

PRODUCT SPECIFICATIONS

LED Light Engine 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 also available with 90 CRI minimum.

Modular Optics 45° cutoff to source and source image • Available with field interchangeable optics in 15°, 24°, 35° and 45° distributions • Additional distributions of 20°, 30°, 40°, 50°, 55°, 60°, 60° x 20° FWHM can be achieved with the use of the diffusing films and spot primary optic.

Adjustability Patented Acu-Aim™ precision geared hot-aiming achieves 365° rotation, 40° tilt with any ceiling thickness from ½" 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.

Reflector Die cast trim in white or black with black shield that eliminates visibility into housing.

Trims Style Self Flanged and Flangeless styles are available • Flangeless installation is compatible with drywall or solid ceilings such as wood/stone/tile.

LED Driver Choice of two drivers to accommodate voltages from 120-277 volts AC at 50/60Hz • Dims as low as 1% with most incandescent and electronic low voltage dimmers or most 0-10V dimmers • For a list of compatible dimmers, refer to [ACULUX2-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 wet locations depending on trim • ICAT rated new construction fixture meets energy code Air Leakage requirements per ASTM E283 • ENERGY STAR® Certified with all color temperatures with 80 CRI and spot, narrow flood, and flood optics • Union made.

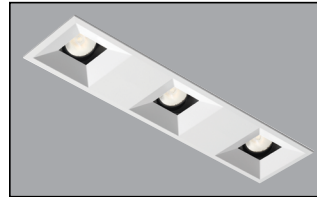
New Construction Mounting Features patented (US Patent 8,038,113) Pro-VI™ bar hanger system, permitting quick placement of housing with 24" on-center joists or suspended ceilings • Also features vertically adjustable mounting brackets (butterfly brackets).

Wiring Housings includes multiple ½" knockouts and is compatible with rigid conduit and flexible supply • All housings supplied with quick connect electrical connectors.

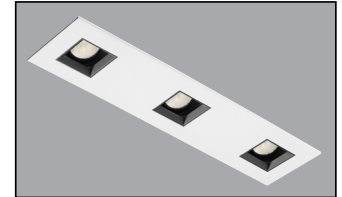
Ceiling Thickness ½" – 1½" ceiling • Vertical aiming in ceiling 1" to 1½" is reduced from 40° to 25°.



2" LED RECESSED MULTIPLE 800/1200/1500 LUMEN SQUARE APERTURE NEW CONSTRUCTION 1/2/3 HEAD AX2SQ



BEVEL



PINHOLE

Buy American This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

Warranty - 5YR 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

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: AX2SQ A G2 08LM 30K 80CRI 24D FPC 120 ICAT 2SQABV BD WHFM FMA2SQ/075

Series / Housing Style	Lumens	CCT	CRI	Beam	Driver	Voltage ²	Options
AX2SQ A G2 New Construction Universal ADJ/DL/WW	08LM 800 Lumens 12LM 1200 Lumens	27K 2700K 30K 3000K	80CRI 90CRI ¹	15D 15° beam 24D 24° beam 35D 35° beam 45D 45° beam	FPC Phase cut dimming, 1% dim ZT 0-10V Dimming, 1% dim	120 MVOLT (120-277)	Chicago Plenum IC ^{3,5} ICAT ³ NLIGHT ⁴
AX2SQ 2A G2 New Construction 2-Head	15LM 1500 Lumens	35K 3500K 40K 4000K					nLight dimming pack controls (Must be remotely mounted)
AX2SQ 3A G2 New Construction 3-Head							

Trim Style	Reflector Finish	Flange Style / Finish	Environment	Ceiling Installation
ADJUSTABLE ACCENT - 1-HEAD	BD Black Diffuse	SELF FLANGED	WET Wet location	SELF FLANGED & FLANGELESS, WOOD/STONE/TILE
2SQABV Bevel		WHF White painted trim		Ceiling ≤ .75"
2SQAPIN Pinhole, 1 ¼"		BLSF Black painted trim		CTA2SQ/120 Ceiling 0.75" - 1.20"
ADJUSTABLE ACCENT - 2-HEAD		FLANGELESS		CTA2SQ/150 Ceiling 1.20" - 1.5"
2SQ2ABV Bevel		WHFM Flangeless, White trim		FLANGELESS, GYPSUM
2SQ2APIN Pinhole, 1 ¼"		BLFM Flangeless, Black trim		FMA2SQ/075 Ceiling ≤ .75"
ADJUSTABLE ACCENT - 3-HEAD				FMA2SQ/120 Ceiling 0.75" - 1.20"
2SQ3ABV Bevel				FMA2SQ/150 Ceiling 1.20" - 1.50"
2SQ3APIN Pinhole, 1 ¼"				2-Head
				FMA2SQ2/075 Ceiling ≤ .75"
				FMA2SQ2/120 Ceiling 0.75" - 1.20"
				FMA2SQ2/150 Ceiling 1.20" - 1.50"
				3-Head
				FMA2SQ3/075 Ceiling ≤ .75"
				FMA2SQ3/120 Ceiling 0.75" - 1.20"
				FMA2SQ3/150 Ceiling 1.20" - 1.50"

Ordering Notes

¹ 90CRI available on 27K and 30K only.

