

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.

Trims Style Self Flanged and Flangeless styles (drywall ceilings only) are available • Flange is same finish as reflector unless optional painted white flange is specified

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 [ACLXLED2-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.



**2" LED RECESSED
 DOWNLIGHT
 800/1200 LUMEN
 ROUND APERTURE
 REMODEL
 AX2 DR**



AX2 DR

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

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 DR 08LM 30K 80CRI 24D FPC 120

HOUSING OPTIONS	Series / Housing Style		Lumens		CCT		CRI		Beam		Driver		Voltage ¹	Options
		AX2 DR	Remodel Downlight	08LM	800 Lumens	27K	2700K	80CRI	18D	18° beam	FPC	Phase cut dimming, 5% dim	120	NLIGHT² nLight dimming pack controls
			12LM	1200 Lumens	30K	3000K	90CRI	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
		DOWNLIGHT	BD³ Black Diffuse	SELF FLANGED	WET Wet location
	2DP Parabolic Downlight	BS⁴ Black Specular	SF Flange is same finish as reflector		— Ceiling ≤ .75"
	2DH Hyperbolic Downlight	CD⁴ Clear Diffuse	WHSF White, flanged		CTA2/120 Ceiling 0.75" - 1.20"
	2DBV Downlight Bevel	CS⁴ Clear Specular	BLSF³ Black, flanged		CTA2/150 Ceiling 1.20" - 1.5"
	2DPIN Downlight Pinhole, 1 1/4"	W⁴ White Paint	FLANGELESS⁵		FLANGELESS, GYPSUM
		WTD⁴ Wheat Diffuse	FM Flangeless		FMA2R Ceiling 0.5" ≤ 1.5"
			WHFM³ Flangeless, White trim		
			BLFM³ Flangeless, Black trim		

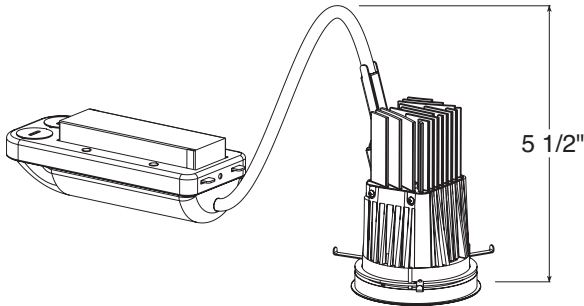
Ordering Notes

¹ MVOLT standard on ZT. 120 standard on FPC ⁴ Available only on 2DP and 2DH
² NLIGHT available on ZT only ⁵ Flangeless trims in drywall ceiling must be specified with flangeless ceiling installation (FMA2R)
³ Available only on 2DPIN and 2DBV

2" LED RECESSED DOWNLIGHT 800/1200 LUMEN ROUND APERTURE REMODEL AX2 DR

DIMENSIONS

REMODEL



AX2 DR

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.	

ACCESSORIES

Cat. #	Description
2AXOPT/18D	18° Spot Optic
2AXOPT/24D	24° Narrow Flood Optic
2AXOPT/35D	35° Flood Optic
2AXOPT/45D	45° Wide Flood Optic
AF2/10	10° Film (Use with Spot Optic)
AF2/20	20° Film (Use with Spot Optic)
AF2/40	40° Film (Use with Spot Optic)
AF2/50	50° Film (Use with Spot Optic)
AF2/90x1	90°x1° Film (Use with Spot Optic)
EMI20	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	AF2/10
24°	24D	-
30°	18D	AF2/20
35°	35D	-
45°	45D	-
50°	18D	AF2/40
55°	18D	AF2/50
60°x20°	18D	AF2/90x1

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

ELECTRICAL DATA

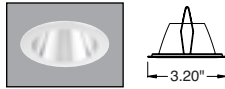
Lumen Package Driver Option	08LM			12LM		
	FPC	ZT		FPC	ZT	
Voltage	120	120	277	120	120	277
Input Power	10.1	9.6	9.6	14.8	14.8	14.6
Input Current	0.09	0.08	0.04	0.12	0.12	0.06
Frequency	50/60Hz	50/60Hz		50/60Hz	50/60Hz	
Power Factor	0.99	0.99	0.93	0.99	0.99	0.95

