BAH

LED Wall Mount Prison Grade

STANDARD

UL® | PROUDLY MADE IN USA | Anti Ligature

OPTIONAL

LUTRON®

10-5/16"

7-7/16"
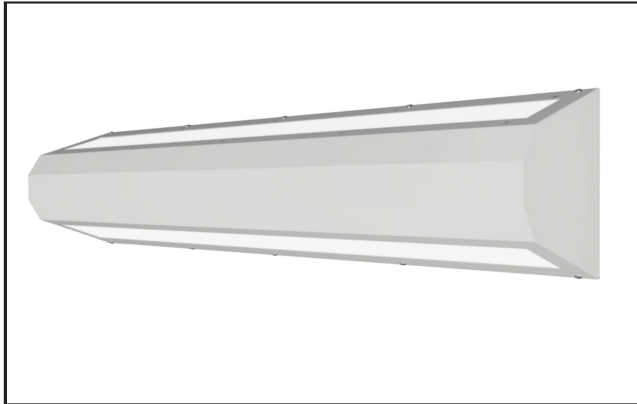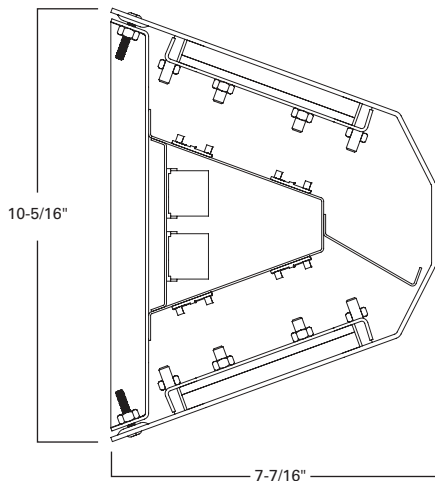
SPECIFICATIONS

DESCRIPTION

The BAH LED combines maximum security construction with energy saving technology. The BAH utilizes one piece clamshell housing as well as security lensing and tamper resistant fasteners for impact resistance and prevent contraband concealment and unwanted fixture penetration. The BAH is ideal for confinement/security applications. Suitable for use in inmate cells, psychiatric wards, secure corridors and general population areas. UL listed for damp locations. Anti-ligature design. Available in continuous runs, use option BAHCR.

FASTENERS

Stainless steel tamper-resistant T20 TORX screws standard. Allen-head screws with center reject pin optional.

ELECTRICAL SYSTEM

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

OPTICAL SYSTEM

Various choices of inner and outer lenses. If additional lens options are required, consult factory.

LISTINGS

UL listed for damp locations. Wet location optional. Made in the USA, BAA compliant.

FINISH

High gloss, electrostatically applied, white powder coat finish, average minimum reflectance 92%. Anti-microbial paint optional.

HOUSING

Various housing material options, consult factory if additional options not listed are needed. 14 Gauge backplate standard. Clamshell design with continuous welded and ground ends to form a one-piece, seamless, doorless housing which maximizes impact resistance and prevents contraband concealment, as well as unauthorized fixture penetration. Anti-ligature design. Stainless-steel aircraft cables attach housing to back plate.

LED

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

BACKPLATE

Die-formed 14 ga. steel backplate forms an irretrievable blade trap to prevent contraband concealment.

WARRANTY

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

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

* 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

ORDERING INFORMATION
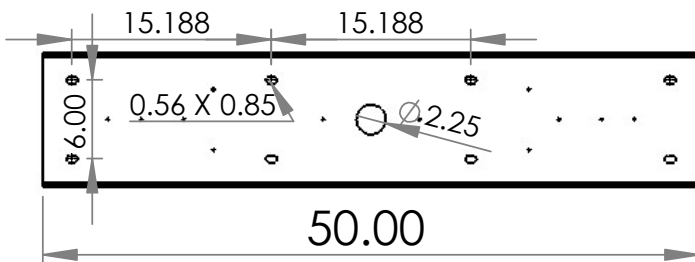
Example: BAH4-ML-40-20/80-PA125-250P-B16-M
Custom Lumen Output Example: BAH4-ML-40-20/80-PA125-250P-B16-M-6000 for 6000 lumens

SERIES		ILLUMINATION LEVEL		CCT		UP/DOWN DISTRIBUTION		INNER LENS		OUTER LENS	
BAH2	2'	SL	Standard Low	27	2700K	0/100	0% Up/100% Down	PA125	.125 Prismatic Acrylic	125P	.125 Clear Polycarbonate
BAH3	3'	ML	Medium Low	30	3000K	10/90	10% Up/90% Down	PA156	.156 Prismatic Acrylic	187P	.187 Clear Polycarbonate
BAH4	4'	HL	High Low	35	3500K	20/80	20% Up/80% Down	PP125	.125 Prismatic Polycarbonate	250P	.250 Clear Polycarbonate
		SM	Standard Medium	40	4000K	30/70	30% Up/70% Down	PP156	.156 Prismatic Polycarbonate	375P	.375 Clear Polycarbonate
		MM	Medium Medium	50	5000K	40/60	40% Up/60% Down	PP187	.187 Prismatic Polycarbonate	F1	.187 Clear Tempered Glass
		HM	High Medium			50/50	50% Up/50% Down			G1	.250 Clear Tempered Glass
		SH	Standard High			60/40	60% Up/40% Down			H1	.375 Clear Tempered Glass
		MH	Medium High			70/30	70% Up/30% Down			I1	.500 Clear Tempered Glass
		HH	High High			80/20	80% Up/20% Down				
						90/10	90% Up/10% Down				
						100/0	100% Up/0% Down				

HOUSING		DRIVER		VOLTAGE		CIRCUITS		OPTIONS	
B14	14 Gauge Cold Roll Steel	BLANK	0-10V 1% Dimming Driver (included standard)	M	120/277V	1	1 Circuit	12EBL	1200 Lumen Emergency Ballast
B16	16 Gauge Cold Roll Steel	CD5	0-10V 5% to off Dimming Driver			2	2 Circuits	AM	Anti-microbial Matte White Paint
B18	18 Gauge Cold Roll Steel	EDN	Electronic Driver Non-Dimming					B	Brushed (Stainless Steel Only)
SH14	14 Gauge Stainless Steel	FLDD	Fifth Light Dali, Dimming					NTP	Non-tamper Proof Fasteners (Phillips-head screws)
SH16	16 Gauge Stainless Steel	LDE1	Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology					AH	Allen Head Screws With Center Pin Reject
SH18	18 Gauge Stainless Steel	LDE5	Lutron LDE5 5-Series Ecosystem 5% Dimming					LN	LED Night Light
								FZ	Fuse Holder
								90	90 CRI
								WL	Wet Location
								VDO	Lutron Vive integral fixture controller (RF with daylight and occupancy sensing)
								BAHCR	Continuous Run Ready

MOUNTING DIMENSIONS

BAH4

BAH2