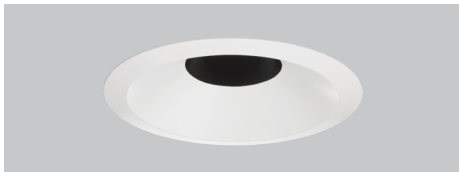




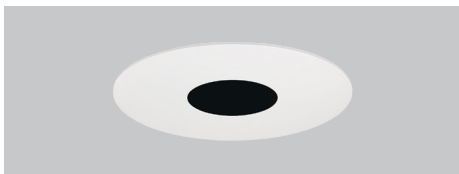
TRIM STYLES



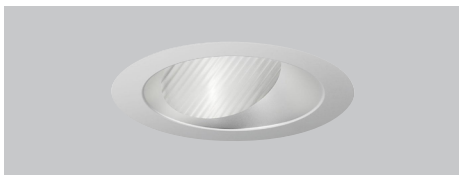
Reflectors



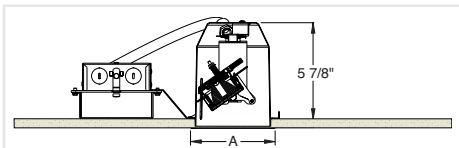
Bevels



Pinholes



Lensed Wall Wash



A Dimension:
Self Flanged: 4.625"

FEATURES

SPOT ON! OPTICS

- Field Interchangeable TIR Optics in 10 distributions
- Accommodates up to 2 beam control lenses or filters

OPTIMIZED AIMING

- Precision hot-aiming provides 370° horizontal, 35° vertical aiming via Philips screwdriver or manually
- Optimized center beam optics translates center of the beam through the center of the aperture resulting in low aperture brightness

QUIET AND GLARE FREE APERTURES

- Deep source regression with 45-degree visual cutoff

EXCEPTIONAL PERFORMANCE FROM 3-INCH APERTURE

- Up to 1500 lumens, 13,013 CBCP Delivered!
- Exceptionally consistent color with < 2SDCM
- Excellent color rendition with 95+ CRI | 90+ R9 Available



PERFORMANCE

LUMEN PACKAGE	WATTS IN	DELIVERED LUMENS	EFFICACY (LPW)	MCBCP
08LM	7	788	113	7145
12LM	11	1156	105	10483
15LM	14	1435	103	13013

Performance with 3AC trim at 30K | 80CRI
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

FLANGE STYLE









Self-Flanged



ORDERING INFORMATION







EXAMPLE: AX3 AR G4 12LM 30K 95CRI 24D FPC 120 3ABV BS WHSF


Housing	Lumens	CCT	CRI	Beam	Driver	Voltage ⁴	Options
AX3 AR G4 Remodel Universal Adjustable/ Downlight/ Wall Wash	08LM	800 lumens	27K 2700K	80CRI	12D 12° beam	120 MVOLT (120-277)	NLIGHT ³ nLight Dimming pack controls
	12LM	1200 lumens	30K 3000K	90CRI ¹	20D 20° beam		
	15LM	1500 lumens	35K 3500K	95CRI ¹	24D 24° beam		
			40K 4000K		30D 30° beam		
					35D 35° beam		
					40D 40° beam		
					45D 45° beam		
					50D 50° beam		
				60D 60° beam			
				60D20D 60° x 20°			
					GZ1 0-10V 1% min		
					EZ1 0-10V eldoLED linear 1% min		
					EZB 0-10V eldoLED log <1% min		
					EDAB eldoLED DALI 6 log <1% min		
					FPC Phase Cut Dimming 1% min		
					ECOD Lutron EcoSystem 1% min		

Adjustable Trim	Reflector Finish	Flange Style	Trim Lens Environment
Reflectors 3AC Angle Cut Reflector (0-45°)  3AC20 Shallow Angle Cut Reflector (0-20°) 	W White Paint CD Clear Diffuse CS Clear Specular BS Black Specular WTD Wheat Diffuse	Flanged SF Self Flanged (same finish as reflector) WHSF Self Flanged, White Painted Flange (not available with W finish)	(blank) Open Damp Location WET⁴ Clear Wet Location
Bevels 3ABV Bevel Adjustable  3SHABV Dead Front, Non Conductive Shower Bevel Adjustable 	Upper Reflector (Shield) Finish BS Black Specular BD Black Diffuse	Trim Finish & Flange Style Flanged WHSF White, Flanged BLSF Black, Flanged	(blank) Open Damp Location WET Solite Wet Location
Pinholes 3APIN 1 1/4" Pinhole Adjustable  3APINLG 1 3/4" Pinhole Adjustable 			

* Additional ordering information on next page



Downlight Trim		Reflector Finish		Flange Style		Trim Lens Environment	
Reflectors 3DP Deep Downlight Reflector (For Static White)  3DH Hyperbolic Reflector 		W White Paint CD Clear Diffuse CS Clear Specular BS Black Specular WTD Wheat Diffuse	Flanged SF Self Flanged (same finish as reflector) WHSF Self Flanged, White Painted Flange (not available with W finish)	(blank) Open Damp Location WET Solite Wet Location			
Bevels 3DBV Downlight Bevel  3SHDBV Dead Front, Non Conductive Shower Downlight Bevel 		Upper Reflector (Shield) Finish BS Black Specular BD Black Diffuse		Trim Finish & Flange Style Flanged WHSF White, Flanged BLSF Black, Flanged		(blank) Open Damp Location WET Solite Wet Location	
Pinholes 3DPIN 1 1/4" Downlight Pinhole  3DPINLG 1 3/4" Downlight Pinhole 							