² MVOLT standard on ZT. 120 standard on FPC.

³ CP and ICAT available up to 15LM for 1 head and 08LM for 2 head and 3 head.

⁴ NLIGHT compatible with ZT only.

⁵ CP is also ICAT rated.

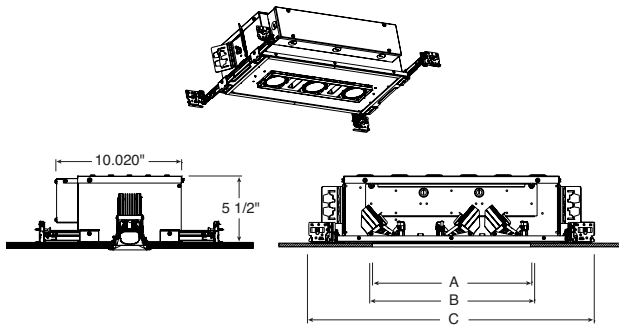
2" LED RECESSED MULTIPLE

800/1200/1500 LUMEN

SQUARE APERTURE
NEW CONSTRUCTION 1/2/3 HEAD

AX2SQ

DIMENSIONS



SELF FLANGED INSTALLATION

# of Heads	Cutout Size (A)	Trim Dimension (B)	Dimension (C)
1	2-7/8" x 2-7/8"	3.410" x 3.410"	16-1/8"
2	2-7/8" x 7-7/8"	3.410" x 8.410"	18"
3	2-7/8" x 12-7/8"	3.410" x 13.410"	23"

FLANGELESS INSTALLATION

# of Heads	Cutout Size (A)	Trim Dimension (B)	Dimension (C)
1	3" x 3"	2.875" x 2.875"	16-1/8"
2	3" x 8"	2.875" x 7.875"	18"
3	3" x 13"	2.875" x 12.875"	23"

ELECTRICAL DATA

Lumen Package	08LM			08LM			08LM		
Number of Heads	1			2			3		
Driver Option	FPC	ZT		FPC	ZT		FPC	ZT	
Voltage	120	120	277	120	120	277	120	120	277
Input Power	10.0	9.9	10.1	20.0	19.8	20.2	30.0	29.7	30.3
Input Current	0.08	0.08	0.04	0.16	0.16	0.08	0.24	0.24	0.12
Frequency	50/60Hz			50/60Hz			50/60Hz		
Power Factor	0.99	0.99	0.9	0.99	0.99	0.9	0.99	0.99	0.9

Lumen Package	12LM			12LM			12LM		
Number of Heads	1			2			3		
Driver Option	FPC	ZT		FPC	ZT		FPC	ZT	
Voltage	120	120	277	120	120	277	120	120	277
Input Power	14.7	14.3	14.3	29.4	28.6	28.6	44.1	42.9	42.9
Input Current	0.12	0.12	0.06	0.24	0.24	0.12	0.36	0.36	0.18
Frequency	50/60Hz			50/60Hz			50/60Hz		
Power Factor	0.99	0.99	0.92	0.99	0.99	0.9	0.99	0.99	0.9

Lumen Package	15LM			15LM			15LM		
Number of Heads	1			2			3		
Driver Option	FPC	ZT		FPC	ZT		FPC	ZT	
Voltage	120	120	277	120	120	277	120	120	277
Input Power	17.3	16.5	16.4	34.6	33.0	32.8	51.9	49.5	49.2
Input Current	0.14	0.14	0.06	0.28	0.28	0.12	0.42	0.42	0.18
Frequency	50/60Hz			50/60Hz			50/60Hz		
Power Factor	0.99	0.99	0.92	0.99	0.99	0.9	0.99	0.99	0.9

2" LED RECESSED MULTIPLE

800/1200/1500 LUMEN

SQUARE APERTURE
NEW CONSTRUCTION 1/2/3 HEAD
AX2SQ

ACCESSORIES

Cat. #	Description
2AXG2OPT/15D	15° Spot Optic
2AXG2OPT/24D	24° Narrow Flood Optic
2AXG2OPT/35D	35° Flood Optic
2AXG2OPT/45D	45° Wide Flood Optic
AF2/10	10° Film (Use with 15D Optic)
AF2/20	20° Film (Use with 15D Optic)
AF2/30	30° Film (Use with 15D Optic)
AF2/40	40° Film (Use with 15D Optic)
AF2/50	50° Film (Use with 15D Optic)
AF2/60	60° Film (Use with 15D Optic)
AF2/90x1	90°x1° Film (Use with 15D Optic)
HB1	(2) Real Nail 3 Bar Hangers
HB26	(2) 26" C-Channel Bar Hangers
HB50	(2) 50" C-Channel Bar Hangers
LB27	(2) 27" Linear Bar Hangers

To order, specify catalog number.

