

BHA RECESSED SECURITY LUMINAIRE

BEHAVIORAL HEALTH + VANDAL RESISTANT



Ligature Resistant



The **BHA** is a specification grade security-focused recessed luminaire. Designed and engineered with behavioral health facilities in mind, the BHA is available in 1x1, 1x2, 1x4, 2x2, and 2x4 sizes. Our custom designed fixture is also Ligature Resistant.

HOUSING: Die formed, seam welded, and ground smooth (specify material and gauge) with tightly closed corners. Incorporates a removable reflector unitized with all electrical components for easy installation and maintenance.

DOORFRAME: Various doorframe materials available. 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. Ligature Resistant is standard with inset doors, but not available on overlap doors.

TAMPER-PROOF FASTENERS: Tamper resistant T25 Torx head fasteners secure the doorframe to the housing. Optional allenhead screws with center pin reject.

ELECTRICAL SYSTEM: Electronic driver 0-10V, 1% dimming standard. Additional driver options available. Long-life LED system rated for >100K hours (L70 @ 45°C). Complies with federal energy efficiency standards.

OPTICAL SYSTEM: Inner lens for LED diffusion, and outer lens for impact resistance. Lenses ordered per specification (see options) and secured by retainers with weld studs for maximum strength.

LISTINGS: Optional IP65 with Wet Location Option. ETL listed.

MOUNTING: Recessed grid and recessed flanged applications. Easy installation with adjustable 90° swing arm system standard. Universal mounting allows for both recessed flanged and recessed grid mounting.

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

Ordering Information on Next Page ►

ORDERING INFORMATION:

Example: BHA-22-35-HL-B14-B14-375P-PA125-M

SERIES	SIZE	CCT	OUTPUT	MOUNTING	HOUSING MATERIAL	DOOR MATERIAL	DOOR TYPE	
BHA	11 1x1	27 2700K		F Flange	B20 20 Gauge Cold Roll Steel	B18 18 Gauge Cold Roll Steel	INS Inset Door*	
	12 1x2	30 3000K		G Grid	B18 18 Gauge Cold Roll Steel	SH18 18 Gauge Stainless Steel (Polished 304)	OVL Overlap Door	
	14 1x4	35 3500K			SH18 18 Gauge Stainless Steel (Polished 304)	SH186 18 Gauge Stainless Steel (Polished 316)		
	22 2x2	40 4000K			SH186 18 Gauge Stainless Steel (Polished 316)	SHP18 18 Gauge Stainless Steel (Painted 304)		
	24 2x4	50 5000K			SHP18 18 Gauge Stainless Steel (Painted 304)	SHP186 18 Gauge Stainless Steel (Painted 316)		
					SHP186 18 Gauge Stainless Steel (Painted 316)	SHB18 18 Gauge Stainless Steel (Brushed 304)		
					SHB18 18 Gauge Stainless Steel (Brushed 304)	SHB186 18 Gauge Stainless Steel (Brushed)		
					SHB186 18 Gauge Stainless Steel (Brushed 316)			
CROSS: BAA			XX Custom Lumens					

INNER LENS	OUTER LENS	VOLTAGE	DRIVER	OPTIONS
N No Lens	125P .125 Clear Polycarbonate	M 120/277V	BLANK 0-10V 1% Dimming Driver (included standard)	14EBL 14 Watt Emergency Ballast
PA125 .125 Prismatic Acrylic (inverted)	156P .156 Clear Polycarbonate	HV 347-480VAC	CD5 0-10V 5% to Off Dimming Driver	AH Allenhead Screws with center pin reject
PA156 .156 Prismatic Acrylic (inverted)	187P .187 Clear Polycarbonate		EDN Electronic Driver Non-Dimming	LN LED Night Light (Consult factory for available CCT)
PP125 .125 Prismatic Polycarbonate (inverted)	250P .250 Clear Polycarbonate		DALI 1% Dimming Driver	FZ Fuse Holder
PP187 .187 Prismatic Polycarbonate (inverted)	375P .375 Clear Polycarbonate		LDE1 Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology	WL Wet Location
CTG/PA Clear Tempered Glass with Prismatic Acrylic Overlay	CTG187 .187 Clear Tempered Glass			UV .005 UV Absorbing Overlay
FA Frosted Acrylic	CTG250 .250 Clear Tempered Glass			90 90 CRI
125P .125 Clear Polycarbonate	CTG375 .375 Clear Tempered Glass			AM Antimicrobial White Paint
156P .156 Clear Polycarbonate	CTG500 .500 Clear Tempered Glass			IS Internal Occupancy Sensor (Microwave)
187P .187 Clear Polycarbonate				IPH Full Length Internal Piano Hinge Door Frame
SY Symmetric Diffused DR Acrylic				

