

Project:	Type:
Product Code:	Date:

V032525



## Artafex 4" Square 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 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"  
 Remodel: 5/8" up to 1 1/4"  
 Low Profile: 1/2" up to 1 1/4"

#### Ceiling Material

Drywall, Millwork, Concrete

### TRIMS

#### Style

Standard, Flangeless, Round on Square, Wall Wash, Pinhole, Decorative

#### Finish

White, Black, Bronze, Clear Diffuse, Custom Color

### LIGHT OUTPUT & DISTRIBUTION

#### Module

Downlight

#### Lumens (Power)

1000 lm (14.5W)







#### Color Quality

True Spectrum®, 3-step SDCM

#### Color Temperature

 Tunable White (4000K-1800K)

#### Beam Spread

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

### POWER & CONTROLS








#### Input Voltage

120 / 277V

#### Dimming

PhaseX (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
-  Code compliant for use in fire-rated assemblies up to a maximum of 2-hours
-  NSF Listed (White and Black Finish Only)

### WARRANTY

5 year limited warranty; 50,000 hours



## PRODUCT BUILDER

### HOUSING

PRODUCT CODE		APPLICATION		SHAPE		RATING	
M4				S			
M4	4" Housing	NC	New Construction	S	Square	S	Standard
		CP	Chicago Plenum <sup>1</sup>			F	Fire Rated
		LT	Low Profile, TRIAC/ELV (3" Plenum)				
		RM	Remodel				
		SF	Spray Foam <sup>1</sup>				

<sup>1</sup> Only available in Standard rating

### GATEWAY

PRODUCT CODE	
ART-GWX	
ART-GWX	DMX Input

### ARTAFEX MODULE

PRODUCT CODE		LUMENS		CRI		CCT		BEAM SPREAD		FINISH		DIMMING	
ART4D		10		T		T1				-		X	
ART4D	Downlight	10	1000 lm	T	True Spectrum®	T1	Tunable White (4000K- 1800K)	GA	General Ambient (90°+)	[Blank]	Black	X	PhaseX
								SP	Spot (25°)				
								FL	Flood (40°)				
								WF	Wide Flood (60°)				
								LS	Linear Spread (40° x 20°)				
								SF	Soft Focus				

### TRIM

PRODUCT CODE		FINISH		OPTION	
M4TS					
M4TS	Standard	WH	White	[Blank]	None
M4TQ	Round on Square	BK	Black	DCF	Decorative: Closed, Frosted <sup>4</sup>
M4TP	Pinhole <sup>2</sup>	BZ	Bronze	DCCF	Decorative: Closed, Clear, Frosted Inside <sup>4</sup>
M4TL	Wall Wash/Sloped Ceiling <sup>3</sup>	CW	Clear Diffuse, White Flange	FL	Flangeless <sup>5</sup>
		CC	Custom Color (RAL Colors)		

### ACCESSORIES

M4XSMUD	Flangeless Mud Plate (Required for flangeless drywall application)
M4KSTEMPLATE	Wood Template (Recommended for flangeless trim wood installation)

<sup>2</sup> Only available in White, Black or Custom Color finish and available in 750 lm or 1000 lm

<sup>3</sup> Recommended with General Ambient beam spread for general wallwashing and Spot Beam Spread for sloped ceiling; Not available in Bronze finish

<sup>4</sup> Only available in General Ambient beam spread and Standard style, White finish

<sup>5</sup> Mudplate is required for all Flangeless trims except for wood ceiling applications; Not available in Clear Diffuse finish

