

**PRODUCT SPECIFICATIONS**

**LED Light Engine** Consistent fixture to fixture color consistency within a 2-step MacAdam ellipse • 2700K, 3000K, 3500K, or 4000K color temperatures are available with 80 CRI minimum • 2700K and 3000K are also available with 90 CRI minimum.

**Modular Optics** 50° cutoff to source and source image • Available with field interchangeable optics in 18° Spot, 24° Narrow Flood, 35° Flood, and 45° wide flood distributions • Additional distributions of 20°, 30°, 50° and 55° FWHM can be achieved with the use of the diffusing films and spot primary optic.

**Adjustability** Patent pending Acu-Aim™ precision geared hot-aiming achieves 365° rotation, 40° tilt with any ceiling thickness from 1/2" to 1" • Acu-Aim™ translates light engine forward as it is aimed off nadir, ensuring maximum light and low brightness • Black aiming mechanism preserves dark aperture.

**Trims Style** Self Flanged and Flangeless (drywall ceilings only) styles are available

**LED Driver** Choice of two drivers to accommodate voltages from 120-277 volts AC at 50/60Hz • Compatible with most incandescent and electronic low voltage dimmers or 0-10V dimmers • For a list of compatible dimmers, refer to [ACULUXLED2-DIM](#) • Power Factor > 0.9 • Field replaceable from above or below ceiling.

**Life** Rated for 50,000 hrs at 70% lumen maintenance.

**Codes/Labels** UL and cUL listed for damp locations. Wet location listed with WET option • ENERGY STAR® certified with select color temperatures and trims • Union made.

**Remodel Installation** Fixture installs from below the ceiling and secured to remodel ring.

**Wiring** Includes (2) 1/2" knockouts equipped with pryout slots and are compatible with flexible electrical supply only • Supplied with quick connect electrical connectors.

**Ceiling Thickness** 1/2" – 1 1/2" ceiling standard.

**Warranty** 5-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

**2" LED UNIVERSAL RECESSED  
 ADJUSTABLE/DOWNLIGHT/WALL WASH**



**800/1200 LUMEN**  
 ROUND APERTURE  
 REMODEL  
**AX2 AR**



**AX2 AR**

**NOTE:** Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25°C.

Specifications subject to change without notice.

**ORDERING INFORMATION**

Example: AX2 AR 08LM 30K 80CRI 24D FPC 120

HOUSING OPTIONS	Series / Housing Style		Lumens		CCT		CRI		Beam		Driver		Voltage <sup>1</sup>	Options
		AX2 AR	Remodel Universal ADJ/DL/WW	08LM	800 Lumens	27K	2700K	80CRI	18D	18° beam	FPC	Phase cut dimming, 5% dim	120	NLIGHT <sup>2</sup> nLight dimming pack controls
			12LM	1200 Lumens	30K	3000K	90CRI <sup>7</sup>	24D	24° beam	ZT	0-10V Dimming, 10% dim	MVOLT (120-277)		
					35K	3500K		35D	35° beam					
					40K	4000K		45D	45° beam					

TRIM OPTIONS	Trim Style	Reflector Finish	Flange Style / Finish	Environment	Ceiling Installation
		ADJUSTABLE	BD <sup>3</sup> Black Diffuse	SELF FLANGED	WET Wet location
	2ABV Adjustable Bevel	BS <sup>4</sup> Black Specular	SF <sup>4</sup> Flange is same finish as reflector		Ceiling ≤ .75"
	2AC Angle-Cut Reflector	CD <sup>4</sup> Clear Diffuse	WHSF White, flanged		CTA2/120 Ceiling 0.75" - 1.20"
	2APIN Adjustable Pinhole, 1 1/4"	CS <sup>4</sup> Clear Specular	BLSF <sup>4</sup> Black, flanged		CTA2/150 Ceiling 1.20" - 1.5"
	2APINLG Adjustable Pinhole, 1 3/4"	W <sup>4</sup> White Paint	FLANGELESS <sup>5</sup>		FLANGELESS, GYPSUM
	DOWNLIGHT	WTD <sup>4</sup> Wheat Diffuse	FM <sup>4</sup> Flangeless		FMA2R Ceiling 0.5" - 1.5"
	2DBV Downlight Bevel		WHFM <sup>3</sup> Flangeless, White trim		
	2DH Hyperbolic Downlight Trim		BLFM <sup>3</sup> Flangeless, Black trim		
	2DP Parabolic Downlight Trim				
	2DPIN Downlight Pinhole, 1 1/4"				
	WALL WASH				
	2WW <sup>6</sup> Architectural Wall Wash				

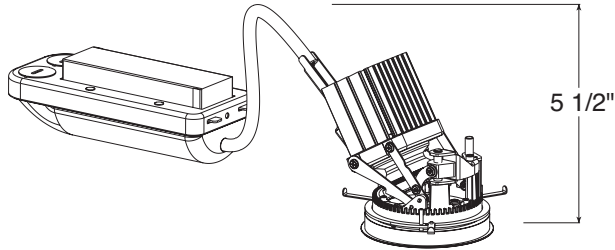
**Ordering Notes**

- <sup>1</sup> MVOLT standard on ZT. 120 standard on FPC.
- <sup>2</sup> NLIGHT compatible with ZT only.
- <sup>3</sup> Available only on 2ABV, 2APIN, 2APINLG, 2DBV, 2DPIN only.
- <sup>4</sup> Available on 2AC, 2DP, 2DH, 2WW only.
- <sup>5</sup> Flangeless trims in drywall ceilings must specify ceiling installation (FMA2R).
- <sup>6</sup> Must Specify 24D with 2WW.
- <sup>7</sup> Available on 27K and 30K only.

# 2" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200 LUMEN ROUND APERTURE REMODEL AX2 AR

## DIMENSIONS

### REMODEL



**AX2 AR**

Trim Style	Cutout Size
Self Flanged Trims	2.953" (75mm)
Flangeless Trims (Drywall Ceiling)	3"

Note: An accurate hole saw is recommended for best results.

## ELECTRICAL DATA

Lumen Package	08LM			12LM		
	FPC	ZT		FPC	ZT	
Voltage	120	120	277	120	120	277
Input Power	10.1	9.6	9.6	14.8	14.8	14.6
Input Current	0.09	0.08	0.04	0.12	0.12	0.06
Frequency	50/60Hz	50/60Hz		50/60Hz	50/60Hz	
Power Factor	0.99	0.99	0.93	0.99	0.99	0.95

## ACCESSORIES

Cat. #	Description
<b>2AXOPT/18D</b>	18° Spot Optic
<b>2AXOPT/24D</b>	24° Narrow Flood Optic
<b>2AXOPT/35D</b>	35° Flood Optic
<b>2AXOPT/45D</b>	45° Wide Flood Optic
<b>AF2/10</b>	10° Film (Use with Spot Optic)
<b>AF2/20</b>	20° Film (Use with Spot Optic)
<b>AF2/40</b>	40° Film (Use with Spot Optic)
<b>AF2/50</b>	50° Film (Use with Spot Optic)
<b>AF2/90x1</b>	90°x1° Film (Use with Spot Optic)
<b>EMI20</b>	20W Emergency Lighting Inverter

To order, specify catalog number.

## DIFFUSING FILMS

To achieve the desired beam angle (FWHM), specify the following primary LED optic on the luminaire and order the diffusing film from the table below

Desired FWHM	Primary Optic	Film
18°	18D	-
20°	18D	<b>AF2/10</b>
24°	24D	-
30°	18D	<b>AF2/20</b>
35°	35D	-
45°	45D	-
50°	18D	<b>AF2/40</b>
55°	18D	<b>AF2/50</b>
60°x20°	18D	<b>AF2/90x1</b>

## LUMEN OUTPUT MULTIPLIERS

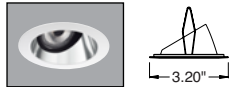
Color Temperature	CRI	Multiplier
2700K	80	0.93
3000K	80	1.00
3500K	80	1.02
4000K	80	1.06
2700K	90	0.71
3000K	90	0.77

# 2" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200 LUMEN ROUND APERTURE REMODEL AX2 AR

## TRIM SELECTION

### ADJUSTABLE TRIMS

**2AC** Angle-Cut Reflector



Self-Flanged

Aperture : 2 1/4"

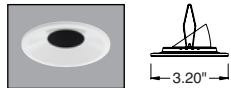


Flangeless



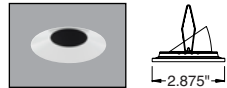
	<b>CCT/CRI:</b>	80CRI 27K, 30K, 35K, 40K
	<b>Optic:</b>	18D, 24D, 35D, 45D
	<b>Trim Finish:</b>	CS, CD, WTD, W

**2ABV** Adjustable Bevel



Self-Flanged

Aperture : 1 3/8"

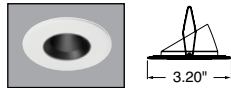


Flangeless



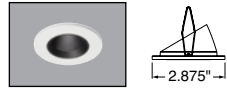
	<b>CCT/CRI:</b>	80CRI 27K, 30K, 35K, 40K
	<b>Optic:</b>	18D, 24D, 35D
	<b>Finish:</b>	BD

**2APIN** Adjustable Pinhole, 1 1/4"



Self-Flanged

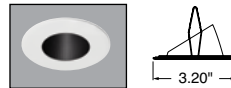
Aperture : 1 1/4"



Flangeless



**2APINLG** Adjustable Pinhole, 1 3/4"



Self-Flanged

Aperture : 1 3/4"



Flangeless

	<b>CCT/CRI:</b>	80CRI 27K, 30K, 35K, 40K
	<b>Optic:</b>	18D, 24D, 35D
	<b>Trim Finish:</b>	BD

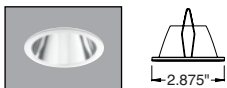
### DOWNLIGHT TRIMS

**2DP** Parabolic Downlight Trim



Self-Flanged

Aperture : 2 1/4"

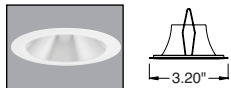


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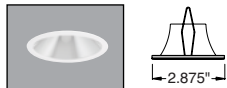
	<b>CCT/CRI:</b>	80CRI 27K, 30K, 35K, 40K
	<b>Optic:</b>	18D, 24D, 35D, 45D
	<b>Trim Finish:</b>	CS, CD, WTD, W

**2DH** Hyperbolic Downlight Trim



Self-Flanged

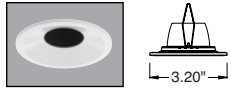
Aperture : 2 1/4"



Flangeless

	<b>CCT/CRI:</b>	80CRI 27K, 30K, 35K, 40K
	<b>Optic:</b>	18D, 24D, 35D, 45D
	<b>Trim Finish:</b>	CS, CD, WTD, W

**2DBV** Downlight Bevel



Self-Flanged

Aperture : 1 3/8"

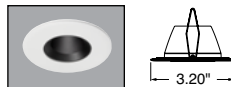


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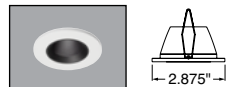
	<b>CCT/CRI:</b>	80CRI 27K, 30K, 35K, 40K
	<b>Optic:</b>	18D, 24D, 35D
	<b>Finish:</b>	BD

**2DPIN** Downlight Pinhole



Self-Flanged

Aperture : 1 1/4"

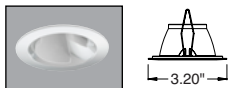


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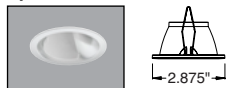
### WALL WASH

**2WW** Wall Wash



Self-Flanged

Aperture : 2 1/4"

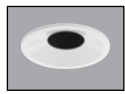


Flangeless

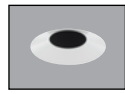
\* With WET option

# 2" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200 LUMEN ROUND ADJUSTABLE BEVEL REMODEL 2ABV Trim

2ABV Adjustable Bevel



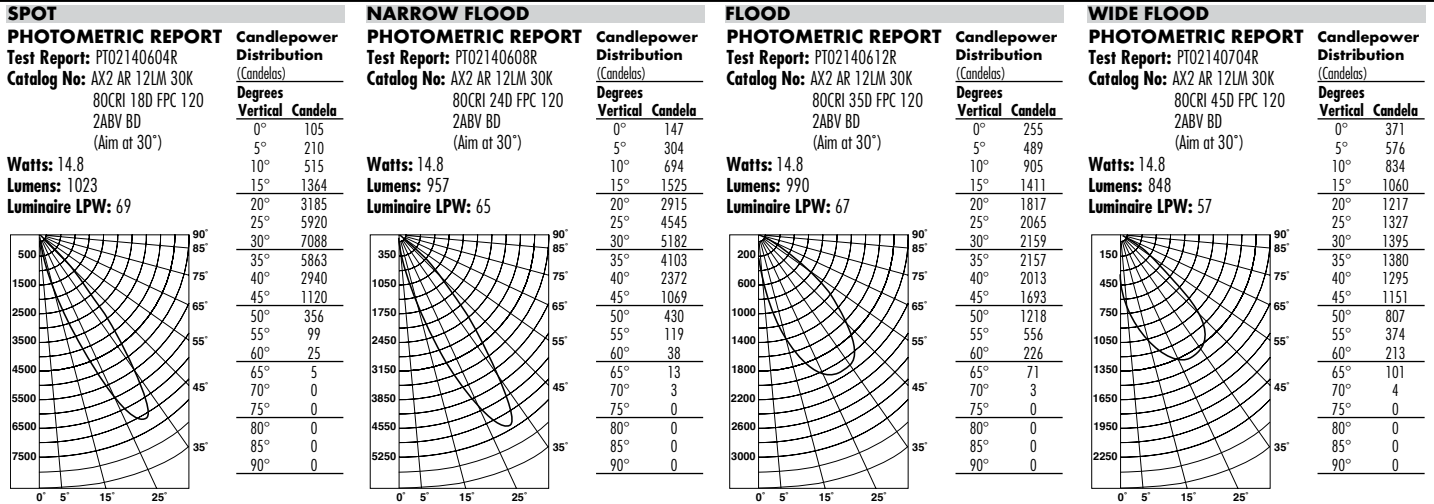
Self-Flanged



Flangeless

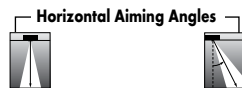
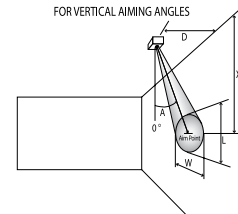
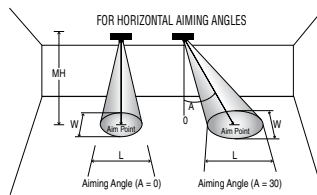


## PHOTOMETRICS



**CBCP** • Centerbeam candlepower  
**FC** • Footcandles at beam center (aim point)

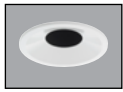
In vertical aiming applications, aim point (X) is determined by dividing distance from the wall (D) by the tangent of the desired aim angle (A) (0.5774 for 30°, 1.0 for 45°).