Wall Wash Trim		Reflector Finish		Flange Style	
Wall Wash 3WW Lensed Wall Wash 		W White Paint CD Clear Diffuse CS Clear Specular BS Black Specular WTD Wheat Diffuse	Flanged SF Self Flanged (same finish as reflector) WHSF Self Flanged, White Painted Flange (not available with W finish)		
*must specify 24D beam with wall wash trim					

* Additional ordering information on next page



REFLECTOR FINISHES

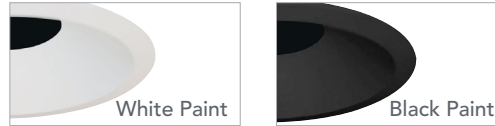


BEVEL & PINHOLE FINISHES

Upper Reflector Finish



Trim Finish



ORDERING NOTES

1. 90CRI and 95CRI available on 27K and 30K only. Contact factory for other CCT/CRI combinations.
2. MVOLT standard on GZ1, EZ1, EZB, ECOD, EDAB. Must be 120 for FPC.
3. NLIGHT only available with EZ1 or EZB (for static white) or GZ1.
4. 3AC20, 3DH not available with WET.

ACCESSORIES

Beam Control Lenses & Filters		Replacement Optics		Optional Installation Accessories
DIFF 200	Diffuse Spread lens	3AXOPT/12D	12° Beam	Emergency Inverter IIS 35 HE Up to 35W Remote Mount Micro Inverter (30LM Excluded)
SOLITE 200	Solite Uniformity Lens	3AXOPT/20D	20° Beam	
PRISM 200	Prismatic Lens	3AXOPT/24D	24° Beam	
LSPREAD 200	Linear Spread Lens	3AXOPT/30D	30° Beam	
HCLBL 200	Hexcell Louver	3AXOPT/35D	35° Beam	
UVF 200	UV Filter Lens	3AXOPT/40D	40° Beam	
DCCF 200 HAL4250	Daylight Blue Correction	3AXOPT/45D	45° Beam	
		3AXOPT/50D	50° Beam	
		3AXOPT/60D	60° Beam	
		3AXOPT/60D20D	60°x20° Beam	



PRODUCT SPECIFICATIONS

FIELD INTERCHANGEABLE LED LIGHT ENGINE

- Future proof and easy to maintain-serviceable from below the ceiling
- <2SDCM Binning
- 2700K|3000K|3500K|4000K CCT
- 80+CRI available for all CCTs
- 90+CRI available for 2700K,3000K
- 95+ CRI (>90 R9) available for 2700K, 3000K

SPOT-ON! PRECISION OPTICS

- Field Interchangeable TIR Optics from 12° FWHM to 60° FWHM provide smooth, striation-free beams
- Patented auto-adjusting optic holder (US Patent 8,950,911). Accommodate up to beam control lenses and/or filters.
- UGR is zero for fixtures aimed at nadir with a cut-off equal to or less than 60°, per CIE 117-1996 Discomfort Glare in Interior Lighting. [UGR FAQs](#)

OPTIMIZED AIMING

- 370° horizontal, 35° vertical aiming with locking
- Optimized center beam optics translates center of the beam through the center of the aperture for maximum efficiency and low aperture brightness

HIGH QUALITY TRIMS

- Available with die cast bevels and pinholes and spun, aluminum reflectors.
- Non-corrosive, polycarbonate bevel option for shower applications
- Utilizes torsion spring retention for tight, secure fit to ceiling

FIELD REPLACEABLE DRIVER

- Accommodates 120-277V input and multiple control protocols
- Dims without perceived flicker to <1% depending on driver specified
- Field replaceable without tools from below or above the ceiling
- >0.9 Power Factor

BUY AMERICAN ACT

- 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/resources/buy-american for additional information.

WARRANTY & RATED LIFE

- LED is rated for >50,000 hours at 70% lumen maintenance
- 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: <https://www.acuitybrands.com/support/warranty/terms-and-conditions>

INSTALL FROM BELOW MOUNTING

- Features patented (US Patent 7,191,993) "Push-Pull" Cable System for rapid installation without tools or loose parts
- Fits 2x6 construction

JUNCTION BOX

- Includes (5) ½" and (4) Non-metallic sheathed cable knock-outs.
- Push-in electrical connectors for field connections.

CODES & LABELS

- UL & cUL listed for damp locations and wet locations with certain trims.
- 08LM and 12LM housings are IC rated for direct contact with insulation
- 3SHABV and 3SHDBV option can be used to comply with dead front and/or non-conductive lighting electrical code requirements and are certified to IP65
- Union made

CEILING THICKNESS

- Accommodates 3/8" to 2" ceiling thickness without altering photometrics

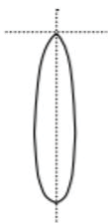
A+ CAPABLE LUMINAIRE

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning, when used with Acuity Brands controls products.

