <sup>1</sup>
						<b>40</b>	4000K	<b>LS</b>	Linear Spread			
						<b>3W</b>	Warm Dim (3000K–1800K) <sup>1</sup>	<b>SF</b>	Soft Focus			
						<b>T1</b>	Tunable White (4000K–1800K) <sup>2</sup>	<b>NH</b>	Narrow Spot Hexcell Louver <sup>3,4</sup>			
						<b>T2</b>	Tunable White (6500K–2700K) <sup>2</sup>	<b>SH</b>	Spot Hexcell Louver <sup>4</sup>			
								<b>FH</b>	Flood Hexcell Louver <sup>4</sup>			
								<b>WH</b>	Wide Flood Hexcell Louver <sup>4</sup>			

<sup>1</sup> Only available in 1000 lm Static CCT or Warm Dim & 750 lm Tunable White

<sup>2</sup> Only available in 750 lm DALI-2 dimming

<sup>3</sup> Not available in Warm Dim CCT or Tunable White CCT

<sup>4</sup> Not available for DALI-2 dimming

## PRODUCT BUILDER

### MODULE 3 *(As Needed, One Module Required per Fixture Head, Modules and Trims Must be Ordered Together)*

PRODUCT CODE		LUMENS		CRI		CCT		BEAM SPREAD		FINISH		DIMMING	
<b>DRD4M</b>				<b>9</b>									
<b>DRD4M</b>	Adjustable	<b>07</b>	750 lm	<b>9</b>	93 CRI	<b>27</b>	2700K	<b>NS</b>	Narrow Spot (15°) <sup>3</sup>	<b>[Blank]</b>	Black	<b>T</b>	TRIAC/ELV
		<b>10</b>	1000 lm			<b>30</b>	3000K	<b>SP</b>	Spot (25°)	<b>W</b>	White	<b>O</b>	0-10V
						<b>35</b>	3500K	<b>FL</b>	Flood (40°)			<b>D</b>	DALI-2 <sup>1</sup>
						<b>40</b>	4000K	<b>LS</b>	Linear Spread				
						<b>3W</b>	Warm Dim (3000K–1800K) <sup>1</sup>	<b>SF</b>	Soft Focus				
						<b>T1</b>	Tunable White (4000K–1800K) <sup>2</sup>	<b>NH</b>	Narrow Spot Hexcell Louver <sup>3,4</sup>				
						<b>T2</b>	Tunable White (6500K–2700K) <sup>2</sup>	<b>SH</b>	Spot Hexcell Louver <sup>4</sup>				
								<b>FH</b>	Flood Hexcell Louver <sup>4</sup>				
								<b>WH</b>	Wide Flood Hexcell Louver <sup>4</sup>				

<sup>1</sup> Only available in 1000 lm Static CCT or Warm Dim & 750 lm Tunable White

<sup>2</sup> Only available in 750 lm DALI-2 dimming

<sup>3</sup> Not available in Warm Dim CCT or Tunable White CCT

<sup>4</sup> Not available for DALI-2 dimming

### MULTIPLES TRIM

PRODUCT CODE		SHAPE		FINISH		STYLE	
<b>M4T</b>							
<b>M4T</b>	Multiples Trim	<b>1S</b>	1-Head	<b>WH</b>	White	<b>[Blank]</b>	Standard
		<b>2S</b>	2-Head	<b>BK</b>	Black	<b>FL</b>	Flangeless <sup>5</sup>
		<b>3S</b>	3-Head				

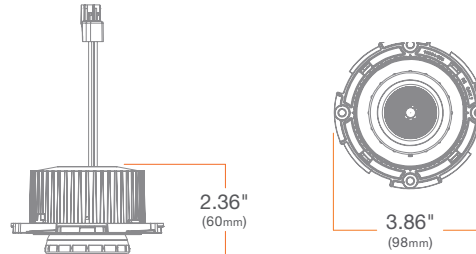
<sup>5</sup> Mudplate is required for all Flangeless trims; Not available in Wood Application

<b>M4XSMUD</b>	1-Head Flangeless Mudplate <i>(Required for Flangeless Trim drywall installation)</i>
<b>M4XS2MUD</b>	2-Head Flangeless Mudplate <i>(Required for Flangeless Trim drywall installation)</i>
<b>M4XS3MUD</b>	3-Head Flangeless Mudplate <i>(Required for Flangeless Trim drywall installation)</i>

