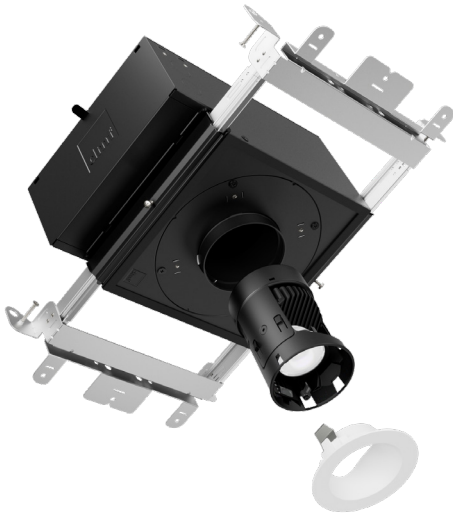


Project:	Type:
Product Code:	Date:

V053024



2" Round Adjustable

SMALL APERTURE Delivers the ultimate in quiet ceiling designs

PRECISION LOCK COLLAR Eliminates over-cutting and ensures perfect cutout

ARCHITECTURE-GRADE Deep die-cast aluminum knife edge trim provide unmatched precision and exceptionally easy installation

DIMMING COMPATIBILITY GUARANTEED In-house designed integrated driver ensures seamless compatibility with every major lighting control system

INSTALLATION

Ceiling Thickness

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

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

Ceiling Material

Drywall, Millwork

TRIMS

Style

Standard, Micro Flange, Pinhole, Flangeless

Finish

White, Black, Bronze, Clear Diffuse, Warm Diffuse, Custom (RAL colors)

SPECIALTY LENS

Hexcell Louver

LIGHT OUTPUT & DISTRIBUTION

Module

Adjustable

Adjustment

360° directional aim, 35° tilt

Lumens (Power)

750 lm (9.5W), 1000 lm (12.5W)

Color Quality

True Spectrum™

Color Temperature

- 2700K

3000K

3500K
- 4000K

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

Beam Spread

- Narrow Spot (20°)

Spot (30°)
- Flood (40°)

Wide Flood (50°)
- Linear Spread (50° x 30°)

POWER & CONTROLS

Input Voltage

120 / 277V

Dimming

TRIAC/ELV (1%, 120V only), DALI-2 (0.1%)

RATINGS & CERTIFICATIONS

- IC (Insulation Contact) Rated*
- ASTM E283 Certified Air Tight
- Chicago Plenum
- UL Listed for Damp Location
- RoHS Compliant
- DarkSky Approved**

* New Construction only; IC for Roll, Batt, Loose Fill and Spray Foam see Housing section for details

**Downlight only, CCT less than or equal to 3000K, non-decorative trims only

WARRANTY

10 year limited warranty; 50,000 hours



PRODUCT BUILDER

ROUND HOUSING

PRODUCT CODE		INSTALLATION		SHAPE	
<input type="text"/>		<input type="text"/>		<input type="text"/>	
X2	2" Housing	NC	New Construction	R	Round
		CP	Chicago Plenum		
		RM	Remodel ¹		

¹ Non-IC installation only, flanged trims only; Not available with DALI-2 dimming; Not available for wood ceiling

MODULE

PRODUCT CODE		LUMENS		COLORMETRIC		CCT		BEAM SPREAD		DIMMING	
<input type="text"/>		<input type="text"/>		<input type="text"/>		<input type="text"/>		<input type="text"/>		<input type="text"/>	
ART2A	Adjustable	07	750 lm	T	True Spectrum™	27	2700K	NS	Narrow Spot (20°)	T	TRIAC/ELV
		10	1000 lm			30	3000K	SP	Spot (30°)	D	DALI-2 ⁵
						35	3500K	FL	Flood (40°)		
						40	4000K	WF	Wide Flood (50°)		
						3W	Warm Dim (3000K–1800K) ²	LS	Linear Spread (50°x30°)		
						T1	Tunable White (4000K–1800K) ³	NH	Narrow Spot Hex Louver ⁴		
								SH	Spot Hex Louver ⁴		
								FH	Flood Hex Louver ⁴		
								WH	Wide Flood Hex Louver ⁴		

² Only available in 1000 lm; Not available in Narrow Spot beam spread

³ Only available in 750 lm, DALI-2 dimming

⁴ Not available for DALI-2 modules

⁵ Only available in 750 lm with Tunable White CCT, 1000 lm Warm Dim or 1000 lm with static CCT