- All configurations of this luminaire are calibrated and tested to meet the Acuity Brand's specification for chromatic consistency - including color rendering, color fidelity and color temperature tolerance around standard CIE chromaticity coordinates.

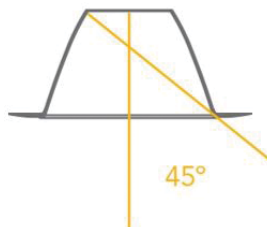
To learn more about Acuity A+ standards, specifications and testing, visit www.acuitybrands.com/aplus.

Spot On! Precision Optics



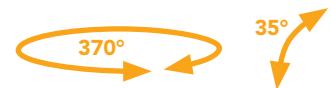
Smooth, striation-free beams with field-interchangeable TIR optics from 12° to 60°

Exceptional Brightness and Glare Control



45° visual cutoff to source and source image

Optimized Aiming

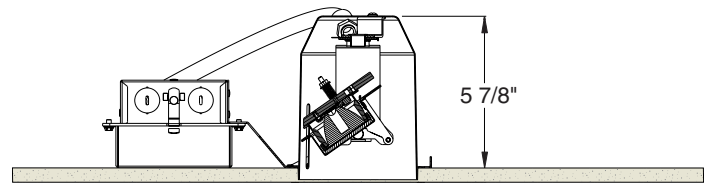
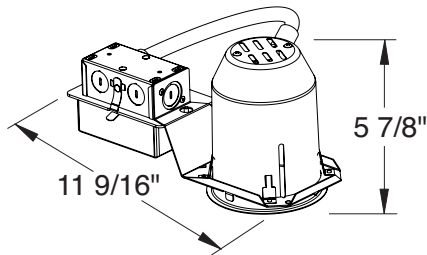


Centerbeam optics results in lower aperture brightness



DIMENSIONS

Ceiling Cutout: 4 3/8" (For best results, a hole saw is recommended)



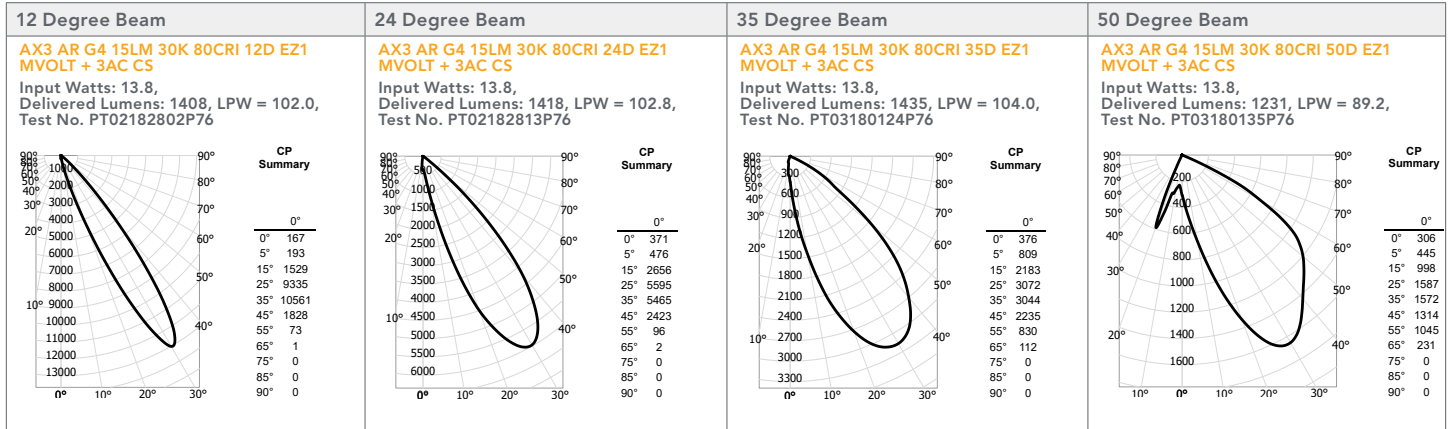
ELECTRICAL SPECIFICATIONS

LUMEN PACKAGE	08LM		12LM		15LM	
Voltage	120	277	120	277	120	277
Input Watts	7.0	7.6	11.0	12.0	13.8	14.6
Input Current	0.03	0.06	0.09	0.05	0.12	0.06
Frequency	50/60 Hz		50/60 Hz		50/60 Hz	
Power Factor	0.9 MIN.		0.9 MIN.		0.9 MIN.	



