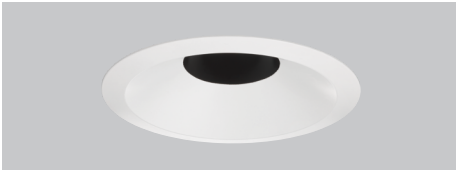


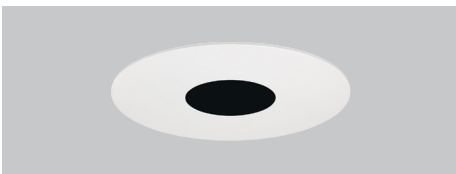
TRIM STYLES



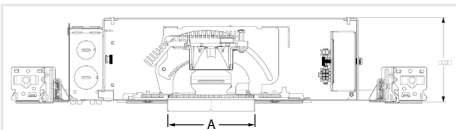
Angle-Cut Reflectors



Bevels



Pinholes



A Dimension:
Self Flanged: 4.625"
Flangeless: 3.875"

FEATURES

SPOT ON! OPTICS

- Field Interchangeable TIR Optics in 10 distributions
- Accommodates up to 3 beam control lenses or filters

ACU-AIM™ PRECISION AIMING

- Precision geared hot-aiming provides 370° horizontal, 45° vertical aiming via Philips screwdriver
- Optimized center beam optics translates center of the beam through the center of the aperture resulting in low aperture brightness

EXCEPTIONAL PERFORMANCE FROM 3-INCH APERTURE

- Up to 2883 lumens, 26,151 CBCP Delivered!
- Exceptionally consistent color with < 2SDCM for Static White & Tunable White; <1SDCM for WarmDim
- Excellent color rendition with 95+ CRI | 90+ R9 Available
- WarmDim® option mimics halogen dimming (3000K-1800K)
- Tunable White CCT range of 5000K –2700K



PERFORMANCE

LUMEN PACKAGE	WATTS IN	DELIVERED LUMENS	EFFICACY (LPW)	MCBCP
Static White				
08LM	7	788	113	7145
12LM	11	1156	105	10483
15LM	14	1435	103	13014
20LM	20	2028	101	18398
25LM	26	2519	97	22853
30LM	33	2883	87	26151
WarmDim®				
08LM	14	736	53	10070
12LM	20	1188	59	8490
15LM	26	1469	57	6604
Tunable White				
08LM	11	994	90	5976
12LM	18	1450	81	8932
15LM	20	1663	83	9996
20LM	31	2343	76	14078

Performance with 3AC trim at 30K | 80CRI (Static White), 30K | 90CRI (WarmDim) & 50K | 90CRI (Tunable White)

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 STYLES



Self-Flanged



Flangeless (Gypsum)









Flangeless (Wood | Stone | Tile)



ORDERING INFORMATION

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

Housing		Lumens		CCT		CRI		Beam		Driver		Voltage ⁴		Ratings		Options		
AX3 A New Construction Adjustable AX3 LPA Low Profile New Construction Adjustable	G4	Static White										120 277 MVOLT (120-277)	(blank) Non-ICAT CP ⁵ Chicago Plenum ICAT ⁵ IC Rated, Air-tight	NLIGHT ⁶ nLight Dimming pack controls (Static White and WarmDim only) E6WT20R ⁷ Emergency 6W battery pack with remote test switch, T20 compliant				
		08LM	800 lumens	27K	2700K	80CRI	12D	12° beam	GZ1	0-10V 1% min								
				30K	3000K	90CRI ²	20D	20° beam	EZ1	0-10V eldoLED linear 1% min								
		12LM	1200 lumens	35K	3500K	95CRI ²	24D	24° beam										
				40K	4000K		30D	30° beam	EZB	0-10V eldoLED log <1% min								
		15LM	1500 lumens				35D	35° beam										
							40D	40° beam	EDXB	eldoLED DMX square <1% min								
	20LM	2000 lumens				45D	45° beam											
						50D	50° beam	EDAB	eldoLED DALI 6 log <1% min									
	25LM	2500 lumens				60D	60° beam											
						60D20D	60° x 20°	FPC	Phase Cut Dimming 1% min									
	30LM ¹	3000 lumens							ECOD	Lutron EcoSystem 1% min								
			WarmDim®															
			08LM	800 lumens	WDIM HALR 3000K - 1800K	90CRI	12D ³	12° beam	GZ1	0-10V 1% min								
				15D ³			15° beam	FPC	Phase Cut Dimming 1% min									
12LM			1200 lumens	20D ³			20° beam											
				24D			24° beam											
15LM			1500 lumens	35D			35° beam											
				40D			40° beam											
				50D	50° beam													
				60D20D	60° x 20°													
Tunable White																		
08LM			800 lumens	TUWH 5000K - 2700K	90CRI	20D	20° beam	GZ1	0-10V 1% min									
						24D	24° beam	NLT ⁶	nLight nTune interface									
12LM		1200 lumens	35D			35° beam												
			40D			40° beam	EDAB	eldoLED DALI 6 log <1% min										
15LM		1500 lumens	50D			50° beam												
20LM		2000 lumens			60D20D	60° x 20°	EDABT8	eldoLED DALI 8 log <1% min										