ROUND TRIM

PRODUCT CODE		FINISH		OPTION	
<input type="text"/>		<input type="text"/>		<input type="text"/>	
X2TRAS	2" Standard Trim	WH	White	[Blank]	None
X2TRAP	2" Pinhole Trim ^{6,7}	BK	Black	MF	Micro Flange ⁶
		BZ	Bronze	FL	Flangeless ^{6,8}
		CW	Clear Diffuse, White Flange		
		WW	Warm Diffuse, White Flange		
		CC	Custom (RAL colors)		

⁶ Not available in Clear or Warm Diffuse finish

⁷ Not available in Micro Flange; Not available in Custom Color finish

⁸ Requires Flangeless Mud or Wood Kit in New Construction housings; Not compatible with Remodel Housing



PRODUCT BUILDER

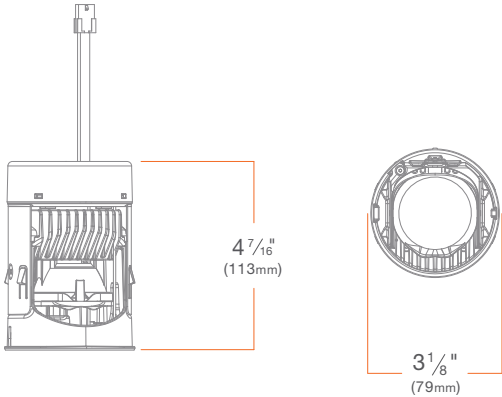
OPTICS

XAXOP	Bundled Adjustable Optics Kit <i>(Includes Narrow Spot, Spot, Flood, Wide Flood and Linear Spread)</i>
XAXNS	Narrow Spot (20°) Optic
XAXSP	Spot (30°) Optic
XAXFL	Flood (40°) Optic
XAXWF	Wide Flood (50°) Optic
XAXLS	Linear Spread (50°x30°) Optic
XAXNH	Narrow Spot Optic with Hexcell Louver
XAXSH	Spot Optic with Hexcell Louver
XAXFH	Flood Optic with Hexcell Louver
XAXWH	Wide Flood Optic with Hexcell Louver
XAXHD	High Diffusion Front Lens <i>(Can be paired with all beam spreads to provide extra diffusion; Only available as an optical accessory.)</i>
XAXCL	Clear Front Lens <i>(Can be paired with all beam spreads to decrease diffusion and define edges; Only available as an optical accessory)</i>

ACCESSORIES

X2KRMUD	Flangeless Mud Kit <i>(Required for New Construction installation of Flangeless Trim in drywall ceiling)</i>
X2KRWOOD	Wood Kit <i>(Required for New Construction installation in wood ceiling)</i>
X2KRTEMPLATE	Router Template <i>(Recommended for routing 3 3/16" [81mm] cutout in wood ceiling)</i>

MODULE



SUMMARY

	STATIC CCT	WARM DIM	TUNABLE WHITE
CCT	2700K, 3000K, 3500K, 4000K	3000K - 1800K	4000K - 1800K
LUMENS (POWER)	750 lm (9.5W), 1000 lm (12.5W)	1000 lm (12.0W)	750 lm (13.4W)
EFFICACY	60 lm/W, 70 lm/W	83 lm/W	56 lm/W
COLOR QUALITY	True Spectrum™ 98 CRI, 2-step SDCM	True Spectrum™ 93 CRI, 2-step SDCM	True Spectrum™ 93 CRI, 3-step SDCM
BEAM SPREAD	Narrow Spot (20°), Spot (30°), Flood (40°), Wide Flood (50°), Linear Spread (50° x 30°)	Spot (30°), Flood (40°), Wide Flood (50°), Linear Spread (50° x 30°)	Narrow Spot (20°), Spot (30°), Flood (40°), Wide Flood (50°), Linear Spread (50° x 30°)
DIMMING	TRIAC/ELV, DALI-2	TRIAC/ELV, DALI-2	DALI-2
LED CHIP	Cree Pro9	Bridgelux	Bridgelux
LISTINGS	ENERGY STAR® qualified*, California Title 24 2019–2022 JA8-E compliant, UL Listed for Damp Location, UL Certified US-CA, Declare, RoHS compliant		
ADJUSTMENT	360° directional aim, 35° tilt		
SLOPE CEILING COMPATIBILITY	Up to 35°		