PHOTOMETRICS (@ 30° TILT) - 3AC

Tested in accordance to IESNA LM79



Measured 15LM 30K 80 CRI	FOR HORIZONTAL AIMING ANGLES								FOR VERTICAL AIMING ANGLES								
	Horizontal Aiming Angles								Vertical Aiming Angles								
	Beam Spread	CBCP	0°			30°			30°				35°				
		MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W
12D	13013	6	361	1.8	1.8	235	2.4	2.0	3	181	5.2	3.7	1.8	273	4.3	2.8	1.5
		8	203	2.3	2.3	132	3.1	2.7	4	102	6.9	5.0	2.3	153	5.7	3.7	2.0
		10	130	2.9	2.9	85	3.9	3.4	5	65	8.7	6.2	2.9	98	7.1	4.6	2.5
		12	90	3.5	3.5	59	4.7	4.0	6	45	10.4	7.5	3.5	68	8.6	5.6	3.1
		14	66	4.1	4.1	43	5.5	4.7	7	33	12.1	8.7	4.1	50	10.0	6.5	3.6
24D	5973	4	373	2.0	2.0	242	2.7	2.3	2	187	3.5	4.8	2.0	282	2.9	3.4	1.7
		6	166	3.0	3.0	108	4.0	3.4	3	83	5.2	7.2	3.0	125	4.3	5.1	2.6
		8	93	3.9	3.9	61	5.4	4.6	4	47	6.9	9.6	3.9	70	5.7	6.8	3.4
		10	60	4.9	4.9	39	6.7	5.7	5	30	8.7	12.1	4.9	45	7.1	8.6	4.3
		12	41	5.9	5.9	27	8.1	6.8	6	21	10.4	14.5	5.9	31	8.6	10.3	5.2
35D	3167	4	198	2.8	2.8	129	3.9	3.3	2	99	3.5	9.1	2.8	149	2.9	5.8	2.5
		6	88	4.2	4.2	57	5.9	4.9	3	44	5.2	13.6	4.2	66	4.3	8.7	3.7
		8	49	5.7	5.7	32	7.9	6.5	4	25	6.9	18.2	5.7	37	5.7	11.6	4.9
		10	32	7.1	7.1	21	9.9	8.2	5	16	8.7	22.7	7.1	24	7.1	14.5	6.2
		12	22	8.5	8.5	14	11.8	9.8	6	11	10.4	27.2	8.5	17	8.6	17.4	7.4
50D	1654	4	103	3.4	3.4	67	4.8	3.9	2	52	3.5	14.4	3.4	78	2.9	8.0	2.9
		6	46	5.1	5.1	30	7.2	5.8	3	23	5.2	21.6	5.1	35	4.3	12.0	4.4
		8	26	6.7	6.7	17	9.6	7.8	4	13	6.9	28.9	6.7	20	5.7	16.1	5.9
		10	17	8.4	8.4	11	11.9	9.7	5	8	8.7	36.1	8.4	12	7.1	20.1	7.3
		12	11	10.1	10.1	7	14.3	11.7	6	6	10.4	43.3	10.1	9	8.6	24.1	8.8

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°, 0.7002 for 35°).
CBCP • Centerbeam candlepower FC • Footcandles at beam center (aim point)

LUMEN | CBCP MULTIPLIERS

CCT	80+ CRI	90+ CRI	95+ CRI
2700K	1.00	0.86	0.65
3000K	1.00	0.88	0.69
3500K	1.05	-	-
4000K	1.07	-	-

08LM	12LM	15LM
0.54	0.80	1.0

*Refer to website for additional photometry (alternate trims, CCT/CRI, lumen packages)