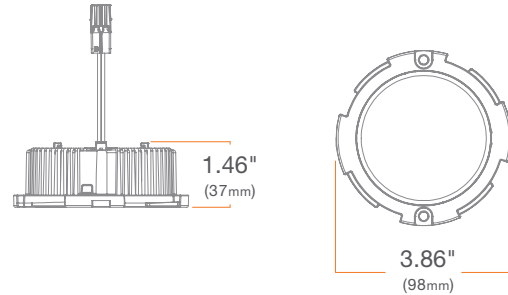
## PRODUCT BUILDER

---

### OPTICS ACCESSORIES

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

## DOWNLIGHT MODULE



### SUMMARY

#### TUNABLE WHITE

<b>CCT</b>	4000K - 1800K
<b>LUMENS (POWER)</b>	1000 lm (14.5W)
<b>EFFICACY</b>	71 lm/W
<b>COLOR QUALITY</b>	True Spectrum® 93 CRI, 3-step SDCM
<b>DIMMING</b>	PhaseX
<b>LED CHIP</b>	Bridgelux
<b>BEAM SPREAD</b>	General Ambient (90°+), Spot (25°), Flood (40°), Wide Flood (60°), Linear Spread (40° x 20°), Soft Focus
<b>LISTINGS</b>	ENERGY STAR® qualified <sup>1</sup> , 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 <sup>2</sup>

<sup>1</sup> Refer to ENERGY STAR Certified light fixtures database

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

### 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 12 knockouts: four 1/2" trade size knockouts on side, two 3/4" and two 1/2" trade size knockouts on top and 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" (102mm) square 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):** 0.090 amps, 0.107 amps

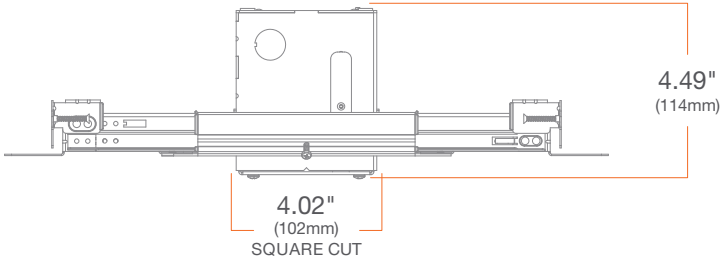
**MAX INPUT CURRENT (277V):** 0.042 amps, 0.050 amps

**POWER FACTOR:** Greater than 0.9

**TOTAL HARMONIC DISTORTION:** Less than 20%

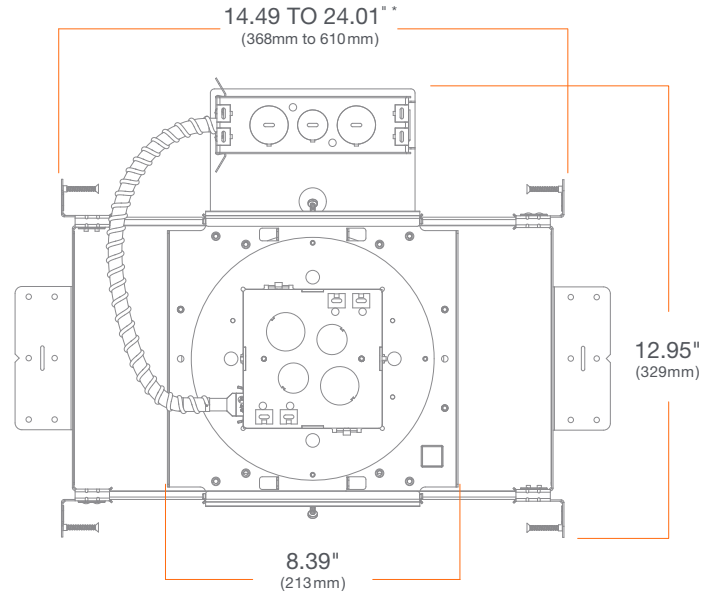
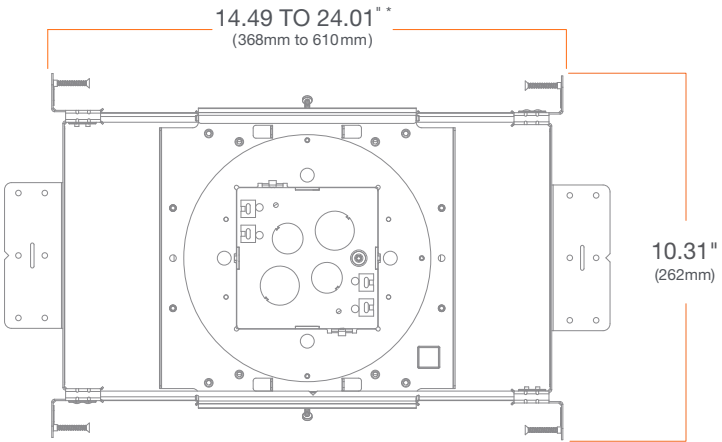
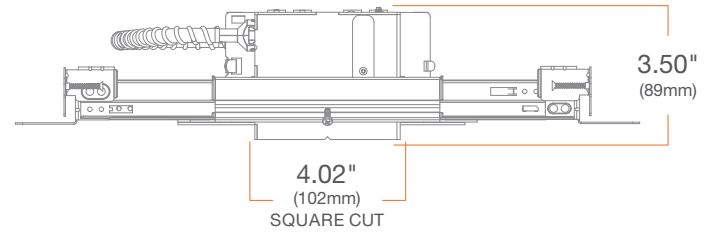
### New Construction