Adjustable Trim	Reflector Finish	Flange Style	Trim Lens Environment	Ceiling Installation
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) Flangeless ⁸ FM Flangeless	(blank) Open Damp Location WET ⁹ Clear Wet Location	Flanged (blank) Ceiling Thickness < 0.875" CTA3/125 Ceiling Thickness 0.875" - 1.25" CTA3/163 Ceiling Thickness 1.25" - 1.625" Flangeless (Gypsum) FMA3/087 Ceiling Thickness < 0.875" FMA3/125 Ceiling Thickness 0.875" - 1.25" FMA3/163 Ceiling Thickness 1.25" - 1.625" Flangeless (Wood Stone Tile) ¹⁰ SFM3/087 (B,W) Ceiling Thickness < 0.875" SFM3/125 (B,W) Ceiling Thickness 0.875" - 1.25" SFM3/163 (B,W) Ceiling Thickness 1.25" - 1.625"
Bevels 3ABV Bevel Adjustable  3SHABV Dead Front, Non Conductive Shower Bevel Adjustable  Pinholes 3APIN 1 1/4" Pinhole Adjustable  3APINLG 1 3/4" Pinhole Adjustable 	Upper Reflector (Shield) Finish BS Black Specular BD Black Diffuse	Trim Finish & Flange Style Flanged WHSF White, Flanged BLSF Black, Flanged Flangeless ⁸ WHFM White, Flangeless BLFM Black, Flangeless	(blank) Open Damp Location WET Solite Wet Location	



REFLECTOR FINISHES

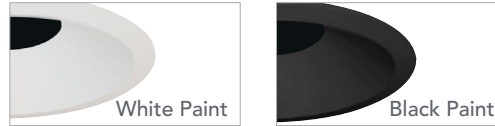


BEVEL & PINHOLE FINISHES

Upper Reflector Finish



Trim Finish



ORDERING NOTES

- 30LM not available with LPA
- 90CRI and 95CRI available on 27K and 30K only. Contact factory for other CCT/CRI combinations.
- For WDIM, 12D only available with 08LM; 15D only available with 12LM; 20D only available with 15LM
- MVOLT standard on GZ1, EZ1, EZB, ECOD, EDXB, EDAB, EDABT8, NLT (unless NLIGHT). Must be 120 for FPC.
- CP or ICAT not available with LPA at 25LM; not available with A at 30LM; not available with 15LM WDIM or 20LM TUWH
- Must specify 120 or 277 volts for NLIGHT; MVOLT for NLT. NLIGHT only available with EZ1 or EZB (for static white) or GZ1 (for warmDim). NLT and NLIGHT not available with CP.
- E6WT20R not available with WDIM, TUWH, EDXB, CP, ICAT, or NLIGHT.
- Must specify FMA3 or SFM3 option.
- 3AC20 not available with WET.
- Specify finish: B = Black, W = White.

ACCESSORIES

Beam Control Lenses & Filters		Replacement Optics		Optional Installation Accessories	
DIFF 200	Diffuse Spread lens	Static White Optics		WarmDim Optics	
SOLITE 200	Solite Uniformity Lens	3AXOPT/12D	12° Beam	3AXWDOPT/12D	12° Beam
PRISM 200	Prismatic Lens	3AXOPT/20D	20° Beam	3AXWDOPT/15D	15° Beam
LSPREAD 200	Linear Spread Lens	3AXOPT/24D	24° Beam	3AXWDOPT/20D	20° Beam
HCLBL 200	Hexcell Louver	3AXOPT/30D	30° Beam	3AXWDOPT/24D	24° Beam
UVF 200	UV Filter Lens	3AXOPT/35D	35° Beam	3AXWDOPT/35D	35° Beam
DCCF 200 HAL4250	Daylight Blue Correction	3AXOPT/40D	40° Beam	3AXWDOPT/40D	40° Beam
		3AXOPT/45D	45° Beam	3AXWDOPT/50D	50° Beam
		3AXOPT/50D	50° Beam	3AXWDOPT/60D20D	60°x20° Beam
		3AXOPT/60D	60° Beam		
		3AXOPT/60D20D	60°x20° Beam	Tunable White Optics	
				3AXTWOPT/20D	20° Beam
				3AXTWOPT/24D	24° Beam
				3AXTWOPT/35D	35° Beam
				3AXTWOPT/40D	40° Beam
				3AXTWOPT/50D	50° Beam
				3AXTWOPT/60D20D	60°x20° Beam
				Bar Hangers	
				HB1	Juno Real Nail® 3 Bar Hangers
				HB26	26" C-Channel Bar Hangers
				HB50	50" C-Channel Bar Hangers
				LB27	27" Linear Bar Hangers
				<i>Note: Fixture supplied with Pro-VI™ Bar Hangers</i>	
				Emergency Inverter	
				IIS 35 HE	Up to 35W Remote Mount Micro Inverter (30LM Excluded)

PRODUCT SPECIFICATIONS

FIELD INTERCHANGEABLE LED LIGHT ENGINE

- Future proof and easy to maintain-serviceable from below the ceiling

Static White:

- <2SDCMBinning
- 2700K|3000K|3500K|4000KCCT
- 80+CRI available for all CCTs
- 90+CRI available for 2700K,3000K
- 95+ CRI (>90 R9) available for 2700K, 3000K

WarmDim:

- Proprietary WarmDim technology mimics halogen,with CCT shifting from 3000K to1800K when dimmed.
- <1SDCM Binning, 90+CRI

Tunable White:

- Tunable CCT range 5000K to 2700K
- <2 SDCM Binning, 90+ CRI

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). Static White fixtures accommodate up to three (3) beam control lenses and/or filters for AX3 A and up to two (2) for AX3 LPA. WarmDim and Tunable White fixtures accommodate up to two (2) 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](#)

ACU-AIM™ PRECISION AIMING

- Precision Geared hot-aiming via Philips screwdriver
- 370° horizontal, 45° vertical aiming
- Optimized center beam optics translates center of the beam through the center of the aperture for maximum efficiency and low aperture brightness
- Numeric indicator marks allow contractor to pre-aim fixtures