### OPTICS ACCESSORIES

PRODUCT CODE	
<b>DRD4X-NS</b>	Narrow Spot (15°)
<b>DRD4X-SP</b>	Spot (25°)
<b>DRD4X-FL</b>	Flood (40°)
<b>DRD4X-LS</b>	Linear Spread (60° x 30°)
<b>DRD4X-SF</b>	Soft Focus
<b>DRD4X-OP</b>	Optics Kit: Narrow Spot (15°), Spot (25°), Flood (40°), Linear Spread (60° x 30°), Soft Focus

## MODULE



## SUMMARY

	STATIC CCT	WARM DIM	TUNABLE WHITE
<b>CCT</b>	2700K, 3000K, 3500K, 4000K	3000K - 1800K	4000K - 1800K; 6500K - 2700K
<b>LUMENS (POWER)</b>	750 lm (9.5W), 1000 lm (12.5W)	1000 lm (12.5W)	750 lm (12.5W)
<b>EFFICACY</b>	79 lm/W, 80 lm/W	80 lm/W	60 lm/W
<b>COLOR QUALITY</b>	93 CRI <sup>1</sup> , 2-step SDCM	93 CRI <sup>1</sup> , 2-step SDCM	93 CRI <sup>1</sup> , 3-step SDCM
<b>BEAM SPREAD</b>	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
<b>DIMMING</b>	0-10V, TRIAC/ELV <sup>2</sup> , DALI-2	0-10V, TRIAC/ELV <sup>2</sup> , DALI-2	DALI-2
<b>LED CHIP</b>	Cree	Bridgelux	Bridgelux
<b>LISTINGS</b>	ENERGY STAR <sup>®</sup> qualified <sup>3</sup> , California Title 24 2016-2022 JA8-E compliant, UL Listed for Damp Location, UL Certified US-CA, Declare, RoHS compliant, DALI-2 Compliant		
<b>ADJUSTMENT</b>	360° directional aim, 45° tilt		
<b>SLOPE CEILING COMPATIBILITY</b>	Up to 45°		

<sup>1</sup> Tested in accordance to IESNA LM-79-2008

<sup>2</sup> Dimming at 120V only

<sup>3</sup> Refer to ENERGY STAR Certified light fixtures database

## ADDITIONAL

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

**MAX INPUT CURRENT (120V):** 0.13 amps

**MAX INPUT CURRENT (277V):** 0.065 amps

**CONNECTOR:** PowerPlug<sup>®</sup> 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

## MODULE PERFORMANCE

Based on 93 CRI, 3000K Module + STD White + Trim (M4T1SWH)

(Please refer to IES files for other trim types)

		STATIC CCT		WARM DIM	T1 TUNABLE WHITE	T2 TUNABLE WHITE
<b>LED CHIP</b>		CREE 93 CRI		Bridgelux 93 CRI		
<b>SDCM</b>		2-STEP		3-STEP		
<b>PN DESIGNATION</b>		<b>07</b>	<b>10</b>	<b>10</b>	<b>07</b>	<b>07</b>
<b>WATTAGE</b>		<b>9.5W</b>	<b>12.5W</b>	<b>12.5W</b>	<b>12.5W</b>	<b>12.5W</b>
<b>NS</b>	Lumens	714	968	N/A		
	LPW <sup>1</sup>	75.2	77.4			
	CBCP <sup>2</sup>	5159	6990			
	UGR <sup>3</sup>	14.5	15.6			
<b>SP</b>	Lumens	698	946	891	806	828
	LPW	73.5	75.7	71.3	64.5	66.2
	CBCP	1820	2466	2322	2099	2158
	UGR	15.4	16.5	16.3	15.9	16
<b>FL</b>	Lumens	709	961	906	819	841
	LPW	74.6	76.9	72.5	65.5	67.3
	CBCP	991	1343	1264	1143	1175
	UGR	18.3	19.3	19.1	18.7	18.8

		STATIC				WARM DIM		T1 TUNABLE WHITE			T2 TUNABLE WHITE		
<b>CCT MULTIPLIER</b>	2700K	3000K	3500K	4000K	1800K	3000K	1800K	3000K	4000K	2700K	3000K	6500K	
	0.93	1	1.05	1.07	0.05	1	0.7	1	1.12	0.96	1	1.07	

