



CATALOG #:

PROJECT:

TYPE:

BAF

**SURFACE
MOUNT LED
SECURITY GRADE**



Ligature Resistant



The **BAF** combines maximum security construction and modern, energy saving technology. 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, behavioral health, and a wide area of other applications. Suitable for use in inmate cells, behavioral health settings, secure corridors and general population areas.

FASTENERS: Stainless steel tamper-resistant T25 TORX screws with center pin 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 @ 20°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 holdowns.

LISTINGS: Designed for damp locations. Wet location option available. ETL Listed

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

HOUSING: Die formed, seam welded, and ground smooth frame with tightly closed corners (Specify material and gauge. Door material and gauge to match housing). If an overlap door is chosen, this unit will NOT be Ligature Resistant.

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 is attached to the housing with stainless steel aircraft cables. Piano Hinge option available.

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

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

Ordering Information on Next Page

ORDERING INFORMATION:

Example: BAF-12-30-4L-B18-B18-INS-N-187P-M

SERIES	SIZE	CCT	OUTPUT	HOUSING MATERIAL	DOOR MATERIAL
BAF	11 1x1	27 2700K	2L 2000 Lumens	B12 12 Gauge Cold Roll Steel	B12 12 Gauge Cold Roll Steel
	12 1x2	30 3000K	4L 4000 Lumens (Standard Low)	B14 14 Gauge Cold Roll Steel	B14 14 Gauge Cold Roll Steel
	14 1x4	35 3500K	7L 7000 Lumens (Medium Low)	B16 16 Gauge Cold Roll Steel	B16 16 Gauge Cold Roll Steel
	22 2x2	40 4000K	11L 11000 Lumens (High Low)	B18 18 Gauge Cold Roll Steel	B18 18 Gauge Cold Roll Steel
	24 2x4	50 5000K	12L 12000 Lumens (Standard Medium)	B20 20 Gauge Cold Roll Steel	SH14 14 Gauge Stainless Steel
			13L 13000 Lumens (Medium Medium)	SH14 14 Gauge Stainless Steel	SH16 16 Gauge Stainless Steel
			15L 15000 Lumens (High Medium)	SH16 16 Gauge Stainless Steel	SH18P 18 Gauge Stainless Steel (Painted)
			16L 16000 Lumens (Standard High)	SH18P 18 Gauge Stainless Steel (Painted)	SHB14 14 Gauge Stainless Steel (Brushed)
			20L 20000 Lumens (Medium High)	SHB14 14 Gauge Stainless Steel (Brushed)	SHB16 16 Gauge Stainless Steel (Brushed)
			25L 25000 Lumens (High High)	SHB16 16 Gauge Stainless Steel (Brushed)	SHB18 18 Gauge Stainless Steel (Brushed)
		30L 30000 Lumens	SHB18 18 Gauge Stainless Steel (Brushed)		
		XX Custom Lumens	ALH .063" Aluminum		

DOOR TYPE	INNER LENS	OUTER LENS	VOLTAGE	DRIVER
INS Inset Door	N No Lens	125P .125 Clear Polycarbonate	M 120/277VAC	BLANK 0-10V 1% Dimming Driver (included standard)
OVL Overlap Door*	PA125 .125 Prismatic Acrylic (inverted)	156P .156 Clear Polycarbonate	HV 347-480VAC	CD5 0-10V 5% to Off Dimming Driver
	PA156 .156 Prismatic Acrylic (inverted)	187P .187 Clear Polycarbonate		EDN Electronic Driver Non-Dimming
	FA .125 Frosted Acrylic	250P .250 Clear Polycarbonate		DALI 1% Dimming Driver
*NOT Ligature Resistant	PP125 .125 Prismatic Polycarbonate (inverted)	375P .375 Clear Polycarbonate		LDE1 Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology
	PP187 .187 Prismatic Polycarbonate (inverted)	500P .500 Clear Polycarbonate		
	SY Symmetric Diffused Frosted DR Acrylic	CTG187 .187 Clear Tempered Glass		
		CTG250 .250 Clear Tempered Glass		
		CTG375 .375 Clear Tempered Glass		
		CTG500 .500 Clear Tempered Glass		