HIGH QUALITY TRIMS

- Available with die cast bevels and pinholes and spun, aluminum reflectors.
- Non-corrosive, polycarbonate bevel option for shower applications
- Available in Self Flanged and Flangeless
- Must specify FMA3 for gypsum flangeless installation
- Must specify SMF3 for wood, stone, tile flangeless installation

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 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>

EMERGENCY BATTERY

- Provides a minimum of 600 lumens (3AC, 3000K, 80CRI) for minimum duration of 90 minutes.
- Accessible below ceiling for simple service; Self-Testing
- Supplied with Class-2 plenum rated remote test switch
- CEC T20 Compliant

NEW CONSTRUCTION MOUNTING

- Features patented (US Patent 8,038,113) Pro-VI™ bar hanger system compatible with wood stud and T-bar
- Includes vertically adjustable mounting brackets (butterfly brackets) *Excluding 25LM ICAT housings
- Centerline indicators on plaster frame and patented (US Patent 8,277,090) Tru-Line™ Platform featuring +/- 1/2" translation aids fixture alignment after installation, prior to finishing the ceiling.

JUNCTION BOX

- ICAT Rated for (4) No. 12 AWG 90°C through branch circuit conductors.
- Includes (6) 1/2", (1) 3/4", (4) Non-metallic sheathed cable knock-outs.
- Push-in electrical connectors for field connections.

CODES & LABELS

- UL & cUL listed for through branch wiring, damp location
- Meets energy code Air Leakage requirements per ASTM E283
- ENERGY STAR® certified with select trims and housings
- Can be used to comply with Title 24, Part 6 with select trims and housings. Reference T24 JA-8 database for list of compliant housings and trims.
- Static White ICAT housings* are rated for direct contact with insulation, including open and closed cell spray foam with a maximum R-value of 7.2R/in. This allows use in ceiling cavities insulated up to R60. WDIM and TUWH ICAT housings* are rated for direct contact with insulation, including open cell spray foam with a maximum R-value of 3.8R/in. They are not suitable for use with closed cell spray foam. *Note: Options: "25LM ICAT", "15LM TUWH ICAT", "ECOD", "EDXB", & "NLIGHT" are excluded and not suitable for use with spray foam insulation.
- 3SHABV option can be used to comply with dead front and/or non-conductive lighting electrical code requirements. Flanged (SF) version is certified to IP65
- Union made

CEILING THICKNESS

- Accommodates 1/2" to 1.625" ceiling thickness

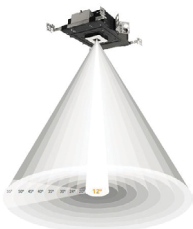
A+ CAPABLE LUMINAIRE

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



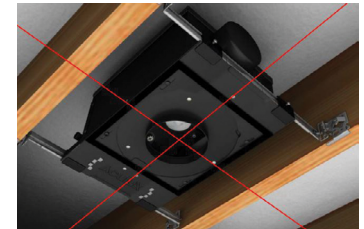
Smooth, striation-free beams with field-interchangeable TIR optics from 12° to 60°

Acu-Aim™ Precision Aiming



Precision geared hot-aiming is effortless. Centerbeam optics results in lower aperture brightness

Tru-Line™ Precision Installation



Pro-VI™ bar hangers, coupled with +/-1/2" aperture translation makes perfect installation achievable

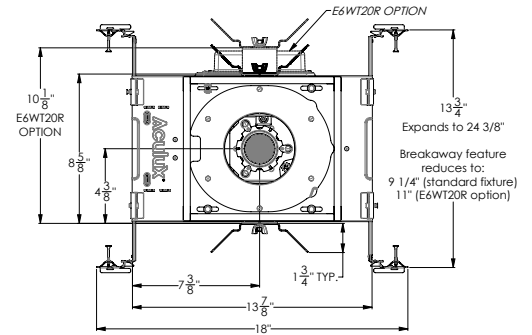
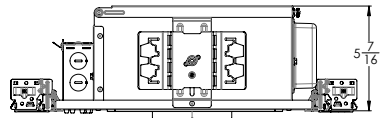
DIMENSIONS

Ceiling Cutout: 4-1/4" (Refer to installation instructions for flangeless ceiling cutout)

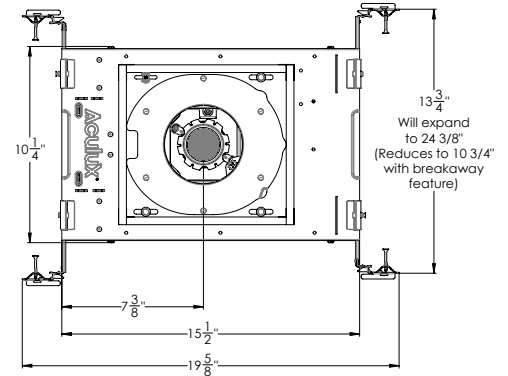
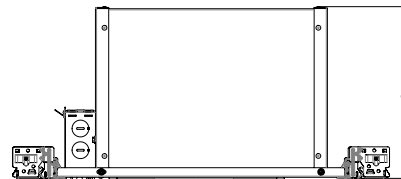
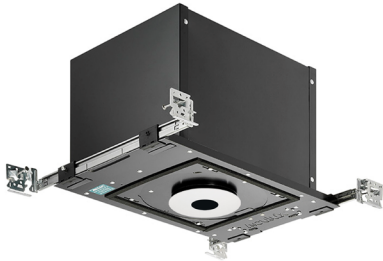
New Construction Adjustable (AX3 A)

