



BAF SURFACE MOUNT LED PRISON GRADE



DESCRIPTION

The **BAF** combines maximum security construction and modern, energy saving technology. UL listed for damp locations; optional wet location under covered ceiling. This surface mounted luminaire utilizes a one-piece housing, security lensing and tamper-resistant fasteners to maximize impact resistance and prevent contraband concealment and unauthorized fixture penetration. The BAF is ideal for confinement/security applications. Suitable for use in inmate cells, mental health settings, secure corridors and general population areas.

FASTENERS: Stainless steel tamper-resistant T20 TORX screws are standard. Allen-head screws with center reject pin are optional. Both are available in white as an option.

ELECTRICAL SYSTEM: Electronic driver 0-10V 1% dimming standard. Long-life LED system rated for >100K hours (L70 @ 25°C). Complies with federal energy efficiency standards.

OPTICAL SYSTEM: Choice of prismatic acrylic, prismatic polycarbonate or prismatic tempered glass on fixture side, clear polycarbonate or clear tempered glass on environmental side. Lens secured by thru-studs and vertically adjustable internal CRS holddowns.

LISTINGS: UL listed for damp locations. Wet location option available.

FINISH: High gloss, electrostatically applied, white powder coat finish, average minimum reflectance 92%

HOUSING: Die-formed body in various material options with continuous welded and ground ends to form a one piece, seamless housing for maximum impact resistance and prevention of unauthorized fixture penetration.

LED: 80 CRI or 90 CRI LEDs available in 2700K, 3000K, 3500K, 4000K and 5000K. LED Life is >100,000 hours at 70% lumen maintenance.

DOOR: One-piece door frame with die-formed edges and tightly closed corners increases rigidity. Door gauge to match housing. Door is attached to the housing with stainless steel aircraft cables. Piano Hinge option available.

DOORFRAME GASKET: One-piece closed cell silicone gasket seals doorframe to housing for wet location option.

WARRANTY: 5-Year Limited Warranty. Complete warranty and terms located at: www.aelnow.com/warranty

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ORDERING INFORMATION:

Example: BAF12-30-SM-INS-B14-B14-156P-PA125-M-CD5-FZ

SERIES		CCT		OUTPUT		DOOR TYPE		HOUSING MATERIAL		DOOR MATERIAL		OUTER LENS	
BAF11	1x1	27	2700K	SL	Standard Low	INS	Inset Door	B14	14 Gauge Cold Roll Steel	B14	14 Gauge Cold Roll Steel	N	No Lens
BAF12	1x2	30	3000K	ML	Medium Low	OVL	Overlap Door	B16	16 Gauge Cold Roll Steel	B16	16 Gauge Cold Roll Steel	125P	.125 Clear Polycarbonate
BAF14	1x4	35	3500K	HL	High Low			B18	18 Gauge Cold Roll Steel	B18	18 Gauge Cold Roll Steel	156P	.156 Clear Polycarbonate
BAF22	2x2	40	4000K	SM	Standard Medium			B20	20 Gauge Cold Roll Steel	B20	20 Gauge Cold Roll Steel	187P	.187 Clear Polycarbonate
BAF24	2x4	50	5000K	MM	Medium Medium			SH14	14 Gauge Stainless Steel	SH14	14 Gauge Stainless Steel	250P	.250 Clear Polycarbonate
				HM	High Medium			SH16	16 Gauge Stainless Steel	SH16	16 Gauge Stainless Steel	375P	.375 Clear Polycarbonate
				SH	Standard High			SH18	18 Gauge Stainless Steel	SH18	18 Gauge Stainless Steel	CTG187	.187 Clear Tempered Glass
				HM	Medium High			SHB14	14 Gauge Stainless Steel (Brushed)	SHB14	14 Gauge Stainless Steel (Brushed)	CTG250	.250 Clear Tempered Glass
				HH	High High			SHB16	16 Gauge Stainless Steel (Brushed)	SHB16	16 Gauge Stainless Steel (Brushed)	CTG375	.375 Clear Tempered Glass
								SHB18	18 Gauge Stainless Steel (Brushed)	SHB18	18 Gauge Stainless Steel (Brushed)		
								ALH	.063" Aluminum	ALH	.063" Aluminum		