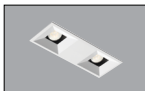
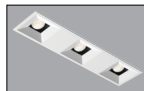
DIFFUSING FILMS

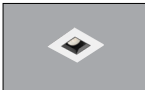
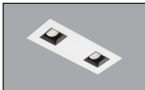
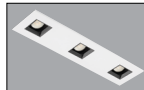
To achieve the desired beam angle (FWHM), specify the following primary LED optic on the luminaire and order the diffusing film accessory from the table below

Desired FWHM	Primary Optic	Film
15°	15D	-
20°	15D	AF2/10
24°	24D	-
30°	15D	AF2/20
35°	35D	-
40°	15D	AF2/30
45°	45D	-
50°	15D	AF2/40
55°	15D	AF2/50
60°	15D	AF2/60
60°x20°	15D	AF2/90x1

TRIM SELECTION

ADJUSTABLE ACCENT

2SQABV  1-Head	2SQ2ABV  2-Head	2SQ3ABV  3-Head	 *	 <table><tr><td>Construction:</td><td>ICAT & Non-ICAT</td></tr><tr><td>CCT/CRI:</td><td>80CRI 27K, 30K, 35K, 40K</td></tr><tr><td>Optic:</td><td>15D, 24D, 35D, 45D</td></tr></table>	Construction:	ICAT & Non-ICAT	CCT/CRI:	80CRI 27K, 30K, 35K, 40K	Optic:	15D, 24D, 35D, 45D
Construction:	ICAT & Non-ICAT									
CCT/CRI:	80CRI 27K, 30K, 35K, 40K									
Optic:	15D, 24D, 35D, 45D									

2SQAPIN  1-Head	2SQ2APIN  2-Head	2SQ3APIN  3-Head	 *	 <table><tr><td>Construction:</td><td>ICAT & Non-ICAT</td></tr><tr><td>CCT/CRI:</td><td>80CRI 27K, 30K, 35K, 40K</td></tr><tr><td>Optic:</td><td>15D, 24D, 35D, 45D</td></tr></table>	Construction:	ICAT & Non-ICAT	CCT/CRI:	80CRI 27K, 30K, 35K, 40K	Optic:	15D, 24D, 35D, 45D
Construction:	ICAT & Non-ICAT									
CCT/CRI:	80CRI 27K, 30K, 35K, 40K									
Optic:	15D, 24D, 35D, 45D									

2" LED RECESSED MULTIPLE

800/1200/1500 LUMEN

SQUARE APERTURE

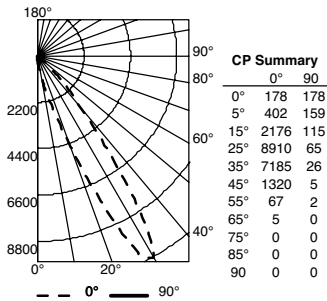
NEW CONSTRUCTION 1/2/3 HEAD

2SQABV / 2SQ2ABV / 2SQ3ABV Trim

PHOTOMETRICS

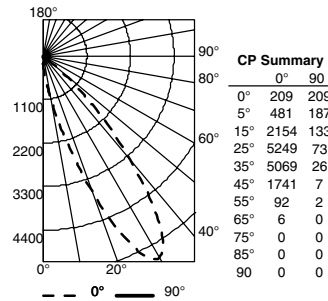
AX2SQ A G2 15LM 30K 80CRI 15D FPC 120 2SQABV BD
3000K LEDs, input watts: 17.3,
delivered lumens: 1352, LM/W = 78,
test no. PT07172831R,
tested in accordance to IESNA LM-79

Beam Spread: 15D



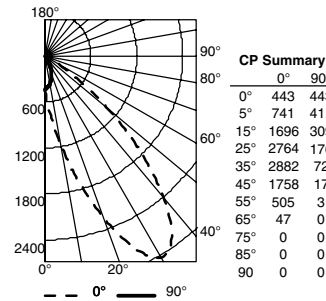
AX2SQ A G2 15LM 30K 80CRI 24D FPC 120 2SQABV BD
3000K LEDs, input watts: 17.3,
delivered lumens: 1258, LM/W = 73,
test no. PT07172838R,
tested in accordance to IESNA LM-79

Beam Spread: 24D



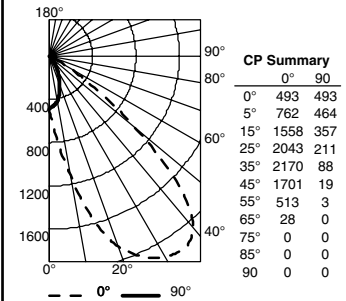
AX2SQ A G2 15LM 30K 80CRI 35D FPC 120 2SQABV BD
3000K LEDs, input watts: 17.3,
delivered lumens: 1226, LM/W = 71,
test no. PT07172902R,
tested in accordance to IESNA LM-79