ICAT/Non-ICAT: 08LM | 12LM | 15LM | 20LM

Non-ICAT: 25LM | 30LM



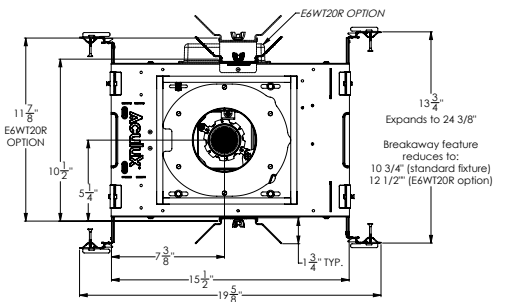
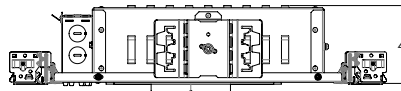
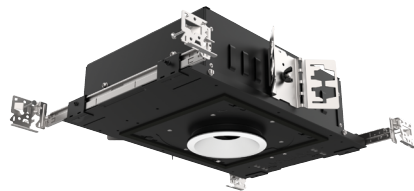
ICAT: 25LM



Low Profile New Construction Adjustable (AX3 LPA)

ICAT/Non-ICAT: 08LM | 12LM | 15LM | 20LM

Non-ICAT: 25LM



ELECTRICAL SPECIFICATIONS

Static White

LUMEN PACKAGE	08LM	12LM	15LM	20LM	25LM	30LM
Voltage	120 277	120 277	120 277	120 277	120 277	120 277
Input Watts	7.0 7.6	11.0 12.0	13.8 14.6	19.7 20.2	25.8 26.3	32.9 33.3
Input Current	0.03 0.06	0.09 0.05	0.12 0.06	0.17 0.08	0.22 0.10	0.28 0.13
Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Power Factor	0.9 MIN.	0.9 MIN.	0.9 MIN.	0.9 MIN.	0.9 MIN.	0.9 MIN.

WarmDim

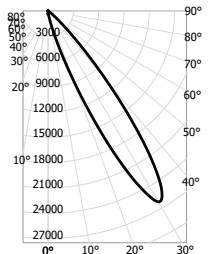
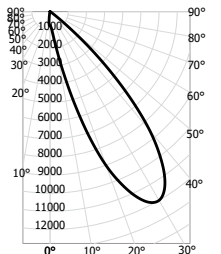
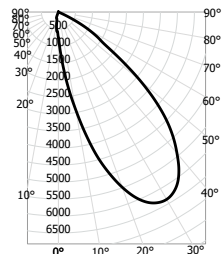
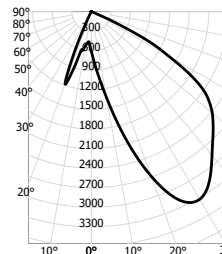
08LM	12LM	15LM
120 277	120 277	120 277
14.1 14.5	20.0 20.3	25.8 25.9
0.12 0.05	0.17 0.08	0.22 0.10
50/60 Hz	50/60 Hz	50/60 Hz
0.9 MIN.	0.9 MIN.	0.9 MIN.

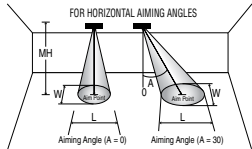
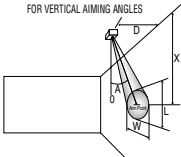




Tunable White

08LM	12LM	15LM	20LM
120 277	120 277	120 277	120 277
12.1 12.8	18.4 18.9	21.1 21.6	31.0 31.0
0.10 0.05	0.15 0.07	0.18 0.08	0.26 0.11
50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
0.9 MIN.	0.9 MIN.	0.9 MIN.	0.9 MIN.