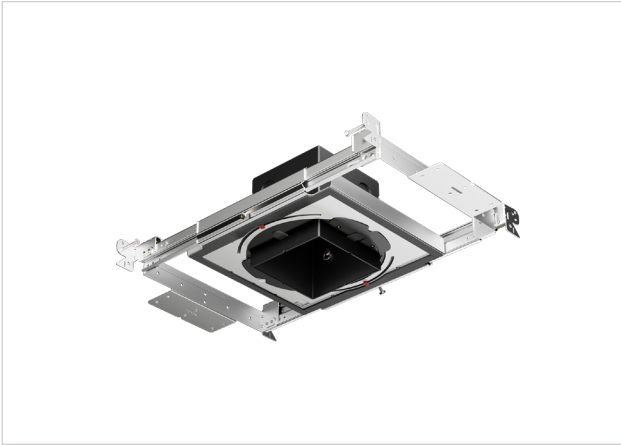
<b>HEXCELL LOUVER MULTIPLIER</b>	0.6
<b>EMERGENCY BATTERY MULTIPLIER</b>	LPW x 5

<sup>1</sup> LPW: Lumen per watt

<sup>2</sup> CBCP: Center beam candlepower

<sup>3</sup> UGR: Unified glare ratio (0.7/0.5/0.2, 4H/8H)

## MULTIPLES HOUSING



### 1-Head

New Construction

**M4NCS1S**

#### 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.

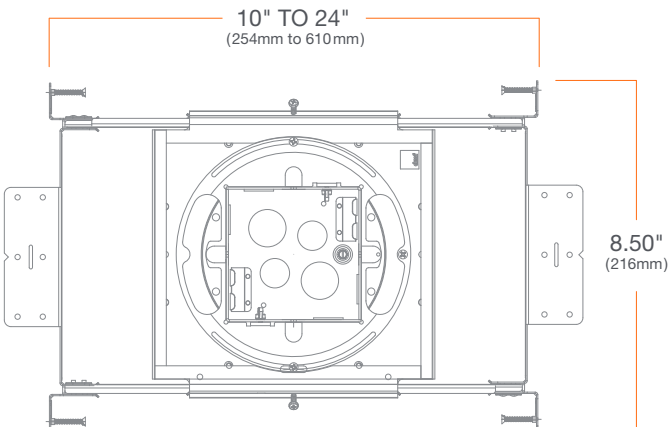
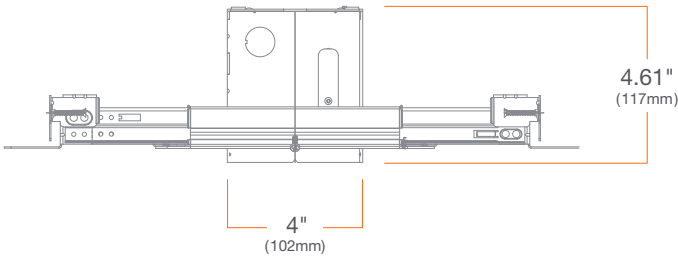
**MOUNTING:** Pre-installed mounting brackets allow vertical adjustment of bar hangers up to 1 1/4".

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

**CUTOUT:** 4" (102mm) square opening

**LISTINGS:** ASTM E283 certified Air Tight, IC (Insulation Contact) rated

**WARRANTY:** 5 year limited warranty



## MULTIPLES HOUSING



## 2-Head

New Construction

**M4NCS2S**

### SUMMARY

**JUNCTION BOX:** Equipped with 26 knockouts: three 1/2" trade size knockouts per side, three 3/4" trade size knockouts on two walls and four romex knockouts on two walls. Approved for 8 (four in, four out) #12 AWG 70°C

