

BHLT

TOP ACCESS
LED CLEAN ROOM

**Ligature-Resistant**

The **BHLT** is a top-access LED Cleanroom luminaire crafted to be one of the highest quality clean room fixtures on the market. Created for use in Cleanrooms, Laboratories, Commercial Kitchens, Food Processing Facilities, Hospitals, Manufacturing, and areas where an ISO4 rated clean room luminaire is needed. The BHLT is completely customizable with your choice of housing, doorframe, and lensing materials. Utilizing the latest in LED technology, the BHLT provides an extremely long lifespan, and some of the highest efficacy LEDs on the market today.

DOORFRAME: Cold Roll Steel, Stainless Steel, or Aluminum options. White TGIC polyester powder coat standard, with optional Anti-Microbial Paint. Door-frame secured to housing with stainless steel aircraft cables and captive flush mounted Phillips head stainless steel fasteners. Neoprene gasket completely seals the doorframe and the housing.

DOORFRAME GASKET: Neoprene gasket seals doorframe to housing.

ELECTRICAL SYSTEM: Electronic 1% dimming driver standard. Various driver options available.

OPTICAL SYSTEM: A variety of lensing options are available to fit the needs of any application.

LISTINGS: Approved to CSA and ETL standards. ISO4 Rated. ETL listed. NSF Listed. Food Safe. IP65 ratings.

LENS: Various lensing options available. Additional lensing options available, consult factory. Lenses inverted to smooth side out.

MOUNTING: Recessed Grid or Flanged mounting options available. Additional custom mounting options available, consult factory.

HOUSING: Housing options available in cold roll steel, stainless steel, and aluminum variations. Seam-welded construction. All doors attached to the housing with two stainless steel aircraft cables, and are completely sealed with closed cell neoprene gaskets. Stainless steel Philips head screws painted to match door finish to secure door frame to housing. White TGIC polyester powder coat standard. Anti-microbial paint optional.

LED: 80 CRI or 90 CRI LEDs available in 2700K, 3000K, 3500K, 4000K and 5000K. Life is 100,000 hours at 70% lumen maintenance. LM79, LM80 and TM21 compliant.

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

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ORDERING INFORMATION: Example: BHLT-22-40-13L-B20-B20-250P-M-1-90

SERIES		SIZE		CCT		ILLUMINATION LEVEL		MOUNTING		HOUSING MATERIAL		DOOR MATERIAL	
BHLT	22	2X2	27	2700K		4L	4000 Lumens	F	Flange	B20	20 Gauge Cold Roll Steel	B18	18 Gauge Cold Roll Steel
	24	2X4	30	3000K		7L	7000 Lumens	G	Grid	B18	18 Gauge Cold Roll Steel	SH18	18 Gauge Stainless Steel (Polished 304)
			35	3500K		11L	11000 Lumens			SH18	18 Gauge Stainless Steel (Polished 304)	SH186	18 Gauge Stainless Steel (Polished 316)
			40	4000K		12L	12000 Lumens			SH186	18 Gauge Stainless Steel (Polished 316)	SHP18	18 Gauge Stainless Steel (Painted 304)
			50	5000K		13L	13000 Lumens			SHP18	18 Gauge Stainless Steel (Painted 304)	SHP186	18 Gauge Stainless Steel (Painted 316)
			ATTW	Tunable White		15L	15000 Lumens			SHP186	18 Gauge Stainless Steel (Painted 316)	SHB18	18 Gauge Stainless Steel (Brushed 304)
						16L	16000 Lumens			SHB18	18 Gauge Stainless Steel (Brushed 304)	SHB186	18 Gauge Stainless Steel (Brushed)
						20L	20000 Lumens			SHB186	18 Gauge Stainless Steel (Brushed 316)		
						25L	25000 Lumens						
						 	XX	Custom Lumens					
REF: CLT													
LENS		VOLTAGE		DRIVER OPTIONS		CIRCUITS		OPTIONS					
A125	.125 Clear Acrylic	M	Multi-Volt (120-277VAC)	BLANK	0-10V Dimming Driver (included standard)	1	1 Circuit	14EBL	14 Watt Emergency Ballast				
125P	.125 Clear Polycarbonate			CD5	0-10V 5% to Off Dimming Driver	2	2 Circuits	90	90 CRI				
187P	.187 Clear Polycarbonate	HV	347-480VAC	EDN	Electronic Driver Non-Dimming			AM	Anti-Microbial Paint				
250P	.250 Clear Polycarbonate			DALI	1% Dali Dimming Driver			VDO	Lutron Vive Integral RF Controller with Daylight and Occupancy Sensing				
PA125	.125 Prismatic Acrylic			LDE1	Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology			TRX	T25 Torx Head Screws with Center Pin Reject				
PA156	.156 Prismatic Acrylic			2TW1	2 Channel 0-10v Tunable White 1% Dimming Driver*								
PP125	.125 Prismatic Polycarbonate			2TWCS	2 Channel 0-10v Tunable White Dimming Driver Compatible with Casambi**								
PP187	.187 Prismatic Polycarbonate												
PHA125	.125 Prismatic High Impact Acrylic												
PHA140	.140 Prismatic High Impact Acrylic												
CTG187	.187 Clear Tempered Glass												
CTG/PA	Clear Tempered Glass with Prismatic Acrylic Overlay												
WTA	White Translucent Acrylic .080 Lens												
WTP	White Translucent Polycarbonate												
SY	Symmetric Diffused Frosted DR Acrylic												

*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.