- M4NCSS (Standard)
- M4NCSE (Fire Rated)
- M4CPSS (Chicago Plenum)



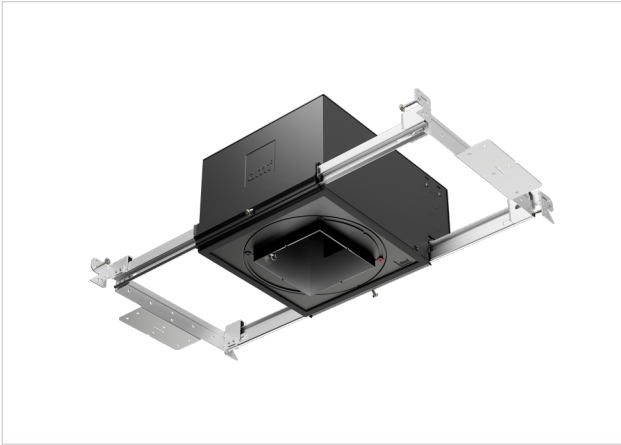
### Low-Profile

- M4LTSS (Standard)
- M4LTSE (Fire Rated)



\* Can be field cut to minimum 10" (254mm)

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

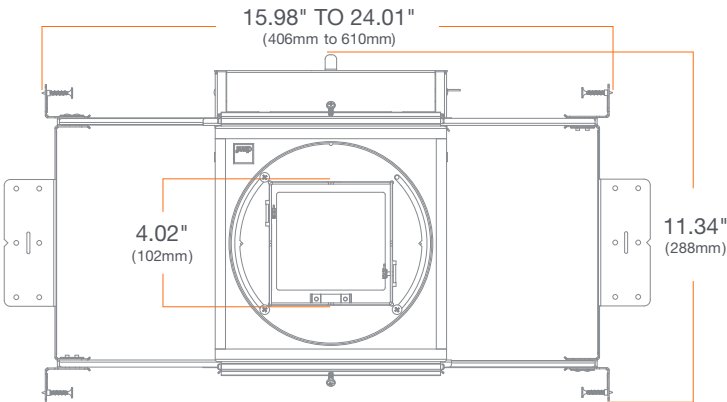
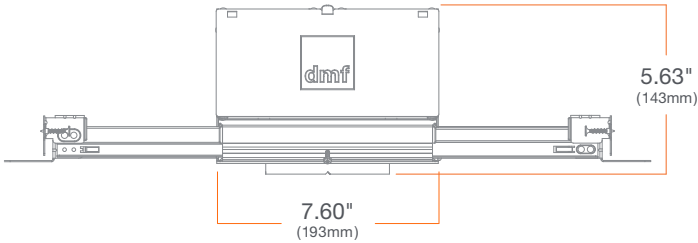
**MOUNTING:** Adjustable Bar Hanger for 16" to 24" joist spacing. Compatible with traditional joists, Armstrong™ ceiling, Hat Channel and T-bar