Beam Type	Beam Spread	CBCP	0°			30°			30°			40°						
			MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W
SP	18°	7088	4	443	1.3	1.3	288	1.7	1.5	2	222	3.5	2.7	1.3	471	2.4	1.6	1.0
			6	197	1.9	1.9	128	2.6	2.2	3	98	5.2	4.1	1.9	209	3.6	2.4	1.5
			8	111	2.5	2.5	72	3.4	2.9	4	55	6.9	5.5	2.5	118	4.8	3.2	2.0
			10	71	3.2	3.2	46	4.3	3.7	5	35	8.7	6.9	3.2	75	6.0	4.0	2.5
			12	49	3.8	3.8	32	5.1	4.4	6	25	10.4	8.2	3.8	52	7.2	4.8	3.0
NFL	24°	5182	4	324	1.7	1.7	210	2.3	2.0	2	162	3.5	3.9	1.7	344	2.4	2.2	1.3
			6	144	2.6	2.6	93	3.5	2.9	3	72	5.2	5.9	2.6	153	3.6	3.3	2.0
			8	81	3.4	3.4	53	4.6	3.9	4	40	6.9	7.9	3.4	86	4.8	4.4	2.6
			10	52	4.3	4.3	34	5.8	4.9	5	26	8.7	9.8	4.3	55	6.0	5.5	3.3
			12	36	5.1	5.1	23	6.9	5.9	6	18	10.4	11.8	5.1	38	7.2	6.6	4.0
FL	35°	2159	4	135	2.5	2.5	88	3.5	2.9	2	67	3.5	7.2	2.5	143	2.4	3.6	2.0
			6	60	3.8	3.8	39	5.2	4.4	3	30	5.2	10.8	3.8	64	3.6	5.3	2.9
			8	34	5.0	5.0	22	7.0	5.8	4	17	6.9	14.4	5.0	36	4.8	7.1	3.9
			10	22	6.3	6.3	14	8.7	7.3	5	11	8.7	18.0	6.3	23	6.0	8.9	4.9
			12	15	7.6	7.6	10	10.4	8.7	6	7	10.4	21.6	7.6	16	7.2	10.7	5.9
WFL	45°	1395	4	87	3.3	3.3	57	4.7	3.8	2	44	3.5	13.7	3.3	93	2.4	5.3	2.6
			6	39	5.0	5.0	25	7.0	5.7	3	19	5.2	20.5	5.0	41	3.6	8.0	3.9
			8	22	6.6	6.6	14	9.4	7.7	4	11	6.9	27.3	6.6	23	4.8	10.6	5.2
			10	14	8.3	8.3	9	11.7	9.6	5	7	8.7	34.1	8.3	15	6.0	13.3	6.4
			12	10	9.9	9.9	6	14.1	11.5	6	5	10.4	41.0	9.9	10	7.2	15.9	7.7

# 2" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200 LUMEN ROUND ADJUSTABLE BEVEL REMODEL 2ABV Trim with WET option

2ABV Adjustable Bevel



Self-Flanged

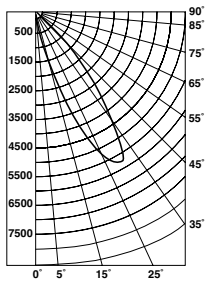


Flangeless



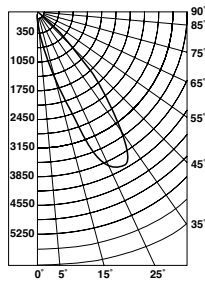
## PHOTOMETRICS

**SPOT**  
**PHOTOMETRIC REPORT**  
Test Report: PTO2140603R  
Catalog No: AX2 AR 12LM 30K  
80CRI 18D FPC 120  
2ABV BD WET  
(Aim at 30°)  
**Watts:** 14.8  
**Lumens:** 910  
**Luminaire LPW:** 61



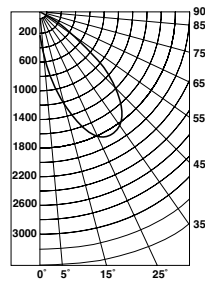
Candlepower Distribution (Candelas)	
Degrees	Candela
0°	111
5°	219
10°	542
15°	1415
20°	3034
25°	5091
30°	5731
35°	4486
40°	2392
45°	979
50°	361
55°	122
60°	40
65°	14
70°	4
75°	1
80°	0
85°	0
90°	0

**NARROW FLOOD**  
**PHOTOMETRIC REPORT**  
Test Report: PTO2140607R  
Catalog No: AX2 AR 12LM 30K  
80CRI 24D FPC 120  
2ABV BD WET  
(Aim at 30°)  
**Watts:** 14.8  
**Lumens:** 867  
**Luminaire LPW:** 59



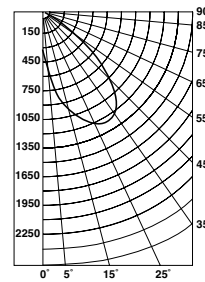
Candlepower Distribution (Candelas)	
Degrees	Candela
0°	146
5°	301
10°	673
15°	1429
20°	2629
25°	3875
30°	4257
35°	3392
40°	2034
45°	984
50°	407
55°	151
60°	54
65°	19
70°	5
75°	1
80°	0
85°	0
90°	0

**FLOOD**  
**PHOTOMETRIC REPORT**  
Test Report: PTO2140611R  
Catalog No: AX2 AR 12LM 30K  
80CRI 35D FPC 120  
2ABV BD WET  
(Aim at 30°)  
**Watts:** 14.8  
**Lumens:** 882  
**Luminaire LPW:** 60



Candlepower Distribution (Candelas)	
Degrees	Candela
0°	243
5°	461
10°	827
15°	1263
20°	1622
25°	1838
30°	1921
35°	1899
40°	1729
45°	1399
50°	942
55°	506
60°	227
65°	85
70°	19
75°	0
80°	0
85°	0
90°	0

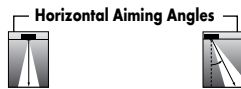
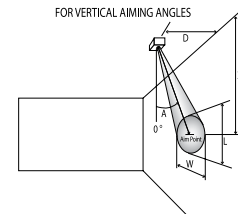
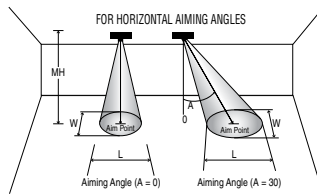
**WIDE FLOOD**  
**PHOTOMETRIC REPORT**  
Test Report: PTO2140703R  
Catalog No: AX2 AR 12LM 30K  
80CRI 45D FPC 120  
2ABV BD WET  
(Aim at 30°)  
**Watts:** 14.8  
**Lumens:** 756  
**Luminaire LPW:** 51



Candlepower Distribution (Candelas)	
Degrees	Candela
0°	341
5°	531
10°	756
15°	954
20°	1100
25°	1201
30°	1252
35°	1236
40°	1137
45°	939
50°	642
55°	366
60°	189
65°	85
70°	20
75°	0
80°	0
85°	0
90°	0

**CBCP** • Centerbeam candlepower  
**FC** • Footcandles at beam center (aim point)

In vertical aiming applications, aim point (X) is determined by dividing distance from the wall (D) by the tangent of the desired aim angle (A) (0.5774 for 30°, 1.0 for 45°).



Beam Type	Beam Spread	CBCP	0°				30°			30°					40°			
			MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W
SP	18°	5731	4	358	1.3	1.3	233	1.7	1.5	2	179	3.5	2.7	1.3	381	2.4	1.6	1.0
			6	159	1.9	1.9	103	2.6	2.2	3	80	5.2	4.1	1.9	169	3.6	2.4	1.5
			8	90	2.5	2.5	58	3.4	2.9	4	45	6.9	5.5	2.5	95	4.8	3.2	2.0
			10	57	3.2	3.2	37	4.3	3.7	5	29	8.7	6.9	3.2	61	6.0	4.0	2.5
			12	40	3.8	3.8	26	5.1	4.4	6	20	10.4	8.2	3.8	42	4.2	4.8	3.0
NFL	24°	4257	4	266	1.7	1.7	173	2.3	2.0	2	133	3.5	3.9	1.7	283	2.4	2.2	1.3
			6	118	2.6	2.6	77	3.5	2.9	3	59	5.2	5.9	2.6	126	3.6	3.3	2.0
			8	67	3.4	3.4	43	4.6	3.9	4	33	6.9	7.9	3.4	71	4.8	4.4	2.6
			10	43	4.3	4.3	28	5.8	4.9	5	21	8.7	9.8	4.3	45	6.0	5.5	3.3
			12	30	5.1	5.1	19	6.9	5.9	6	15	10.4	11.8	5.1	31	7.2	6.6	4.0
FL	35°	1921	4	120	2.5	2.5	78	3.5	2.9	2	60	3.5	7.2	2.5	128	2.4	3.6	2.0
			6	53	3.8	3.8	35	5.2	4.4	3	27	5.2	10.8	3.8	57	3.6	5.3	2.9
			8	30	5.0	5.0	19	7.0	5.8	4	15	6.9	14.4	5.0	32	4.8	7.1	3.9
			10	19	6.3	6.3	12	8.7	7.3	5	10	8.7	18.0	6.3	20	6.0	8.9	4.9
			12	13	7.6	7.6	9	10.4	8.7	6	7	10.4	21.6	7.6	14	7.2	10.7	5.9
WFL	45°	1252	4	78	3.3	3.3	51	4.7	3.8	2	39	3.5	13.7	3.3	83	2.4	5.3	2.6
			6	35	5.0	5.0	19	7.0	5.8	4	15	6.9	14.4	5.0	32	4.8	7.1	3.9
			8	20	6.6	6.6	13	9.4	7.7	4	10	6.9	27.3	6.6	21	4.8	10.6	5.2
			10	13	8.3	8.3	8	11.7	9.6	5	6	8.7	34.1	8.3	13	6.0	13.3	6.4
			12	9	9.9	9.9	6	14.1	11.5	6	4	10.4	41.0	9.9	9	7.2	15.9	7.7

# 2" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200 LUMEN ROUND ANGLE-CUT REFLECTOR REMODEL 2AC Trim

2AC Angle-Cut Reflector



Self-Flanged



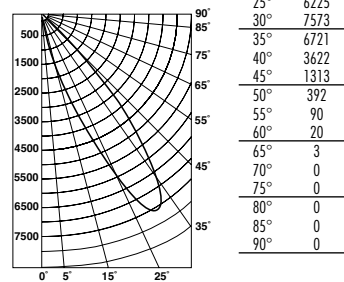
Flangeless



## PHOTOMETRICS

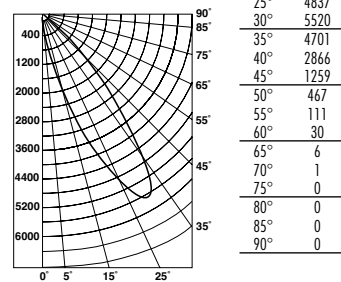
### SPOT

**PHOTOMETRIC REPORT**  
 Test Report: PTO2140601R  
 Catalog No: AX2 AR 12LM 30K  
 80CRI 18D FPC 120  
 2AC CD  
 (Aim at 30°)  
**Watts:** 14.8  
**Lumens:** 1244  
**Luminaire LPW:** 84



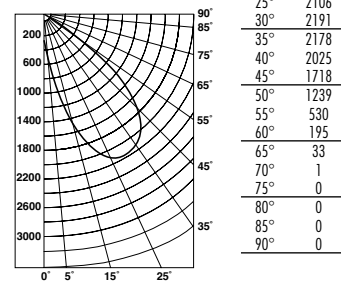
### NARROW FLOOD

**PHOTOMETRIC REPORT**  
 Test Report: PTO2140605R  
 Catalog No: AX2 AR 12LM 30K  
 80CRI 24D FPC 120  
 2AC CD  
 (Aim at 30°)  
**Watts:** 14.8  
**Lumens:** 1178  
**Luminaire LPW:** 80



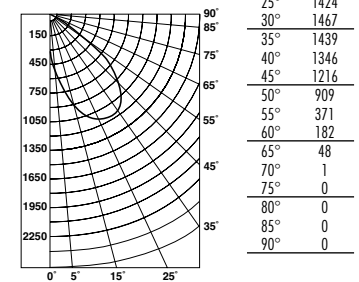
### FLOOD

**PHOTOMETRIC REPORT**  
 Test Report: PTO2140609R  
 Catalog No: AX2 AR 12LM 30K  
 80CRI 35D FPC 120  
 2AC CD  
 (Aim at 30°)  
**Watts:** 14.8  
**Lumens:** 1108  
**Luminaire LPW:** 75



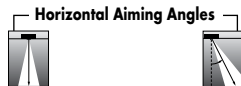
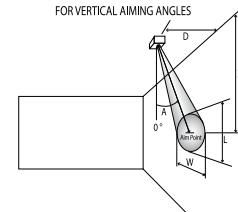
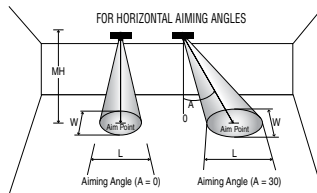
### WIDE FLOOD

**PHOTOMETRIC REPORT**  
 Test Report: PTO2140701R  
 Catalog No: AX2 AR 12LM 30K  
 80CRI 45D FPC 120  
 2AC CD  
 (Aim at 30°)  
**Watts:** 14.8  
**Lumens:** 1066  
**Luminaire LPW:** 72



**CBCP** • Centerbeam candlepower  
**FC** • Footcandles at beam center (aim point)

In vertical aiming applications, aim point (X) is determined by dividing distance from the wall (D) by the tangent of the desired aim angle (A) (0.5774 for 30°, 1.0 for 45°).