**2" LED RECESSED
DOWNLIGHT**
800/1200 LUMEN
ROUND APERTURE REMODEL
AX2 DR

TRIM SELECTION

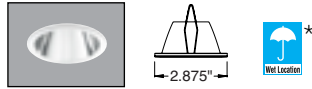
DOWNLIGHT TRIMS

2DP Parabolic Downlight



Self-Flanged

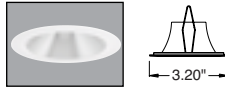
Aperture: 2 1/4"



Flangeless

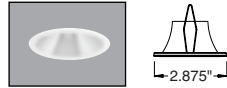
	CCT/CRI:	80CRI 27K, 30K, 35K, 40K
	Optic:	18D, 24D, 35D, 45D
	Trim Finish:	CS, CD, WTD, W

2DH Hyperbolic Downlight



Self-Flanged

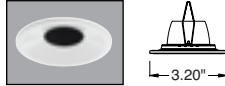
Aperture: 2 1/4"



Flangeless

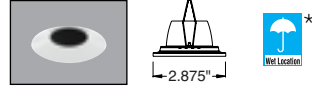
	CCT/CRI:	80CRI 27K, 30K, 35K, 40K
	Optic:	18D, 24D, 35D, 45D
	Trim Finish:	CS, CD, WTD, W

2DBV Downlight Bevel



Self-Flanged

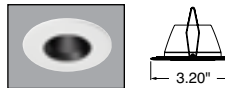
Aperture: 1 3/8"



Flangeless

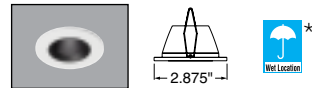
	CCT/CRI:	80CRI 27K, 30K, 35K, 40K
	Optic:	18D, 24D, 35D
	Trim Finish:	BD

2DPIN Downlight Pinhole



Self-Flanged

Aperture: 1 1/4"



Flangeless

* With WET option

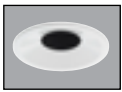
2" LED RECESSED DOWNLIGHT

800/1200 LUMEN

ROUND DOWNLIGHT BEVEL REMODEL

2DBV Trim

2DBV Downlight Bevel



Self-Flanged



Flangeless



PHOTOMETRICS

SPOT

PHOTOMETRIC REPORT

Test Report #: PT02140112

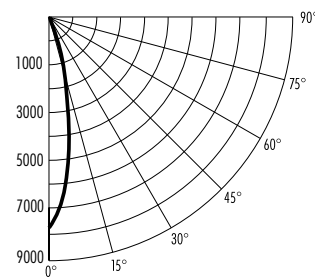
Catalog No: AX2 DR 12LM 30K

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/m²)

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

NARROW FLOOD

PHOTOMETRIC REPORT

Test Report #: PT02140108

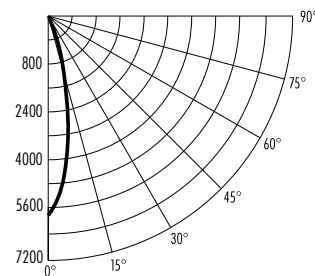
Catalog No: AX2 DR 12LM 30K

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/m²)

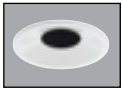
Degrees	Average Luminance
45	845
55	332
65	321
75	315
85	312

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 RECESSED DOWNLIGHT 800/1200 LUMEN

ROUND DOWNLIGHT BEVEL REMODEL 2DBV Trim (continued)

2DBV Downlight Bevel



Self-Flanged



Flangeless



PHOTOMETRICS

FLOOD

PHOTOMETRIC REPORT

Test Report #: PT02140104

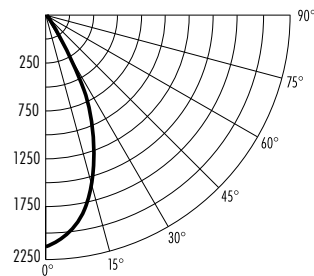
Catalog No: AX2 DR 12LM 30K

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

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'

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

LUMINANCE (Average cd/m²)

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

WIDE FLOOD

PHOTOMETRIC REPORT

Test Report #: PT02140116

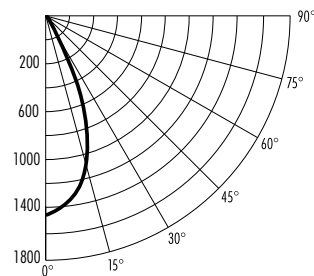
Catalog No: AX2 DR 12LM 30K

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

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'

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

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.