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

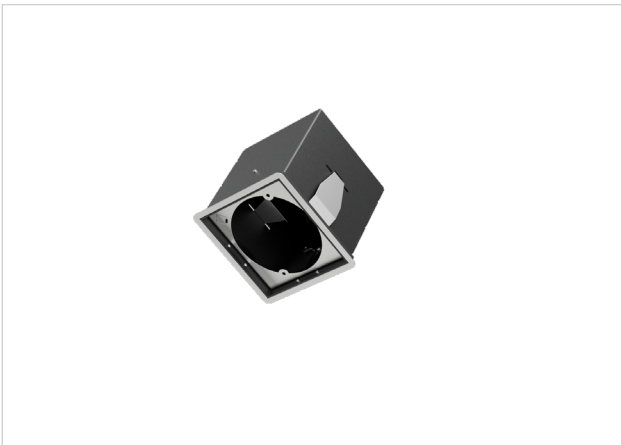
**CUTOUT:** 4" (102mm) square opening

**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

**WARRANTY:** 5 year limited warranty



HOUSING



# M Series

Remodel

**M4RMSS (Standard)**

**M4RMSF (Fire Rated)**

SUMMARY

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

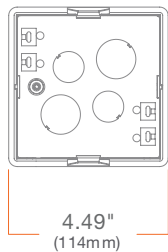
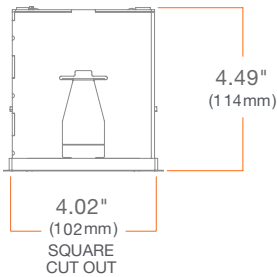
**MOUNTING:** Pre-installed mounting spring clips

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

**CUTOUT:** 4" (102mm) square 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" Square Trims

**M4TS**

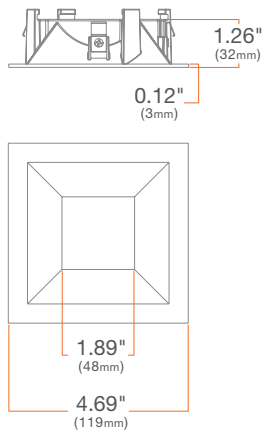
SUMMARY

**CONSTRUCTION:** Die-cast aluminum

**INSTALLATION:** Twist & Lock

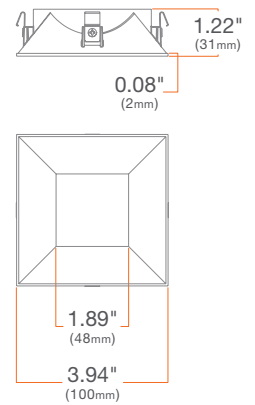
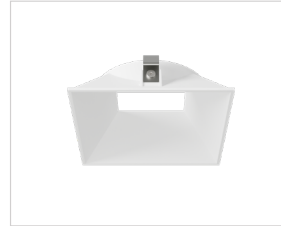
Standard

**M4TSSWH**



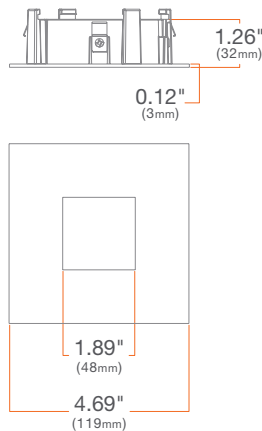
Standard Flangeless

**M4TSSWHFL**



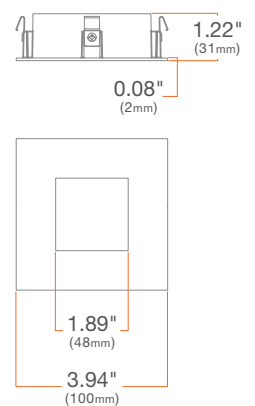
Pinhole

**M4TSPWH**



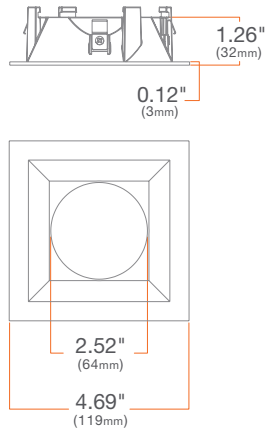
Pinhole Flangeless

**M4TSPWHFL**



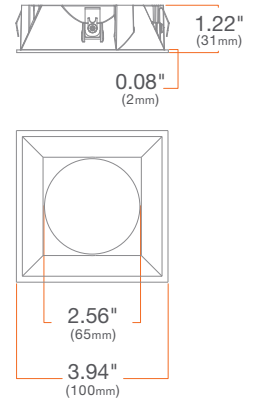
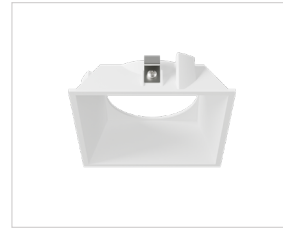
### Round on Square