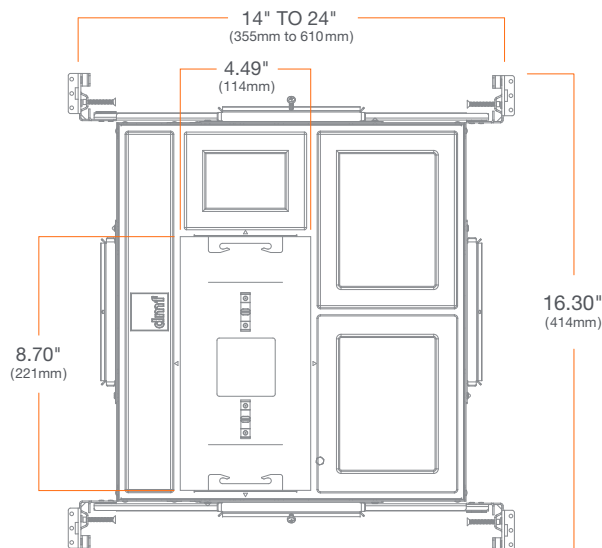
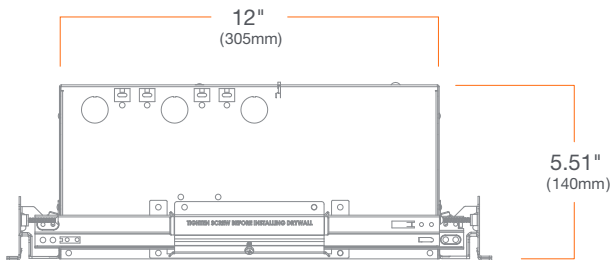
**BAR HANGER MOUNTING:** Adjustable Bar Hangers for 16" to 24" on-center joist spacing. Compatible with traditional joists, Armstrong™ ceiling and T-Bar

**CEILING:** 1/2" up to 1 1/4"

**CUTOUT:** 4 1/2" (114mm) x 8 5/8" (221mm) rectangular opening

**LISTINGS:** ASTM E283 certified Air Tight, IC (Insulation Contact) rated

**WARRANTY:** 5 year limited warranty



## MULTIPLES HOUSING



### 3-Head

New Construction

**M4NCS3S**

#### SUMMARY

**JUNCTION BOX:** Equipped with 26 knockouts: three 1/2" trade size knockouts per side, three 3/4" trade size knockouts on two walls and four romex knockouts on two walls. Approved for 8 (four in, four out) #12 AWG 70°C

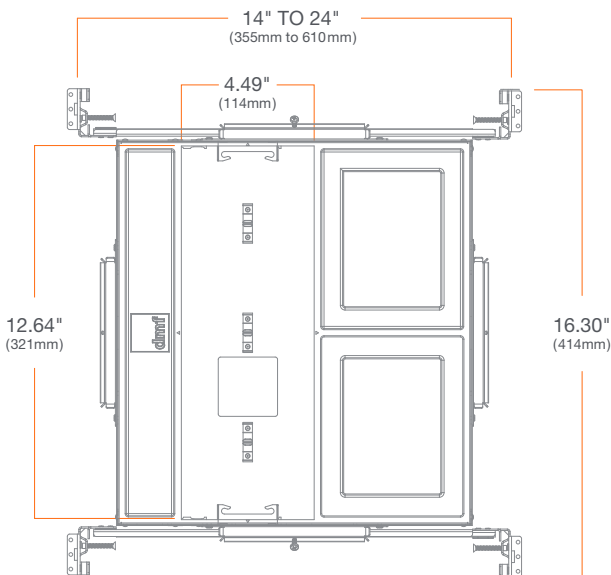
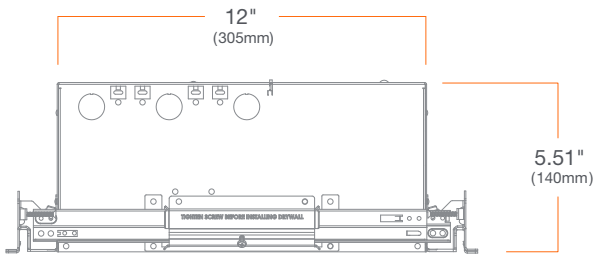
**BAR HANGER MOUNTING:** Adjustable Bar Hangers for 16" to 24" on-center joist spacing. Compatible with traditional joists, Armstrong™ ceiling and T-Bar

**CEILING:** 1/2" up to 1 1/4"

**CUTOUT:** 4 1/2" (114mm) x 12.64" (321mm) rectangular opening

**LISTINGS:** ASTM E283 certified Air Tight, IC (Insulation Contact) rated

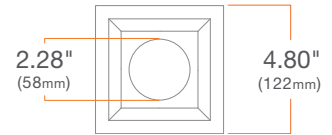
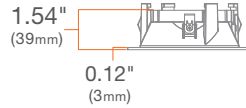
**WARRANTY:** 5 year limited warranty