* Refer to ENERGY STAR Certified light fixtures database

ADDITIONAL

INPUT VOLTAGE: 120/277V, 50/60Hz	TOTAL HARMONIC DISTORTION: Less than 20%
MAX INPUT CURRENT (120V): 0.11 amps	AMBIENT OPERATING TEMPERATURE: -20°C to 40°C
MAX INPUT CURRENT (277V): 0.05 amps	WARRANTY: 10 year limited warranty; 50,000 hours at 70% lumen maintenance
CONNECTOR: 6-pin Molex	
POWER FACTOR: Greater than 0.9	

TRIMS



SUMMARY

CONSTRUCTION: Die-cast aluminum

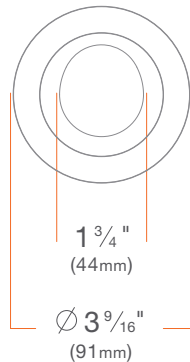
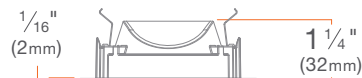
FINISH: Wet paint

INSTALLATION: Precision Lock Collar included with Flanged or Micro Flange Trim and Flangeless Mud or Wood Kit

WARRANTY: 1 year limited warranty

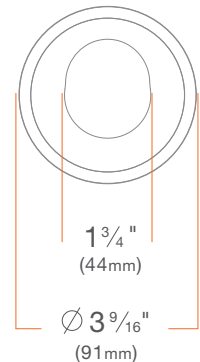
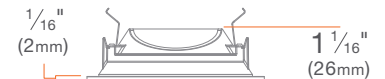
Standard

X2TRASWH



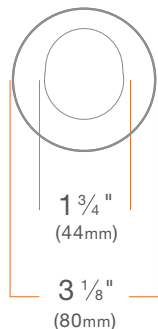
Standard Micro Flange

X2TRASWHMF



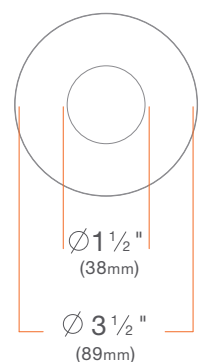
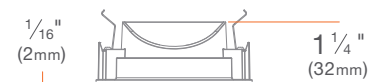
Standard Flangeless

X2TRASWHFL



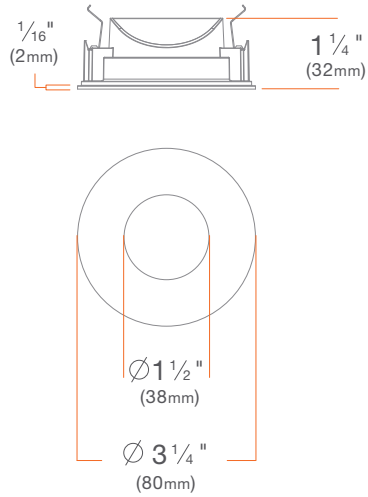
Pinhole

X2TRAPWH

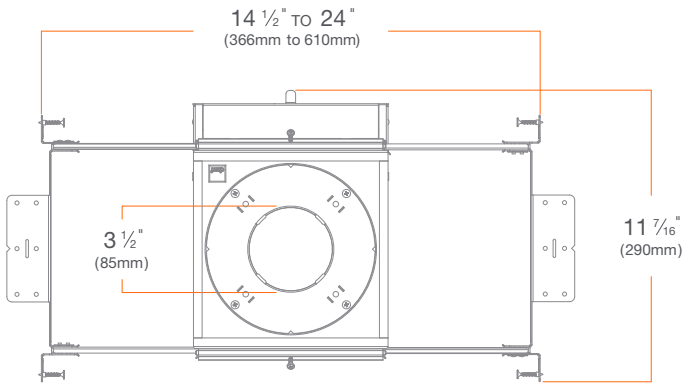
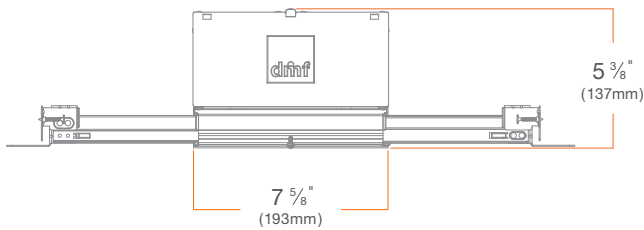
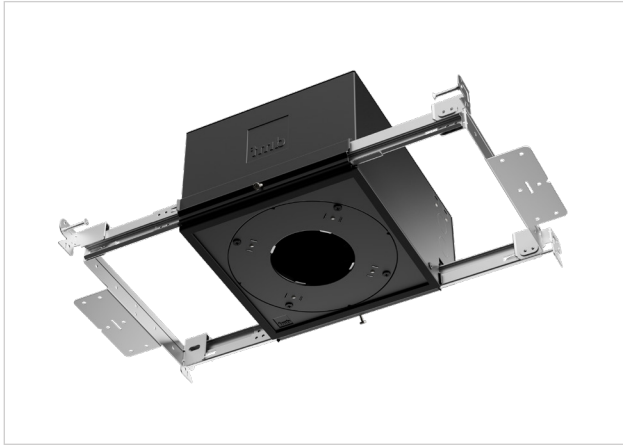