OPTIONS

14EBL	14 Watt Emergency Ballast
AH	Allenhead Screws with center pin reject (STAINLESS)
AHW	Allenhead Screws with center pin reject (WHITE)
NL	LED Night Light
FZ	Fuse Holder
WL	Wet Location
90	90 CRI
VDO	Lutron Vive Integral RF controller with daylight and occupancy sensing.
AM	Anti-Microbial Paint
PH	16 Gauge Full Length Piano Hinge Door Frame

Other options and configurations are available. Consult factory for details.

Dimensions on Next Page

ENERGY AND PERFORMANCE DATA

INPUT VOLTAGE:	120/277VAC
SYSTEM INPUT POWER:	6.25 - 187.5 WATTS*
DELIVERED LUMEN OUTPUT:	1000 - 30000 LUMENS
STANDARD DIMMING CONTROL:	0-10V
CCT:	2700, 3000, 3500, 4000, 5000 KELVIN
CRI:	82 (MINIMUM)
LIFE TIME RATING:	>100,000 HRS @ L70
INPUT FREQUENCY:	50/60 HZ
POWER FACTOR:	>0.9
OPERATING TEMP:	-20° TO 60° C

APPROXIMATE COLOR TEMPERATURE MULTIPLIER

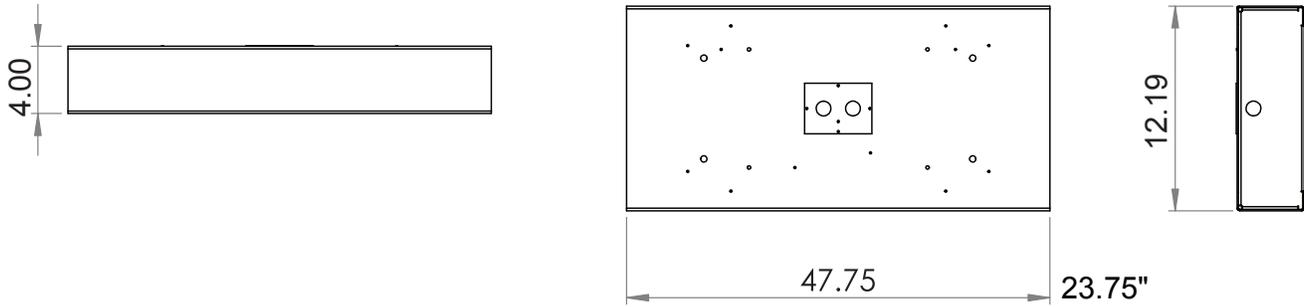
5000K	X	1.03
4000K	X	1
3500K	X	.97
3000K	X	.94
2700K	X	.91

Part#	Delivered Lumens	Watts	L70 @20C (hrs)
1L	1000 Lumens	6.25	>100K
2L	2000 Lumens	12.5	>100K
4L	4000 Lumens	18.8	>100K
7L	7000 Lumens	43.8	>100K
11L	11000 Lumens	68.8	>100K
12L	12000 Lumens	75.00	>100K
13L	13000 Lumens	81.3	>100K
15L	15000 Lumens	93.8	>100K
16L	16000 Lumens	100.0	>100K
20L	20000 Lumens	125.0	>100K
25L	25000 Lumens	156.2	>100K
30L	30000 Lumens	187.5	>100K