MULTIPLES TRIMS

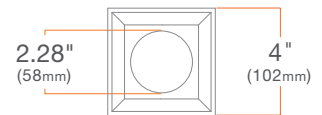
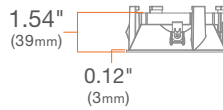
1-Head Standard

M4T1SWH



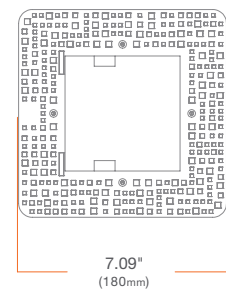
1-Head Flangeless

M4T1SWHFL



Square Flangeless Mudplate

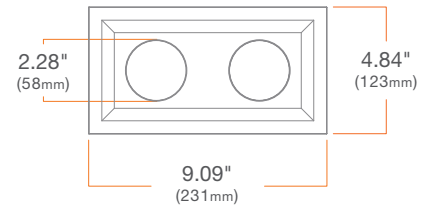
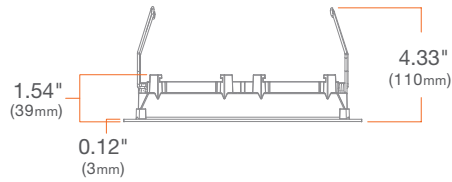
M4XSMUD



MULTIPLES TRIMS

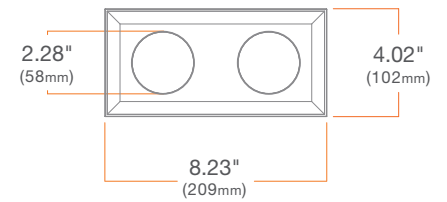
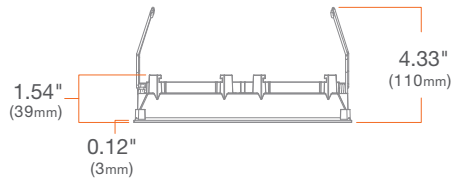
2-Head Standard

M4T2SWH



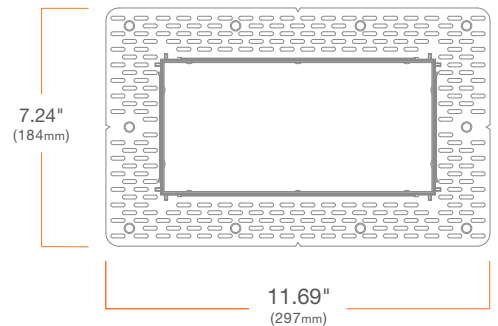
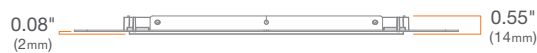
2-Head Flangeless

M4T2SWHFL



2-Head Flangeless Mudplate

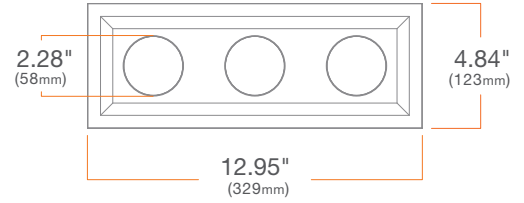
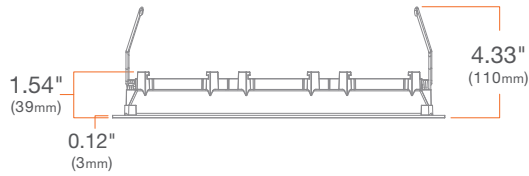
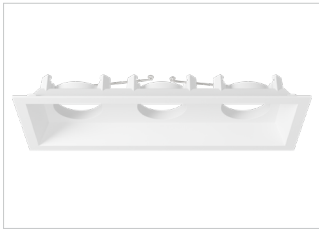
M4XS2MUD



## MULTIPLES TRIMS

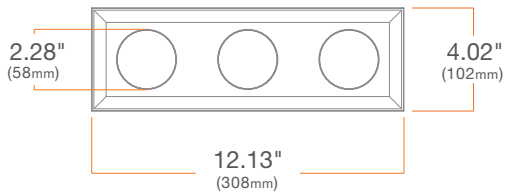
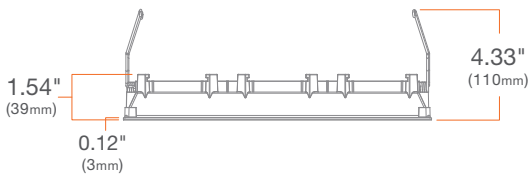
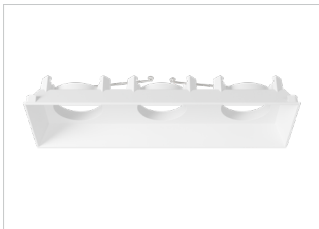
### 3-Head Standard

