ADVANTAGE ENVIRONMENTAL LIGHTING

MADE IN THE USA

CATALOG #:

PROJECT:

TYPE:

BAF SURFACE MOUNT LED SECURITY GRADE

BASTILLE PRISON GRADE

BEHAVIORAL HEALTH + VANDAL PROOF

SAFE1 CERTIFIED

Anti-Ligature

IK07

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 @ 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: Designed for damp locations. Wet location option available. UL 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 anti-ligature.

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

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ORDERING INFORMATION:
Example: BAF-12-30-SM-INS-B14-B14-156P-PA125-M-CD5-FZ

SERIES

BAF

SIZE

11	1x1
12	1x2
14	1x4
22	2x2
24	2x4

CCT

27	2700K
30	3000K
35	3500K
40	4000K
50	5000K

OUTPUT

Custom / 2 ft. / 1 ft.

1L	1000 lm/ft
2L	2000 lm/ft
3L	3000 lm/ft
4L	4000 lm/ft
5L	5000 lm/ft
6L	6000 lm/ft
XXXL	Custom Lumens

HOUSING MATERIAL

B12	12 Gauge Coild Roll Steel
B14	14 Gauge Cold Roll Steel
B16	16 Gauge Cold Roll Steel
B18	18 Gauge Cold Roll Steel
B20	20 Gauge Cold Roll Steel
SH14	14 Gauge Stainless Steel
SH16	16 Gauge Stainless Steel
SH18P	18 Gauge Stainless Steel (Painted)
SHB14	14 Gauge Stainless Steel (Brushed)
SHB16	16 Gauge Stainless Steel (Brushed)
SHB18	18 Gauge Stainless Steel (Brushed)
ALH	.063" Aluminum

DOOR MATERIAL

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SHB18	18 Gauge Stainless Steel (Brushed)

DOOR TYPE

INS	Inset Door
OVL	Overlap Door*

**NOT anti-ligature*

INNER LENS

N	No Lens
PA125	.125 Prismatic Acrylic (inverted)
PA156	.156 Prismatic Acrylic (inverted)
FA	.125 Frosted Acrylic
PP125	.125 Prismatic Polycarbonate (inverted)
PP187	.187 Prismatic Polycarbonate (inverted)
SY	Symmetric Diffused Frosted DR Acrylic

OUTER LENS

125P	.125 Clear Polycarbonate
156P	.156 Clear Polycarbonate
187P	.187 Clear Polycarbonate
250P	.250 Clear Polycarbonate
375P	.375 Clear Polycarbonate
CTG187	.187 Clear Tempered Glass
CTG250	.250 Clear Tempered Glass
CTG375	.375 Clear Tempered Glass
CTG500	.500 Clear Tempered Glass

VOLTAGE

M	120/277VAC
HV	347-480VAC

DRIVER

BLANK	0-10V 1% Dimming Driver (included standard)
CD5	0-10V 5% to Off Dimming Driver
EDN	Electronic Driver Non-Dimming
DALI	1% Dimming Driver
LDE1	Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology

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:	6.9 - 41.6 WATTS*
DELIVERED LUMEN OUTPUT:	1000 - 6000 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:	-30° TO 50° C

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

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	6.9	>100K
2L	2000	13.9	>100K
3L	3000	20.8	>100K
4L	4000	27.7	>100K
5L	5000	34.7	>100K
6L	6000	41.6	>100K