PHOTOMETRICS (@ 30° TILT) - 3ABV

Tested in accordance to IESNA LM79

12 Degree Beam	24 Degree Beam	35 Degree Beam	50 Degree Beam																																																																																																
<p>AX3 AR G4 30LM 30K 80CRI 12D EZ1 MVOLT + 3ABV BS</p> <p>Input Watts: 13.8, Delivered Lumens: 1224, LPW = 88.7, Test No. PT02182807P76</p> <p>CP Summary</p> <table border="1"> <tr><th>Beam Angle</th><th>CP</th></tr> <tr><td>0°</td><td>33</td></tr> <tr><td>5°</td><td>85</td></tr> <tr><td>15°</td><td>1450</td></tr> <tr><td>25°</td><td>8198</td></tr> <tr><td>35°</td><td>9223</td></tr> <tr><td>45°</td><td>1426</td></tr> <tr><td>55°</td><td>69</td></tr> <tr><td>65°</td><td>1</td></tr> <tr><td>75°</td><td>0</td></tr> <tr><td>85°</td><td>0</td></tr> <tr><td>90°</td><td>0</td></tr> </table>	Beam Angle	CP	0°	33	5°	85	15°	1450	25°	8198	35°	9223	45°	1426	55°	69	65°	1	75°	0	85°	0	90°	0	<p>AX3 AR G4 30LM 30K 80CRI 24D EZ1 MVOLT + 3ABV BS</p> <p>Input Watts: 13.8, Delivered Lumens: 1316, LPW = 95.5, Test No. PT02182818P76</p> <p>CP Summary</p> <table border="1"> <tr><th>Beam Angle</th><th>CP</th></tr> <tr><td>0°</td><td>63</td></tr> <tr><td>5°</td><td>120</td></tr> <tr><td>15°</td><td>2171</td></tr> <tr><td>25°</td><td>5414</td></tr> <tr><td>35°</td><td>5417</td></tr> <tr><td>45°</td><td>2353</td></tr> <tr><td>55°</td><td>100</td></tr> <tr><td>65°</td><td>2</td></tr> <tr><td>75°</td><td>0</td></tr> <tr><td>85°</td><td>0</td></tr> <tr><td>90°</td><td>0</td></tr> </table>	Beam Angle	CP	0°	63	5°	120	15°	2171	25°	5414	35°	5417	45°	2353	55°	100	65°	2	75°	0	85°	0	90°	0	<p>AX3 AR G4 30LM 30K 80CRI 35D EZ1 MVOLT + 3ABV BS</p> <p>Input Watts: 13.8, Delivered Lumens: 1284, LPW = 93.0, Test No. PT03180129P76</p> <p>CP Summary</p> <table border="1"> <tr><th>Beam Angle</th><th>CP</th></tr> <tr><td>0°</td><td>174</td></tr> <tr><td>5°</td><td>546</td></tr> <tr><td>15°</td><td>1895</td></tr> <tr><td>25°</td><td>2939</td></tr> <tr><td>35°</td><td>3000</td></tr> <tr><td>45°</td><td>2221</td></tr> <tr><td>55°</td><td>833</td></tr> <tr><td>65°</td><td>113</td></tr> <tr><td>75°</td><td>0</td></tr> <tr><td>85°</td><td>0</td></tr> <tr><td>90°</td><td>0</td></tr> </table>	Beam Angle	CP	0°	174	5°	546	15°	1895	25°	2939	35°	3000	45°	2221	55°	833	65°	113	75°	0	85°	0	90°	0	<p>AX3 AR G4 30LM 30K 80CRI 50D EZ1 MVOLT + 3ABV BS</p> <p>Input Watts: 13.8, Delivered Lumens: 962, LPW = 69.7, Test No. PT03180140P76</p> <p>CP Summary</p> <table border="1"> <tr><th>Beam Angle</th><th>CP</th></tr> <tr><td>0°</td><td>205</td></tr> <tr><td>5°</td><td>309</td></tr> <tr><td>15°</td><td>805</td></tr> <tr><td>25°</td><td>1441</td></tr> <tr><td>35°</td><td>1453</td></tr> <tr><td>45°</td><td>1379</td></tr> <tr><td>55°</td><td>994</td></tr> <tr><td>65°</td><td>125</td></tr> <tr><td>75°</td><td>0</td></tr> <tr><td>85°</td><td>0</td></tr> <tr><td>90°</td><td>0</td></tr> </table>	Beam Angle	CP	0°	205	5°	309	15°	805	25°	1441	35°	1453	45°	1379	55°	994	65°	125	75°	0	85°	0	90°	0
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Measured 15LM 30K 80 CRI	FOR HORIZONTAL AIMING ANGLES								FOR VERTICAL AIMING ANGLES								
	Horizontal Aiming Angles				Vertical Aiming Angles				Horizontal Aiming Angles				Vertical Aiming Angles				
	Beam Spread	CBCP	0°		30°		30°		35°		30°		35°				
		MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W
12D	13013	6	361	1.8	1.8	235	2.4	2.1	3	181	5.2	3.8	1.8	273	4.3	2.9	1.6
		8	203	2.4	2.4	132	3.2	2.8	4	102	6.9	5.1	2.4	153	5.7	3.8	2.1
		10	130	3.0	3.0	85	4.0	3.5	5	65	8.7	6.4	3.0	98	7.1	4.8	2.6
		12	90	3.6	3.6	59	4.8	4.1	6	45	10.4	7.7	3.6	68	8.6	5.7	3.1
		14	66	4.2	4.2	43	5.6	4.8	7	33	12.1	9.0	4.2	50	10.0	6.7	3.6
24D	5973	4	373	1.9	1.9	242	2.6	2.2	2	187	3.5	4.6	1.9	282	2.9	3.3	1.7
		6	166	2.8	2.8	108	3.9	3.3	3	83	5.2	6.9	2.8	125	4.3	4.9	2.5
		8	93	3.8	3.8	61	5.2	4.4	4	47	6.9	9.1	3.8	70	5.7	6.5	3.3
		10	60	4.7	4.7	39	6.4	5.5	5	30	8.7	11.4	4.7	45	7.1	8.1	4.1
		12	41	5.7	5.7	27	7.7	6.6	6	21	10.4	13.7	5.7	31	8.6	9.8	5.0
35D	3167	4	198	2.6	2.6	129	3.6	3.0	2	99	3.5	7.8	2.6	149	2.9	5.2	2.3
		6	88	4.0	4.0	57	5.5	4.6	3	44	5.2	11.7	4.0	66	4.3	7.7	3.4
		8	49	5.3	5.3	32	7.3	6.1	4	25	6.9	15.7	5.3	37	5.7	10.3	4.6
		10	32	6.6	6.6	21	9.1	7.6	5	16	8.7	19.6	6.6	24	7.1	12.9	5.7
		12	22	7.9	7.9	14	10.9	9.1	6	11	10.4	23.5	7.9	17	8.6	15.5	6.9
50D	1654	4	103	3.2	3.2	67	4.6	3.7	2	52	3.5	12.7	3.2	78	2.9	7.4	2.8
		6	46	4.8	4.8	30	6.8	5.6	3	23	5.2	19.0	4.8	35	4.3	11.0	4.2
		8	26	6.5	6.5	17	9.1	7.5	4	13	6.9	25.3	6.5	20	5.7	14.7	5.6
		10	17	8.1	8.1	11	11.4	9.3	5	8	8.7	31.7	8.1	12	7.1	18.4	7.0
		12	11	9.7	9.7	7	13.7	11.2	6	6	10.4	38.0	9.7	9	8.6	22.1	8.5