INNER LENS		VOLTAGE		DRIVER		OPTIONS	
N	No Lens	M	120/277V	BLANK	0-10V 1% Dimming Driver (included standard)	12EBL	1200 Lumen Emergency Ballast
PA125	.125 Prismatic Acrylic			CD5	0-10V 5% to Off Dimming Driver	AH	Allenhead Screws with center pin reject (STAINLESS)
PA156	.156 Prismatic Acrylic			EDN	Electronic Driver Non-Dimming	AHW	Allenhead Screws with center pin reject (WHITE)
FA	.125 Frosted Acrylic			FLDD	Fifth Light Dali, Dimming	TPW	Tamper-resistant T20 TORX screw (WHITE)
PP125	.125 Prismatic Polycarbonate			LDE1	Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology	LN	LED Night Light
PP187	.187 Prismatic Polycarbonate			LDE5	Lutron LDE5 5-Series Ecosystem 5% Dimming	FZ	Fuse Holder
CTG/PA	.156 Prismatic Tempered Glass					WL	Wet Location
SY	Symmetric Diffused DR Acrylic					90	90 CRI
						VDO	Lutron Vive Integral RF controller with daylight and occupancy sensing.
						AM	Anti-Microbial Paint

NOTES: *BAF1 - 1x1 & BAF12 - 1x2 only available up to HL - High Low *BAF14 - 1x4 & BAF22 - 2x2 only available up to HM - High Medium

Output	Delivered Lumens	System Wattage	L70 @20C (hrs)
SL	4650	33	>100K
ML	7974	57	>100K
HL	11150	80	>100K
SM	12040	86	>100K
MM	13016	93	>100K
HM	15728	112	>100K
SH	16500	118	>100K
MH	20000	143	>100K
HH	25000	179	>100K

Delivered Lumens shown were tested with 4000K LEDs

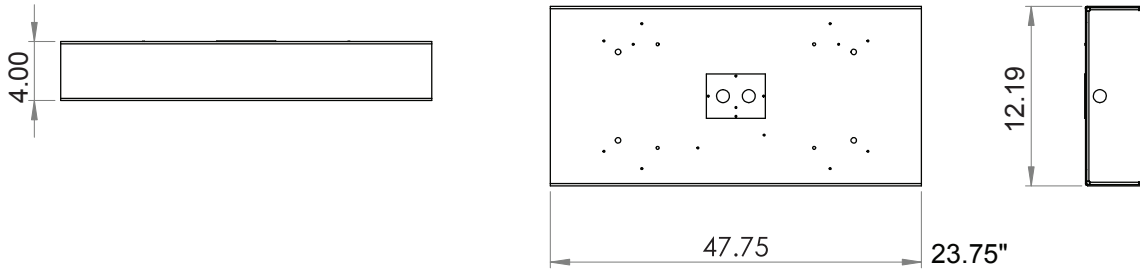
Approximate Color Temperature Multiplier

5000K	1.03
4000K	1
3500K	0.97
3000K	0.94
2700K	0.91

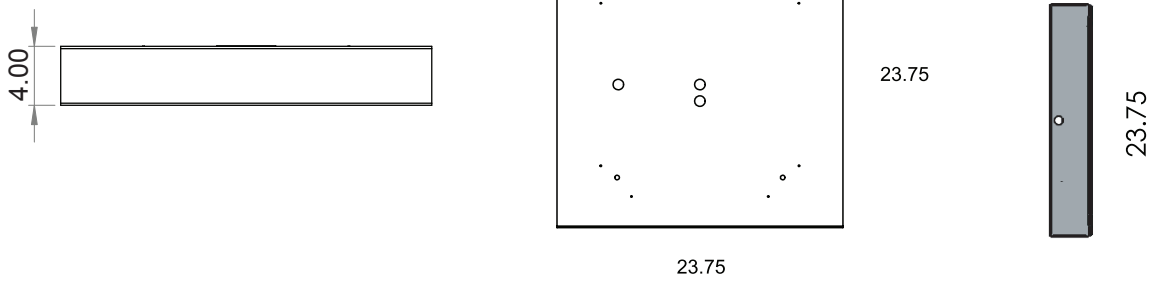
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DIMENSIONS

1X4



2X2



2X4