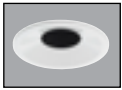
2" LED RECESSED DOWNLIGHT

800/1200 LUMEN

ROUND DOWNLIGHT BEVEL REMODEL

2DBV Trim with WET option

2DBV Downlight Bevel



Self-Flanged



Flangeless

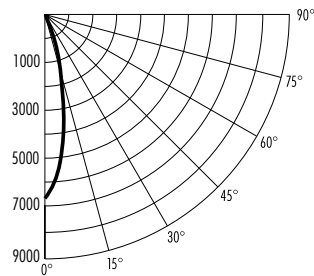


PHOTOMETRICS

SPOT PHOTOMETRIC REPORT

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

Luminaire Spacing Criterion: 0.32
 Luminaire LPW: 60



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees	Candelas
Vertical 0°	0
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

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

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'

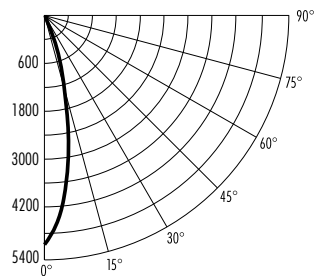
LUMINANCE (Average cd/m²)

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

NARROW FLOOD PHOTOMETRIC REPORT

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

Luminaire Spacing Criterion: 0.36
 Luminaire LPW: 56



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees	Candelas
Vertical 0°	0
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

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

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'

LUMINANCE (Average cd/m²)

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

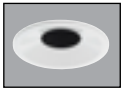
Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field. Photometry is at 3000K CCT.

2" LED RECESSED DOWNLIGHT 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

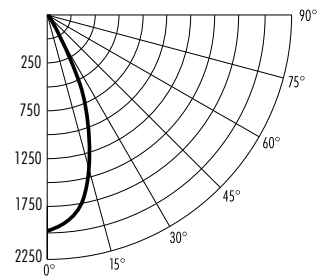
Catalog No: AX2 DR 12LM 30K

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

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'

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

LUMINANCE (Average cd/m²)

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

WIDE FLOOD

PHOTOMETRIC REPORT

Test Report #: PT02140115

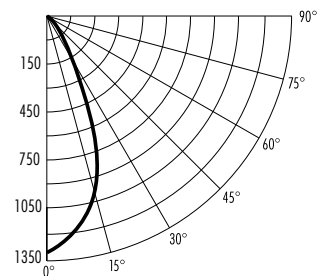
Catalog No: AX2 DR 12LM 30K

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

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'

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

LUMINANCE (Average cd/m²)

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.

2DH Hyperbolic Downlight



Self-Flanged



Flangeless



2" LED RECESSED DOWNLIGHT

800/1200 LUMEN

ROUND HYPERBOLIC DOWNLIGHT REMODEL 2DH Trim

PHOTOMETRICS

SPOT

PHOTOMETRIC REPORT

Test Report #: PT02140706

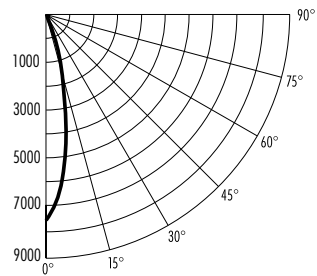
Catalog No: AX2 DR 12LM 30K

80CRI 18D FPC 120

2DH CD

Luminaire Spacing Criterion: 0.36

Luminaire LPW: 83



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees	Candelas
Vertical	0°
0	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

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

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'

LUMINANCE (Average cd/m²)

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

NARROW FLOOD

PHOTOMETRIC REPORT

Test Report #: PT02140707

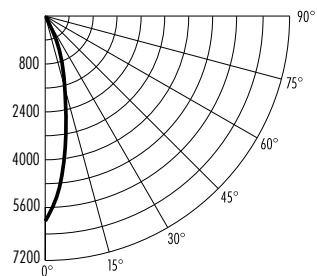
Catalog No: AX2 DR 12LM 30K

80CRI 24D FPC 120

2DH CD

Luminaire Spacing Criterion: 0.40

Luminaire LPW: 77



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees	Candelas
Vertical	0°
0	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

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

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'

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.