Beam Spread: 35D



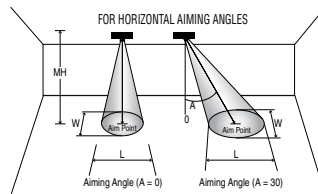
AX2SQ A G2 15LM 30K 80CRI 45D FPC 120 2SQABV BD
3000K LEDs, input watts: 17.3,
delivered lumens: 1191, LM/W = 69,
test no. PT07172909R,
tested in accordance to IESNA LM-79

Beam Spread: 45D

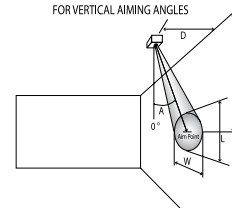


CBCP • Centerbeam candlepower
FC • Footcandles at beam center (aim point)

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°).



Horizontal Aiming Angles



Vertical Aiming Angles

Beam Spread	CBCP	0°				30°			30°					45°			
		MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W
	11040	4	690	1.1	1.1	448	1.5	1.3	2	345	3.5	2.4	1.1	733	2.4	1.4	0.9
		6	307	1.7	1.7	199	2.2	1.9	3	153	5.2	3.6	1.7	326	3.6	2.1	1.3
		8	173	2.2	2.2	112	3.0	2.6	4	86	6.9	4.7	2.2	183	4.8	2.8	1.7
		10	110	2.8	2.8	72	3.7	3.2	5	55	8.7	5.9	2.8	117	6.0	3.5	2.2
		12	77	3.4	3.4	50	4.5	3.9	6	38	10.4	7.1	3.4	81	7.2	4.2	2.6
	5875	4	367	1.7	1.7	238	2.3	2.0	2	184	3.5	3.9	1.7	390	2.4	2.2	1.3
		6	163	2.5	2.5	106	3.4	2.9	3	82	5.2	5.9	2.5	173	3.6	3.3	2.0
		8	92	3.4	3.4	60	4.6	3.9	4	46	6.9	7.8	3.4	98	4.8	4.4	2.6
		10	59	4.2	4.2	38	5.7	4.9	5	29	8.7	9.8	4.2	62	6.0	5.5	3.3
		12	41	5.1	5.1	26	6.9	5.9	6	20	10.4	11.7	5.1	43	7.2	6.6	4.0
	3037	4	190	2.6	2.6	123	3.6	3.0	2	95	3.5	7.5	2.6	202	2.4	3.7	2.0
		6	84	3.9	3.9	55	5.3	4.5	3	42	5.2	11.2	3.9	90	3.6	5.5	3.0
		8	47	5.2	5.2	31	7.1	5.9	4	24	6.9	15.0	5.2	50	4.8	7.3	4.0
		10	30	6.4	6.4	20	8.9	7.4	5	15	8.7	18.7	6.4	32	6.0	9.1	5.0
		12	21	7.7	7.7	14	10.7	8.9	6	11	10.4	22.4	7.7	22	7.2	11.0	6.0
	2139	4	134	3.3	3.3	87	4.6	3.8	2	67	3.5	13.0	3.3	142	2.4	5.2	2.5
		6	59	4.9	4.9	39	6.9	5.7	3	30	5.2	19.6	4.9	63	3.6	7.8	3.8
		8	33	6.5	6.5	22	9.2	7.5	4	17	6.9	26.1	6.5	36	4.8	10.3	5.1
		10	21	8.2	8.2	14	11.5	9.4	5	11	8.7	32.6	8.2	23	6.0	12.9	6.3
		12	15	9.8	9.8	10	13.8	11.3	6	7	10.4	39.1	9.8	16	7.2	15.5	7.6

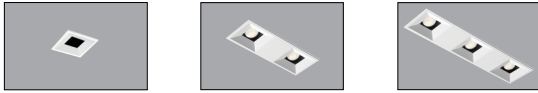
LUMEN OUTPUT MULTIPLIERS

Color Temperature	CRI	Multiplier
2700K	80	0.95
3000K	80	1.00
3500K	80	1.05
4000K	80	1.10