Beam Type	Beam Spread	CBCP	0°				30°			30°					40°			
			MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W
SP	18°	7573	4	473	1.3	1.3	307	1.7	1.5	2	237	3.5	2.7	1.3	503	2.4	1.6	1.0
			6	210	1.9	1.9	137	2.6	2.2	3	105	5.2	4.1	1.9	223	3.6	2.4	1.5
			8	118	2.5	2.5	77	3.4	2.9	4	59	6.9	5.5	2.5	126	4.8	3.2	2.0
			10	76	3.2	3.2	49	4.3	3.7	5	38	8.7	6.9	3.2	80	6.0	4.0	2.5
			12	53	3.8	3.8	34	5.1	4.4	6	26	10.4	8.2	3.8	56	7.2	4.8	3.0
NFL	24°	5520	4	345	1.7	1.7	224	2.3	2.0	2	173	3.5	3.9	1.9	367	2.4	2.2	1.3
			6	153	2.6	2.6	100	3.5	2.9	3	77	5.2	5.9	2.6	163	3.6	3.3	2.0
			8	86	3.4	3.4	56	4.6	3.9	4	43	6.9	7.9	3.4	92	4.8	4.4	2.6
			10	55	4.3	4.3	36	5.8	4.9	5	28	8.7	9.8	4.3	59	6.0	5.5	3.3
			12	38	5.1	5.1	25	6.9	5.9	6	19	10.4	11.8	5.1	41	7.2	6.6	4.0
FL	35°	2191	4	137	2.5	2.5	89	3.5	2.9	2	68	3.5	7.2	2.5	145	2.7	3.6	2.0
			6	61	3.8	3.8	40	5.2	4.4	3	30	5.2	10.8	3.8	65	3.6	5.3	2.9
			8	34	5.0	5.0	22	7.0	5.8	4	17	6.9	14.4	5.0	36	4.8	7.1	3.9
			10	22	6.3	6.3	14	8.7	7.3	5	11	8.7	18.0	6.3	23	6.0	8.9	4.9
			12	15	7.6	7.6	10	10.4	8.7	6	8	10.4	21.6	7.6	16	7.2	10.7	5.9
WFL	45°	1467	4	92	3.3	3.3	60	4.7	3.8	2	46	3.5	13.7	3.3	97	2.4	5.3	2.6
			6	41	5.0	5.0	26	7.0	5.7	3	20	5.0	20.5	5.0	43	3.6	8.0	3.9
			8	23	6.6	6.6	15	9.4	7.7	4	11	6.9	27.3	6.6	24	4.8	10.6	5.2
			10	15	8.3	8.3	10	11.7	9.6	5	7	8.7	34.1	8.3	16	6.0	13.3	6.4
			12	10	9.9	9.9	7	14.1	11.5	6	5	10.4	41.0	9.9	11	7.2	15.9	7.7

# 2" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200 LUMEN ROUND ANGLE-CUT REFLECTOR REMODEL 2AC Trim with WET option

2AC Angle-Cut Reflector



Self-Flanged

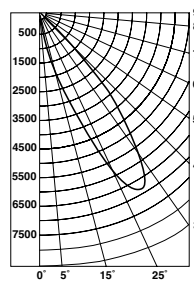


Flangeless



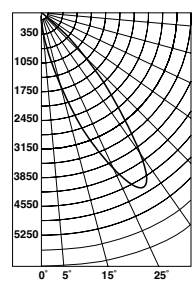
PHOTOMETRICS

**SPOT**  
**PHOTOMETRIC REPORT**  
Test Report: PTO2140602R  
Catalog No: AX2 AR 12LM 30K  
80CRI 18D FPC 120  
2AC CD WET  
(Aim at 30°)  
**Watts: 14.8**  
**Lumens: 1114**  
**Luminaire LPW: 75**



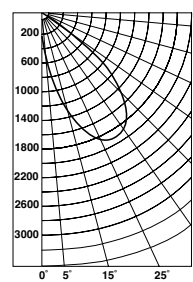
Candlepower Distribution (Candelas)	
Degrees	Candela
0°	236
5°	317
10°	654
15°	1546
20°	3229
25°	5547
30°	6592
35°	5720
40°	3234
45°	1231
50°	391
55°	102
60°	25
65°	6
70°	1
75°	0
80°	0
85°	0
90°	0

**NARROW FLOOD**  
**PHOTOMETRIC REPORT**  
Test Report: PTO2140606R  
Catalog No: AX2 AR 12LM 30K  
80CRI 24D FPC 120  
2AC CD WET  
(Aim at 30°)  
**Watts: 14.8**  
**Lumens: 1045**  
**Luminaire LPW: 71**



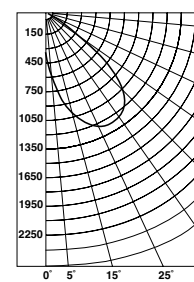
Candlepower Distribution (Candelas)	
Degrees	Candela
0°	272
5°	401
10°	784
15°	1603
20°	2865
25°	4185
30°	4728
35°	4052
40°	2510
45°	1154
50°	441
55°	117
60°	32
65°	8
70°	2
75°	0
80°	0
85°	0
90°	0

**FLOOD**  
**PHOTOMETRIC REPORT**  
Test Report: PTO2140610R  
Catalog No: AX2 AR 12LM 30K  
80CRI 35D FPC 120  
2AC CD WET  
(Aim at 30°)  
**Watts: 14.8**  
**Lumens: 983**  
**Luminaire LPW: 66**



Candlepower Distribution (Candelas)	
Degrees	Candela
0°	279
5°	489
10°	855
15°	1301
20°	1661
25°	1866
30°	1941
35°	1924
40°	1782
45°	1505
50°	1076
55°	483
60°	189
65°	45
70°	1
75°	0
80°	0
85°	0
90°	0

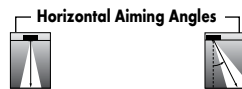
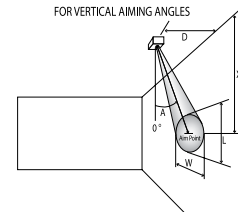
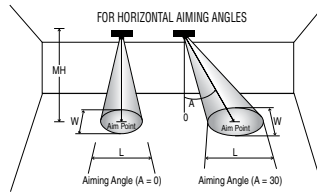
**WIDE FLOOD**  
**PHOTOMETRIC REPORT**  
Test Report: PTO2140702R  
Catalog No: AX2 AR 12LM 30K  
80CRI 45D FPC 120  
2AC CD WET  
(Aim at 30°)  
**Watts: 14.8**  
**Lumens: 933**  
**Luminaire LPW: 63**



Candlepower Distribution (Candelas)	
Degrees	Candela
0°	395
5°	567
10°	793
15°	1006
20°	1167
25°	1253
30°	1296
35°	1275
40°	1196
45°	1079
50°	832
55°	357
60°	172
65°	64
70°	1
75°	0
80°	0
85°	0
90°	0

**CBCP** • Centerbeam candlepower  
**FC** • Footcandles at beam center (aim point)

In vertical aiming applications, aim point (X) is determined by dividing distance from the wall (D) by the tangent of the desired aim angle (A) (0.5774 for 30°, 1.0 for 45°).



Beam Type	Beam Spread	CBCP	0°				30°			30°					40°			
			MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W
SP	18°	6592	4	412	1.3	1.3	268	1.7	1.5	2	206	3.5	2.7	1.3	438	2.4	1.6	1.0
			6	183	1.9	1.9	119	2.6	2.2	3	92	5.2	4.1	1.9	195	3.6	2.4	1.5
			8	103	2.5	2.5	67	3.4	2.9	4	52	6.9	5.5	2.5	109	4.8	3.2	2.0
			10	66	3.2	3.2	43	4.3	3.7	5	33	8.7	6.9	3.2	70	6.0	4.0	2.5
			12	46	3.8	3.8	30	5.1	4.4	6	23	10.4	8.2	3.8	49	7.2	4.8	3.0
NFL	24°	4727	4	295	1.7	1.7	192	2.3	2.0	2	148	3.5	3.9	1.7	314	2.4	2.2	1.3
			6	131	2.6	2.6	85	3.5	2.9	3	66	5.2	5.9	2.6	139	3.6	3.3	2.0
			8	74	3.4	3.4	48	4.6	3.9	4	37	6.9	7.9	3.4	78	4.8	4.4	2.6
			10	47	4.3	4.3	31	5.8	4.9	5	24	8.7	9.8	4.3	50	6.0	5.5	3.3
			12	33	5.1	5.1	21	6.9	5.9	6	16	10.4	11.8	5.1	35	7.2	6.6	4.0
FL	35°	1941	4	121	2.5	2.5	79	3.5	2.9	2	61	3.5	7.2	2.5	129	2.4	3.6	2.0
			6	54	3.8	3.8	35	5.2	4.4	3	27	5.2	10.8	3.8	57	3.6	5.3	2.9
			8	30	5.0	5.0	20	7.0	5.8	4	15	6.9	14.4	5.0	32	4.8	7.1	3.9
			10	19	6.3	6.3	13	8.7	7.3	5	10	8.7	18.0	6.3	21	6.0	8.9	4.9
			12	13	7.6	7.6	9	10.4	8.7	6	7	10.4	21.6	7.6	14	7.2	10.7	5.9
WFL	45°	1296	4	81	3.3	3.3	53	4.7	3.8	2	41	3.5	13.7	3.3	86	2.4	5.3	2.6
			6	36	5.0	5.0	23	7.0	5.7	3	18	5.2	20.5	5.0	38	3.6	8.0	3.9
			8	20	6.6	6.6	13	9.4	7.7	4	10	6.9	27.3	6.6	22	4.8	10.6	5.2
			10	13	8.3	8.3	8	11.7	9.6	5	6	8.7	34.1	8.3	14	6.0	13.3	6.4
			12	9	9.9	9.9	6	14.1	11.5	6	5	10.4	41.0	9.9	10	7.2	15.9	7.7

# 2" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200 LUMEN ROUND 1 1/4" ADJUSTABLE PINHOLE REMODEL 2APIN Trim

2APIN Adjustable Pinhole, 1 1/4"



Self-Flanged



Flangeless

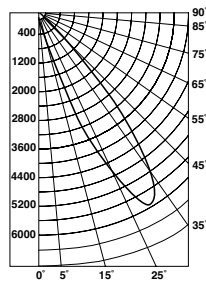


## PHOTOMETRICS

### SPOT PHOTOMETRIC REPORT

Test Report: PT10142108R  
Catalog No: AX2 AR 12LM 30K  
80CRI 18D FPC 120  
2APIN BD  
(Aim at 30°)

Watts: 14.8  
Lumens: 754  
Luminaire LPW: 51



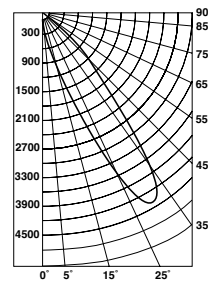
### Candlepower Distribution (Candelas)

Degrees	Vertical	Candela
0°	79	
5°	137	
10°	349	
15°	977	
20°	2301	
25°	4685	
30°	5972	
35°	5229	
40°	2618	
45°	867	
50°	181	
55°	58	
60°	12	
65°	3	
70°	0	
75°	0	
80°	0	
85°	0	
90°	0	

### NARROW FLOOD PHOTOMETRIC REPORT

Test Report: PT10142110R  
Catalog No: AX2 AR 12LM 30K  
80CRI 24D FPC 120  
2APIN BD  
(Aim at 30°)

Watts: 14.8  
Lumens: 714  
Luminaire LPW: 48



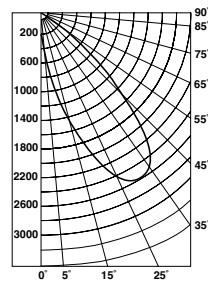
### Candlepower Distribution (Candelas)

Degrees	Vertical	Candela
0°	89	
5°	184	
10°	435	
15°	980	
20°	2029	
25°	3488	
30°	4438	
35°	3868	
40°	2314	
45°	1071	
50°	336	
55°	89	
60°	25	
65°	6	
70°	1	
75°	0	
80°	0	
85°	0	
90°	0	

### FLOOD PHOTOMETRIC REPORT

Test Report: PT10142201R  
Catalog No: AX2 AR 12LM 30K  
80CRI 35D FPC 120  
2APIN BD  
(Aim at 30°)

Watts: 14.8  
Lumens: 916  
Luminaire LPW: 62



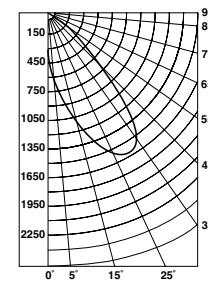
### Candlepower Distribution (Candelas)

Degrees	Vertical	Candela
0°	215	
5°	453	
10°	879	
15°	1466	
20°	2025	
25°	2402	
30°	2599	
35°	2541	
40°	2120	
45°	1549	
50°	802	
55°	365	
60°	107	
65°	4	
70°	0	
75°	0	
80°	0	
85°	0	
90°	0	

### WIDE FLOOD PHOTOMETRIC REPORT

Test Report: PT10142112R  
Catalog No: AX2 AR 12LM 30K  
80CRI 45D FPC 120  
2APIN BD  
(Aim at 30°)

Watts: 14.8  
Lumens: 707  
Luminaire LPW: 48

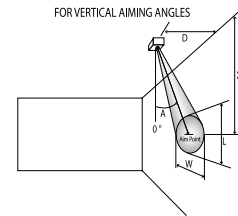
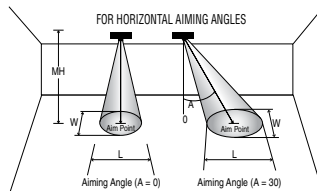


### Candlepower Distribution (Candelas)

Degrees	Vertical	Candela
0°	364	
5°	620	
10°	914	
15°	1175	
20°	1379	
25°	1535	
30°	1616	
35°	1556	
40°	1224	
45°	728	
50°	333	
55°	190	
60°	43	
65°	2	
70°	0	
75°	0	
80°	0	
85°	0	
90°	0	

### LUMEN OUTPUT MULTIPLIERS

Color Temperature	CRI	Multiplier
2700K	80	0.93
3000K	80	1.00
3500K	80	1.02
4000K	80	1.06
2700K	90	0.71
3000K	90	0.77



CBCP • Centerbeam candlepower  
FC • Footcandles at beam center (aim point)

In vertical aiming applications, aim point (X) is determined by dividing distance from the wall (D) by the tangent of the desired aim angle (A) (0.5774 for 30°, 1.0 for 45°).