2DH Hyperbolic Downlight



Self-Flanged



Flangeless



2" LED RECESSED DOWNLIGHT

800/1200 LUMEN

ROUND HYPERBOLIC DOWNLIGHT REMODEL 2DH Trim (continued)

PHOTOMETRICS

FLOOD

PHOTOMETRIC REPORT

Test Report #: PT02140708

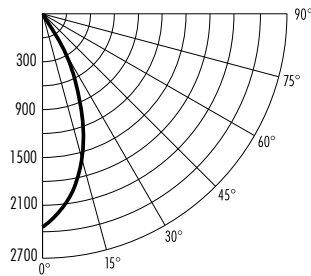
Catalog No: AX2 DR 12LM 30K

80CRI 35D FPC 120

2DH CD

Luminaire Spacing Criterion: 0.66

Luminaire LPW: 73



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	2368
5	2291
15	1670
25	678
35	98
45	18
55	4
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'	75	67	61
5.0'	48	43	39
6.0'	34	30	27
7.0'	27	24	22
8.0'	21	19	17
9.0'	16	15	13
10.0'	12	11	10

INITIAL FOOTCANDLES

(One Unit, 14.8W, 39.5° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	65.8	4.3'
8	37.0	5.7'
10	23.7	7.2'
12	16.4	8.6'

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	9511
55	2378
65	0
75	0
85	0

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	979	90.9
0-40°	1058	98.2
0-60°	1077	100.0
0-90°	1078	100.0

WIDE FLOOD

PHOTOMETRIC REPORT

Test Report #: PT02140705

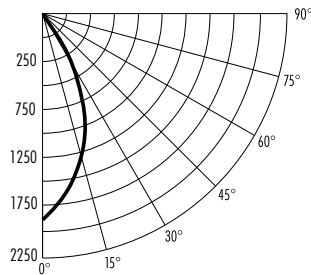
Catalog No: AX2 DR 12LM 30K

80CRI 45D FPC 120

2DH CD

Luminaire Spacing Criterion: 0.70

Luminaire LPW: 70



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	1877
5	1762
15	1332
25	782
35	163
45	31
55	6
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	64	57
5.0'	46	41	36
6.0'	32	28	25
7.0'	26	23	20
8.0'	21	18	16
9.0'	16	14	12
10.0'	12	10	9

INITIAL FOOTCANDLES

(One Unit, 14.8W, 44.7° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
6	52.1	4.9'
8	29.3	6.6'
10	18.8	8.2'
12	13.0	9.9'

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	16695
55	3772
65	111
75	0
85	0

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	880	85.0
0-40°	997	96.4
0-60°	1034	100.0
0-90°	1035	100.0

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



Self-Flanged



Flangeless



2" LED RECESSED DOWNLIGHT

800/1200 LUMEN

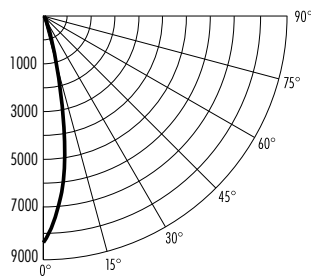
ROUND PARABOLIC DOWNLIGHT REMODEL 2DP Trim

PHOTOMETRICS

SPOT PHOTOMETRIC REPORT

Test Report #: PT02140110
 Catalog No: AX2 DR 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

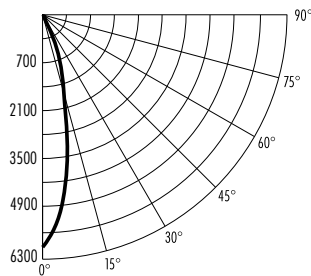
LUMINANCE (Average cd/m²)

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

NARROW FLOOD PHOTOMETRIC REPORT

Test Report #: PT02140106
 Catalog No: AX2 DR 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



Self-Flanged



Flangeless



2" LED RECESSED DOWNLIGHT 800/1200 LUMEN

ROUND PARABOLIC DOWNLIGHT REMODEL 2DP Trim (continued)

PHOTOMETRICS

FLOOD

PHOTOMETRIC REPORT

Test Report #: PT02140102

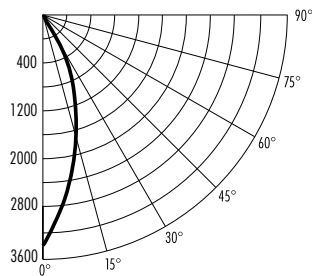
Catalog No: AX2 DR 12LM 30K

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'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	1049	93.0
0-40°	1119	99.2
0-60°	1127	99.9
0-90°	1128	100.0

LUMINANCE (Average cd/m²)

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

WIDE FLOOD

PHOTOMETRIC REPORT

Test Report #: PT02140114

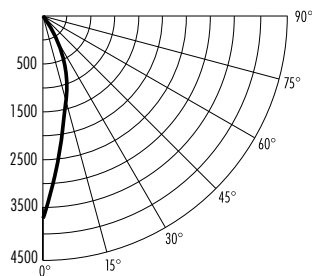
Catalog No: AX2 DR 12LM 30K

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'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	976	88.9
0-40°	1079	98.2
0-60°	1097	99.9
0-90°	1099	100.0

LUMINANCE (Average cd/m²)

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.