PHOTOMETRICS (@ 30° TILT) - 3AC

Tested in accordance to IESNA LM79

12 Degree Beam	24 Degree Beam	35 Degree Beam	50 Degree Beam																																																																																																																																				
AX3 G4 30LM 30K 80CRI 12D E21 MVOLT + 3AC CS 3000K LEDs, input watts: 32.9, delivered lumens: 2829, LM/W = 86.0, test no. PT02182802	AX3 G4 30LM 30K 80CRI 24D E21 MVOLT + 3AC CS 3000K LEDs, input watts: 32.9, delivered lumens: 2850, LM/W = 86.6, test no. PT02182813	AX3 G4 30LM 30K 80CRI 35D E21 MVOLT + 3AC CS 3000K LEDs, input watts: 32.9, delivered lumens: 2883, LM/W = 87.6, test no. PT03180124	AX3 G4 30LM 30K 80CRI 50D E21 MVOLT + 3AC CS 3000K LEDs, input watts: 32.9, delivered lumens: 2473, LM/W = 75.2, test no. PT03180135																																																																																																																																				
 <p>CP Summary</p> <table><tr><th>0°</th><th>5°</th><th>15°</th><th>25°</th><th>35°</th><th>45°</th><th>55°</th><th>65°</th><th>75°</th><th>85°</th><th>90°</th></tr><tr><td>0°</td><td>335</td><td>5°</td><td>387</td><td>15°</td><td>3073</td><td>25°</td><td>18759</td><td>35°</td><td>21222</td><td>45°</td><td>3674</td><td>55°</td><td>147</td><td>65°</td><td>2</td><td>75°</td><td>0</td><td>85°</td><td>0</td><td>90°</td><td>0</td></tr></table>	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°	0°	335	5°	387	15°	3073	25°	18759	35°	21222	45°	3674	55°	147	65°	2	75°	0	85°	0	90°	0	 <p>CP Summary</p> <table><tr><th>0°</th><th>5°</th><th>15°</th><th>25°</th><th>35°</th><th>45°</th><th>55°</th><th>65°</th><th>75°</th><th>85°</th><th>90°</th></tr><tr><td>0°</td><td>746</td><td>5°</td><td>956</td><td>15°</td><td>5336</td><td>25°</td><td>11243</td><td>35°</td><td>10982</td><td>45°</td><td>4869</td><td>55°</td><td>193</td><td>65°</td><td>3</td><td>75°</td><td>0</td><td>85°</td><td>0</td><td>90°</td><td>0</td></tr></table>	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°	0°	746	5°	956	15°	5336	25°	11243	35°	10982	45°	4869	55°	193	65°	3	75°	0	85°	0	90°	0	 <p>CP Summary</p> <table><tr><th>0°</th><th>5°</th><th>15°</th><th>25°</th><th>35°</th><th>45°</th><th>55°</th><th>65°</th><th>75°</th><th>85°</th><th>90°</th></tr><tr><td>0°</td><td>756</td><td>5°</td><td>1626</td><td>15°</td><td>4386</td><td>25°</td><td>6173</td><td>35°</td><td>6116</td><td>45°</td><td>4492</td><td>55°</td><td>1667</td><td>65°</td><td>225</td><td>75°</td><td>0</td><td>85°</td><td>0</td><td>90°</td><td>0</td></tr></table>	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°	0°	756	5°	1626	15°	4386	25°	6173	35°	6116	45°	4492	55°	1667	65°	225	75°	0	85°	0	90°	0	 <p>CP Summary</p> <table><tr><th>0°</th><th>5°</th><th>15°</th><th>25°</th><th>35°</th><th>45°</th><th>55°</th><th>65°</th><th>75°</th><th>85°</th><th>90°</th></tr><tr><td>0°</td><td>616</td><td>5°</td><td>895</td><td>15°</td><td>2006</td><td>25°</td><td>3188</td><td>35°</td><td>3159</td><td>45°</td><td>2640</td><td>55°</td><td>2100</td><td>65°</td><td>465</td><td>75°</td><td>1</td><td>85°</td><td>0</td><td>90°</td><td>0</td></tr></table>	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°	0°	616	5°	895	15°	2006	25°	3188	35°	3159	45°	2640	55°	2100	65°	465	75°	1	85°	0	90°	0
0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°																																																																																																																													
0°	335	5°	387	15°	3073	25°	18759	35°	21222	45°	3674	55°	147	65°	2	75°	0	85°	0	90°	0																																																																																																																		
0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°																																																																																																																													
0°	746	5°	956	15°	5336	25°	11243	35°	10982	45°	4869	55°	193	65°	3	75°	0	85°	0	90°	0																																																																																																																		
0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°																																																																																																																													
0°	756	5°	1626	15°	4386	25°	6173	35°	6116	45°	4492	55°	1667	65°	225	75°	0	85°	0	90°	0																																																																																																																		
0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°																																																																																																																													
0°	616	5°	895	15°	2006	25°	3188	35°	3159	45°	2640	55°	2100	65°	465	75°	1	85°	0	90°	0																																																																																																																		

Measured 30LM 30K 80 CRI		 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
	26151	6	726	1.8	1.8	472	2.4	2.0	3	363	5.2	3.7	1.8	1027	3.0	1.8	1.2
		8	409	2.3	2.3	265	3.1	2.7	4	204	6.9	5.0	2.3	578	4.0	2.4	1.7
		10	262	2.9	2.9	170	3.9	3.4	5	131	8.7	6.2	2.9	370	5.0	3.0	2.1
		12	182	3.5	3.5	118	4.7	4.0	6	91	10.4	7.5	3.5	257	6.0	3.6	2.5
		14	133	4.1	4.1	87	5.5	4.7	7	67	12.1	8.7	4.1	189	7.0	4.2	2.9
	12004	4	750	2.0	2.0	487	2.7	2.3	2	375	3.5	4.8	2.0	1061	2.0	2.1	1.4
		6	333	3.0	3.0	217	4.0	3.4	3	167	5.2	7.2	3.0	472	3.0	3.2	2.1
		8	188	3.9	3.9	122	5.4	4.6	4	94	6.9	9.6	3.9	265	4.0	4.2	2.8
		10	120	4.9	4.9	78	6.7	5.7	5	60	8.7	12.1	4.9	170	5.0	5.3	3.5
		12	83	5.9	5.9	54	8.1	6.8	6	42	10.4	14.5	5.9	118	6.0	6.3	4.2
	6365	4	398	2.8	2.8	258	3.9	3.3	2	199	3.5	9.1	2.8	563	2.0	3.2	2.0
		6	177	4.2	4.2	115	5.9	4.9	3	88	5.2	13.6	4.2	250	3.0	4.9	3.0
		8	99	5.7	5.7	65	7.9	6.5	4	50	6.9	18.2	5.7	141	4.0	6.5	4.0
		10	64	7.1	7.1	41	9.9	8.2	5	32	8.7	22.7	7.1	90	5.0	8.1	5.0
		12	44	8.5	8.5	29	11.8	9.8	6	22	10.4	27.2	8.5	63	6.0	9.7	6.0
	3323	4	208	3.4	3.4	135	4.8	3.9	2	104	3.5	14.4	3.4	294	2.0	4.1	2.4
		6	92	5.1	5.1	60	7.2	5.8	3	46	5.2	21.6	5.1	131	3.0	6.1	3.6
		8	52	6.7	6.7	34	9.6	7.8	4	26	6.9	28.9	6.7	73	4.0	8.2	4.8
		10	33	8.4	8.4	22	11.9	9.7	5	17	8.7	36.1	8.4	47	5.0	10.2	6.0
		12	23	10.1	10.1	15	14.3	11.7	6	12	10.4	43.3	10.1	33	6.0	12.3	7.2

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°).