Pinhole Flangeless

X2TRAPWHFL



HOUSING



New Construction **X2NCR** Chicago Plenum **X2CPR**

SUMMARY

JUNCTION BOX: Equipped with 10 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 Hangers for 14.5" to 24" joist spacing, when bar hangers are broken down, up to 10.5" of joist spacing. Compatible with traditional joists, Armstrong TM ceiling, Hat Channel and T-Bar. Vertical adjustment (0.5"-1.25") through installation of the round collar.

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

CUTOUT: 3 1/4" (82mm) round opening

LISTINGS: Chicago Plenum, 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: 1 year limited warranty

HOUSING



Remodel

X2RMR

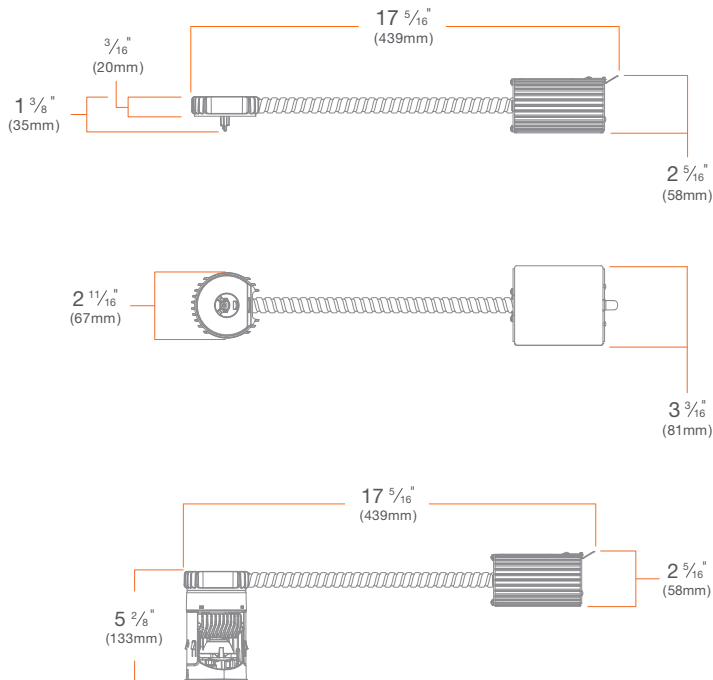
SUMMARY

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

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

CUTOUT: 3 1/4" (82mm) round opening

WARRANTY: 1 year limited warranty



ACCESSORIES

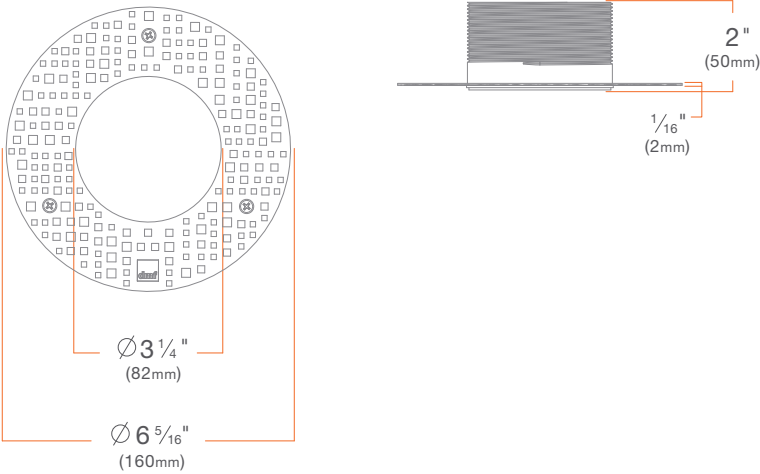


Flangeless Mud Kit

X2KRMUD

SUMMARY: Flangeless Mud Kit (Required for New Construction installation of Flangeless Trim in drywall ceiling)