Color Temperature	CRI	Multiplier
2700K	90	0.83
3000K	90	0.87

Lumen Package	Multiplier
800	0.58
1200	0.86
1500	1.00

2" LED RECESSED MULTIPLE 800/1200/1500 LUMEN SQUARE APERTURE NEW CONSTRUCTION 1/2/3 HEAD

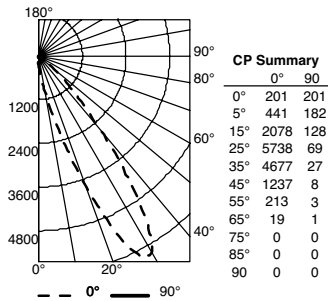


PHOTOMETRICS

2SQABV / 2SQ2ABV / 2SQ3ABV Trim with WET option

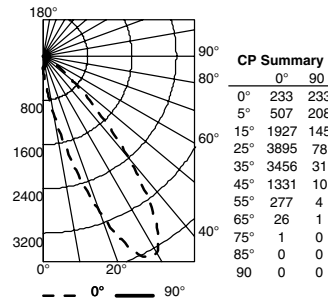
AX2SQ A G2 15LM 30K 80CRI 15D FPC 120 2SQABV BD WET
3000K LEDs, input watts: 17.3,
delivered lumens: 1140, LM/W = 66,
test no. PT07172834R,
tested in accordance to IESNA LM-79

Beam Spread: 15D



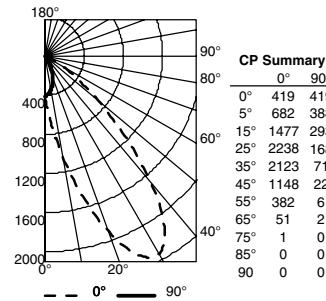
AX2SQ A G2 15LM 30K 80CRI 24D FPC 120 2SQABV BD WET
3000K LEDs, input watts: 17.3,
delivered lumens: 1068, LM/W = 62,
test no. PT07172841R,
tested in accordance to IESNA LM-79

Beam Spread: 24D



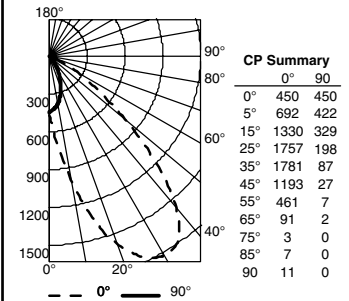
AX2SQ A G2 15LM 30K 80CRI 35D FPC 120 2SQABV BD WET
3000K LEDs, input watts: 17.3,
delivered lumens: 1005, LM/W = 58,
test no. PT07172905R,
tested in accordance to IESNA LM-79

Beam Spread: 35D



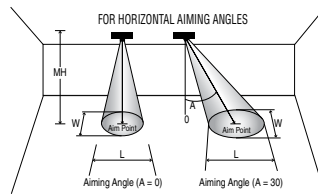
AX2SQ A G2 15LM 30K 80CRI 45D FPC 120 2SQABV BD WET
3000K LEDs, input watts: 17.3,
delivered lumens: 1020, LM/W = 59,
test no. PT07172912R,
tested in accordance to IESNA LM-79

Beam Spread: 45D

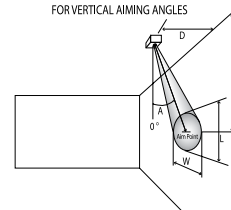


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In vertical aiming applications, aim point (X) is determined by dividing distance from the wall (D) by the tangent of the desired aim angle (A) (0.5774 for 30°, 1.0 for 45°).



Horizontal Aiming Angles



Vertical Aiming Angles

Beam Spread	CBCP	0°				30°			30°					45°			
		MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W
	6213	4	388	1.4	1.4	252	2.0	1.7	2	194	3.5	3.2	1.4	413	2.4	1.8	1.1
		6	173	2.2	2.2	112	2.9	2.5	3	86	5.2	4.8	2.2	183	3.6	2.8	1.7
		8	97	2.9	2.9	63	3.9	3.3	4	49	6.9	6.4	2.9	103	4.8	3.7	2.3
		10	62	3.6	3.6	40	4.9	4.2	5	31	8.7	8.0	3.6	66	6.0	4.6	2.8
	4092	12	43	4.3	4.3	28	5.9	5.0	6	22	10.4	9.6	4.3	46	7.2	5.5	3.4
		4	256	1.8	1.8	166	2.5	2.1	2	128	3.5	4.4	1.8	272	2.4	2.4	1.4
		6	114	2.8	2.8	74	3.7	3.2	3	57	5.2	6.6	2.8	121	3.6	3.6	2.1
		8	64	3.7	3.7	42	5.0	4.2	4	32	6.9	8.7	3.7	68	4.8	4.8	2.9
	2332	10	41	4.6	4.6	27	6.2	5.3	5	20	8.7	10.9	4.6	43	6.0	6.0	3.6
		12	28	5.5	5.5	18	7.5	6.4	6	14	10.4	13.1	5.5	30	7.2	7.2	4.3
		4	146	2.4	2.4	95	3.3	2.8	2	73	3.5	6.6	2.4	155	2.4	3.4	1.9
		6	65	3.6	3.6	42	5.0	4.2	3	32	5.2	10.0	3.6	69	3.6	5.0	2.8
	1825	8	36	4.8	4.8	24	6.6	5.6	4	18	6.9	13.3	4.8	39	4.8	6.7	3.8
		10	23	6.0	6.0	15	8.3	7.0	5	12	8.7	16.6	6.0	25	6.0	8.4	4.7
		12	16	7.2	7.2	11	10.0	8.4	6	8	10.4	19.9	7.2	17	7.2	10.1	5.6
		4	114	3.2	3.2	74	4.5	3.7	2	57	3.5	12.1	3.2	121	2.4	5.0	2.5
		6	51	4.8	4.8	33	6.7	5.5	3	25	5.2	18.2	4.8	54	3.6	7.5	3.7
		8	29	6.4	6.4	19	9.0	7.4	4	14	6.9	24.3	6.4	30	4.8	9.9	5.0
		10	18	8.0	8.0	12	11.2	9.2	5	9	8.7	30.3	8.0	19	6.0	12.4	6.2
		12	13	9.6	9.6	8	13.4	11.0	6	6	10.4	36.4	9.6	13	7.2	14.9	7.4