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

LUMEN | CBCP MULTIPLIERS

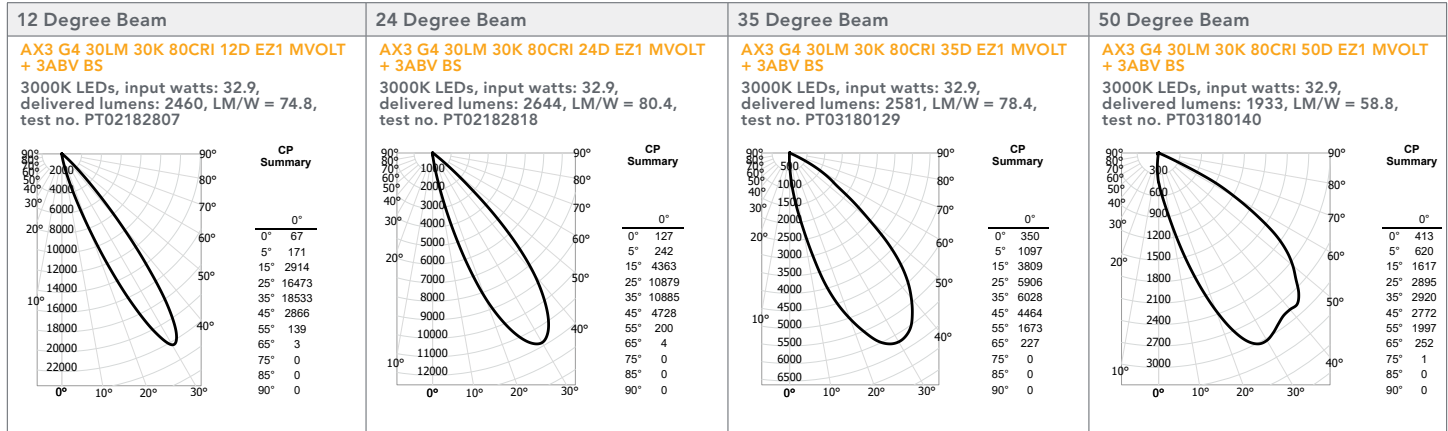
CCT	80+ CRI	90+ CRI	95+ CRI
2700K	1.00	0.86	0.65
3000K	1.00	0.88	0.69
3500K	1.05	-	-
4000K	1.07	-	-

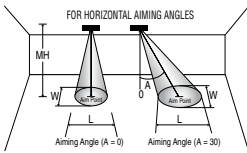
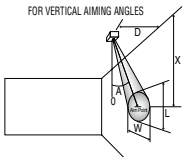




08LM	12LM	15LM	20LM	25LM	30LM
0.27	0.40	0.50	0.70	0.87	1.0

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

PHOTOMETRICS (@ 30° TILT) - 3ABV

Tested in accordance to IESNA LM79



Measured 30LM 30K 80 CRI																	
		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
	22291	6	619	1.8	1.8	402	2.4	2.1	3	310	5.2	3.8	1.8	876	3.0	1.8	1.3
		8	348	2.4	2.4	226	3.2	2.8	4	174	6.9	5.1	2.4	493	4.0	2.4	1.7
		10	223	3.0	3.0	145	4.0	3.5	5	111	8.7	6.4	3.0	315	5.0	3.1	2.1
		12	155	3.6	3.6	101	4.8	4.1	6	77	10.4	7.7	3.6	219	6.0	3.7	2.5
		14	114	4.2	4.2	74	5.6	4.8	7	57	12.1	9.0	4.2	161	7.0	4.3	3.0
	11818	4	739	1.9	1.9	480	2.6	2.2	2	369	3.5	4.6	1.9	1045	2.0	2.0	1.3
		6	328	2.8	2.8	213	3.9	3.3	3	164	5.2	6.9	2.8	464	3.0	3.0	2.0
		8	185	3.8	3.8	120	5.2	4.4	4	92	6.9	9.1	3.8	261	4.0	4.0	2.7
		10	118	4.7	4.7	77	6.4	5.5	5	59	8.7	11.4	4.7	167	5.0	5.0	3.4
		12	82	5.7	5.7	53	7.7	6.6	6	41	10.4	13.7	5.7	116	6.0	6.0	4.0
	6216	4	389	2.6	2.6	252	3.6	3.0	2	194	3.5	7.8	2.6	549	2.0	3.0	1.9
		6	173	4.0	4.0	112	5.5	4.6	3	86	5.2	11.7	4.0	244	3.0	4.4	2.8
		8	97	5.3	5.3	63	7.3	6.1	4	49	6.9	15.7	5.3	137	4.0	5.9	3.7
		10	62	6.6	6.6	40	9.1	7.6	5	31	8.7	19.6	6.6	88	5.0	7.4	4.7
		12	43	7.9	7.9	28	10.9	9.1	6	22	10.4	23.5	7.9	61	6.0	8.9	5.6
	3028	4	189	3.2	3.2	123	4.6	3.7	2	95	3.5	12.7	3.2	268	2.0	3.9	2.3
		6	84	4.8	4.8	55	6.8	5.6	3	42	5.2	19.0	4.8	119	3.0	5.8	3.4
		8	47	6.5	6.5	31	9.1	7.5	4	24	6.9	25.3	6.5	67	4.0	7.7	4.6
		10	30	8.1	8.1	20	11.4	9.3	5	15	8.7	31.7	8.1	43	5.0	9.7	5.7
		12	21	9.7	9.7	14	13.7	11.2	6	11	10.4	38.0	9.7	30	6.0	11.6	6.9

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°).