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°, 0.7002 for 35°).
CBCP • Centerbeam candlepower FC • Footcandles at beam center (aim point)

LUMEN | CBCP MULTIPLIERS

CCT	80+ CRI	90+ CRI	95+ CRI
2700K	1.00	0.86	0.65
3000K	1.00	0.88	0.69
3500K	1.05	-	-
4000K	1.07	-	-

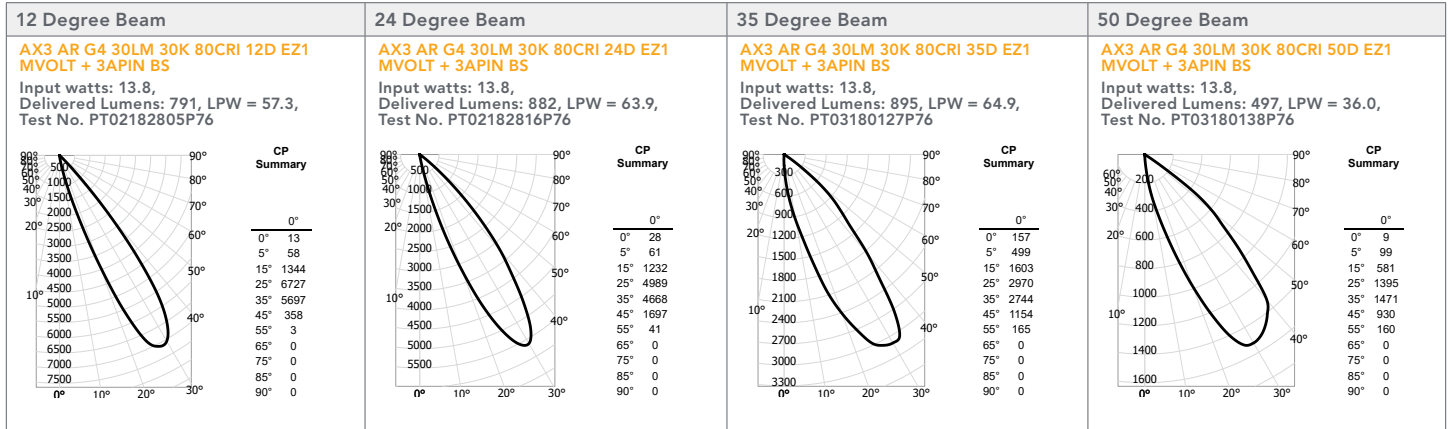
08LM	12LM	15LM
0.54	0.80	1.0

*Refer to website for additional photometry (alternate trims, CCT/CRI, lumen packages)



PHOTOMETRICS (@ 30° TILT) - 3APIN

Tested in accordance to IESNA LM79



Measured 15LM 30K 80 CRI	FOR HORIZONTAL AIMING ANGLES								FOR VERTICAL AIMING ANGLES								
	Horizontal Aiming Angles				Vertical Aiming Angles				30°				35°				
	Beam Spread	CBCP	0°		30°		30°		35°		30°		35°				
		MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W
	13013	6	361	2.0	2.0	235	2.7	2.3	3	181	5.2	4.4	2.0	273	4.3	3.2	1.8
		8	203	2.7	2.7	132	3.6	3.1	4	102	6.9	5.8	2.7	153	5.7	4.3	2.3
		10	130	3.3	3.3	85	4.5	3.9	5	65	8.7	7.3	3.3	98	7.1	5.4	2.9
		12	90	4.0	4.0	59	5.4	4.6	6	45	10.4	8.8	4.0	68	8.6	6.5	3.5
		14	66	4.7	4.7	43	6.3	5.4	7	33	12.1	10.2	4.7	50	10.0	7.6	4.1
	5973	4	373	1.6	1.6	242	2.1	1.8	2	187	3.5	3.5	1.6	282	2.9	2.6	1.4
		6	166	2.4	2.4	108	3.2	2.7	3	83	5.2	5.3	2.4	125	4.3	3.9	2.1
		8	93	3.1	3.1	61	4.2	3.6	4	47	6.9	7.1	3.1	70	5.7	5.2	2.7
		10	60	3.9	3.9	39	5.3	4.5	5	30	8.7	8.9	3.9	45	7.1	6.5	3.4
		12	41	4.7	4.7	27	6.4	5.4	6	21	10.4	10.6	4.7	31	8.6	7.8	4.1
	3167	4	198	1.9	1.9	129	2.6	2.2	2	99	3.5	4.6	1.9	149	2.9	3.3	1.7
		6	88	2.9	2.9	57	3.9	3.3	3	44	5.2	7.0	2.9	66	4.3	5.0	2.5
		8	49	3.8	3.8	32	5.2	4.4	4	25	6.9	9.3	3.8	37	5.7	6.6	3.3
		10	32	4.8	4.8	21	6.5	5.5	5	16	8.7	11.6	4.8	24	7.1	8.3	4.2
		12	22	5.8	5.8	14	7.8	6.7	6	11	10.4	13.9	5.8	17	8.6	9.9	5.0
	1654	4	103	2.1	2.1	67	2.9	2.5	2	52	3.5	5.4	2.1	78	2.9	3.8	1.9
		6	46	3.2	3.2	30	4.4	3.7	3	23	5.2	8.2	3.2	35	4.3	5.7	2.8
		8	26	4.3	4.3	17	5.8	4.9	4	13	6.9	10.9	4.3	20	5.7	7.6	3.7
		10	17	5.3	5.3	11	7.3	6.2	5	8	8.7	13.6	5.3	12	7.1	9.5	4.7
		12	11	6.4	6.4	7	8.8	7.4	6	6	10.4	16.3	6.4	9	8.6	11.4	5.6