LUMEN OUTPUT MULTIPLIERS

Color Temperature	CRI	Multiplier
2700K	80	0.95
3000K	80	1.00
3500K	80	1.05
4000K	80	1.10

Color Temperature	CRI	Multiplier
2700K	90	0.83
3000K	90	0.87

Lumen Package	Multiplier
800	0.58
1200	0.86
1500	1.00

2" LED RECESSED MULTIPLE 800/1200/1500 LUMEN

SQUARE APERTURE

NEW CONSTRUCTION 1/2/3 HEAD

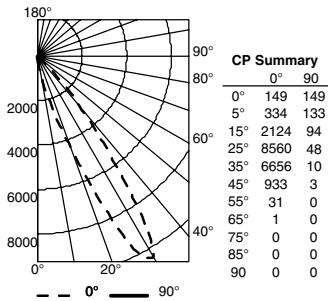
2SQAPIN / 2SQ2APIN / 2SQ3APIN Trim

PHOTOMETRICS

AX2SQ A G2 15LM 30K 80CRI 15D FPC 120 2SQAPIN BD

3000K LEDs, input watts: 17.3,
delivered lumens: 1229, LM/W = 71,
test no. PT07172832R,
tested in accordance to IESNA LM-79

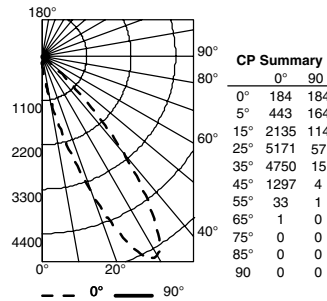
Beam Spread: 15D



AX2SQ A G2 15LM 30K 80CRI 24D FPC 120 2SQAPIN BD

3000K LEDs, input watts: 17.3,
delivered lumens: 1140, LM/W = 66,
test no. PT07172839R,
tested in accordance to IESNA LM-79

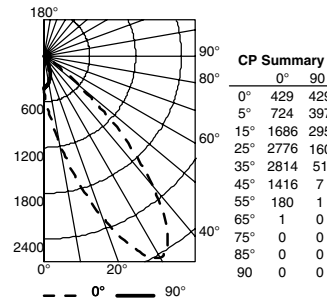
Beam Spread: 24D



AX2SQ A G2 15LM 30K 80CRI 35D FPC 120 2SQAPIN BD

3000K LEDs, input watts: 17.3,
delivered lumens: 1088, LM/W = 63,
test no. PT07172903R,
tested in accordance to IESNA LM-79

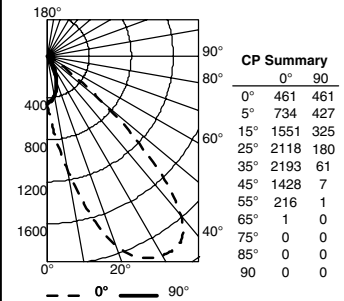
Beam Spread: 35D



AX2SQ A G2 15LM 30K 80CRI 45D FPC 120 2SQAPIN BD

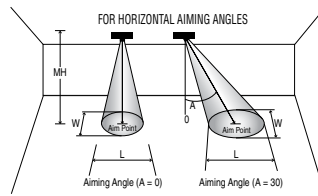
3000K LEDs, input watts: 17.3,
delivered lumens: 1058, LM/W = 61,
test no. PT07172910R,
tested in accordance to IESNA LM-79

Beam Spread: 45D

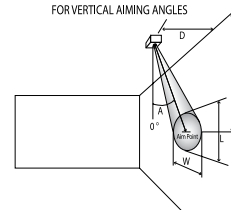


CBCP • Centerbeam candlepower
FC • Footcandles at beam center (aim point)

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°).