CEILING: 0.5" up to 1.25"

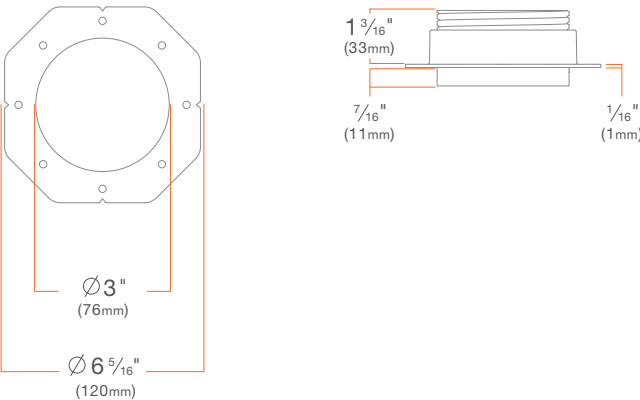


Wood Kit

X2KRWOOD

SUMMARY: Wood Kit (Required for New Construction installation in wood ceiling. Must be mounted on wood before installation to ceiling.)

CEILING: 0.5" up to 1.25"



ACCESSORIES

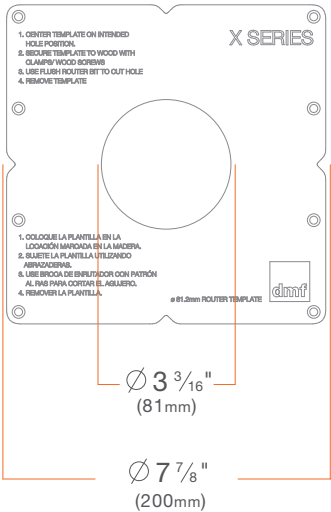


Router Template

X2KRTEEMPLATE

SUMMARY: Router Template (Recommended for routing 3 3/16" [81mm] cutout in wood ceiling)

CEILING: 0.5" up to 1.25"

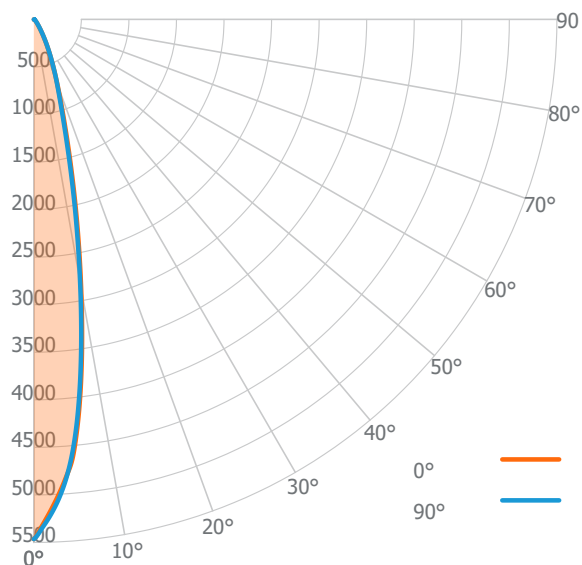


PHOTOMETRY

1000 lm, 3000K, Narrow Spot **ART2A-10T30NST**

2" Standard White Trim **X2TRDSWH**

Candela Distribution



Luminous Intensity

	0°
0°	5465
5°	4644
10°	2863
15°	1412
20°	722
25°	389
30°	195
35°	97
40°	54
45°	33
50°	21
55°	15
60°	13
65°	11
70°	9
75°	6
80°	4
85°	2
90°	1

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0° - 30°	899	90%
0° - 40°	953	95%
0° - 60°	988	98%
0° - 90°	1004	100%
0° - 180°	1004	100%

Illuminance Chart

Distance from LED	Foot Candles	Diameter
3 ft	607.2 fc	1.1 ft
6 ft	151.8 fc	2.2 ft
9 ft	67.5 fc	3.3 ft
12 ft	38.0 fc	4.4 ft