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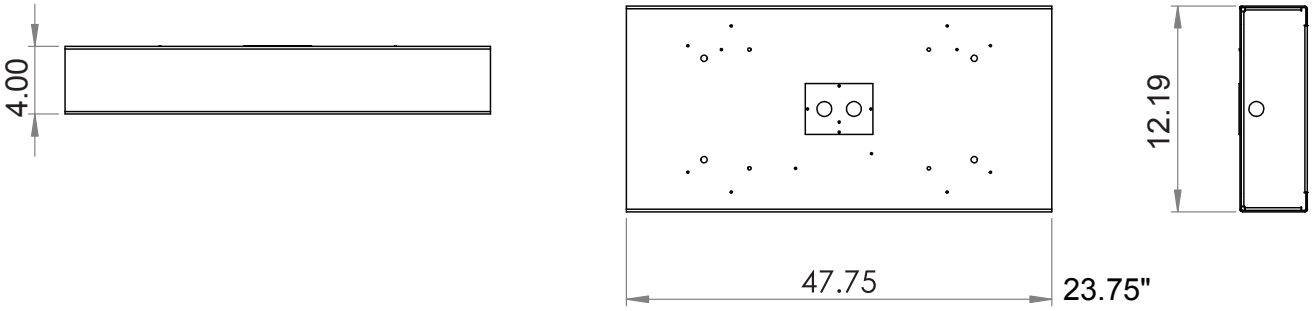
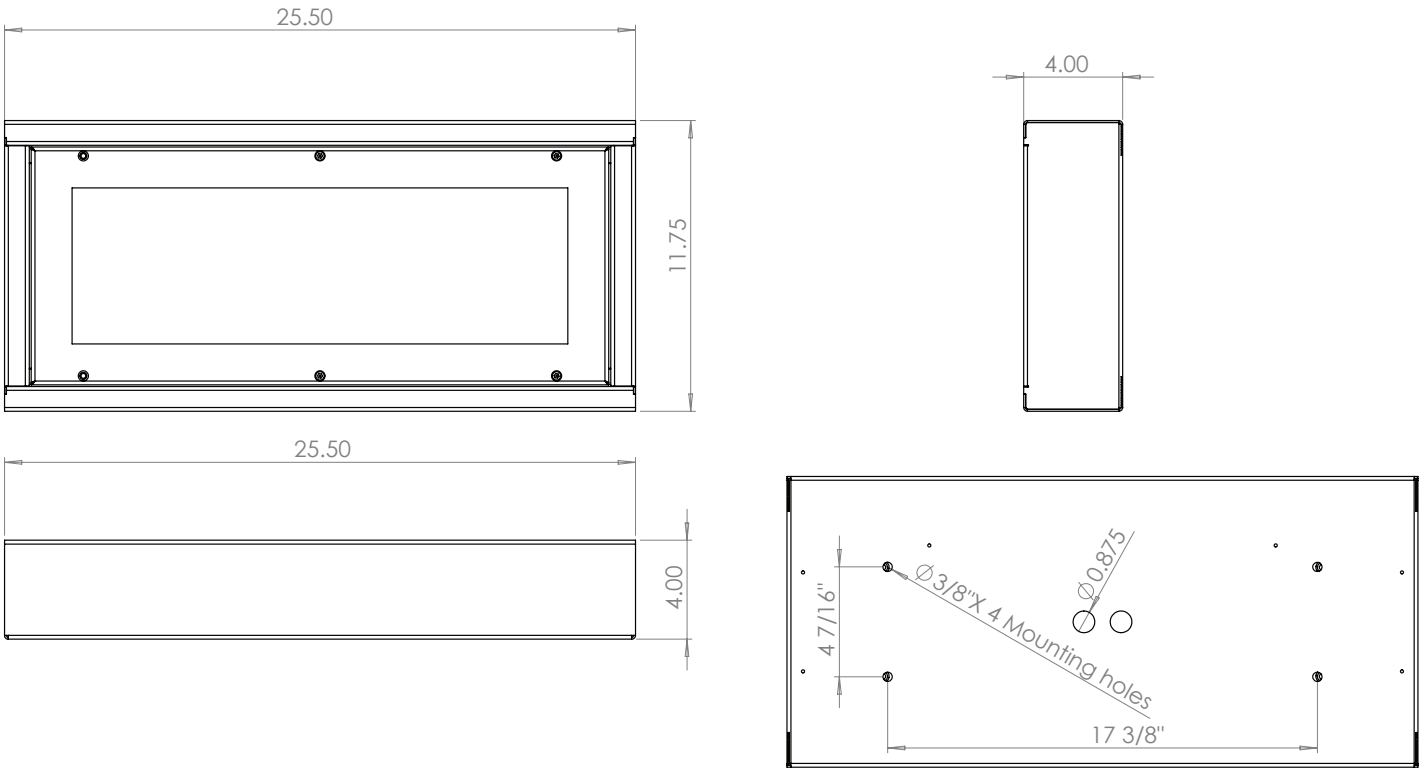
DIMENSIONS

