ADVANTAGE ENVIRONMENTAL LIGHTING

MADE IN THE USA

CATALOG #:

PROJECT:

TYPE:

BHC BEHAVIORAL HEALTHCARE LED LUMINAIRE

BEHAVIORAL HEALTH + VANDAL PROOF

The **BHC SERIES** provides a supplemental lighting solution for Behavioral Healthcare facilities with a rounded profile lens. Our BHC is available in 1x4, 2x2, and 2x4 sizes. Driven by performance and a clean aesthetic, the BHC is constructed from premium materials with industry leading technology. Designed for use in Behavioral Health, Medical, Correctional and any facility where security rated and vandal resistant luminaire is required.

CONSTRUCTION: Housing is 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. Anti-ligature design.

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.

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.

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.

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

LISTINGS: NSF = NSF2 listed (Non-Food, Splash Zone). Wet location avalable as an option (IP65 rating). ETL listed for wet locations under covered ceiling.

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

Ordering Information on Next Page ►

ADVANTAGE ENVIRONMENTAL LIGHTING

CATALOG #:

PROJECT:

TYPE:

ORDERING INFORMATION

Example: MET-22-30-11L-G-B14-B14-INS-187P-FA-M-90

SERIES	SIZE		CCT		ILLUMINATION LEVEL		MOUNTING		HOUSING MATERIAL		DOOR MATERIAL		DOORFRAME TYPE	
MET	14	1x4	27	2700K	4L	4000 Lumens (Standard Low)	G	Grid	B14	14 Gauge Cold Rolled Steel	B14	14 Gauge Cold Rolled Steel	INS	Inset Doorframe
	22	2x2	30	3000K	7L	7000 Lumens (Medium Low)	F	Flange	B16	16 Gauge Cold Rolled Steel	B16	16 Gauge Cold Rolled Steel	OVL	Overlap Doorframe
	24	2x4	35	3500K	11L	11000 Lumens (High Low)			B18	18 Gauge Cold Roll Steel	B18	18 Gauge Cold Roll Steel		
			40	4000K	12L	12000 Lumens (Standard Medium)			SH18	18 Gauge Stainless Steel (Polished 304)	SH18	18 Gauge Stainless Steel (Polished 304)		
			50	5000K	13L	13000 Lumens (Medium Medium)			SH186	18 Gauge Stainless Steel (Polished 316)	SH186	18 Gauge Stainless Steel (Polished 316)		
			ATTW	Tunable White	15L	15000 Lumens (High Medium)			SHP18	18 Gauge Stainless Steel (Painted 304)	SHP18	18 Gauge Stainless Steel (Painted 304)		
					17L	17000 Lumens (High)			SHP186	18 Gauge Stainless Steel (Painted 316)	SHP186	18 Gauge Stainless Steel (Painted 316)		
					20L	20000 Lumens (Medium High)			SHB18	18 Gauge Stainless Steel (Brushed 304)	SHB18	18 Gauge Stainless Steel (Brushed 304)		
					25L	25000 Lumens (High High)			SHB186	18 Gauge Stainless Steel (Brushed 316)	SHB186	18 Gauge Stainless Steel (Brushed 316)		
					XX	Custom Lumens			ALH	.063" Aluminum (Painted)	ALH	.063" Aluminum (Painted)		

2X4 2X2 1X4

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
										PF	Plaster Frame & Yoke
										CB	Cross Bar
								2TW1	2 Channel 0-10v Tunable White 1% Dimming Driver*	VDO	Lutron Vive Integral Fixture Controller RF With Daylight and Occupancy Sensing)
								2TWCS	2 Channel 0-10v Tunable White Dimming Driver Compatible with Casambi**	LVC	Low Voltage Controller with Dimming
										90	90 CRI
										WL	Wet Location (IP65)
										GC	Grid Clamp

*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:	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

PART#	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

ADVANTAGE ENVIRONMENTAL LIGHTING

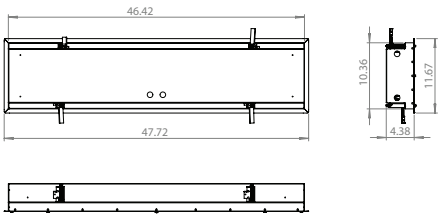
CATALOG #:	
PROJECT:	
TYPE:	

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

DIMENSIONS

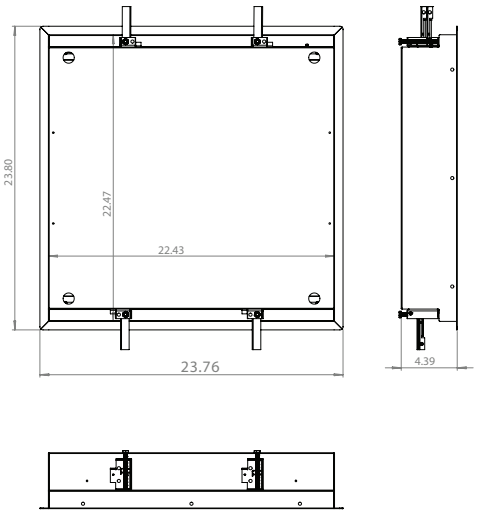
1x4

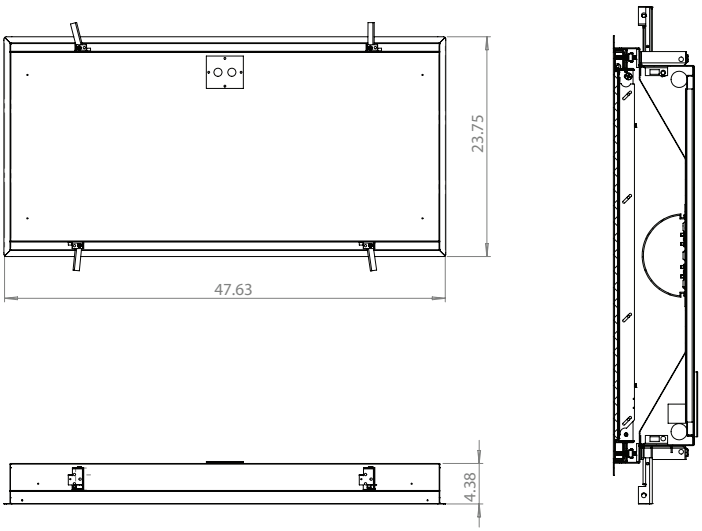
ROUGH IN SIZE TO BE 46 11/16" X 10 5/8"



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