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°, 0.7002 for 35°).
CBCP • Centerbeam candlepower FC • Footcandles at beam center (aim point)

LUMEN | CBCP MULTIPLIERS

CCT	80+ CRI	90+ CRI	95+ CRI
2700K	1.00	0.86	0.65
3000K	1.00	0.88	0.69
3500K	1.05	-	-
4000K	1.07	-	-

08LM	12LM	15LM
0.54	0.80	1.0

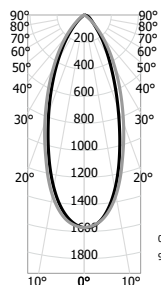
*Refer to website for additional photometry (alternate trims, CCT/CRI, lumen packages)



PHOTOMETRICS - 3WW

Tested in accordance to IESNA LM79

AX3 AR G4 15LM 30K 80CRI 24D EZ1 MVOLT + 3WW CS Input Watts: 13.8, Delivered Lumens: 1008, LPW: 73.0, S/MH: 0.60, Test No: PT02182734P76



CP Summary		Zonal Lumen Summary		Coefficients of Utilization										Luminance (cd/sq.m)		
0°	90°	Zone	Lumens % Fixture	pf	50%		80%		10%		20%		50%		Average	
				pc	pw	30%	30%	10%	50%	70%	10%	30%	10%			
0°	1571 1571	0° - 30°	697 69%	0	1200.45	1200.45	1200.45	1172.53	1172.53	1172.53	1120.42	1120.42	1120.42	0°	256063	
5°	1511 1518	0° - 40°	874 87%	1	1114.40	1088.79	1065.70	1092.58	1069.59	1048.74	1051.71	1033.31	1016.44	45°	25266	
15°	1014 1094	0° - 60°	990 98%	2	1034.54	993.00	958.09	1017.13	979.34	947.29	984.41	953.30	926.45	55°	17362	
25°	512 635	0° - 90°	1008 100%	3	963.12	912.04	871.35	949.03	902.06	864.22	922.47	882.91	850.36	65°	15025	
35°	247 321	90° - 180°	0 0%	4	899.45	842.88	799.68	887.89	835.42	794.85	866.08	821.04	785.38	75°	12001	
45°	110 124	0° - 180°	1008 100%	5	842.56	783.12	739.24	832.99	777.42	735.87	814.88	766.41	729.25	85°	465	
55°	61 31			6	791.60	730.94	687.40	783.59	726.51	685.01	768.40	717.92	680.27			
65°	39 5			7	745.80	684.99	642.37	739.03	681.49	640.63	726.17	674.68	637.18			
75°	19 1			8	704.51	644.25	602.85	698.74	641.44	601.55	687.76	635.95	598.98			
85°	0 0			9	667.18	607.90	567.86	662.23	605.61	566.88	652.77	601.13	564.93			
90°	0 0			10	633.34	575.30	536.67	629.05	573.41	535.91	620.84	569.71	534.41			

FOOTCANDLES ON WALL FROM MULTIPLE FIXTURES

Fixture Distance to Wall		18"			24"			24"			36"			36"						
Fixture Centers (spacing)		18"		24"		18"		24"		36"		48"		48"						
DISTANCE FROM CEILING	1'	19	20	19	18	15	18	10	10	10	9	6	9	4	4	4	4	3	4	
	2'	28	30	28	25	24	25	14	15	14	12	10	12	6	6	6	6	5	6	
	3'	28	30	28	25	26	25	17	19	17	15	13	15	7	7	7	7	6	7	
	4'	23	25	23	20	22	20	16	18	16	14	14	14	8	9	8	8	7	8	
	5'	17	19	17	16	17	16	14	16	14	12	13	12	9	10	9	8	8	8	
	6'	14	14	14	12	13	12	12	13	12	11	11	11	9	9	9	8	8	8	8
	7'	11	11	11	10	11	10	10	11	10	9	10	9	8	9	8	8	8	8	8
	8'	9	9	9	8	9	8	9	10	9	8	9	8	8	8	8	8	7	8	7
	9'	8	8	8	7	8	7	8	8	8	7	8	7	7	8	7	7	7	7	7
	10'	4	5	4	4	4	4	5	5	5	4	5	4	5	5	5	4	5	4	4