Beam Type	Beam Spread	CBCP	0°				30°			30°				40°				
			MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W
SP	18°	5972	4	373	1.3	1.3	242	1.7	1.5	2	187	3.5	2.7	1.3	397	2.4	1.6	1.0
			6	166	1.9	1.9	108	2.6	2.2	3	83	5.2	4.1	1.9	176	3.6	2.4	1.5
			8	93	2.5	2.5	61	3.4	2.9	4	47	6.9	5.5	2.5	99	4.8	3.2	2.0
			10	60	3.2	3.2	39	4.3	3.7	5	30	8.7	6.9	3.2	63	6.0	4.0	2.5
			12	41	3.8	3.8	27	5.1	4.4	6	21	10.4	8.2	3.8	44	7.2	4.8	3.0
NFL	24°	4438	4	277	1.7	1.7	180	2.3	2.0	2	139	3.5	3.9	1.7	295	2.4	2.2	1.3
			6	123	2.6	2.6	80	3.5	2.9	3	62	5.2	5.9	2.6	131	3.6	3.3	2.0
			8	69	3.4	3.4	45	4.6	3.9	4	35	6.9	7.9	3.4	74	4.8	4.4	2.6
			10	44	4.3	4.3	29	5.8	4.9	5	22	8.7	9.8	4.3	47	6.0	5.5	3.3
FL	35°	2599	4	162	2.5	2.5	106	3.5	2.9	2	81	3.5	7.2	2.5	173	2.4	3.6	2.0
			6	72	3.8	3.8	47	5.2	4.4	3	36	5.2	10.8	3.8	77	3.6	5.3	2.9
			8	41	5.0	5.0	26	7.0	5.8	4	20	6.9	14.4	5.0	43	4.8	7.1	3.9
			10	26	6.3	6.3	17	8.7	7.3	5	13	8.7	18.0	6.3	28	6.0	8.9	4.9
WFL	45°	1616	4	101	3.3	3.3	66	4.7	3.8	2	51	3.5	13.7	3.3	107	2.4	5.3	2.6
			6	45	5.0	5.0	29	7.0	5.7	3	22	5.2	20.5	5.0	48	3.6	8.0	3.9
			8	25	6.6	6.6	16	9.4	7.7	4	13	6.9	27.3	6.6	27	4.8	10.6	5.2
			10	16	8.3	8.3	10	11.7	9.6	5	8	8.7	34.1	8.3	17	6.0	13.3	6.4
WFL	45°	1616	12	11	9.9	9.9	7	14.1	11.5	6	6	10.4	41.0	9.9	12	7.2	15.9	7.7



# 2" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200 LUMEN

## ROUND 1 1/4" ADJUSTABLE PINHOLE REMODEL 2APIN Trim with WET option

2APIN Adjustable Pinhole, 1 1/4"



Self-Flanged



Flangeless

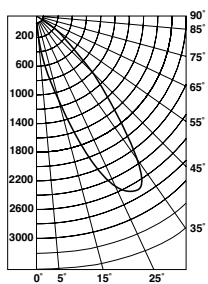


### PHOTOMETRICS

#### SPOT PHOTOMETRIC REPORT

Test Report: PT10142101R  
Catalog No: AX2 AR 12LM 30K  
80CRI 18D FPC 120  
2APIN BD WET  
(Aim at 30°)

Watts: 14.8  
Lumens: 649  
Luminaire LPW: 44



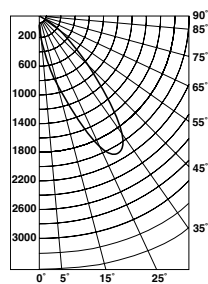
#### Candlepower Distribution (Candelas)

Degrees	Vertical	Candela
0°	0	113
5°	0	232
10°	0	501
15°	0	1018
20°	0	1771
25°	0	2481
30°	0	2719
35°	0	2351
40°	0	1672
45°	0	1020
50°	0	555
55°	0	279
60°	0	130
65°	0	55
70°	0	21
75°	0	6
80°	0	0
85°	0	0
90°	0	0

#### NARROW FLOOD PHOTOMETRIC REPORT

Test Report: PT10142103R  
Catalog No: AX2 AR 12LM 30K  
80CRI 24D FPC 120  
2APIN BD WET  
(Aim at 30°)

Watts: 14.8  
Lumens: 612  
Luminaire LPW: 41



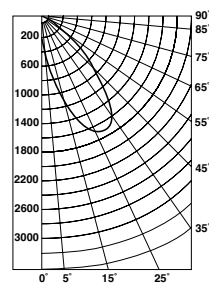
#### Candlepower Distribution (Candelas)

Degrees	Vertical	Candela
0°	0	125
5°	0	247
10°	0	487
15°	0	898
20°	0	1441
25°	0	1938
30°	0	2133
35°	0	1925
40°	0	1466
45°	0	968
50°	0	572
55°	0	312
60°	0	160
65°	0	76
70°	0	31
75°	0	6
80°	0	0
85°	0	0
90°	0	0

#### FLOOD PHOTOMETRIC REPORT

Test Report: PT10142010R  
Catalog No: AX2 AR 12LM 30K  
80CRI 35D FPC 120  
2APIN BD WET  
(Aim at 30°)

Watts: 14.8  
Lumens: 765  
Luminaire LPW: 52



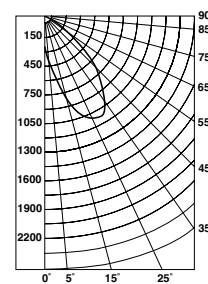
#### Candlepower Distribution (Candelas)

Degrees	Vertical	Candela
0°	0	259
5°	0	473
10°	0	781
15°	0	1138
20°	0	1460
25°	0	1676
30°	0	1729
35°	0	1604
40°	0	1332
45°	0	984
50°	0	648
55°	0	390
60°	0	216
65°	0	104
70°	0	36
75°	0	3
80°	0	0
85°	0	0
90°	0	0

#### WIDE FLOOD PHOTOMETRIC REPORT

Test Report: PT10142106R  
Catalog No: AX2 AR 12LM 30K  
80CRI 45D FPC 120  
2APIN BD WET  
(Aim at 30°)

Watts: 14.8  
Lumens: 599  
Luminaire LPW: 40

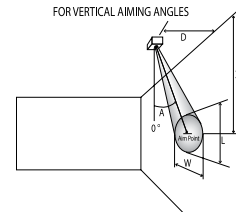
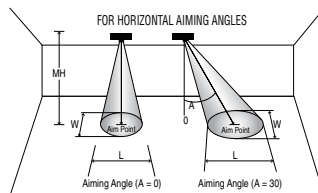


#### Candlepower Distribution (Candelas)

Degrees	Vertical	Candela
0°	0	263
5°	0	423
10°	0	614
15°	0	811
20°	0	976
25°	0	1088
30°	0	1117
35°	0	1045
40°	0	877
45°	0	659
50°	0	439
55°	0	267
60°	0	148
65°	0	70
70°	0	22
75°	0	1
80°	0	0
85°	0	0
90°	0	0

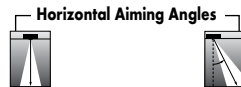
### LUMEN OUTPUT MULTIPLIERS

Color	Temperature	CRI	Multiplier
2700K	80	0.93	
3000K	80	1.00	
3500K	80	1.02	
4000K	80	1.06	
2700K	90	0.71	
3000K	90	0.77	



**CBCP** • Centerbeam candlepower  
**FC** • Footcandles at beam center (aim point)

In vertical aiming applications, aim point (X) is determined by dividing distance from the wall (D) by the tangent of the desired aim angle (A) (0.5774 for 30°, 1.0 for 45°).



Beam Type	Beam Spread	CBCP	0°				30°			30°				40°				
			MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W
SP	18°	2719	4	170	1.3	1.3	110	1.7	1.5	2	85	3.5	2.7	1.3	181	2.4	1.6	1.0
			6	76	1.9	1.9	49	2.6	2.2	3	38	5.2	4.1	1.9	80	3.6	2.4	1.5
			8	42	2.5	2.5	28	3.4	2.9	4	21	6.9	5.5	2.5	45	4.8	3.2	2.0
			10	27	3.2	3.2	18	4.3	3.7	5	14	8.7	6.9	3.2	29	6.0	4.0	2.5
NFL	24°	2132	4	133	1.7	1.7	87	2.3	2.0	2	67	3.5	3.9	1.7	142	2.4	2.2	1.3
			6	59	2.6	2.6	38	3.5	2.9	3	30	5.2	5.9	2.6	63	3.6	3.3	2.0
			8	33	3.4	3.4	22	4.6	3.9	4	17	6.9	7.9	3.4	35	4.8	4.4	2.6
			10	21	4.3	4.3	14	5.8	4.9	5	11	8.7	9.8	4.3	23	6.0	5.5	3.3
FL	35°	1729	4	108	2.5	2.5	70	3.5	2.9	2	54	3.5	7.2	2.5	115	2.4	3.6	2.0
			6	48	3.8	3.8	31	5.2	4.4	3	24	5.2	10.8	3.8	51	3.6	5.3	2.9
			8	27	5.0	5.0	18	7.0	5.8	4	14	6.9	14.4	5.0	29	4.8	7.1	3.9
			10	17	6.3	6.3	11	8.7	7.3	5	9	8.7	18.0	6.3	18	6.0	8.9	4.9
WFL	45°	1117	4	70	3.3	3.3	45	4.8	3.8	2	35	3.5	13.7	3.3	74	2.4	5.3	2.6
			6	31	5.0	5.0	20	7.0	5.7	3	16	5.2	20.5	5.0	33	3.6	8.0	3.9
			8	17	6.6	6.6	11	9.4	7.7	4	9	6.9	27.3	6.6	19	4.8	10.6	5.2
			10	11	8.3	8.3	7	11.7	9.6	5	6	8.7	34.1	8.3	12	6.0	13.3	6.4
			12	8	9.9	9.9	5	14.1	11.5	6	4	10.4	41.0	9.9	8	7.2	15.9	7.7

2APINLG Adjustable Pinhole, 1 3/4"



Self-Flanged



Flangeless



# 2" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200 LUMEN ROUND 1 3/4" ADJUSTABLE PINHOLE REMODEL 2APINLG Trim

**PHOTOMETRICS**

**SPOT PHOTOMETRIC REPORT**  
 Test Report: PT10142109R  
 Catalog No: AX2 AR 12LM 30K  
 80CRI 18D FPC 120  
 2APINLG BD  
 (Aim at 30°)  
 Watts: 14.8  
 Lumens: 948  
 Luminaire LPW: 64

Vertical Degrees	Candela
0°	122
5°	212
10°	421
15°	1180
20°	2568
25°	5268
30°	7271
35°	6285
40°	3047
45°	986
50°	222
55°	67
60°	15
65°	4
70°	1
75°	0
80°	0
85°	0
90°	0

**NARROW FLOOD PHOTOMETRIC REPORT**  
 Test Report: PT10142111R  
 Catalog No: AX2 AR 12LM 30K  
 80CRI 24D FPC 120  
 2APINLG BD  
 (Aim at 30°)  
 Watts: 14.8  
 Lumens: 911  
 Luminaire LPW: 62

Vertical Degrees	Candela
0°	146
5°	275
10°	572
15°	1259
20°	2526
25°	4190
30°	5310
35°	4581
40°	2612
45°	1085
50°	341
55°	89
60°	28
65°	7
70°	2
75°	0
80°	0
85°	0
90°	0

**FLOOD PHOTOMETRIC REPORT**  
 Test Report: PT10142202R  
 Catalog No: AX2 AR 12LM 30K  
 80CRI 35D FPC 120  
 2APINLG BD  
 (Aim at 30°)  
 Watts: 14.8  
 Lumens: 999  
 Luminaire LPW: 67

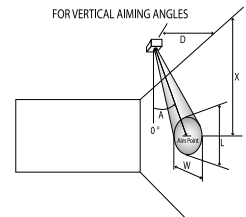
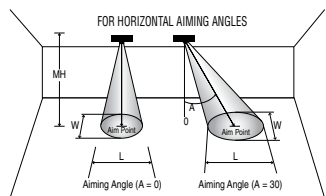
Vertical Degrees	Candela
0°	247
5°	495
10°	928
15°	1516
20°	2055
25°	2414
30°	2592
35°	2572
40°	2248
45°	1691
50°	869
55°	388
60°	133
65°	9
70°	1
75°	0
80°	0
85°	0
90°	0

**WIDE FLOOD PHOTOMETRIC REPORT**  
 Test Report: PT10142113R  
 Catalog No: AX2 AR 12LM 30K  
 80CRI 45D FPC 120  
 2APINLG BD  
 (Aim at 30°)  
 Watts: 14.8  
 Lumens: 830  
 Luminaire LPW: 56

Vertical Degrees	Candela
0°	430
5°	663
10°	947
15°	1197
20°	1394
25°	1544
30°	1624
35°	1567
40°	1356
45°	907
50°	397
55°	218
60°	98
65°	5
70°	1
75°	1
80°	0
85°	0
90°	0

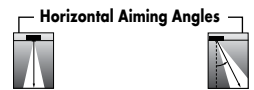
**LUMEN OUTPUT MULTIPLIERS**

Color Temperature	CRI	Multiplier
2700K	80	0.93
3000K	80	1.00
3500K	80	1.02
4000K	80	1.06
2700K	90	0.71
3000K	90	0.77



**CBCP** • Centerbeam candlepower  
**FC** • Footcandles at beam center (aim point)

In vertical aiming applications, aim point (X) is determined by dividing distance from the wall (D) by the tangent of the desired aim angle (A) (0.5774 for 30°, 1.0 for 45°).