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:	25.0 - 156.3 WATTS*
DELIVERED LUMEN OUTPUT:	4000 - 25000 LUMENS
STANDARD DIMMING CONTROL:	0-10V
CCT:	2700, 3000, 3500, 4000, 5000 KELVIN
CRI:	80 (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

PART#	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%

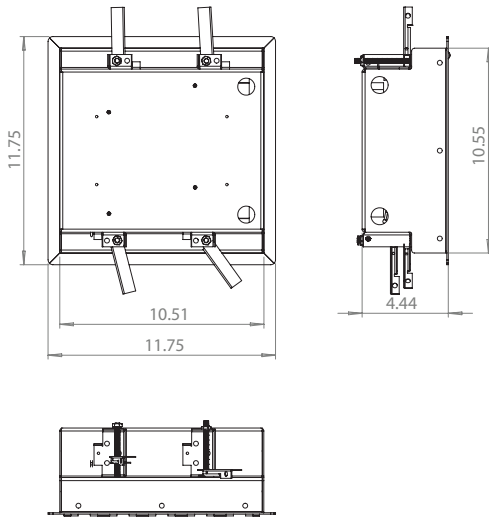


ROUGH IN SIZE LISTED BELOW.
Please pay careful attention to these dimensions.

DIMENSIONS

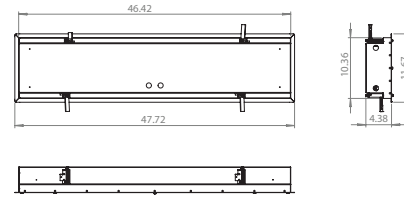
1x1

ROUGH IN SIZE 10 13/16" X 10 3/4"



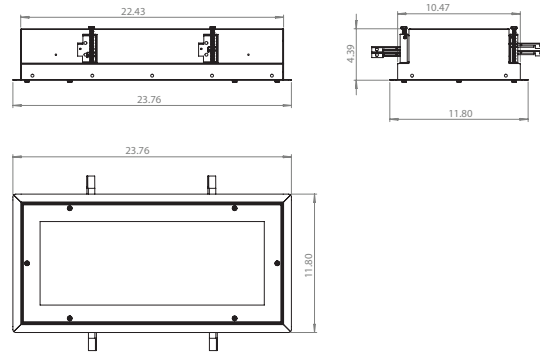
1x4

ROUGH IN SIZE TO BE 46 11/16" X 10 5/8"



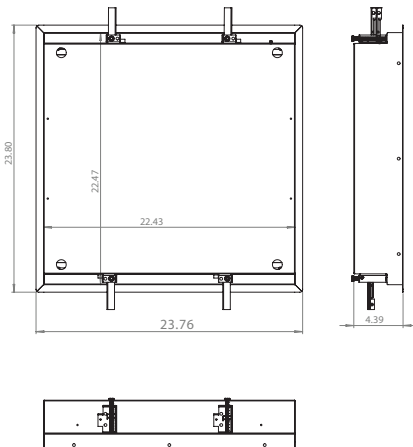
1x2

ROUGH IN SIZE TO BE 22 11/16" X 10 5/8"



2x2

ROUGH IN SIZE TO BE 22 5/8" X 22 5/8"



2x4

ROUGH IN SIZE TO BE 46 5/8" X 22 11/16"