Performance listed at 3000K | 80CRI

LUMEN | CBCP MULTIPLIERS

CCT	80+ CRI	90+ CRI	95+ CRI
2700K	1.00	0.86	0.65
3000K	1.00	0.88	0.69
3500K	1.05	-	-
4000K	1.07	-	-

08LM	12LM	15LM
0.54	0.80	1.0

*Refer to website for additional photometry (alternate trims, CCT/CRI, lumen packages)



DIMMER COMPATIBILITY

Phase Dimming (FPC) - Incandescent, Magnetic Low Voltage and Electronic Low Voltage Dimming

- Dimming range of 100% down to as low as 1% a minimum load of one fixture
- Dimming range and maximum rated load vary depending on dimmer type and model. See maximum load calculations below to identify maximum number of luminaires per dimmer.

Incandescent (INC) and Magnetic Low Voltage (MLV)

Example: Fixture Rating = 13W; Dimmer Rating = 600W
 Equivalent Incandescent Load (EIL) = 50%
 $(600/13W) \times 0.5 = 23$ Fixtures per Dimmer

Electronic Low Voltage (ELV)

Example: Fixture Rating = 13W; Dimmer Rating = 600W
 Equivalent Incandescent Load (EIL) = 75%
 $(600/13W) \times 0.75 = 34$ Fixtures per Dimmer

INCANDESCENT, MLV, ELV WALL DIMMERS

Manf.	Product Family	Series	Type	Min Light(%)
Lutron	Glyder	GLV*	MLV	2
Leviton	SureSlide	6633*	INC	2
Lutron	Diva	DVLV	MLV	6
Lutron	Diva	DV*	INC	2
Lutron	Skylark	SLV*	MLV	3
Lutron	RadioRA 2	RRD-6D*	INC	2
Lutron	RadioRA 2	RRD-10ND*	INC	2
Leviton	SureSlide	6613	MLV	5
Leviton	IllumaTech	IPL06-10Z*	INC	3
Lutron	Diva	DVCL	INC	3
Insteon	Keypad Dimmer	2334-232	INC	2
Insteon	Dimmer Switch	2477D*	INC	2
Control4	Forward Phase Dimmer	C4-FPD 120	INC	2
Lutron	Nova	NTELV	ELV	6
Lutron	Diva	DVELV*	ELV	2
Lutron	Lutron Maestro	MAELV*	ELV	5
Leviton	Vizia	VPE06-1LX	ELV	2
Leviton	Illumatech	IPE04*	ELV	5
Lutron	Lutron RadioRA2	RRD-6NA	PHA	2
Control4	Adaptive Phase Dimmer	C4-APD 120	PHA	2
Lutron	RadioRA2	RRD-6NA*	PHA	2
Control4	Adaptive Phase Dimmer	C4-APD 120	PHA	2

INTEGRATED CONTROL SYSTEMS

Manf.	Product Family	Series	Type	Min Light(%)
Lutron	LP	LP-RPM-4U	INC	5
Lutron	LP	LP-RPM-4A*	PHA	2
Lutron	GrafikEye QS	OSGRJ-3P	PHA	2
Lutron	GrafikEye QS	PHPM-PA-120	PHA	2
Lutron	HomeWorks QS	PHPM-PA-120	PHA	2
Lutron	HomeWorks QS	HW-RPM-4A*	PHA	2
Acuity	nLight nSP5PCD ELV	nSP5PCD*	ELV	4
Insteon	Micro Module Dimmer	2442-222*	INC	2
Control4	8 Ch Dimmer	C4-DIN-8DIM-E	PHA	2

0-10V Dimming (GZ1, EZ1, EZB drivers)

WALL DIMMERS

Manf.	Product Family	Series	Type	-EZ1/-GZ1 Min. Light (%)	-EZB Min. Light (%)
Lutron	Diva	DVTV	0-10V	1	<1
Lutron	Nova	NFTV	0-10V	1	<1
Lutron	Nova T	NTFTV	0-10V	1	<1

INTEGRATED CONTROL SYSTEMS

Manf.	Product Family	Series	Type	-EZ1/-GZ1 Min. Light (%)	-EZB Min. Light (%)
Lutron	GrafikEye QS	GRX-TVI*	0-10V	1	<1
Lutron	HomeWorks QS	GRX-TVI*	0-10V	1	<1
Lutron	HomeWorks QS	GRX-TVM2*	0-10V	1	<1
Lutron	LCP128	GRX-TVI*	0-10V	1	<1
Lutron	LCP128	GRX-TVM2*	0-10V	1	<1
Lutron	LP	GRX-TVM2*	0-10V	1	<1
Lutron	RadioRA2	LMJ-5T-DV-B	0-10V	1**	<1
Crestron	GreenLight	DIN-4DIMFLV4	0-10V	1	<1
Lutron	Energi Tripak	RMJ-5T-DV-B	0-10V	1	<1
Wattstopper	DLM	LMRC-211	0-10V	1	<1
Insteon	Ballast Dimmer	2475DA2	0-10V	1	<1

*: Aculux recommended dimmers

** : Not tested with -GZ1

+: Requires a separate relay module to turn luminaire on/off