Horizontal Aiming Angles



Vertical Aiming Angles

Beam Spread	CBCP	Horizontal Aiming Angles									Vertical Aiming Angles								
		0°			30°						30°			45°					
		MH	FC	L	W	FC	L	W			D	FC	X	L	W	FC	X	L	W
15°	10430	4	652	1.1	1.1	423	1.5	1.3			2	326	3.5	2.4	1.1	693	2.4	1.4	0.9
		6	290	1.7	1.7	188	2.2	1.9			3	145	5.2	3.6	1.7	308	3.6	2.1	1.3
		8	163	2.2	2.2	106	3.0	2.6			4	81	6.9	4.7	2.2	173	4.8	2.8	1.7
		10	104	2.8	2.8	68	3.7	3.2			5	52	8.7	5.9	2.8	111	6.0	3.5	2.2
		12	72	3.4	3.4	47	4.5	3.9			6	36	10.4	7.1	3.4	77	7.2	4.2	2.6
24°	5705	4	357	1.6	1.6	232	2.2	1.9			2	178	3.5	3.8	1.6	379	2.4	2.1	1.3
		6	158	2.5	2.5	103	3.3	2.8			3	79	5.2	5.6	2.5	168	3.6	3.2	1.9
		8	89	3.3	3.3	58	4.4	3.8			4	45	6.9	7.5	3.3	95	4.8	4.2	2.6
		10	57	4.1	4.1	37	5.6	4.7			5	29	8.7	9.4	4.1	61	6.0	5.3	3.2
		12	40	4.9	4.9	26	6.7	5.7			6	20	10.4	11.3	4.9	42	7.2	6.3	3.8
35°	3048	4	191	2.5	2.5	124	3.5	2.9			2	95	3.5	7.2	2.5	202	2.4	3.6	2.0
		6	85	3.8	3.8	55	5.2	4.4			3	42	5.2	10.8	3.8	90	3.6	5.3	2.9
		8	48	5.0	5.0	31	7.0	5.8			4	24	6.9	14.4	5.0	51	4.8	7.1	3.9
		10	30	6.3	6.3	20	8.7	7.3			5	15	8.7	18.0	6.3	32	6.0	8.9	4.9
		12	21	7.6	7.6	14	10.4	8.7			6	11	10.4	21.6	7.6	22	7.2	10.7	5.9
45°	2195	4	137	3.1	3.1	89	4.3	3.6			2	69	3.5	11.2	3.1	146	2.4	4.7	2.4
		6	61	4.6	4.6	40	6.5	5.3			3	30	5.2	16.7	4.6	65	3.6	7.1	3.6
		8	34	6.2	6.2	22	8.7	7.1			4	17	6.9	22.3	6.2	36	4.8	9.5	4.8
		10	22	7.7	7.7	14	10.8	8.9			5	11	8.7	27.9	7.7	23	6.0	11.8	6.0
		12	15	9.3	9.3	10	13.0	10.7			6	8	10.4	33.5	9.3	16	7.2	14.2	7.2

LUMEN OUTPUT MULTIPLIERS

Color Temperature	CRI	Multiplier
2700K	80	0.95
3000K	80	1.00
3500K	80	1.05
4000K	80	1.10

Color Temperature	CRI	Multiplier
2700K	90	0.83
3000K	90	0.87

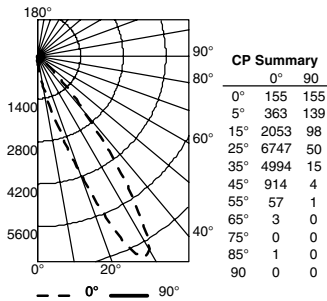
Lumen Package	Multiplier
800	0.58
1200	0.86
1500	1.00

2" LED RECESSED MULTIPLE 800/1200/1500 LUMEN SQUARE APERTURE NEW CONSTRUCTION 1/2/3 HEAD

PHOTOMETRICS 2SQAPIN / 2SQ2APIN / 2SQ3APIN Trim with WET option

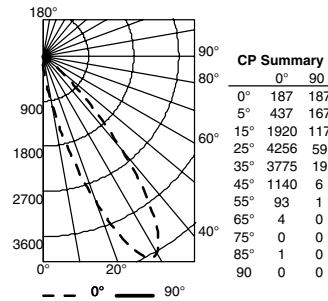
AX2SQ A G2 15LM 30K 80CRI 15D FPC 120 2SQAPIN BD WET
3000K LEDs, input watts: 17.3,
delivered lumens: 1072, LM/W = 62,
test no. PT07172835R,
tested in accordance to IESNA LM-79

Beam Spread: 15D



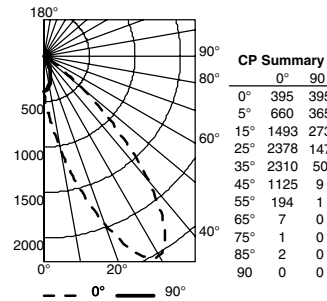
AX2SQ A G2 15LM 30K 80CRI 24D FPC 120 2SQAPIN BD WET
3000K LEDs, input watts: 17.3,
delivered lumens: 1002, LM/W = 58,
test no. PT07172842R,
tested in accordance to IESNA LM-79

