

BAAF Recessed Flanged LED Prison Grade



STANDARD

OPTIONAL



Approximate Color Temperature Multiplier	
5000K	1.03
4000K	1
3500K	0.97
3000K	0.94
2700K	0.91

Output	Delivered Lumens	System Wattage	L70 @20C (hrs)
L	2536	18	>100K
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 and ASR (asymmetric/symmetric grid) lens.

***NOTES:**

BAAF11 (1x1) only available up to SL - Standard Low
 BAAF12 (1x2) only available up to HL - High Low
 BAAF14 (1x4) only available up to HM - High Medium
 BAAF22 (2x2) only available up to HM - High Medium

DESCRIPTION

The BAAF is a specification grade maximum security recessed flanged luminaire. Designed and engineered for maximum security prison applications, the BAAF is available in 1x1, 1x2, 1x4, 2x2, and 2x4 sizes.

HOUSING

Die formed, seam welded, and ground smooth (specify material and gauge). Incorporates a removable reflector unitized with all electrical components for easy installation and maintenance. Die formed one-piece frame with tightly closed corners. (material and gauge to match housing).

DOORFRAME

Various doorframe materials available, available as Inset or Overlapping doorframe. Comes standard with a white TGIC polyester powder coat – 5-stage pre-treatment. Salt spray test: 1,000 hours; Reflectance: 92%. Doorframe secured to housing with stainless steel aircraft cables and tamper proof fasteners.

TAMPER-PROOF FASTENERS

Tamper resistant Torx head fasteners secure the doorframe to the housing. Allenhead screws with center pin reject 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

Lens per specification (see options) and secured by “Z” retainers with weld studs spaced six inches apart for maximum strength.

LISTINGS

IP65 with Wet Location Option. NSF = NSF2 listed (Non-Food, Splash Zone). UL listed for damp location. **Ligature resistant** design.

MOUNTING

Easy installation with adjustable 90° swing arm system standard for recessed flanged applications. Universal mounting for both flange and lay-in grid applications.

LED

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

WARRANTY

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

Series	CCT	illumination Level*	Housing
BAAF11 1x1	27 2700K	L Low	B12 Cold Roll 12 Gauge Steel
BAAF12 1x2	30 3000K	SL Standard Low	B14 Cold Roll 14 Gauge Steel
BAAF14 1x4	35 3500K	ML Medium Low	B16 Cold Roll 16 Gauge Steel
BAAF22 2x2	40 4000K	HL High Low	B18 Cold Roll 18 Gauge Steel
BAAF24 2x4	50 5000K	SM Standard Medium	B20 Cold Roll 20 Gauge Steel
		MM Medium Medium	SH14 Stainless Steel 14 Gauge
		HM High Medium	SH16 Stainless Steel 16 Gauge
		SH Standard High	SH18 Stainless Steel 18 Gauge
		MH Medium High	ALH .063" Aluminum
		HH High High	

SERIES NO. CONTINUED...

***NOTES:**

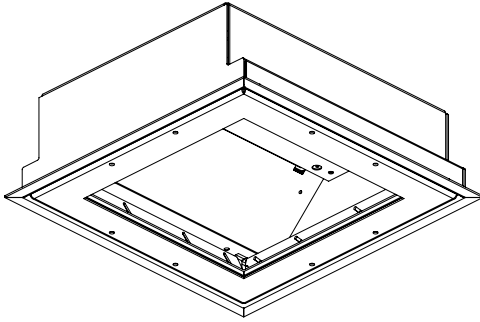
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Door	Door Type	Outer Lens	Inner Lens
B12 Cold Roll 12 Gauge Steel	INS Inset Doorframe	125P .125 Clear Polycarbonate	N No Lens
B14 Cold Roll 14 Gauge Steel	OVL Overlap Doorframe	156P .156 Clear Polycarbonate	PA125 .125 Prismatic Acrylic
B16 Cold Roll 16 Gauge Steel		187P .187 Clear Polycarbonate	PA156 .156 Prismatic Acrylic
B18 Cold Roll 18 Gauge Steel		250P .250 Clear Polycarbonate	PP125 .125 Prismatic Polycarbonate
SH14 Stainless Steel 14 Gauge		375P .375 Clear Polycarbonate	PP187 .187 Prismatic Polycarbonate
SH16 Stainless Steel 16 Gauge		CTG187 .187 Clear Tempered Glass	CTG/PA Clear Tempered Glass with Prismatic Acrylic Overlay
SH18 Stainless Steel 18 Gauge		CTG250 .250 Clear Tempered Glass	G2 .140 DR Acrylic
ALH .063" Aluminum		CTG375 .375 Clear Tempered Glass	WTP White Translucent Polycarbonate
			125P .125 Clear Polycarbonate
			156P .156 Clear Polycarbonate
			187P .187 Clear Polycarbonate
			SY Symmetric Diffused DR Acrylic