M4TSQWH



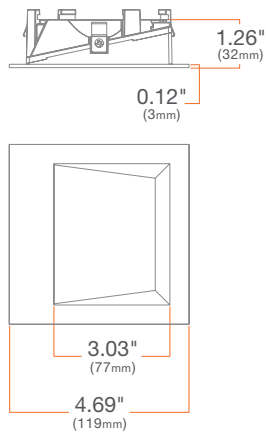
### Round on Square Flangeless

M4TSQWHFL



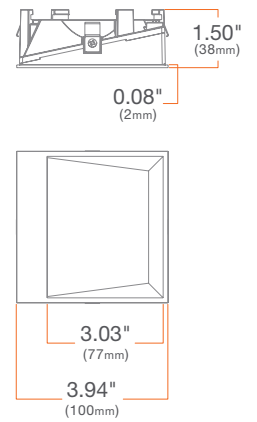
### Wall Wash/Sloped Ceiling

Round: M4TSLWH



### Wall Wash/Sloped Ceiling Flangeless

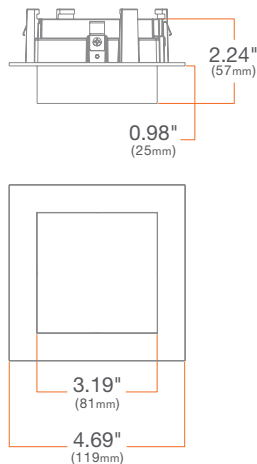
M4TSLWHFL



### Decorative Closed

Frosted: M4TSSWHDCF

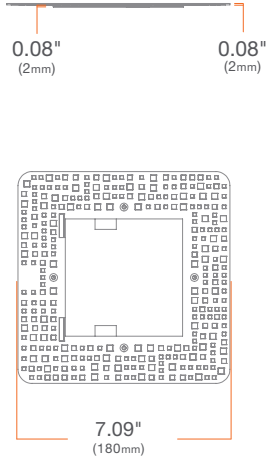
Clear, Frosted Inside: M4TSSWHDCCF



ACCESSORIES

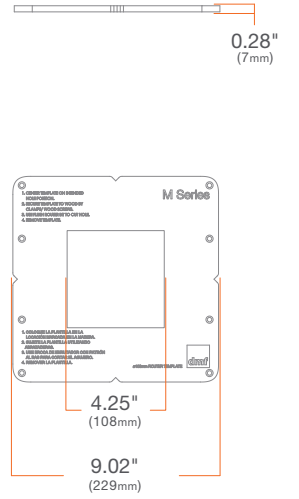
Flangeless Mud Plate

M4XSMUD



Router Template

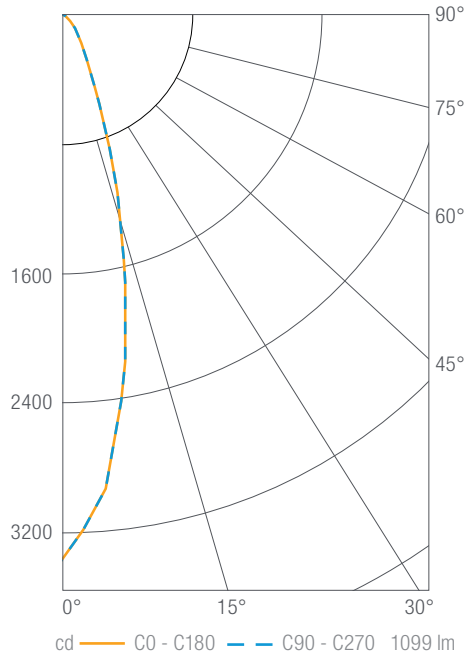
M4KSTEMPLATE



PHOTOMETRY

**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

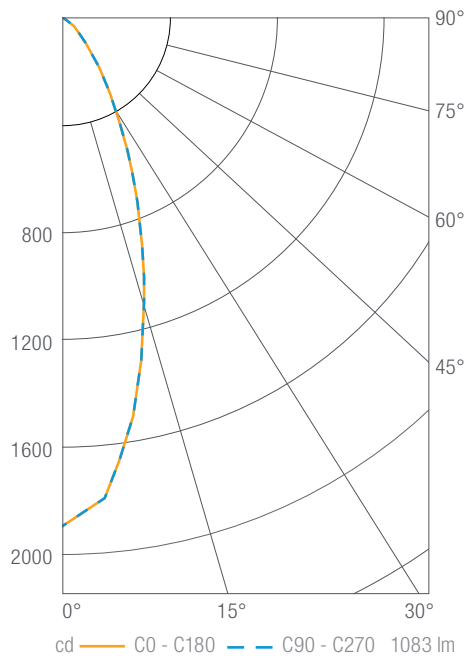
Illuminance Chart