Beam Type	Beam Spread	CBCP	0°				30°			30°				40°				
			MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W
SP	18°	7271	4	454	1.3	1.3	295	1.7	1.5	2	227	3.5	2.7	1.3	483	2.4	1.6	1.0
			6	202	1.9	1.9	131	2.6	2.2	3	101	5.2	4.1	1.9	215	3.6	2.4	1.5
			8	114	2.5	2.5	74	3.4	2.9	4	57	6.9	5.5	2.5	121	4.8	3.2	2.0
			10	73	3.2	3.2	47	4.3	3.7	5	36	8.7	6.9	3.2	77	6.0	4.0	2.5
			12	50	3.8	3.8	33	5.1	4.4	6	25	10.4	8.2	3.8	54	7.2	4.8	3.0
NFL	24°	5310	4	332	1.7	1.7	216	2.3	2.0	2	166	3.5	3.9	1.7	353	2.4	2.2	1.3
			6	148	2.6	2.6	96	3.5	2.9	3	74	5.2	5.9	2.6	157	3.6	3.3	2.0
			8	83	3.4	3.4	54	4.6	3.9	4	41	6.9	7.9	3.4	88	4.8	4.4	2.6
			10	53	4.3	4.3	34	5.8	4.9	5	27	8.7	9.8	4.3	56	6.0	5.5	3.3
FL	35°	2592	4	162	2.5	2.5	105	3.5	2.9	2	81	3.5	7.2	2.5	172	2.4	3.6	2.0
			6	72	3.8	3.8	47	5.2	4.4	3	36	5.2	10.8	3.8	76	3.6	5.3	2.9
			8	41	5.0	5.0	26	7.0	5.8	4	20	6.9	14.4	5.0	43	4.8	7.1	3.9
			10	26	6.3	6.3	17	8.7	7.3	5	13	8.7	18.0	6.3	28	6.0	8.9	4.9
WFL	45°	1624	4	102	3.3	3.3	66	4.7	3.8	2	51	3.5	13.7	3.3	108	2.4	5.3	2.6
			6	45	5.0	5.0	29	7.0	5.7	3	23	5.2	20.5	5.0	48	3.6	8.0	3.9
			8	25	6.6	6.6	16	9.4	7.7	4	13	6.9	27.3	6.6	27	4.8	10.6	5.2
			10	16	8.3	8.3	11	11.7	9.6	5	8	8.7	34.1	8.3	17	6.0	13.3	6.4
			12	11	9.9	9.9	7	14.1	11.5	6	6	10.4	41.0	9.9	12	7.2	15.9	7.7

2APINLG Adjustable Pinhole, 1 3/4"



Self-Flanged



Flangeless



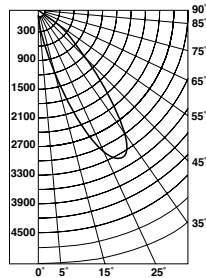
# 2" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200 LUMEN ROUND 1 3/4" ADJUSTABLE PINHOLE REMODEL 2APINLG Trim with WET option

PHOTOMETRICS

**SPOT**  
**PHOTOMETRIC REPORT**

Test Report: PT10142102R  
Catalog No: AX2 AR 12LM 30K  
80CRI 18D FPC 120  
2APINLG BD WET  
(Aim at 30°)

Watts: 14.8  
Lumens: 855  
Luminaire LPW: 58



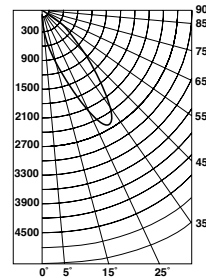
**Candlepower Distribution**

Degrees	Vertical	Candela
0°	147	
5°	287	
10°	602	
15°	1209	
20°	2103	
25°	3014	
30°	3391	
35°	2968	
40°	2107	
45°	1294	
50°	723	
55°	382	
60°	197	
65°	100	
70°	50	
75°	24	
80°	10	
85°	2	
90°	0	

**NARROW FLOOD**  
**PHOTOMETRIC REPORT**

Test Report: PT10142104R  
Catalog No: AX2 AR 12LM 30K  
80CRI 18D FPC 120  
2APINLG BD WET  
(Aim at 30°)

Watts: 14.8  
Lumens: 800  
Luminaire LPW: 54



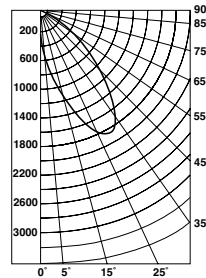
**Candlepower Distribution**

Degrees	Vertical	Candela
0°	162	
5°	301	
10°	580	
15°	1070	
20°	1740	
25°	2382	
30°	2651	
35°	2394	
40°	1805	
45°	1196	
50°	723	
55°	412	
60°	229	
65°	124	
70°	64	
75°	31	
80°	12	
85°	2	
90°	0	

**FLOOD**  
**PHOTOMETRIC REPORT**

Test Report: PT10142105R  
Catalog No: AX2 AR 12LM 30K  
80CRI 18D FPC 120  
2APINLG BD WET  
(Aim at 30°)

Watts: 14.8  
Lumens: 880  
Luminaire LPW: 59



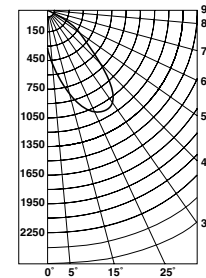
**Candlepower Distribution**

Degrees	Vertical	Candela
0°	278	
5°	489	
10°	807	
15°	1183	
20°	1522	
25°	1754	
30°	1823	
35°	1709	
40°	1434	
45°	1085	
50°	750	
55°	486	
60°	302	
65°	179	
70°	101	
75°	52	
80°	21	
85°	3	
90°	0	

**WIDE FLOOD**  
**PHOTOMETRIC REPORT**

Test Report: PT10142107R  
Catalog No: AX2 AR 12LM 30K  
80CRI 18D FPC 120  
2APINLG BD WET  
(Aim at 30°)

Watts: 14.8  
Lumens: 730  
Luminaire LPW: 49

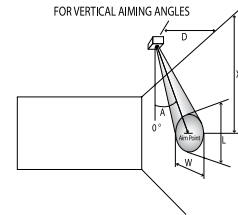
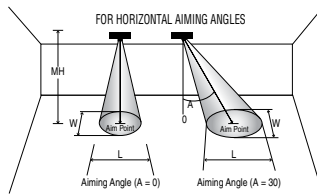


**Candlepower Distribution**

Degrees	Vertical	Candela
0°	315	
5°	468	
10°	660	
15°	854	
20°	1017	
25°	1132	
30°	1167	
35°	1105	
40°	943	
45°	727	
50°	511	
55°	338	
60°	213	
65°	128	
70°	73	
75°	37	
80°	15	
85°	2	
90°	0	

LUMEN OUTPUT MULTIPLIERS

Color Temperature	CRI	Multiplier
2700K	80	0.93
3000K	80	1.00
3500K	80	1.02
4000K	80	1.06
2700K	90	0.71
3000K	90	0.77



**CBCP** • Centerbeam candlepower  
**FC** • Footcandles at beam center (aim point)

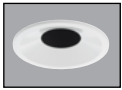
In vertical aiming applications, aim point (X) is determined by dividing distance from the wall (D) by the tangent of the desired aim angle (A) (0.5774 for 30°, 1.0 for 45°).



Beam Type	Beam Spread	CBCP	0°			30°			30°			40°						
			MH	FC	L W	FC	L W	D	FC	X	L W	FC	X	L W				
SP	18°	3391	4	212	1.3	1.3	138	1.7	1.5	2	106	3.5	2.7	1.3	225	2.4	1.6	1.0
			6	94	1.9	1.9	61	2.6	2.2	3	47	5.2	4.1	1.9	100	3.6	2.4	1.5
			8	53	2.5	2.5	34	3.4	2.9	4	26	6.9	5.5	2.5	56	4.8	3.2	2.0
			10	34	3.2	3.2	22	4.3	3.7	5	17	8.7	6.9	3.2	36	6.0	4.0	2.5
NFL	24°	2651	4	166	1.7	1.7	108	2.3	2.0	2	83	3.5	3.9	1.7	176	2.4	2.2	1.3
			6	74	2.6	2.6	48	3.5	2.9	3	37	5.2	5.9	2.6	78	3.6	3.3	2.0
			8	41	3.4	3.4	27	4.6	3.9	4	21	6.9	7.9	3.4	44	4.8	4.4	2.6
			10	27	4.3	4.3	17	5.8	4.9	5	13	8.7	9.8	4.3	28	6.0	5.5	3.3
FL	35°	1823	4	114	2.5	2.5	74	3.5	2.9	2	57	3.5	7.2	2.5	121	2.4	3.6	2.0
			6	51	3.8	3.8	33	5.2	4.4	3	25	5.2	10.8	3.8	54	3.6	5.3	2.9
			8	28	5.0	5.0	19	7.0	5.8	4	14	6.9	14.4	5.0	30	4.8	7.1	3.9
			10	18	6.3	6.3	12	8.7	7.3	5	9	8.7	18.0	6.3	19	6.0	8.9	4.9
WFL	45°	1167	4	73	3.3	3.3	47	4.7	3.8	2	36	3.5	13.7	3.3	77	2.4	5.3	2.6
			6	32	5.0	5.0	21	7.0	5.7	3	16	5.2	20.5	5.0	34	3.6	8.0	3.9
			8	18	6.6	6.6	12	9.4	7.7	4	9	6.9	27.3	6.6	19	4.8	10.6	5.2
			10	12	8.3	8.3	8	11.7	9.6	5	6	8.7	34.1	8.3	12	6.0	13.3	6.4
			12	8	9.9	9.9	5	14.1	11.5	6	4	10.4	41.0	9.9	9	7.2	15.9	7.7

# 2" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200 LUMEN ROUND DOWNLIGHT BEVEL REMODEL 2DBV Trim

2DBV Downlight Bevel



Self-Flanged



Flangeless



## PHOTOMETRICS

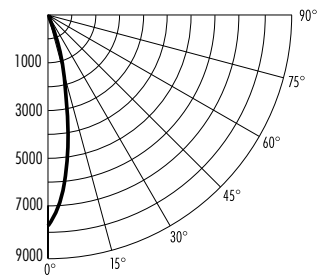
### SPOT

#### PHOTOMETRIC REPORT

Test Report #: PT02140112  
Catalog No: AX2 AR 12LM 30K  
80CRI 18D FPC 120  
2DBV BD

Luminaire Spacing Criterion: 0.32

Luminaire LPW: 67



#### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	7843
5	6604
15	1323
25	133
35	11
45	0
55	0
65	0
75	0
85	0
90	0

#### AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)  
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	72	67	63
5.0'	46	43	40
6.0'	32	30	28
7.0'	26	24	23
8.0'	20	19	18
9.0'	16	14	14
10.0'	11	11	10

#### ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	995	99.0
0-40°	1004	99.9
0-60°	1005	100.0
0-90°	1005	100.0

#### INITIAL FOOTCANDLES

(One Unit, 15.1W, 18.4° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	217.9	1.9'
8	122.5	2.6'
10	78.4	3.2'
12	54.5	3.9'

#### LUMINANCE (Average cd/m<sup>2</sup>)

Degrees	Average Luminance
45	154
55	47
65	64
75	0
85	0

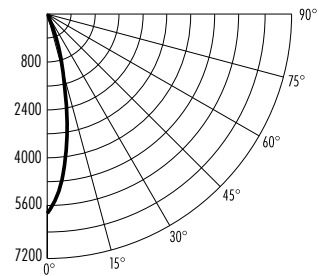
### NARROW FLOOD

#### PHOTOMETRIC REPORT

Test Report #: PT02140108  
Catalog No: AX2 AR 12LM 30K  
80CRI 24D FPC 120  
2DBV BD

Luminaire Spacing Criterion: 0.36

Luminaire LPW: 61



#### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	5812
5	4866
15	1396
25	200
35	19
45	3
55	1
65	1
75	0
85	0
90	0

#### AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)  
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	65	60	56
5.0'	42	38	36
6.0'	29	27	25
7.0'	23	22	20
8.0'	19	17	16
9.0'	14	13	12
10.0'	10	10	9

#### ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	904	98.0
0-40°	918	99.6
0-60°	921	99.9
0-90°	922	100.0

#### INITIAL FOOTCANDLES

(One Unit, 15.1W, 20.3° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	161.4	2.1'
8	90.8	2.9'
10	58.1	3.6'
12	40.4	4.3'

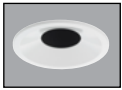
#### LUMINANCE (Average cd/m<sup>2</sup>)

Degrees	Average Luminance
45	845
55	332
65	321
75	315
85	312

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field. Photometry is at 3000K CCT.