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	20LM	25LM	30LM
0.27	0.40	0.50	0.70	0.87	1.0

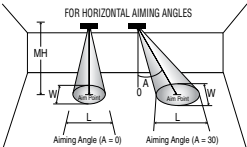
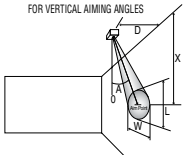




*Refer to website for additional photometry (alternate trims, CCT/CRI, lumen packages)



PHOTOMETRICS (@ 30° TILT) - 3APIN

Tested in accordance to IESNA LM79

12 Degree Beam	24 Degree Beam	35 Degree Beam	50 Degree Beam																																																																																																
AX3 G4 30LM 30K 80CRI 12D E21 MVOLT + 3APIN BS 3000K LEDs, input watts: 32.9, delivered lumens: 1589, LM/W = 48.3, test no. PT02182805	AX3 G4 30LM 30K 80CRI 24D E21 MVOLT + 3APIN BS 3000K LEDs, input watts: 32.9, delivered lumens: 1772, LM/W = 53.9, test no. PT02182816	AX3 G4 30LM 30K 80CRI 35D E21 MVOLT + 3APIN BS 3000K LEDs, input watts: 32.9, delivered lumens: 1798, LM/W = 54.7, test no. PT03180127	AX3 G4 30LM 30K 80CRI 50D E21 MVOLT + 3APIN BS 3000K LEDs, input watts: 32.9, delivered lumens: 999, LM/W = 30.4, test no. PT03180138																																																																																																
<p>CP Summary</p> <table><tr><th></th><th>0°</th></tr><tr><td>0°</td><td>26</td></tr><tr><td>5°</td><td>117</td></tr><tr><td>15°</td><td>2700</td></tr><tr><td>25°</td><td>13518</td></tr><tr><td>35°</td><td>11449</td></tr><tr><td>45°</td><td>720</td></tr><tr><td>55°</td><td>6</td></tr><tr><td>65°</td><td>0</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>		0°	0°	26	5°	117	15°	2700	25°	13518	35°	11449	45°	720	55°	6	65°	0	75°	0	85°	0	90°	0	<p>CP Summary</p> <table><tr><th></th><th>0°</th></tr><tr><td>0°</td><td>55</td></tr><tr><td>5°</td><td>123</td></tr><tr><td>15°</td><td>2477</td></tr><tr><td>25°</td><td>10025</td></tr><tr><td>35°</td><td>9380</td></tr><tr><td>45°</td><td>3410</td></tr><tr><td>55°</td><td>83</td></tr><tr><td>65°</td><td>0</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>		0°	0°	55	5°	123	15°	2477	25°	10025	35°	9380	45°	3410	55°	83	65°	0	75°	0	85°	0	90°	0	<p>CP Summary</p> <table><tr><th></th><th>0°</th></tr><tr><td>0°</td><td>315</td></tr><tr><td>5°</td><td>1002</td></tr><tr><td>15°</td><td>3221</td></tr><tr><td>25°</td><td>5968</td></tr><tr><td>35°</td><td>5514</td></tr><tr><td>45°</td><td>2318</td></tr><tr><td>55°</td><td>332</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>		0°	0°	315	5°	1002	15°	3221	25°	5968	35°	5514	45°	2318	55°	332	65°	1	75°	0	85°	0	90°	0	<p>CP Summary</p> <table><tr><th></th><th>0°</th></tr><tr><td>0°</td><td>17</td></tr><tr><td>5°</td><td>200</td></tr><tr><td>15°</td><td>1167</td></tr><tr><td>25°</td><td>2802</td></tr><tr><td>35°</td><td>2955</td></tr><tr><td>45°</td><td>1868</td></tr><tr><td>55°</td><td>322</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>		0°	0°	17	5°	200	15°	1167	25°	2802	35°	2955	45°	1868	55°	322	65°	1	75°	0	85°	0	90°	0
	0°																																																																																																		
0°	26																																																																																																		
5°	117																																																																																																		
15°	2700																																																																																																		
25°	13518																																																																																																		
35°	11449																																																																																																		
45°	720																																																																																																		
55°	6																																																																																																		
65°	0																																																																																																		
75°	0																																																																																																		
85°	0																																																																																																		
90°	0																																																																																																		
	0°																																																																																																		
0°	55																																																																																																		
5°	123																																																																																																		
15°	2477																																																																																																		
25°	10025																																																																																																		
35°	9380																																																																																																		
45°	3410																																																																																																		
55°	83																																																																																																		
65°	0																																																																																																		
75°	0																																																																																																		
85°	0																																																																																																		
90°	0																																																																																																		
	0°																																																																																																		
0°	315																																																																																																		
5°	1002																																																																																																		
15°	3221																																																																																																		
25°	5968																																																																																																		
35°	5514																																																																																																		
45°	2318																																																																																																		
55°	332																																																																																																		
65°	1																																																																																																		
75°	0																																																																																																		
85°	0																																																																																																		
90°	0																																																																																																		
	0°																																																																																																		
0°	17																																																																																																		
5°	200																																																																																																		
15°	1167																																																																																																		
25°	2802																																																																																																		
35°	2955																																																																																																		
45°	1868																																																																																																		
55°	322																																																																																																		
65°	1																																																																																																		
75°	0																																																																																																		
85°	0																																																																																																		
90°	0																																																																																																		

