

RECESSED BHET

BEHAVIORAL
HEALTHCARE



Ligature-Resistant



The **BHET SERIES** provides a supplemental lighting solution for behavioral health facilities with a rounded profile lens. BHET is available in 1x4, 2x2, and 2x4 sizes. Driven by performance and a clean aesthetic, the BHET is constructed from premium materials with industry leading technology. Security rated and vandal resistant.

HOUSING: Housing formed from prime grade specified cold rolled steel, aluminum option available. Door made from one-piece die-formed specified material, door-frame attached to housing by two aircraft cables. Neoprene gasket seals door to housing. Torx head with center pin hardened security screws standard, Allen head screws with center pin optional. Ligature resistant design.

FINISH: White TGIC polyester polymer powder coat 5-stage pre-treatment finish with a minimum 93% reflectivity. Salt spray test: 1,000 hours. Antimicrobial finish optional.

MOUNTING: Grid mount lays into standard grid sizes. Flange mount includes adjustable 90° swing arm system, unless plaster frame & yoke option is selected.

ELECTRICAL SYSTEM: Electronic, standard 0-10V, 1% dimming driver. Long-life LED system rated for >100K hours (L70 @ 50°C). Complies with federal energy efficiency standards. 80 CRI or 90 CRI LEDs available in 2700K, 3000K, 3500K, 4000K and 5000K.

OPTICAL SYSTEM: Extruded high-efficiency frosted DR acrylic inner diffuser. Impact-resistant clear polycarbonate outer lens. A .125 Clear Polycarbonate lens is standard. Available with either a rounded or square center lens.

LISTINGS: NSF compliant design (Non-Food, Splash Zone). Wet location available as an option (IP65 rating). ETL listed for wet locations under covered ceiling. 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: BHET-22-30-11L-G-B14-B14-INS-187P-FA-M-90

Series		Size		CCT		Illumination Level		Mounting		Housing Material		Door Material		Doorframe Type	
BHET	14	1x4	27	2700K		4L	4000 Lumens (Standard Low)	G	Grid	B20	20 Gauge Cold Roll Steel	B14	14 Gauge Cold Rolled Steel	INS	Inset Doorframe*
	22	2x2	30	3000K		7L	7000 Lumens (Medium Low)	F	Flange	B18	18 Gauge Cold Roll Steel			OVL	Overlap Doorframe
	24	2x4	35	3500K		11L	11000 Lumens (High Low)			SH18	18 Gauge Stainless Steel (Polished 304)	B16	16 Gauge Cold Rolled Steel		
			40	4000K		12L	12000 Lumens (Standard Medium)			SH186	18 Gauge Stainless Steel (Polished 316)	B18	18 Gauge Cold Roll Steel		*Ligature-Resistant only available with Inset Door
			50	5000K		13L	13000 Lumens (Medium Medium)			SHP18	18 Gauge Stainless Steel (Painted 304)	SH18	18 Gauge Stainless Steel (Polished 304)		
			ATTW	Tunable White		15L	15000 Lumens (High Medium)			SHP186	18 Gauge Stainless Steel (Painted 316)	SH186	18 Gauge Stainless Steel (Polished 316)		
			RGBW	RGBW		17L	17000 Lumens (High)			SHB18	18 Gauge Stainless Steel (Brushed 304)	SHP18	18 Gauge Stainless Steel (Painted 304)		
						20L	20000 Lumens (Medium High)			SHB186	18 Gauge Stainless Steel (Brushed 316)	SHP186	18 Gauge Stainless Steel (Painted 316)		
						25L	25000 Lumens (High High)			SHB18	18 Gauge Stainless Steel (Brushed 304)	SHB18	18 Gauge Stainless Steel (Brushed 304)		
						XX	Custom Lumens			ALH	.063" Aluminum (Painted)	SHB186	18 Gauge Stainless Steel (Brushed 316)		

OUTER LENS	LENS PROFILE	DIFFUSER	VOLTAGE	DRIVER	OPTIONS
187P .187" Clear Polycarbonate	RND Round	FA Frosted Acrylic	M Multi-Volt (120-277VAC)	BLANK 0-10V 1% Dimming Driver (included standard)	14EBL 14 Watt Emergency Ballast
250P .250" Clear Polycarbonate	SQ Square		HV 347-480VAC	CD5 0-10V 5% to Off Dimming Driver	AHS Allen Head Screws (center pin)
375P .375" Clear Polycarbonate				EDN Electronic Driver Non-Dimming	AM Antimicrobial Paint
				DALI 1% Dali, Dimming Driver	FZ Fuse & Holder
				LDE1 Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology	LN LED Night Light
				2TW1 2 Channel 0-10v Tunable White 1% Dimming Driver*	PF Plaster Frame & Yoke
				2TWCS 2 Channel 0-10v Tunable White Dimming Driver Compatible with Casambi**	CB Cross Bar
					VDO Lutron Vive Integral Fixture Controller RF With Daylight and Occupancy Sensing)
					LVC Low Voltage Controller with Dimming
					90 90 CRI
					WL Wet Location (IP65)
					GC Grid Clamp
					DMX Addressable DMX Decoder for DMX512 Control (Controller Supplied by Others). Consult factory for requirements.

*Prewired with Tunable White LED boards and (2) 0-10v drivers installed
 **Prewired with Tunable White LED boards and Casambi ready fixture control

Other options and configurations are available. Consult factory for details.

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

*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)
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

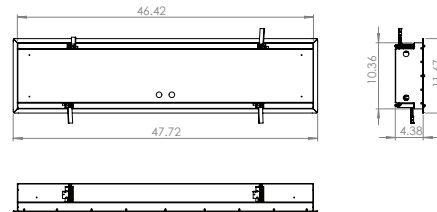


ROUGH IN SIZE LISTED BELOW.
Please pay careful attention to these dimensions.

DIMENSIONS

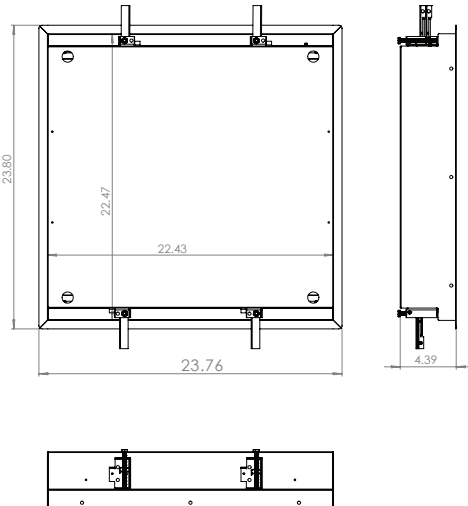
1x4

ROUGH IN SIZE TO BE 46 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"