# 2" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200 LUMEN ROUND DOWNLIGHT BEVEL REMODEL 2DBV Trim (continued)

2DBV Downlight Bevel



Self-Flanged



Flangeless



## PHOTOMETRICS

### FLOOD

#### PHOTOMETRIC REPORT

Test Report #: PT02140104

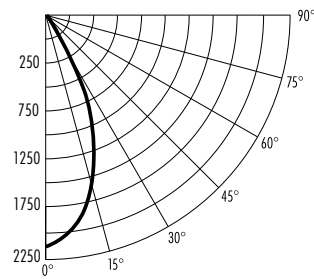
Catalog No: AX2 AR 12LM 30K

80CRI 35D FPC 120

2DBV BD

Luminaire Spacing Criterion: 0.68

Luminaire LPW: 61



#### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	2194
5	2171
15	1985
25	491
35	53
45	3
55	1
65	0
75	0
85	0
90	0

#### AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)

Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	65	59	53
5.0'	42	37	34
6.0'	29	26	24
7.0'	23	21	19
8.0'	18	17	15
9.0'	14	13	12
10.0'	10	9	9

#### ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	882	95.1
0-40°	921	99.5
0-60°	927	99.9
0-90°	927	100.0

#### INITIAL FOOTCANDLES

(One Unit, 15.1W, 39.8° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	60.9	4.3'
8	34.3	5.8'
10	21.9	7.2'
12	15.2	8.7'

#### LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	999
55	332
65	257
75	210
85	0

### WIDE FLOOD

#### PHOTOMETRIC REPORT

Test Report #: PT02140116

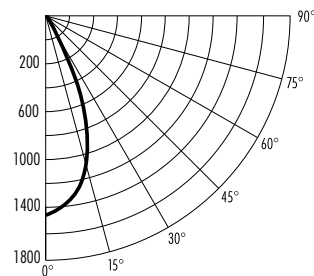
Catalog No: AX2 AR 12LM 30K

80CRI 45D FPC 120

2DBV BD

Luminaire Spacing Criterion: 0.74

Luminaire LPW: 47



#### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	1456
5	1410
15	1168
25	382
35	91
45	3
55	1
65	1
75	1
85	0
90	0

#### AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)

Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	50	45	41
5.0'	32	29	26
6.0'	22	20	18
7.0'	18	16	15
8.0'	14	13	12
9.0'	11	10	9
10.0'	8	7	6

#### ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	646	90.5
0-40°	705	98.9
0-60°	712	99.8
0-90°	714	100.0

#### INITIAL FOOTCANDLES

(One Unit, 15.1W, 42.7° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	40.4	4.7'
8	22.8	6.3'
10	14.6	7.8'
12	10.1	9.4'

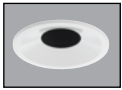
#### LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	845
55	568
65	514
75	525
85	0

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field. Photometry is at 3000K CCT.

# 2" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200 LUMEN ROUND DOWNLIGHT BEVEL REMODEL 2DBV Trim with WET option

2DBV Downlight Bevel



Self-Flanged



Flangeless



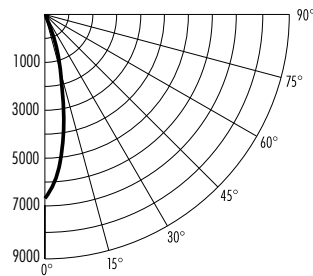
## PHOTOMETRICS

### SPOT PHOTOMETRIC REPORT

Test Report #: PT02140111  
Catalog No: AX2 AR 12LM 30K  
80CRI 18D FPC 120  
2DBV BD WET

Luminaire Spacing Criterion: 0.32

Luminaire LPW: 60



### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees	Vertical
0°	6799
5	5646
15	1218
25	133
35	13
45	3
55	1
65	1
75	1
85	0
90	0

### AVERAGE INITIAL FOOTCANDLES Multiple Units (Square Array, 60'x60' room) Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	64	59	56
5.0'	41	38	36
6.0'	29	26	25
7.0'	23	21	20
8.0'	18	17	16
9.0'	14	13	12
10.0'	10	9	9

### INITIAL FOOTCANDLES (One Unit, 15.1W, 18.6° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	188.9	2.0'
8	106.2	2.6'
10	68.0	3.3'
12	47.2	3.9'

### ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	888	98.3
0-40°	898	99.4
0-60°	902	99.8
0-90°	903	100.0

### LUMINANCE (Average cd/m<sup>2</sup>)

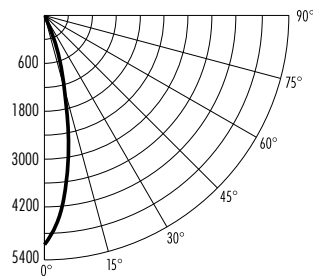
Degrees	Average Luminance
45	845
55	521
65	514
75	525
85	0

### NARROW FLOOD PHOTOMETRIC REPORT

Test Report #: PT02140107  
Catalog No: AX2 AR 12LM 30K  
80CRI 24D FPC 120  
2DBV BD WET

Luminaire Spacing Criterion: 0.36

Luminaire LPW: 56



### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees	Vertical
0°	5033
5	4243
15	1287
25	194
35	21
45	3
55	1
65	1
75	1
85	0
90	0

### AVERAGE INITIAL FOOTCANDLES Multiple Units (Square Array, 60'x60' room) Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	59	55	51
5.0'	38	35	33
6.0'	26	24	23
7.0'	21	20	18
8.0'	17	16	15
9.0'	13	12	11
10.0'	10	9	8

### INITIAL FOOTCANDLES (One Unit, 15.1W, 20.8° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	139.8	2.2'
8	78.6	2.9'
10	50.3	3.7'
12	35.0	4.4'

### ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	820	97.5
0-40°	835	99.3
0-60°	839	99.8
0-90°	841	100.0

### LUMINANCE (Average cd/m<sup>2</sup>)

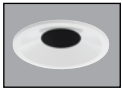
Degrees	Average Luminance
45	1076
55	521
65	514
75	525
85	312

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field. Photometry is at 3000K CCT.

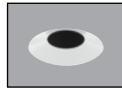
# 2" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200 LUMEN

## ROUND DOWNLIGHT BEVEL REMODEL 2DBV Trim with WET option (continued)

2DBV Downlight Bevel



Self-Flanged



Flangeless



### PHOTOMETRICS

#### FLOOD

##### PHOTOMETRIC REPORT

Test Report #: PT02140103

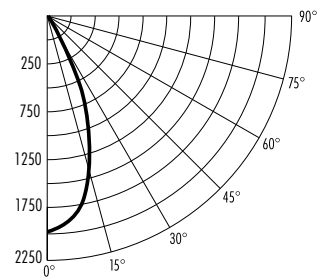
Catalog No: AX2 AR 12LM 30K

80CRI 35D FPC 120

2DBV BD WET

Luminaire Spacing Criterion: 0.66

Luminaire LPW: 56



##### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	1989
5	1951
15	1446
25	474
35	58
45	5
55	1
65	1
75	0
85	0
90	0

##### AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)

Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	59	54	49
5.0'	38	34	31
6.0'	26	24	22
7.0'	21	19	18
8.0'	17	15	14
9.0'	13	12	11
10.0'	10	9	8

##### ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	798	94.0
0-40°	842	99.1
0-60°	848	99.9
0-90°	849	100.0

##### INITIAL FOOTCANDLES

(One Unit, 15.1W, 39.5° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	55.3	4.3'
8	31.1	5.7'
10	19.9	7.2'
12	13.8	8.6'

##### LUMINANCE (Average cd/m<sup>2</sup>)

Degrees	Average Luminance
45	1575
55	521
65	450
75	315
85	0

#### WIDE FLOOD

##### PHOTOMETRIC REPORT

Test Report #: PT02140115

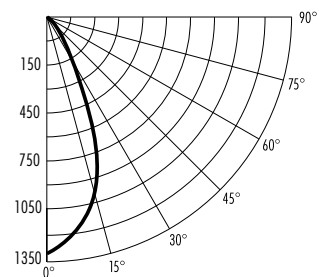
Catalog No: AX2 AR 12LM 30K

80CRI 45D FPC 120

2DBV BD WET

Luminaire Spacing Criterion: 0.72

Luminaire LPW: 43



##### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	1303
5	1267
15	1041
25	377
35	86
45	8
55	2
65	1
75	1
85	0
90	0

##### AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)

Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	46	41	37
5.0'	29	26	24
6.0'	20	18	16
7.0'	16	15	13
8.0'	13	12	10
9.0'	10	9	8
10.0'	7	7	6

##### ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	584	89.5
0-40°	640	98.1
0-60°	651	99.7
0-90°	653	100.0

##### INITIAL FOOTCANDLES

(One Unit, 15.1W, 42.7° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	36.2	4.7'
8	20.4	6.3'
10	13.0	7.8'
12	9.0	9.4'

##### LUMINANCE (Average cd/m<sup>2</sup>)

Degrees	Average Luminance
45	2382
55	758
65	707
75	630
85	0

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field. Photometry is at 3000K CCT.

# 2" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200 LUMEN ROUND HYPERBOLIC DOWNLIGHT REMODEL 2DH Trim

2DH Hyperbolic Downlight Trim



Self-Flanged



3.20"



Flangeless



2.875"

## PHOTOMETRICS

### SPOT

#### PHOTOMETRIC REPORT

Test Report #: PT02140706

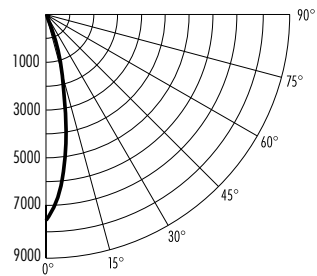
Catalog No: AX2 AR 12LM 30K

80CRI 18D FPC 120

2DH CD

Luminaire Spacing Criterion: 0.36

Luminaire LPW: 83



#### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees	Vertical	0°
0	Vertical	7636
5		6522
15		1790
25		260
35		55
45		11
55		2
65		0
75		0
85		0
90		0

#### AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)

Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	86	80	74
5.0'	55	51	47
6.0'	38	35	33
7.0'	31	29	27
8.0'	25	23	21
9.0'	19	17	16
10.0'	14	13	12

#### INITIAL FOOTCANDLES

(One Unit, 14.8W, 20.2° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	212.1	2.1'
8	119.3	2.9'
10	76.4	3.6'
12	53.0	4.3'

#### ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	1177	96.1
0-40°	1213	99.1
0-60°	1224	100.0
0-90°	1224	100.0

#### LUMINANCE (Average cd/m<sup>2</sup>)

Degrees	Average Luminance
45	5853
55	1640
65	111
75	0
85	540

### NARROW FLOOD

#### PHOTOMETRIC REPORT

Test Report #: PT02140707

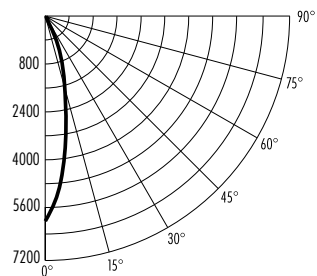
Catalog No: AX2 AR 12LM 30K

80CRI 24D FPC 120

2DH CD

Luminaire Spacing Criterion: 0.40

Luminaire LPW: 77



#### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees	Vertical	0°
0	Vertical	5730
5		4949
15		1739
25		348
35		58
45		14
55		3
65		0
75		0
85		0
90		0

#### AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)

Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	81	73	68
5.0'	52	47	44
6.0'	36	33	30
7.0'	29	26	25
8.0'	23	21	19
9.0'	18	16	15
10.0'	13	12	11

#### INITIAL FOOTCANDLES

(One Unit, 14.8W, 22.5° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	159.1	2.4'
8	89.5	3.2'
10	57.3	4.0'
12	39.8	4.8'

#### ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	1082	94.9
0-40°	1126	98.8
0-60°	1140	100.0
0-90°	1140	100.0

#### LUMINANCE (Average cd/m<sup>2</sup>)

Degrees	Average Luminance
45	7383
55	1640
65	0
75	0
85	0

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field. Photometry is at 3000K CCT.



# 2" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200 LUMEN ROUND HYPERBOLIC DOWNLIGHT REMODEL 2DH Trim (continued)

2DH Hyperbolic Downlight Trim



Self-Flanged



Flangeless



**PHOTOMETRICS**

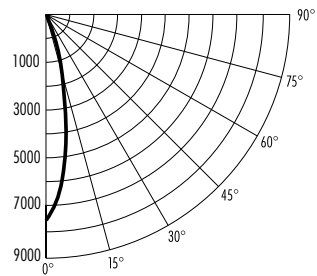
**SPOT**

**PHOTOMETRIC REPORT**

Test Report #: PT02140706  
Catalog No: AX2 AR 12LM 30K  
80CRI 18D FPC 120  
2DH CD

Luminaire Spacing Criterion: 0.36

Luminaire LPW: 83



**CANDLEPOWER DISTRIBUTION (Candelas)**

Degrees	Vertical	0°
0	Vertical	7636
5		6522
15		1790
25		260
35		55
45		11
55		2
65		0
75		0
85		0
90		0

**AVERAGE INITIAL FOOTCANDLES**

Multiple Units (Square Array, 60'x60' room)  
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	86	80	74
5.0'	55	51	47
6.0'	38	35	33
7.0'	31	29	27
8.0'	25	23	21
9.0'	19	17	16
10.0'	14	13	12

**INITIAL FOOTCANDLES**

(One Unit, 14.8W, 20.2° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	212.1	2.1'
8	119.3	2.9'
10	76.4	3.6'
12	53.0	4.3'

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Fixture
0-30°	1177	96.1
0-40°	1213	99.1
0-60°	1224	100.0
0-90°	1224	100.0

**LUMINANCE (Average cd/m²)**

Degrees	Average Luminance
45	5853
55	1640
65	111
75	0
85	540

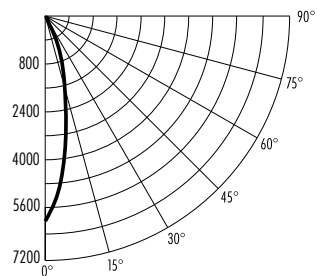
**NARROW FLOOD**

**PHOTOMETRIC REPORT**

Test Report #: PT02140707  
Catalog No: AX2 AR 12LM 30K  
80CRI 24D FPC 120  
2DH CD

Luminaire Spacing Criterion: 0.40

Luminaire LPW: 77



**CANDLEPOWER DISTRIBUTION (Candelas)**

Degrees	Vertical	0°
0	Vertical	5730
5		4949
15		1739
25		348
35		58
45		14
55		3
65		0
75		0
85		0
90		0

**AVERAGE INITIAL FOOTCANDLES**

Multiple Units (Square Array, 60'x60' room)  
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	81	73	68
5.0'	52	47	44
6.0'	36	33	30
7.0'	29	26	25
8.0'	23	21	19
9.0'	18	16	15
10.0'	13	12	11

**INITIAL FOOTCANDLES**

(One Unit, 14.8W, 22.5° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	159.1	2.4'
8	89.5	3.2'
10	57.3	4.0'
12	39.8	4.8'

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Fixture
0-30°	1082	94.9
0-40°	1126	98.8
0-60°	1140	100.0
0-90°	1140	100.0

**LUMINANCE (Average cd/m²)**

Degrees	Average Luminance
45	7383
55	1640
65	0
75	0
85	0

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field. Photometry is at 3000K CCT.

