

SURFACE MOUNTED

BHR

BEHAVIORAL
HEALTHCARE



The **BHR** was designed to be a vandal resistant surface mount luminaire, with secure grade durability. Engineered with a one-piece design, the BHR brings an additional level of security to prison grade fixtures.

HOUSING: Die formed one-piece frame with tightly closed corners. (material and gauge to match housing). LED 80 CRI or 90 CRI LEDs available in 2700K, 3000K, 3500K, 4000K and 5000K. Life is >100,000 hours at 70% lumen maintenance.

DOORFRAME: 16-gauge CRS, one-piece inset construction corners. Comes standard with a white TGIC polyester powder coat – 5-stage pre-treatment. Salt spray test of 1,000 hours. Doorframe secured to housing with captive flush mounted vandal resistant stainless steel fasteners (standard).

DOORFRAME GASKET: Neoprene gasket completely seals the fixture.

MOUNTING: Surface mount installation.

ELECTRICAL SYSTEM: Electronic driver 0-10V 1% dimming standard. Long-life LED system rated for >100K hours (L70 @ 50°C). Complies with federal energy efficiency standards.

OPTICAL SYSTEM: Lens per specification (see options) and secured with heavy duty lens retention system.

LISTINGS: Designed for damp location. Wet location option available. 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: BHR-12-30-15L-B18-156P-N-M

SERIES		SIZE		CCT		OUTPUT		HOUSING MATERIAL		DOOR MATERIAL	
BHR		12	1'X2'	27	2700K		4L 4000 Lumens (Standard Low)	B12	12 Gauge Cold Rolled Steel	B14	14 Gauge Cold Roll Steel
	14	1'X4'	30	3000K	7L 7000 Lumens (Medium Low)		B14	14 Gauge Cold Roll Steel	B16	16 Gauge Cold Roll Steel	
			35	3500K	11L 11000 Lumens (High Low)		B16	16 Gauge Cold Roll Steel	B18	18 Gauge Cold Roll Steel	
			40	4000K	12L 12000 Lumens (Standard Medium)		B18	18 Gauge Cold Roll Steel	SH14	14 Gauge Stainless Steel	
			50	5000K	13L 13000 Lumens (Medium Medium)		B20	20 Gauge Cold Roll Steel	SH16	16 Gauge Stainless Steel	
					15L 15000 Lumens (High Medium)		SH14	14 Gauge Stainless Steel	SH18	18 Gauge Stainless Steel	
					16L 16000 Lumens (Standard High)		SH16	16 Gauge Stainless Steel	SHB18	18 Gauge Stainless Steel (Brushed)	
					20L 20000 Lumens (Medium High)		SH18P	18 Gauge Stainless Steel (Painted)			
					25L 25000 Lumens (High High)		SHB14	14 Gauge Stainless Steel (Brushed)			
					XX Custom Lumens		SHB16	16 Gauge Stainless Steel (Brushed)			
							SHB18	18 Gauge Stainless Steel (Brushed)			
INNER LENS		OUTER LENS		VOLTAGE		FASTENERS		DRIVER			
N	No Lens	125P	125 Clear Polycarbonate	M	120/277V	TP	Tamper Proof Screws (Stainless Steel Torx Head with center pin reject)	BLANK	0-10V 1% Dimming Driver (included standard)		
PA125	.125 Prismatic Acrylic	156P	.156 Clear Polycarbonate			AH	Allenhead Screws with center pin reject	CD5	0-10V 5% to Off Dimming Driver		
PA156	.156 Prismatic Acrylic	187P	.187 Clear Polycarbonate			PH	Phillips Head (non-security)	EDN	Electronic Driver Non-Dimming		
WFG	.080 White Frost Glaze	250P	.250 Clear Polycarbonate					LDE1	Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology		
TG	.156 Prismatic Tempered Glass	375P	.375 Clear Polycarbonate								
S	.080 Satin	F1	187 Clear Tempered Glass								
G2	.140 Symmetric Diffused DR Acrylic	G1	.250 Clear Tempered Glass								
H2	.125 White Frosted Polycarbonate	H1	.375 Clear Tempered Glass								
WO	.020 White Opal Acrylic Overlay	J1	.500 Clear Tempered Glass								
OPTIONS											
14EBL 14 Watt Emergency Ballast											
LN LED Night Light											
FZ Fuse Holder											
UV .005 UV Absorbing Overlay											
WL Wet Location*											
PF Plaster Frame & Yoke											
CB Cross Bar											
PH 16 Gauge Full Length Piano Hinge Door Frame											
90 90 CRI											
AM Antimicrobial White Paint											
VDO Lutron Vive Integral fixture control (RF with Daylight and Occupancy Sensing)											
ACCH 2.250" Diameter Access Hole											
SK Suspension Kit											
*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*
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