1X4



1x2



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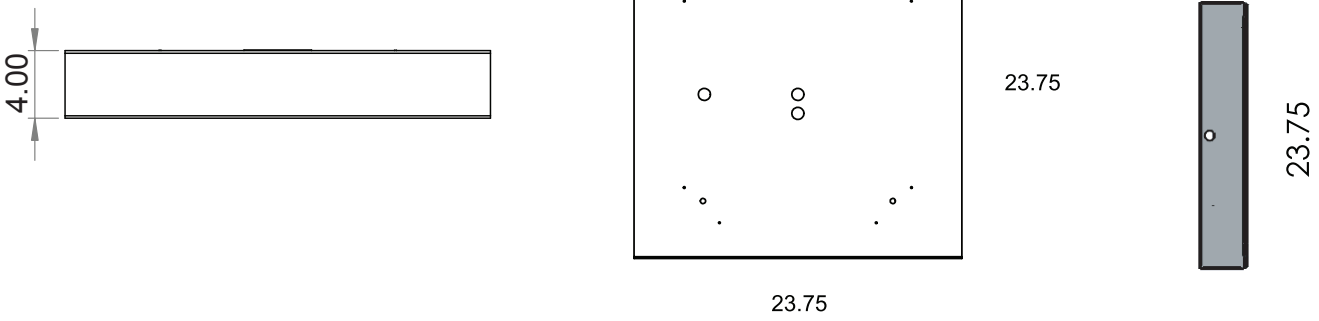
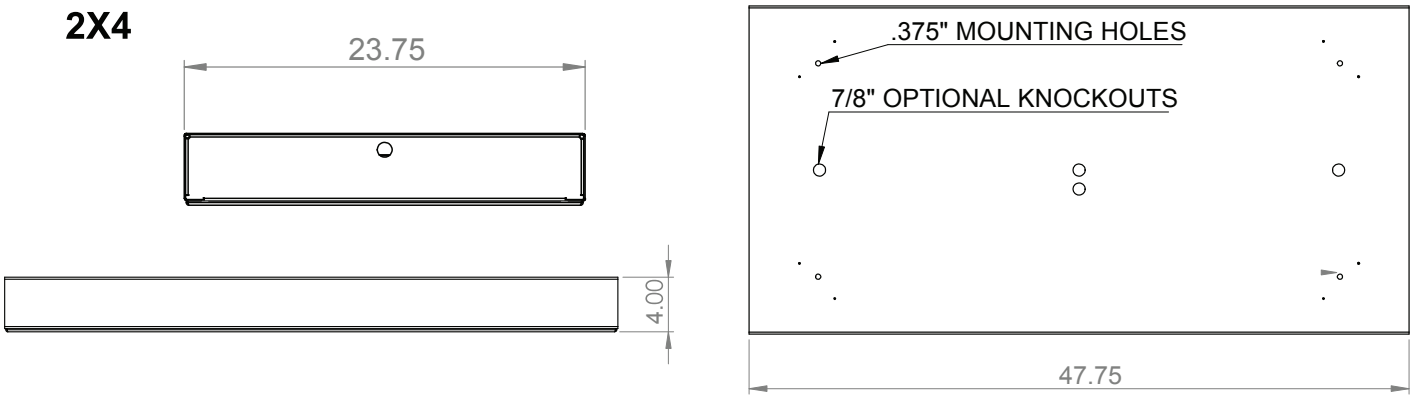
DIMENSIONS

2X2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