# 2" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200 LUMEN ROUND PARABOLIC DOWNLIGHT REMODEL 2DP Trim

2DP Parabolic Downlight Trim



Self-Flanged



Flangeless



## PHOTOMETRICS

### SPOT

#### PHOTOMETRIC REPORT

Test Report #: PT02140110

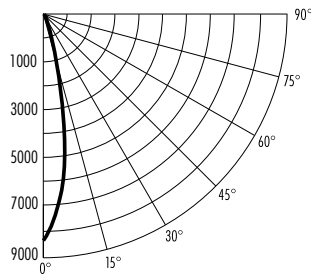
Catalog No: AX2 AR 12LM 30K

80CRI 18D FPC 120

2DP CD

Luminaire Spacing Criterion: 0.34

Luminaire LPW: 85



#### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	8295
5	7082
15	1924
25	266
35	41
45	2
55	0
65	0
75	0
85	0
90	0

#### AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)

Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	91	84	79
5.0'	58	54	50
6.0'	40	37	35
7.0'	33	30	28
8.0'	26	24	22
9.0'	20	18	17
10.0'	15	13	13

#### INITIAL FOOTCANDLES

(One Unit, 15.1W, 19.6° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	230.4	2.1'
8	129.6	2.8'
10	83.0	3.5'
12	57.6	4.1'

#### ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	1255	97.7
0-40°	1282	99.8
0-60°	1285	100.0
0-90°	1285	100.0

#### LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	926
55	67
65	0
75	0
85	0

### NARROW FLOOD

#### PHOTOMETRIC REPORT

Test Report #: PT02140106

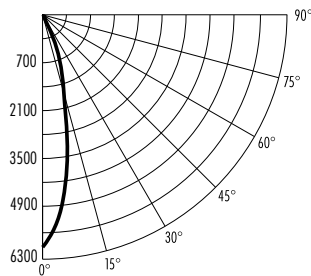
Catalog No: AX2 AR 12LM 30K

80CRI 24D FPC 120

2DP CD

Luminaire Spacing Criterion: 0.38

Luminaire LPW: 79



#### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	6191
5	5258
15	1855
25	360
35	46
45	5
55	1
65	0
75	0
85	0
90	0

#### AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)

Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	84	77	72
5.0'	54	49	46
6.0'	37	34	32
7.0'	30	28	26
8.0'	24	22	20
9.0'	18	17	16
10.0'	13	12	11

#### INITIAL FOOTCANDLES

(One Unit, 15.1W, 22.3° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	172.0	2.4'
8	96.7	3.2'
10	61.9	3.9'
12	43.0	4.7'

#### ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	1149	96.4
0-40°	1185	99.5
0-60°	1191	100.0
0-90°	1192	100.0

#### LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	2232
55	470
65	273
75	149
85	0

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field. Photometry is at 3000K CCT.

2DP Parabolic Downlight Trim



Self-Flanged



Flangeless



# 2" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200 LUMEN ROUND PARABOLIC DOWNLIGHT REMODEL 2DP Trim (continued)

**PHOTOMETRICS**

**FLOOD**

**PHOTOMETRIC REPORT**

Test Report #: PT02140102

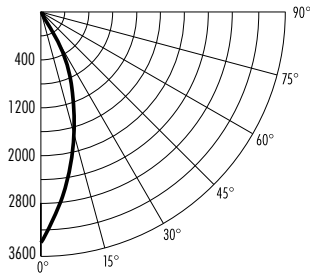
Catalog No: AX2 AR 12LM 30K

80CRI 35D FPC 120

2DP CD

Luminaire Spacing Criterion: 0.52

Luminaire LPW: 75



**CANDLEPOWER DISTRIBUTION (Candelas)**

Degrees Vertical	0°
0	3351
5	2793
15	1766
25	679
35	79
45	7
55	1
65	0
75	0
85	0
90	0

**AVERAGE INITIAL FOOTCANDLES**

Multiple Units (Square Array, 60"x60' room)

Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	79	71	65
5.0'	51	46	42
6.0'	35	32	29
7.0'	28	26	23
8.0'	22	20	18
9.0'	17	16	14
10.0'	13	11	10

**INITIAL FOOTCANDLES**

(One Unit, 15.1W, 31.6° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	93.1	3.4'
8	52.4	4.5'
10	33.5	5.7'
12	23.3	6.8'

**LUMINANCE (Average cd/m<sup>2</sup>)**

Degrees	Average Luminance
45	3158
55	738
65	364
75	298
85	442

**WIDE FLOOD**

**PHOTOMETRIC REPORT**

Test Report #: PT02140114

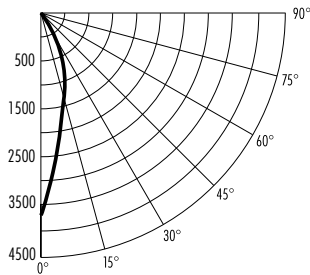
Catalog No: AX2 AR 12LM 30K

80CRI 45D FPC 120

2DP CD

Luminaire Spacing Criterion: 0.34

Luminaire LPW: 73



**CANDLEPOWER DISTRIBUTION (Candelas)**

Degrees Vertical	0°
0	3642
5	2631
15	1429
25	774
35	131
45	11
55	2
65	1
75	0
85	0
90	0

**AVERAGE INITIAL FOOTCANDLES**

Multiple Units (Square Array, 60"x60' room)

Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	77	69	62
5.0'	49	44	40
6.0'	34	31	27
7.0'	28	25	22
8.0'	22	20	18
9.0'	17	15	13
10.0'	12	11	10

**INITIAL FOOTCANDLES**

(One Unit, 15.1W, 20.8° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	101.2	2.2'
8	56.9	2.9'
10	36.4	3.7'
12	25.3	4.4'

**LUMINANCE (Average cd/m<sup>2</sup>)**

Degrees	Average Luminance
45	5009
55	1342
65	820
75	298
85	442

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field. Photometry is at 3000K CCT.

# 2" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200 LUMEN ROUND PARABOLIC DOWNLIGHT REMODEL 2DP Trim with WET option

2DP Parabolic Downlight Trim



Self-Flanged



Flangeless



## PHOTOMETRICS

### SPOT

#### PHOTOMETRIC REPORT

Test Report #: PT02140109

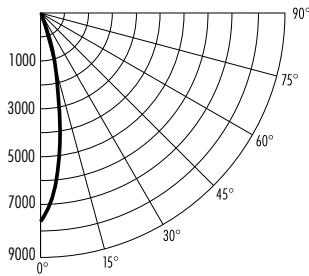
Catalog No: AX2 AR 12LM 30K

80CRI 18D FPC 120

2DP CD WET

Luminaire Spacing Criterion: 0.36

Luminaire LPW: 78



#### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	7086
5	6018
15	1749
25	283
35	45
45	4
55	0
65	0
75	0
85	0
90	0

#### AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)

Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	83	76	71
5.0'	53	49	45
6.0'	37	34	32
7.0'	30	27	26
8.0'	24	22	20
9.0'	18	17	15
10.0'	13	12	11

#### INITIAL FOOTCANDLES

(One Unit, 15.1W, 20.3° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	196.8	2.1'
8	110.7	2.9'
10	70.9	3.6'
12	49.2	4.3'

#### ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	1139	97.1
0-40°	1169	99.7
0-60°	1172	100.0
0-90°	1172	100.0

#### LUMINANCE (Average cd/m<sup>2</sup>)

Degrees	Average Luminance
45	1579
55	67
65	0
75	0
85	0

### NARROW FLOOD

#### PHOTOMETRIC REPORT

Test Report #: PT02140105

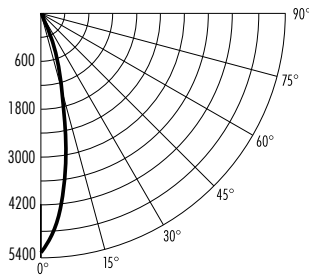
Catalog No: AX2 AR 12LM 30K

80CRI 24D FPC 120

2DP CD WET

Luminaire Spacing Criterion: 0.40

Luminaire LPW: 72



#### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	5307
5	4574
15	1687
25	360
35	53
45	6
55	1
65	0
75	0
85	0
90	0

#### AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)

Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	77	70	65
5.0'	49	45	42
6.0'	34	31	29
7.0'	28	25	24
8.0'	22	20	19
9.0'	17	15	14
10.0'	12	11	10

#### INITIAL FOOTCANDLES

(One Unit, 15.1W, 23° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	147.4	2.4'
8	82.9	3.3'
10	53.1	4.1'
12	36.9	4.9'

#### ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	1042	95.7
0-40°	1082	99.4
0-60°	1089	99.9
0-90°	1089	100.0

#### LUMINANCE (Average cd/m<sup>2</sup>)

Degrees	Average Luminance
45	2613
55	537
65	364
75	149
85	442

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field. Photometry is at 3000K CCT.

2DP Parabolic Downlight Trim



Self-Flanged



Flangeless



# 2" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200 LUMEN

## ROUND PARABOLIC DOWNLIGHT REMODEL 2DP Trim with WET option (continued)

**PHOTOMETRICS**

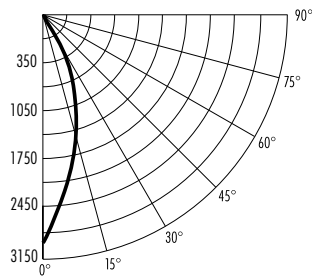
**FLOOD**

**PHOTOMETRIC REPORT**

Test Report #: PT02140101  
Catalog No: AX2 AR 12LM 30K  
80CRI 35D FPC 120  
2DP CD WET

Luminaire Spacing Criterion: 0.54

Luminaire LPW: 69



**CANDLEPOWER DISTRIBUTION (Candelas)**

Degrees Vertical	0°
0	2907
5	2471
15	1571
25	637
35	94
45	9
55	1
65	0
75	0
85	0
90	0

**AVERAGE INITIAL FOOTCANDLES**  
Multiple Units (Square Array, 60"x60' room)

Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	72	65	59
5.0'	46	42	38
6.0'	32	29	26
7.0'	26	24	21
8.0'	21	19	17
9.0'	16	14	13
10.0'	12	10	9

**INITIAL FOOTCANDLES**  
(One Unit, 15.1W, 32.4° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	80.8	3.5'
8	45.4	4.6'
10	29.1	5.8'
12	20.2	7.0'

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Fixture
0-30°	948	91.6
0-40°	1025	98.9
0-60°	1035	99.9
0-90°	1035	100.0

**LUMINANCE (Average cd/m<sup>2</sup>)**

Degrees	Average Luminance
45	3757
55	805
65	455
75	149
85	0

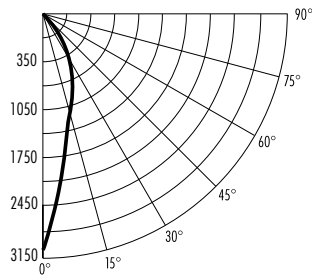
**WIDE FLOOD**

**PHOTOMETRIC REPORT**

Test Report #: PT02140113  
Catalog No: AX2 AR 12LM 30K  
80CRI 45D FPC 120  
2DP CD WET

Luminaire Spacing Criterion: 0.38

Luminaire LPW: 66



**CANDLEPOWER DISTRIBUTION (Candelas)**

Degrees Vertical	0°
0	3097
5	2311
15	1291
25	699
35	130
45	14
55	3
65	1
75	0
85	0
90	0

**AVERAGE INITIAL FOOTCANDLES**  
Multiple Units (Square Array, 60"x60' room)

Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	70	63	56
5.0'	45	40	36
6.0'	31	28	25
7.0'	25	23	20
8.0'	20	18	16
9.0'	15	14	12
10.0'	11	10	9

**INITIAL FOOTCANDLES**  
(One Unit, 15.1W, 22.9° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	86.0	2.4'
8	48.4	3.2'
10	31.0	4.1'
12	21.5	4.9'

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Fixture
0-30°	878	87.8
0-40°	979	97.9
0-60°	998	99.8
0-90°	1000	100.0

**LUMINANCE (Average cd/m<sup>2</sup>)**

Degrees	Average Luminance
45	6098
55	1410
65	820
75	446
85	0

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field. Photometry is at 3000K CCT.