2DP Parabolic Downlight



Self-Flanged



Flangeless



2" LED RECESSED DOWNLIGHT

800/1200 LUMEN

ROUND PARABOLIC DOWNLIGHT REMODEL

2DP Trim with WET option

PHOTOMETRICS

SPOT

PHOTOMETRIC REPORT

Test Report #: PT02140109

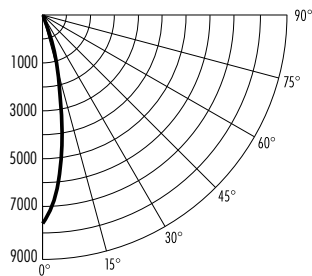
Catalog No: AX2 DR 12LM 30K

80CRI 18D FPC 120

2DP CD WET

Luminaire Spacing Criterion: 0.36

Luminaire LPW: 78



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees	Candelas
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

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

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'

LUMINANCE (Average cd/m²)

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

NARROW FLOOD

PHOTOMETRIC REPORT

Test Report #: PT02140105

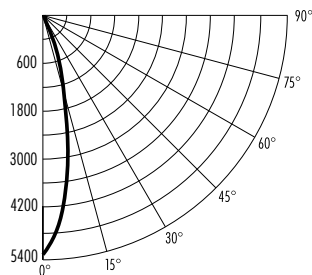
Catalog No: AX2 DR 12LM 30K

80CRI 24D FPC 120

2DP CD WET

Luminaire Spacing Criterion: 0.40

Luminaire LPW: 72



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees	Candelas
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

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

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'

LUMINANCE (Average cd/m²)

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



Self-Flanged



Flangeless



2" LED RECESSED DOWNLIGHT

800/1200 LUMEN

ROUND PARABOLIC DOWNLIGHT REMODEL

2DP Trim with WET option (continued)

PHOTOMETRICS

FLOOD

PHOTOMETRIC REPORT

Test Report #: PT02140101

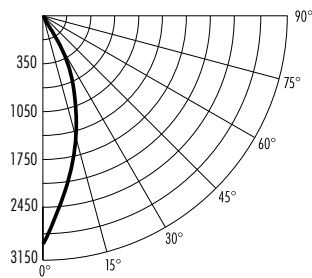
Catalog No: AX2 DR 12LM 30K

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/m²)

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

WIDE FLOOD

PHOTOMETRIC REPORT

Test Report #: PT02140113

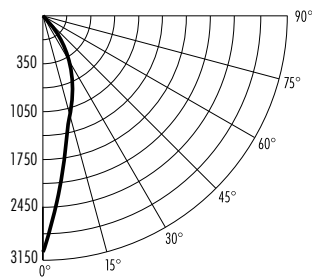
Catalog No: AX2 DR 12LM 30K

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/m²)

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.

2DPIN Downlight Pinhole, 1 1/4"



Self-Flanged



Flangeless



2" LED RECESSED DOWNLIGHT 800/1200 LUMEN

ROUND 1 1/4" DOWNLIGHT PINHOLE REMODEL
2DPIN Trim

PHOTOMETRICS

SPOT

PHOTOMETRIC REPORT

Test Report #: PT10142003R

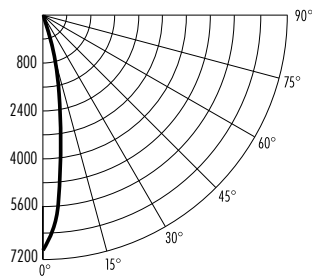
Catalog No: AX2 DR 12LM 30K

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

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'

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

LUMINANCE (Average cd/m²)

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

NARROW FLOOD

PHOTOMETRIC REPORT

Test Report #: PT10142005R

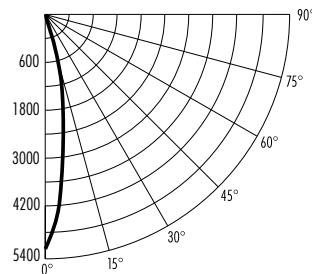
Catalog No: AX2 DR 12LM 30K

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

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'

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

LUMINANCE (Average cd/m²)

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.

