



BAR

LED Prison Grade Surface Mount Luminaire



STANDARD | OPTIONAL



DESCRIPTION

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

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).

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

UL listed for damp location. Wet location option available.

MOUNTING

Surface mount installation.

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.

WARRANTY

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

DOORFRAME GASKET

Neoprene gasket completely seals the fixture.

Part#	Delivered Lumens	Watts	L70 @20C (hrs)
4L	4000 Lumens	XX	>100K
7L	7000 Lumens	XX	>100K
11L	11000 Lumens	XX	>100K
12L	12000 Lumens	XX	>100K
13L	13000 Lumens	XX	>100K
15L	15000 Lumens	XX	>100K
16L	16000 Lumens	XX	>100K
20L	20000 Lumens	XX	>100K
25L	25000 Lumens	XX	>100K

Approximate Color Temperature Multiplier	
5000K	1.03
4000K	1
3500K	0.97
3000K	0.94
2700K	0.91

Delivered Lumens shown were tested with 4000K LEDs



Series	CCT	illumination Level*	Housing
BAR12 1x2	27 2700K	4L 4000 Lumens	B14 14 Gauge Cold Roll Steel
BAR14 1x4	30 3000K	7L 7000 Lumens	B16 16 Gauge Cold Roll Steel
	35 3500K	11L 11000 Lumens	B18 18 Gauge Cold Roll Steel
	40 4000K	12L 12000 Lumens	B20 20 Gauge Cold Roll Steel
	50 5000K	13L 13000 Lumens	SH14 14 Gauge Stainless Steel
		15L 15000 Lumens	SH16 16 Gauge Stainless Steel
		16L 16000 Lumens	SH18 18 Gauge Stainless Steel
		20L 20000 Lumens	SHB18 18 Gauge Stainless Steel (Brushed)
		25L 25000 Lumens	

***NOTES:**

BAR12 (1x2) only available up to MM - Medium Medium

Door Type	Outer Lens	Inner Lens	Voltage
B14 14 Gauge Cold Roll Steel	125P .125 Clear Polycarbonate	N No Lens	M Multi-Volt 120/277V
B16 16 Gauge Cold Roll Steel	156P .156 Clear Polycarbonate	PA125 .125 Prismatic Acrylic	
B18 18 Gauge Cold Roll Steel	187P .187 Clear Polycarbonate	PA156 .156 Prismatic Acrylic	
SH14 14 Gauge Stainless Steel	250P .250 Clear Polycarbonate	WFG .080 White Frost Glaze	
SH16 16 Gauge Stainless Steel	375P .375 Clear Polycarbonate	TG .156 Prismatic Tempered Glass	
SH18 18 Gauge Stainless Steel	F1 .187 Clear Tempered Glass	S .080 Satin	
SHB18 18 Gauge Stainless Steel (Brushed)	G1 .250 Clear Tempered Glass	G2 .140 Symmetric Diffused DR Acrylic	
	H1 .375 Clear Tempered Glass	H2 .125 White Frosted Polycarbonate	
	J1 .500 Clear Tempered Glass	WO .020 White Opal Acrylic Overlay	

Fasteners	Driver	Options
TP Tamper Proof Screws (Stainless Steel Torx Head with center pin reject)	BLANK 0-10V 1% Dimming Driver (included standard)	12EBL 1200 Lumen Emergency Ballast
AH Allenhead Screws with center pin reject	CD5 0-10V 5% to Off Dimming Driver	LN LED Night Light (Consult factory for available color/temps)
PH Phillips Head (Non-Security)	EDN Electronic Driver Non-Dimming	FZ Fuse Holder
	FLDD Fifth Light Dali, Dimming	WL Wet Location
	LDE1 Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology	UV .005 UV Absorbing Overlay
	LDE5 Lutron LDE5 5-Series Ecosystem 5% Dimming	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)
		FSCJO Lutron Vive Attached Fixture Control (RF Only for 0-10V Drivers)
		ACCH 2.250" Diameter Access Hole

DIMENSIONS