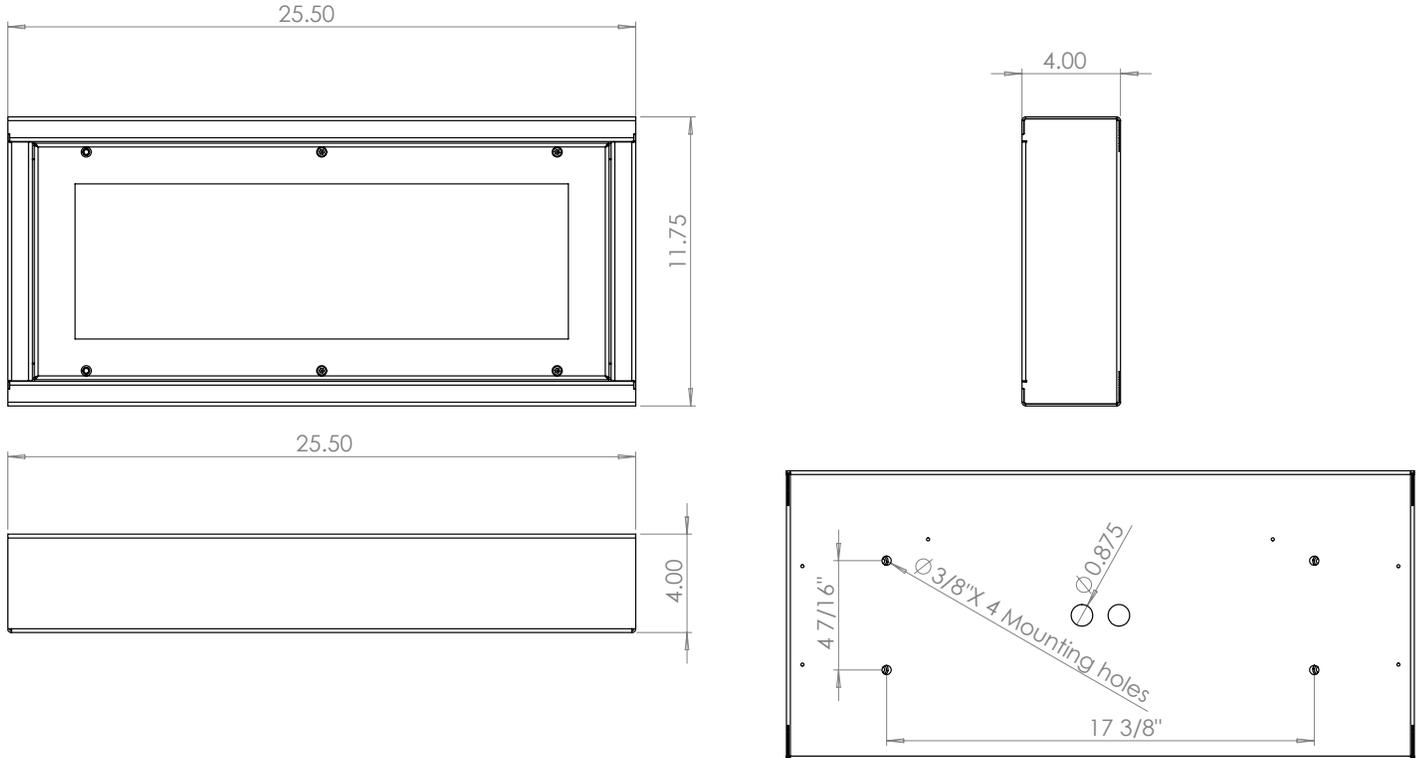
*ACTUAL WATTAGE MAY DIFFER BY ±5% WHILE OPERATING 120/277V ±10%

DIMENSIONS

1X4

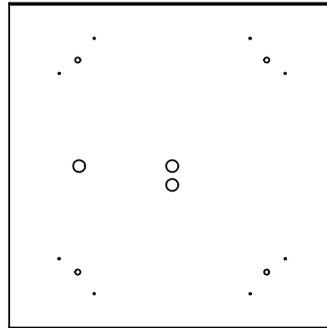
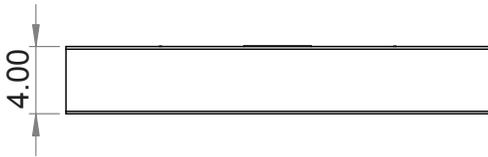


1x2



DIMENSIONS

2X2



23.75



23.75

2X4