2DPIN Downlight Pinhole, 1 1/4"



Self-Flanged



Flangeless



2" LED RECESSED DOWNLIGHT 800/1200 LUMEN

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

PHOTOMETRICS

FLOOD

PHOTOMETRIC REPORT

Test Report #: PT10142007R

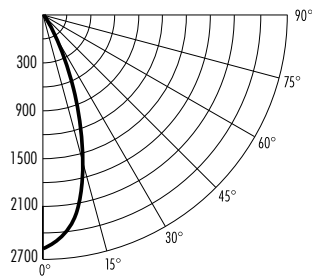
Catalog No: AX2 DR 12LM 30K

80CRI 35D FPC 120

2DPIN BD

Luminaire Spacing Criterion: 0.58

Luminaire LPW: 58



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	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'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	832	97.2
0-40°	855	99.8
0-60°	856	100.0
0-90°	856	100.0

LUMINANCE (Average cd/m²)

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

WIDE FLOOD

PHOTOMETRIC REPORT

Test Report #: PT10142009R

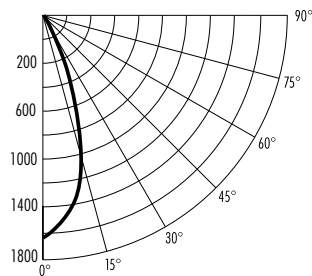
Catalog No: AX2 DR 12LM 30K

80CRI 45D FPC 120

2DPIN BD

Luminaire Spacing Criterion: 0.60

Luminaire LPW: 40



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	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'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	550	93.9
0-40°	584	99.7
0-60°	585	99.9
0-90°	586	100.0

LUMINANCE (Average cd/m²)

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 RECESSED DOWNLIGHT 800/1200 LUMEN

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

2DPIN Downlight Pinhole, 1 1/4"



Self-Flanged



Flangeless



PHOTOMETRICS

SPOT

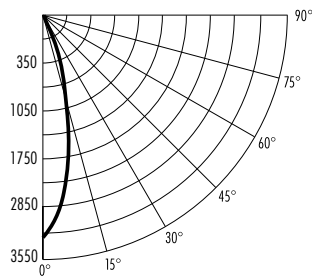
PHOTOMETRIC REPORT

Test Report #: PT02140111

Catalog No: AX2 DR 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

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'

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

LUMINANCE (Average cd/m²)

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

NARROW FLOOD

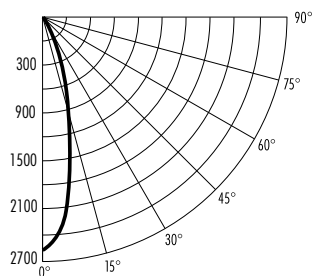
PHOTOMETRIC REPORT

Test Report #: PT10142004R

Catalog No: AX2 DR 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

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'

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

LUMINANCE (Average cd/m²)

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 RECESSED DOWNLIGHT 800/1200 LUMEN

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

2DPIN Downlight Pinhole, 1 1/4"



Self-Flanged



Flangeless



PHOTOMETRICS

FLOOD

PHOTOMETRIC REPORT

Test Report #: PT10142006R

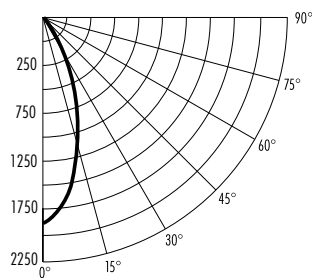
Catalog No: AX2 DR 12LM 30K

80CRI 35D FPC 120

2DPIN BD WET

Luminaire Spacing Criterion: 0.60

Luminaire LPW: 52



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	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

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'

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

LUMINANCE (Average cd/m²)

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

WIDE FLOOD

PHOTOMETRIC REPORT

Test Report #: PT10142008R

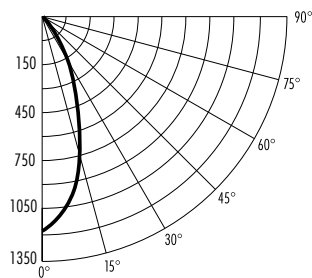
Catalog No: AX2 DR 12LM 30K

80CRI 45D FPC 120

2DPIN BD WET

Luminaire Spacing Criterion: 0.62

Luminaire LPW: 36



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	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

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'

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

LUMINANCE (Average cd/m²)

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.