Measured 30LM 30K 80 CRI		<div>FOR HORIZONTAL AIMING ANGLES</div> 							<div>FOR VERTICAL AIMING ANGLES</div> 								
		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
<div>12D</div> 	14185	6	394	2.0	2.0	256	2.7	2.3	3	197	5.2	4.4	2.0	557	3.0	2.1	1.4
		8	222	2.7	2.7	144	3.6	3.1	4	111	6.9	5.8	2.7	313	4.0	2.7	1.9
		10	142	3.3	3.3	92	4.5	3.8	5	71	8.7	7.3	3.3	201	5.0	3.4	2.4
		12	99	4.0	4.0	64	5.4	4.6	6	49	10.4	8.7	4.0	139	6.0	4.1	2.8
		14	72	4.7	4.7	47	6.3	5.4	7	36	12.1	10.2	4.7	102	7.0	4.8	3.3
<div>24D</div> 	11300	4	706	1.6	1.6	459	2.1	1.8	2	353	3.5	3.5	1.6	999	2.0	1.6	1.1
		6	314	2.4	2.4	204	3.2	2.7	3	157	5.2	5.3	2.4	444	3.0	2.4	1.7
		8	177	3.1	3.1	115	4.2	3.6	4	88	6.9	7.1	3.1	250	4.0	3.3	2.2
		10	113	3.9	3.9	73	5.3	4.5	5	57	8.7	8.9	3.9	160	5.0	4.1	2.8
		12	78	4.7	4.7	51	6.4	5.4	6	39	10.4	10.6	4.7	111	6.0	4.9	3.3
<div>35D</div> 	6235	4	390	1.9	1.9	253	2.6	2.2	2	195	3.5	4.6	1.9	551	2.0	2.0	1.4
		6	173	2.9	2.9	112	3.9	3.3	3	87	5.2	7.0	2.9	245	3.0	3.1	2.0
		8	97	3.8	3.8	63	5.2	4.4	4	49	6.9	9.3	3.8	138	4.0	4.1	2.7
		10	62	4.8	4.8	40	6.5	5.5	5	31	8.7	11.6	4.8	88	5.0	5.1	3.4
		12	43	5.8	5.8	28	7.8	6.7	6	22	10.4	13.9	5.8	61	6.0	6.1	4.1
<div>50D</div> 	3066	4	192	2.1	2.1	124	2.9	2.5	2	96	3.5	5.4	2.1	271	2.0	2.3	1.5
		6	85	3.2	3.2	55	4.4	3.7	3	43	5.2	8.2	3.2	120	3.0	3.5	2.3
		8	48	4.3	4.3	31	5.8	4.9	4	24	6.9	10.9	4.3	68	4.0	4.6	3.0
		10	31	5.3	5.3	20	7.3	6.2	5	15	8.7	13.6	5.3	43	5.0	5.8	3.8
		12	21	6.4	6.4	14	8.8	7.4	6	11	10.4	16.3	6.4	30	6.0	6.9	4.5

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°, 1.0 for 45°).
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	20LM	25LM	30LM
0.27	0.40	0.50	0.70	0.87	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 max 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

Static White

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

Static White

Manf.	Product Family	Series	Type	Min Light(%)
Lutron	LP	LP-RPM-4U	INC	5
Lutron	LP	LP-RPM-4A*	PHA	2
Lutron	GrafikEye QS	QSGRJ-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

*: Aculux recommended dimmers

WarmDim®

Manf.	Product Family	Series	Type	Min Light(%)
Sensor Switch	WPD	WPD*	INC	1
Leviton	Illmatech	IPM06-1LZ	MLV	3
Leviton	Illmatech	IPI06-1LZ	INC	2
Lutron	Diva	DVCL	INC	1
Leviton	SureSlide	6633*	INC	1
Leviton	SureSlide	6613*	MLV	1
Leviton	SureSlide	IPL06	INC	1
Control4	Forward phase dimmer	C4-FPD 120 FWD*	INC	1
Lutron	Diva	DVELV*	ELV	1
Lutron	Maestro	MAELV*	ELV	1
Lutron	Vive	MRF25-6ELV*	ELV	1
Lutron	Caseta	PD-5NE*	ELV	1
Leviton	Illumatech	IPE04	ELV	4
Lutron	Maestro	RRD-PRO REV	PHA	1
Control4	Phase Adaptive Dimmer	C4-APD 120*	PHA	1
Lutron	Maestro	RRD-PRO FWD*	PHA	1

WarmDim®

Manf.	Product Family	Series	Type	Min Light(%)
Acuity	nLight nSP5PCD ELV	nSP5PCD ELV*	ELV	1
Acuity	nLight nSP5PCD ELV	PCDM*	ELV	1
Acuity	Fresco LMPM	LMPM 2D 2L*	PHA	1
Lutron	LP	LP-RPM-4A *	PHA	1
Lutron	LP	LP-RPM-4U*	INC	1
Lutron	GrafikEye QS	Lutron PHPM-PA-120*	PHA	1
Lutron	GrafikEye QS	Lutron Grafik Eye QSGRJ-3P*	MLV	1
Lutron	HomeWorks QS	PHPM-PA-120*	PHA	1
Lutron	HomeWorks QS	HW-RPM-4A*	PHA	1
Legrand	Wattstopper	LMRC-221-U*	PHA	1
Control4	8 Ch Dimmer	C4-DIN-8DIM-E*	PHA	1
Crestron	Phase Adaptive Dimmer	6501748*	PHA	1

Static White, WarmDim®  & Tunable White 

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