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ENERGY AND PERFORMANCE DATA

INPUT VOLTAGE:	120/277VAC
SYSTEM INPUT POWER:	27.8 - 173.4 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%

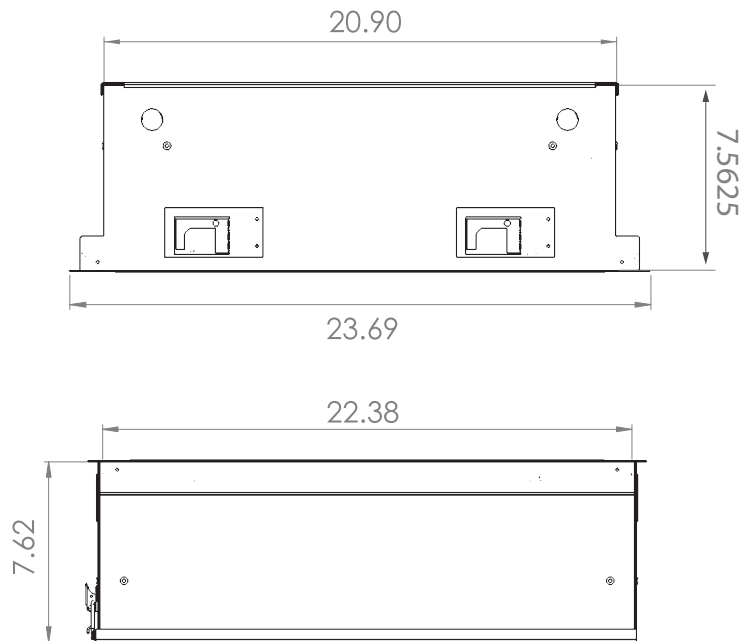
APPROXIMATE COLOR TEMPERATURE MULTIPLIER

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

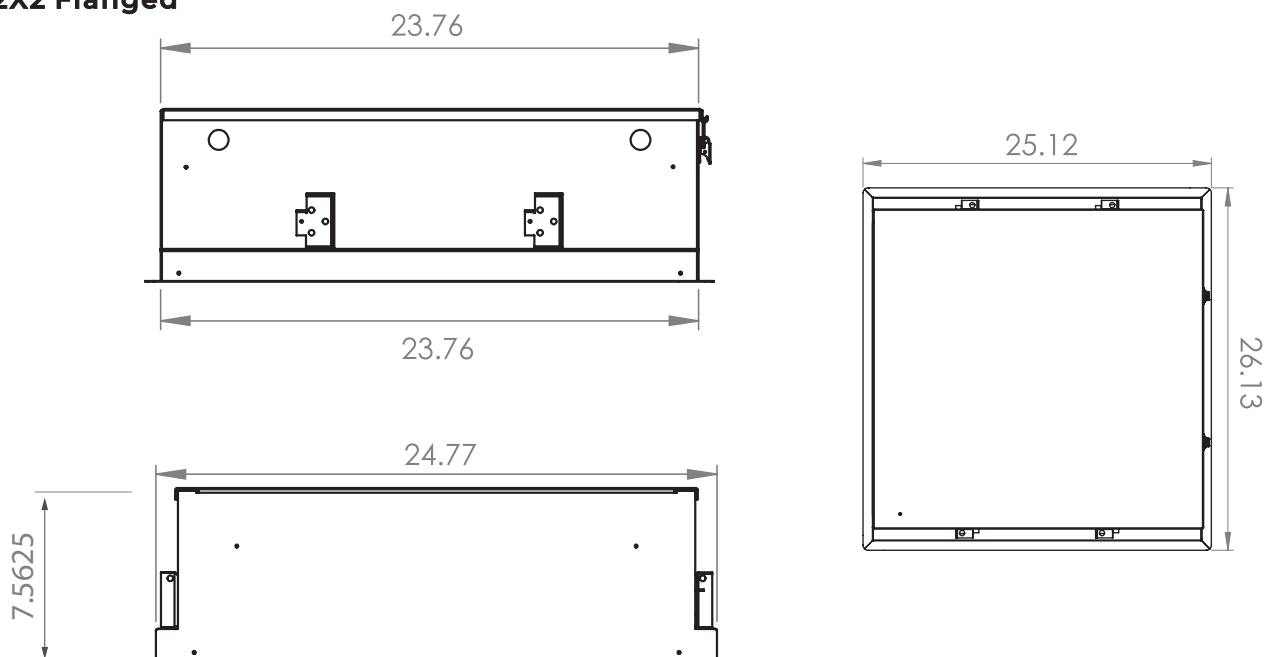
OUTPUT	DELIVERED LUMENS	WATTS	L70 @20C (HRS)
4L	4000 LUMENS	27.8	>100K
7L	7000 LUMENS	48.5	>100K
11L	11000 LUMENS	79.3	>100K
12L	12000 LUMENS	83.2	>100K
13L	13000 LUMENS	90.1	>100K
15L	15000 LUMENS	104	>100K
16L	16000 LUMENS	110.1	>100K
20L	20000 LUMENS	138.7	>100K
25L	25000 LUMENS	173.4	>100K

DIMENSIONS

2X2 Grid



2X2 Flanged



DIMENSIONS

2X4 Grid