Input Watts: **12.0 W**

Lumens: **1004 lm**

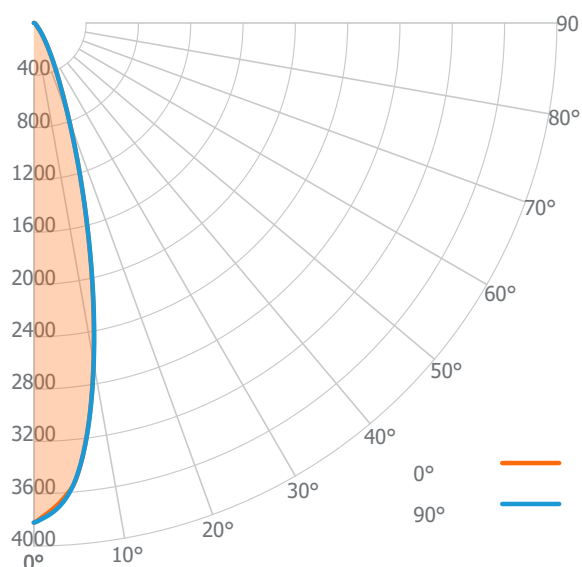
Efficacy: **84 lm/W**

Beam Angle: **21° x 20°**

1000 lm, 3000K, Spot **ART2A-10T30SPT**

2" Standard White Trim **X2TRDSWH**

Candela Distribution



Luminous Intensity

	0°
0°	3821
5°	3537
10°	2629
15°	1553
20°	788
25°	404
30°	214
35°	117
40°	63
45°	36
50°	22
55°	16
60°	14
65°	12
70°	9
75°	7
80°	4
85°	2
90°	1

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0° - 30°	858	88%
0° - 40°	922	94%
0° - 60°	959	98%
0° - 90°	977	100%
0° - 180°	977	100%

Illuminance Chart

Distance from LED	Foot Candles	Diameter
3 ft	424.5 fc	1.4 ft
6 ft	106.1 fc	2.8 ft
9 ft	47.2 fc	4.2 ft
12 ft	26.5 fc	5.7 ft

Input Watts: **12.0 W**

Lumens: **977 lm**

Efficacy: **81 lm/W**

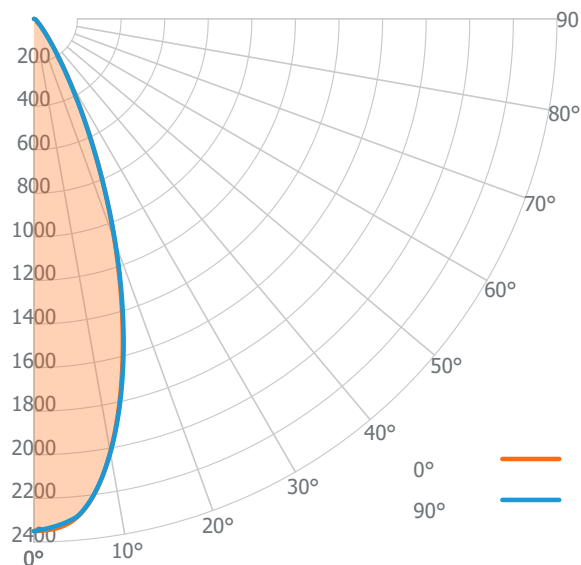
Beam Angle: **27° x 27°**

PHOTOMETRY

1000 lm, 3000K, Flood **ART2A-10T30FLT**

2" Standard White Trim **X2TRDSWH**

Candela Distribution



Luminous Intensity

	0°
0°	2350
5°	2293
10°	2018
15°	1577
20°	1083
25°	636
30°	322
35°	150
40°	72
45°	38
50°	21
55°	15
60°	13
65°	11
70°	9
75°	6
80°	4
85°	2
90°	1

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0° - 30°	852	86%
0° - 40°	934	95%
0° - 60°	971	98%
0° - 90°	987	100%
0° - 180°	987	100%

Illuminance Chart

Distance from LED	Foot Candles	Diameter
3 ft	261.1 fc	2.1 ft
6 ft	65.3 fc	4.1 ft
9 ft	29.0 fc	6.2 ft
12 ft	16.3 fc	8.3 ft