**M4T3SWH**



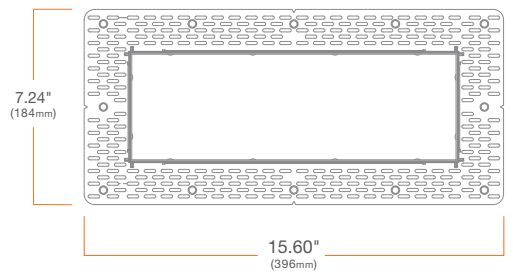
### 3-Head Flangeless

**M4T3SWHFL**



### 3-Head Flangeless Mudplate

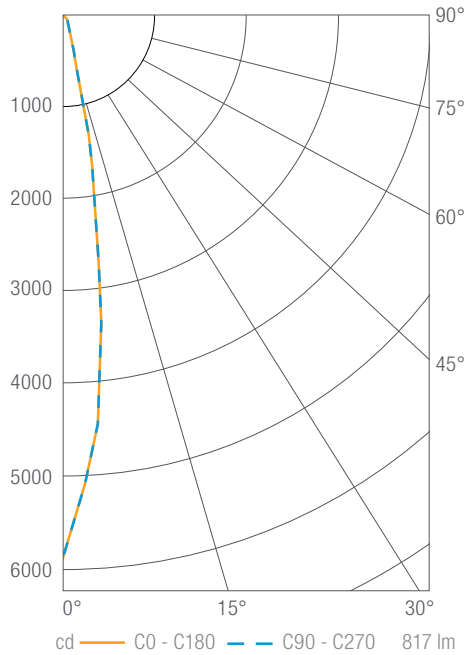
**M4XS3MUD**



## 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

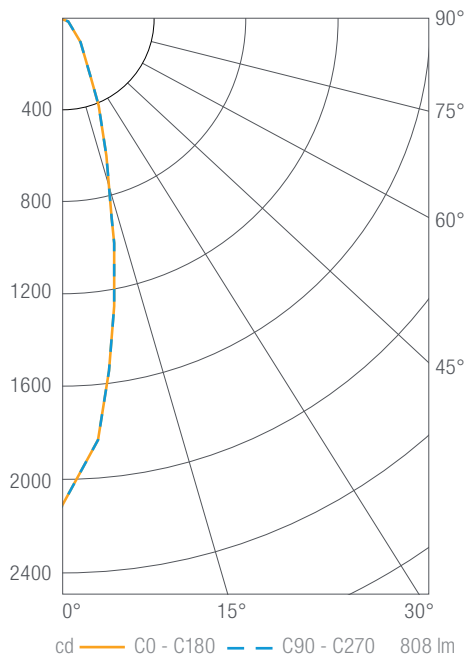
Illuminance Chart

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

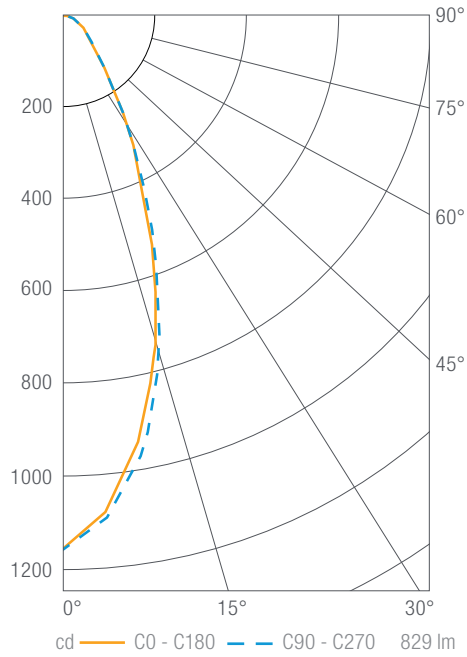
Distance from LED	Foot Candles	Diameter
3'	234	1.3'
6'	58	2.6'
9'	26	3.9'
12'	15	5.2'

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°