Beam Spread: 24D



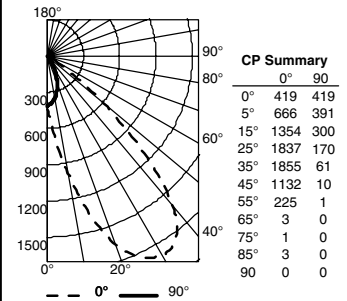
AX2SQ A G2 15LM 30K 80CRI 35D FPC 120 2SQAPIN BD WET
3000K LEDs, input watts: 17.3,
delivered lumens: 947, LM/W = 55,
test no. PT07172906R,
tested in accordance to IESNA LM-79

Beam Spread: 35D



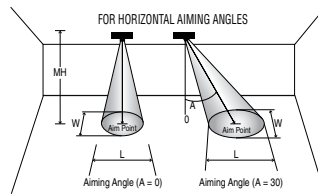
AX2SQ A G2 15LM 30K 80CRI 45D FPC 120 2SQAPIN BD WET
3000K LEDs, input watts: 17.3,
delivered lumens: 921, LM/W = 53,
test no. PT07172913R,
tested in accordance to IESNA LM-79

Beam Spread: 45D

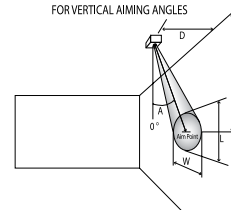


CBCP • Centerbeam candlepower
FC • Footcandles at beam center (aim point)

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°).



Horizontal Aiming Angles



Vertical Aiming Angles

Beam Spread	CBCP	0°				30°			30°					45°			
		MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W
15°	7317	4	457	1.3	1.3	297	1.7	1.5	2	229	3.5	2.8	1.3	486	2.4	1.6	1.0
		6	203	1.9	1.9	132	2.6	2.2	3	102	5.2	4.2	1.9	216	3.6	2.4	1.5
		8	114	2.6	2.6	74	3.5	3.0	4	57	6.9	5.6	2.6	121	4.8	3.2	2.0
		10	73	3.2	3.2	48	4.3	3.7	5	37	8.7	7.0	3.2	78	6.0	4.0	2.5
		12	51	3.9	3.9	33	5.2	4.5	6	25	10.4	8.4	3.9	54	7.2	4.9	3.0
24°	4538	4	284	1.7	1.7	184	2.3	2.0	2	142	3.5	4.0	1.7	301	2.4	2.2	1.3
		6	126	2.6	2.6	82	3.5	3.0	3	63	5.2	6.0	2.6	134	3.6	3.3	2.0
		8	71	3.4	3.4	46	4.6	4.0	4	35	6.9	8.0	3.4	75	4.8	4.4	2.7
		10	45	4.3	4.3	29	5.8	5.0	5	23	8.7	9.9	4.3	48	6.0	5.6	3.3
		12	32	5.1	5.1	20	7.0	5.9	6	16	10.4	11.9	5.1	33	7.2	6.7	4.0
35°	2531	4	158	2.6	2.6	103	3.5	2.9	2	79	3.5	7.4	2.6	168	2.4	3.6	2.0
		6	70	3.8	3.8	46	5.3	4.4	3	35	5.2	11.0	3.8	75	3.6	5.4	3.0
		8	40	5.1	5.1	26	7.0	5.9	4	20	6.9	14.7	5.1	42	4.8	7.2	4.0
		10	25	6.4	6.4	16	8.8	7.4	5	13	8.7	18.4	6.4	27	6.0	9.0	5.0
		12	18	7.7	7.7	11	10.6	8.8	6	9	10.4	22.1	7.7	19	7.2	10.8	6.0
45°	1904	4	119	3.1	3.1	77	4.3	3.5	2	60	3.5	10.9	3.1	126	2.4	4.7	2.4
		6	53	4.6	4.6	34	6.4	5.3	3	26	5.2	16.3	4.6	56	3.6	7.0	3.6
		8	30	6.1	6.1	19	8.6	7.1	4	15	6.9	21.7	6.1	32	4.8	9.3	4.8
		10	19	7.6	7.6	12	10.7	8.8	5	10	8.7	27.2	7.6	20	6.0	11.7	5.9
		12	13	9.2	9.2	9	12.8	10.6	6	7	10.4	32.6	9.2	14	7.2	14.0	7.1

LUMEN OUTPUT MULTIPLIERS

Color Temperature	CRI	Multiplier
2700K	80	0.95
3000K	80	1.00
3500K	80	1.05
4000K	80	1.10

Color Temperature	CRI	Multiplier
2700K	90	0.83
3000K	90	0.87

Lumen Package	Multiplier
800	0.58
1200	0.86
1500	1.00