# 2" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200 LUMEN ROUND 1 1/4" DOWNLIGHT PINHOLE REMODEL 2DPIN Trim

2DPIN Downlight Pinhole



Self-Flanged



Flangeless



## PHOTOMETRICS

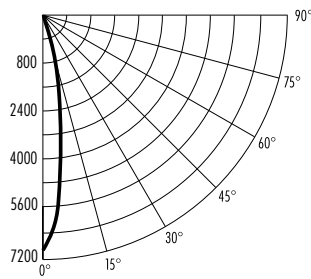
### SPOT

#### PHOTOMETRIC REPORT

Test Report #: PT10142003R  
Catalog No: AX2 AR 12LM 30K  
80CRI 18D FPC 120  
2DPIN BD

Luminaire Spacing Criterion: 0.28

Luminaire LPW: 48



#### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	7031
5	5469
15	823
25	62
35	7
45	0
55	0
65	0
75	0
85	0
90	0

#### AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)  
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	51	47	45
5.0'	33	30	29
6.0'	23	21	20
7.0'	18	17	16
8.0'	15	13	13
9.0'	11	10	10
10.0'	8	8	7

#### ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	710	99.2
0-40°	715	99.8
0-60°	715	100.0
0-90°	716	100.0

#### INITIAL FOOTCANDLES

(One Unit, 14.8W, 16.3° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	195.3	1.7'
8	109.9	2.3'
10	70.3	2.9'
12	48.8	3.4'

#### LUMINANCE (Average cd/m<sup>2</sup>)

Degrees	Average Luminance
45	960
55	592
65	402
75	656
85	0

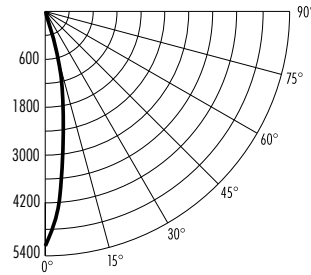
### NARROW FLOOD

#### PHOTOMETRIC REPORT

Test Report #: PT10142005R  
Catalog No: AX2 AR 12LM 30K  
80CRI 24D FPC 120  
2DPIN BD

Luminaire Spacing Criterion: 0.32

Luminaire LPW: 45



#### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	5147
5	4064
15	915
25	83
35	12
45	0
55	0
65	0
75	0
85	0
90	0

#### AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)  
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	47	44	41
5.0'	30	28	26
6.0'	21	19	18
7.0'	17	16	15
8.0'	13	12	12
9.0'	10	10	9
10.0'	8	7	7

#### ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	655	98.5
0-40°	663	99.8
0-60°	665	100.0
0-90°	665	100.0

#### INITIAL FOOTCANDLES

(One Unit, 14.8W, 18.3° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	143.0	1.9'
8	80.4	2.6'
10	51.5	3.2'
12	35.7	3.9'

#### LUMINANCE (Average cd/m<sup>2</sup>)

Degrees	Average Luminance
45	960
55	592
65	402
75	656
85	0

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field. Photometry is at 3000K CCT.

# 2" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200 LUMEN

## ROUND 1 1/4" DOWNLIGHT PINHOLE REMODEL 2DPIN Trim (continued)

2DPIN Downlight Pinhole



Self-Flanged



Flangeless



### PHOTOMETRICS

#### FLOOD

##### PHOTOMETRIC REPORT

Test Report #: PT10142007R

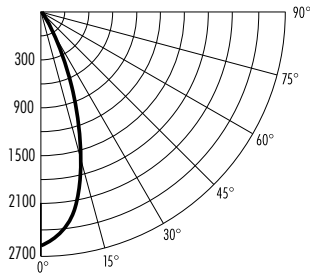
Catalog No: AX2 AR 12LM 30K

80CRI 35D FPC 120

2DPIN BD

Luminaire Spacing Criterion: 0.58

Luminaire LPW: 58



##### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees	Candelas
Vertical 0°	0
0	2603
5	2518
15	1629
25	328
35	25
45	1
55	0
65	0
75	0
85	0
90	0

##### AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60"x60' room)

Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	60	55	50
5.0'	39	35	32
6.0'	27	24	22
7.0'	22	20	18
8.0'	17	16	14
9.0'	13	12	11
10.0'	10	9	8

##### INITIAL FOOTCANDLES

(One Unit, 14.8W, 34.6° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	72.3	3.7'
8	70.7	5.0'
10	26.0	6.2'
12	18.1	7.5'

##### LUMINANCE (Average cd/m<sup>2</sup>)

Degrees	Average Luminance
45	1201
55	888
65	803
75	656
85	0

#### WIDE FLOOD

##### PHOTOMETRIC REPORT

Test Report #: PT10142009R

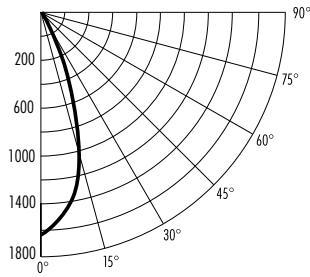
Catalog No: AX2 AR 12LM 30K

80CRI 45D FPC 120

2DPIN BD

Luminaire Spacing Criterion: 0.60

Luminaire LPW: 40



##### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees	Candelas
Vertical 0°	0
0	1634
5	1556
15	1070
25	254
35	50
45	1
55	0
65	0
75	0
85	0
90	0

##### AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60"x60' room)

Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	41	37	34
5.0'	26	24	22
6.0'	18	17	15
7.0'	15	13	12
8.0'	12	11	10
9.0'	9	8	7
10.0'	7	6	5

##### INITIAL FOOTCANDLES

(One Unit, 14.8W, 34.9° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	45.4	3.8'
8	25.5	5.0'
10	16.3	6.3'
12	11.3	7.5'

##### LUMINANCE (Average cd/m<sup>2</sup>)

Degrees	Average Luminance
45	1681
55	1184
65	803
75	656
85	0

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field. Photometry is at 3000K CCT.

# 2" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200 LUMEN

ROUND 1 1/4" DOWNLIGHT PINHOLE REMODEL  
2DPIN Trim with WET option

2DPIN Downlight Pinhole



Self-Flanged



Flangeless



## PHOTOMETRICS

### SPOT

#### PHOTOMETRIC REPORT

Test Report #: PT02140111

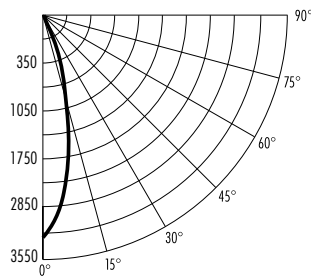
Catalog No: AX2 AR 12LM 30K

80CRI 18D FPC 120

2DPIN BD WET

Luminaire Spacing Criterion: 0.38

Luminaire LPW: 44



#### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	3246
5	2803
15	974
25	195
35	39
45	10
55	3
65	1
75	0
85	0
90	0

#### AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)

Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	46	42	38
5.0'	29	27	25
6.0'	20	19	17
7.0'	16	15	14
8.0'	13	12	11
9.0'	10	9	8
10.0'	7	7	6

#### ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	609	94.0
0-40°	635	98.0
0-60°	646	99.7
0-90°	649	100.0

#### INITIAL FOOTCANDLES

(One Unit, 14.8W, 22.3° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	90.2	2.4'
8	50.7	3.2'
10	32.5	3.9'
12	22.5	4.7'

#### LUMINANCE (Average cd/m<sup>2</sup>)

Degrees	Average Luminance
45	18729
55	7400
65	4017
75	1968
85	0

### NARROW FLOOD

#### PHOTOMETRIC REPORT

Test Report #: PT10142004R

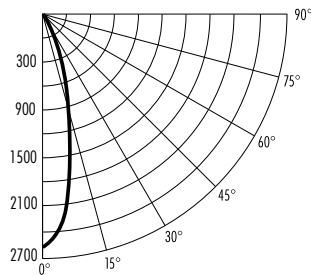
Catalog No: AX2 AR 12LM 30K

80CRI 24D FPC 120

2DPIN BD WET

Luminaire Spacing Criterion: 0.42

Luminaire LPW: 41



#### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	2549
5	2261
15	929
25	216
35	45
45	11
55	3
65	1
75	0
85	0
90	0

#### AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)

Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	43	39	35
5.0'	27	25	23
6.0'	19	17	16
7.0'	15	14	13
8.0'	12	11	10
9.0'	9	8	8
10.0'	7	6	6

#### ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	559	92.6
0-40°	590	97.7
0-60°	602	99.7
0-90°	604	100.0

#### INITIAL FOOTCANDLES

(One Unit, 14.8W, 24.7° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	70.8	2.6'
8	39.8	3.5'
10	25.5	4.4'
12	17.7	5.3'

#### LUMINANCE (Average cd/m<sup>2</sup>)

Degrees	Average Luminance
45	21387
55	7999
65	4021
75	1968
85	0

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field. Photometry is at 3000K CCT.



# 2" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200 LUMEN

## ROUND 1 1/4" DOWNLIGHT PINHOLE REMODEL 2DPIN Trim with WET option (continued)

2DPIN Downlight Pinhole



Self-Flanged



Flangeless



### PHOTOMETRICS

#### FLOOD

##### PHOTOMETRIC REPORT

Test Report #: PT10142006R

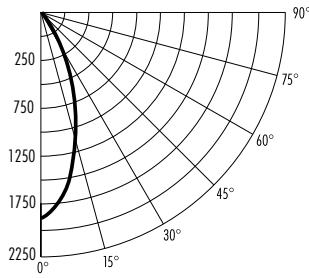
Catalog No: AX2 AR 12LM 30K

80CRI 35D FPC 120

2DPIN BD WET

Luminaire Spacing Criterion: 0.60

Luminaire LPW: 52



##### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees	Candelas
Vertical 0°	0
0	1863
5	1778
15	1160
25	422
35	102
45	22
55	5
65	2
75	0
85	0
90	0

##### AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60"x60' room)

Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	54	48	43
5.0'	35	31	28
6.0'	24	21	19
7.0'	19	17	16
8.0'	15	14	12
9.0'	12	10	9
10.0'	9	8	7

##### ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	676	87.7
0-40°	745	96.6
0-60°	769	99.7
0-90°	771	100.0

##### INITIAL FOOTCANDLES

(One Unit, 14.8W, 35.6° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	51.8	3.9'
8	29.1	5.1'
10	18.6	6.4'
12	12.9	7.7'

##### LUMINANCE (Average cd/m<sup>2</sup>)

Degrees	Average Luminance
45	42054
55	13034
65	5628
75	1312
85	0

#### WIDE FLOOD

##### PHOTOMETRIC REPORT

Test Report #: PT10142008R

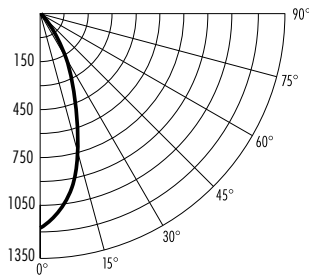
Catalog No: AX2 AR 12LM 30K

80CRI 45D FPC 120

2DPIN BD WET

Luminaire Spacing Criterion: 0.62

Luminaire LPW: 36



##### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees	Candelas
Vertical 0°	0
0	1175
5	1162
15	758
25	300
35	88
45	19
55	4
65	1
75	0
85	0
90	0

##### AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60"x60' room)

Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	37	33	29
5.0'	24	21	19
6.0'	16	15	13
7.0'	13	12	11
8.0'	11	9	8
9.0'	8	7	6
10.0'	6	5	5

##### ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	450	84.9
0-40°	508	95.8
0-60°	529	99.7
0-90°	530	100.0

##### INITIAL FOOTCANDLES

(One Unit, 14.8W, 36.7° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	32.6	4.0'
8	18.4	5.3'
10	11.8	6.6'
12	8.2	8.0'

##### LUMINANCE (Average cd/m<sup>2</sup>)

Degrees	Average Luminance
45	37248
55	9775
65	2619
75	1312
85	0

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field. Photometry is at 3000K CCT.

# 2" LED UNIVERSAL RECESSED ADJUSTABLE/DOWNLIGHT/WALL WASH 800/1200 LUMEN ROUND ARCHITECTURAL WALL WASH REMODEL 2WW Trim

2WW Wall Wash



Self-Flanged



Flangeless



**PHOTOMETRICS**

**PHOTOMETRIC REPORT**

Test Report #: PT02141706  
 Catalog No: AX2 AR 12LM 30K  
 80CRI 24D FPC 120  
 2WW CD  
 Luminaire Spacing Criterion @ 90°: 0.58  
 Luminaire: 2" LED Wall Wash Trim

**CANDLEPOWER DISTRIBUTION (Candelas)**

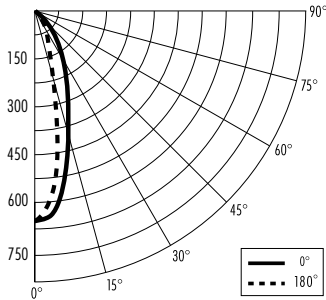
Degrees	0°	180°
Vertical	Wall Wash	Downlight
0	669	669
5	648	577
10	535	421
15	400	252
20	288	148
25	207	81
30	162	50
35	139	30
40	123	15
45	111	9
50	100	4
55	87	1
60	72	0
65	60	0
70	48	0
75	36	0
80	25	0
85	15	0
90	7	0

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Fixture
0-30°	315	56.0
0-40°	414	73.7
0-60°	515	91.6
0-90°	562	100.0
90-180°	0	0.0
0-180°	562	100.0

**LUMINANCE (Average cd/m<sup>2</sup>)**

Degrees	Average 180° Downlight Luminance
45	59595
55	57808
65	53640
75	52697
85	66913



**FOOTCANDLES ON WALL FROM MULTIPLE FIXTURES**

Fixture Distance to Wall	18"						24"					
	18"			24"			18"			24"		
1'	29	29	29	23	21	23	19	19	19	15	15	15
2'	34	34	34	26	26	26	27	27	27	21	21	21
3'	27	27	27	21	21	21	23	23	23	18	19	18
4'	23	23	23	18	18	18	20	20	20	16	16	16
5'	19	19	19	15	15	15	17	17	17	14	14	14
6'	15	16	15	13	13	13	15	15	15	13	13	13
7'	12	13	12	11	11	11	13	13	13	11	11	11
8'	10	11	10	9	9	9	11	11	11	10	10	10
9'	8	8	8	7	7	7	9	9	9	8	8	8

Photometry is at 3000K CCT