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°

**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

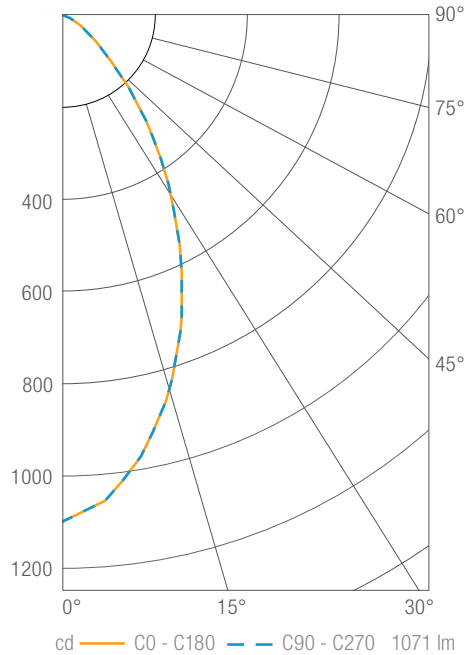
Distance from LED	Foot Candles	Diameter
3'	210	2.0'
6'	52	4.0'
9'	23	6.0'
12'	13	8.0'

Beam Angle: 37°

PHOTOMETRY

**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

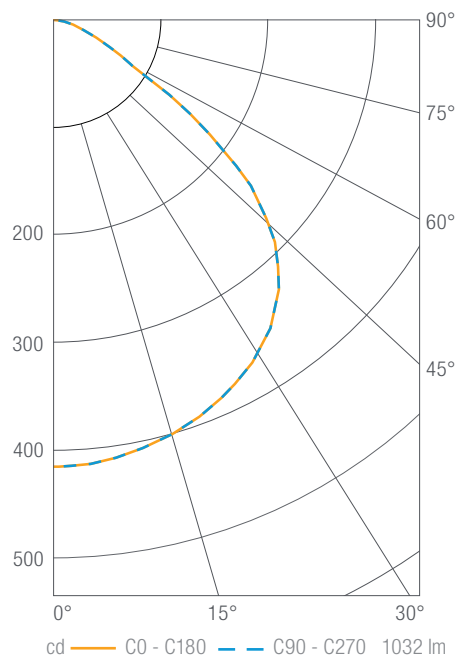
Illuminance Chart

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°

**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

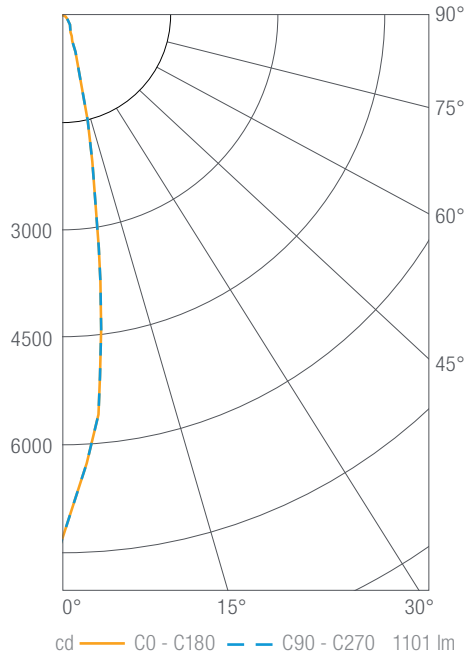
Distance from LED	Foot Candles	Diameter
3'	46	7.8'
6'	12	15.5'
9'	5	23.3'
12'	3	31.1'

Beam Angle: 100°

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°