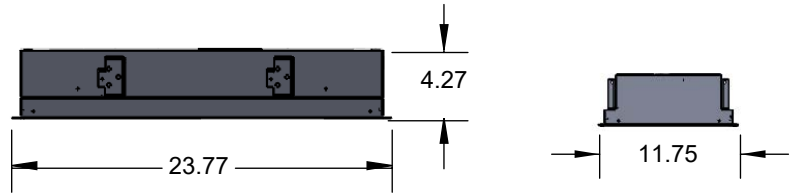
Voltage	Driver	Options
M 120/277V	BLANK 0-10V 1% Dimming Driver <i>(included standard)</i>	12EBL 1200 Lumen Emergency Ballast
	CD5 0-10V 5% to Off Dimming Driver	AH Allenhead Screws with center pin reject
	EDN Electronic Driver Non-Dimming	LN LED Night Light (Consult factory for available CCT)
	FLDD Fifth Light Dali, Dimming	FZ Fuse Holder
	LDE1 Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology	WL Wet Location
	LDE5 Lutron LDE5 5-Series Ecosystem 5% Dimming	UV .005 UV Absorbing Overlay
		PF Plaster Frame & Yoke
		CB Cross Bar
		90 90 CRI
		AM Antimicrobial White Paint
		VDO Lutron Vive Integral Fixture Control (RF with Daylight and Occupancy Sensing)
		FCJSO Lutron Vive Attached Fixture Control (RF Only for 0-10V Drivers)
		IPH* Internal Piano Hinge

*Internal Piano Hinge not available with Inset Door

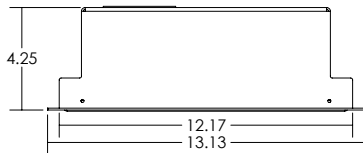
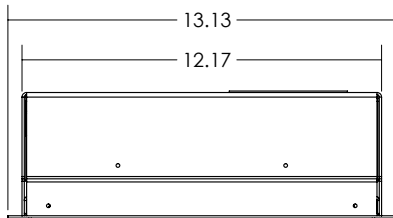
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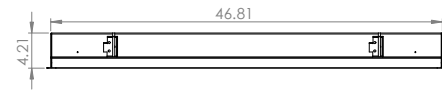
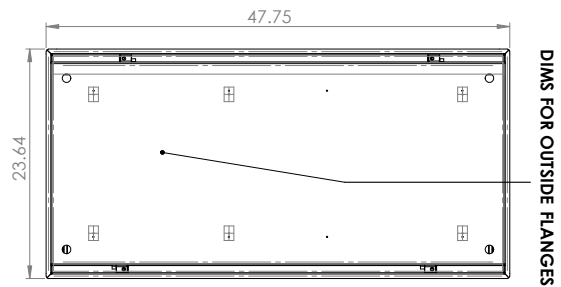
1x2



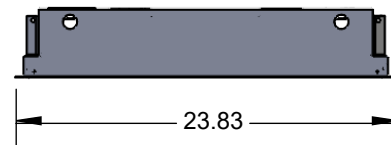
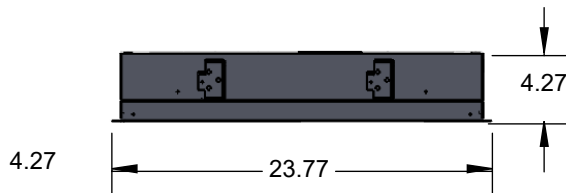
1x1



2x4



2x2



1x4

