

SURFACE MOUNTED

BHAA

BEHAVIORAL HEALTHCARE



The **BHAA** is a maximum security, prison grade, surface mount luminaire. The BHAA can be both ceiling or wall-mounted. Engineered with a low-profile clamshell housing, while utilizing inner/outer lenses and tamper resistant fasteners for impact resistance and penetration, and to prevent contraband concealment. The BHAA is ideal for correctional and high abuse applications, such a behavioral health facilities, secure corridors and general population areas. Available with knockouts for continuous run.

HOUSING: Cold roll or stainless steel body available in various gauges. Designed with continuous welded and ground ends to form a one-piece, seamless, doorless housing which maximizes impact resistance, prevents contraband concealment, and unauthorized fixture penetration. Tamper proof screws allow for maintenance while preventing fixture access or weapon fabrication.

BACKPLATE: Die-formed backplate creates an irretrievable blade trap that prevents contraband concealment.

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

SECURITY: Like all of our Behavioral Health line, the BHAA is designed with security in mind. Since this is a surface mounted fixture, the addition of pick-proof adhesive sealant (supplied by others) to where the unit meets the surface will complete the installation and greatly reduce the chance of ingress.

FASTENERS: Comes standard with stainless steel tamper-resistant T25 TORX® screws. Allenhead screws with center reject pin are available with option AH.

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

OPTICAL SYSTEM: Various lensing options available for inner/outer lens. If additional lens options are needed, consult factory. The lens is secured by thru-studs and vertically adjustable internal hold-downs.

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

LISTINGS: Designed for damp locations, and Wet Location is available as an option (see next page). ETL Listed. BAA and BABA compliant.

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

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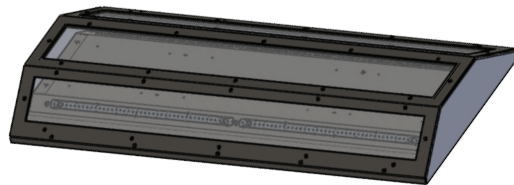
ORDERING INFORMATION:

Example: BHAA-2-30-15L-B18-156P-N-M

SERIES	SIZE	CCT	OUTPUT	HOUSING MATERIAL	OUTER LENS
BHAA	2'	27 2700K	4L 4000 Lumens (Standard Low)	B12 12 Gauge Cold Rolled Steel	N No Lens
Cross with BAE	4'	30 3000K	7L 7000 Lumens (Medium Low)	B14 14 Gauge Cold Roll Steel	125P .125 Clear Polycarbonate
		35 3500K	11L 11000 Lumens (High Low)	B16 16 Gauge Cold Roll Steel	156P .156 Clear Polycarbonate
		40 4000K	12L 12000 Lumens (Standard Medium)	B18 18 Gauge Cold Roll Steel	187P .187 Clear Polycarbonate
		50 5000K	13L 13000 Lumens (Medium Medium)	B20 20 Gauge Cold Roll Steel	250P .250 Clear Polycarbonate
			15L 15000 Lumens (High Medium)	SH14 14 Gauge Stainless Steel	375P .375 Clear Polycarbonate
			16L 16000 Lumens (Standard High)	SH16 16 Gauge Stainless Steel	CTG187 .187 Clear Tempered Glass
			20L 20000 Lumens (Medium High)	SH18P 18 Gauge Stainless Steel (Painted)	CTG250 .250 Clear Tempered Glass
			25L 25000 Lumens (High High)	SHB14 14 Gauge Stainless Steel (Brushed)	CTG375 .375 Clear Tempered Glass
			XX Custom Lumens	SHB16 16 Gauge Stainless Steel (Brushed)	
				SHB18 18 Gauge Stainless Steel (Brushed)	

INNER LENS	VOLTAGE	DRIVER	OPTIONS
N No Lens	M 120/277V	BLANK 0-10V 1% Dimming Driver (included standard)	14EBL 14 Watt Emergency Ballast
PA125 .125 Prismatic Acrylic		CD5 0-10V 5% to Off Dimming Driver	AH Allenhead Screws with Center Pin Reject
PA156 .156 Prismatic Acrylic		EDN Electronic Driver Non-Dimming	LN LED Night Light
FA .125 Frosted Acrylic		DALI 1% Dimming Driver	FZ Fuse Holder
PP125 .125 Prismatic Polycarbonate		LDE1 Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology	UV .005 UV Absorbing Overlay
PP187 .187 Prismatic Polycarbonate			PF Plaster Frame & Yoke
CTG/PA .156 Prismatic Tempered Glass			CB Cross Bar
SY Symmetric Diffused Frosted DR Acrylic			90 90 CRI
			VDO Lutron Vive Integral RF controller (with daylight and occupancy sensing)
			WL Wet Location*
			PH 16 Gauge Full Length Piano Hinge Door Frame
			CR Continuous Run (Consult factory for details)

*For Wet Location, pick-proof sealant caulk must be used.



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ENERGY AND PERFORMANCE DATA

INPUT VOLTAGE:	120/277VAC
SYSTEM INPUT POWER:	25.0 - 156.3 WATTS*
DELIVERED LUMEN OUTPUT:	4000 - 25000 LUMENS
STANDARD DIMMING CONTROL:	0-10V
CCT:	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

APPROXIMATE COLOR TEMPERATURE MULTIPLIER

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

OUTPUT	DELIVERED LUMENS	WATTS	L70 @20C (HRS)
4L	4000 LUMENS	25.0	>100K
7L	7000 LUMENS	43.8	>100K
11L	11000 LUMENS	68.8	>100K
12L	12000 LUMENS	75.0	>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	156.3	>100K

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

DIMENSIONS