Input Watts: **12.0 W**

Lumens: **987 lm**

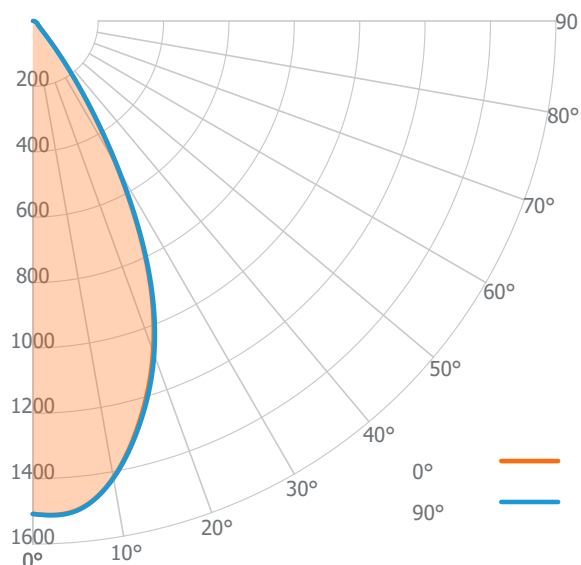
Efficacy: **82 lm/W**

Beam Angle: **38° x 38°**

1000 lm, 3000K, Wide Flood **ART2A-10T30WFT**

2" Standard White Trim **X2TRDSWH**

Candela Distribution



Luminous Intensity

	0°
0°	1508
5°	1503
10°	1418
15°	1265
20°	1076
25°	828
30°	516
35°	248
40°	96
45°	38
50°	23
55°	17
60°	15
65°	13
70°	10
75°	8
80°	5
85°	3
90°	1

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0° - 30°	789	80%
0° - 40°	924	94%
0° - 60°	965	98%
0° - 90°	986	100%
0° - 180°	986	100%

Illuminance Chart

Distance from LED	Foot Candles	Diameter
3 ft	167.6 fc	3.0 ft
6 ft	41.9 fc	5.9 ft
9 ft	18.6 fc	8.9 ft
12 ft	10.5 fc	11.8 ft

Input Watts: **12.3 W**

Lumens: **986 lm**

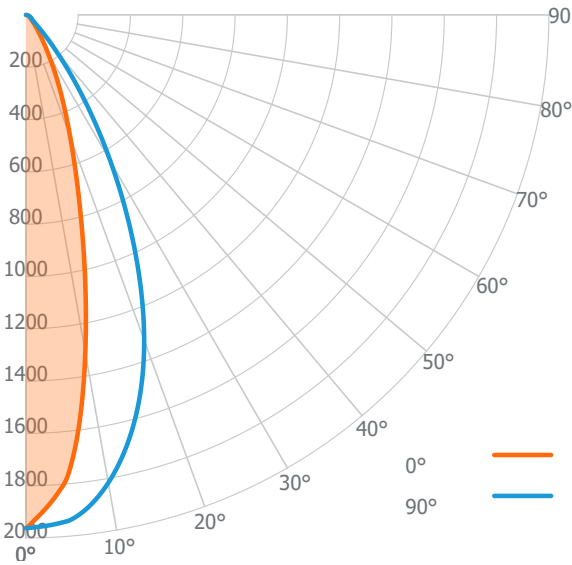
Efficacy: **80 lm/W**

Beam Angle: **52° x 52°**

PHOTOMETRY

1000 lm, 3000K, Linear Spread **ART2A-10T30LST**
2" Standard White Trim **X2TRDSWH**

Candela Distribution



Luminous Intensity

	0°
0°	1962
5°	1782
10°	1310
15°	821
20°	496
25°	300
30°	171
35°	99
40°	60
45°	39
50°	27
55°	20
60°	17
65°	14
70°	11
75°	8
80°	5
85°	3
90°	1

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0° - 30°	732	78%
0° - 40°	857	91%
0° - 60°	916	97%
0° - 90°	941	100%
0° - 180°	941	100%

Illuminance Chart

Distance from LED	Foot Candles	Diameter
3 ft	218.0 fc	1.4 ft
6 ft	54.5 fc	2.8 ft
9 ft	24.2 fc	4.2 ft
12 ft	13.6 fc	5.6 ft

Input Watts: **12.0 W**
Lumens: **941 lm**
Efficacy: **78 lm/W**
Beam Angle: **26° x 50°**