



## 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](http://www.aelnow.com/warranty)

#### DOORFRAME GASKET

Neoprene gasket completely seals the fixture.

Output	Delivered Lumens	System Wattage	L70 @20C (hrs)
SL	4650	33	>120K
ML	7974	57	>120K
HL	11150	80	>120K
SM	12040	86	>120K
MM	13016	93	>120K
HM	15728	112	>120K
SH	16500	118	>120K
MH	20000	143	>120K
HH	25000	179	>120K

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 and ASR (asymmetric/symmetric grid) lens.



Series	CCT	Illumination Level*	Housing
BAR12 1x2	27 2700K	SL Standard Low	B14 14 Gauge Cold Roll Steel
BAR14 1x4	30 3000K	ML Medium Low	B16 16 Gauge Cold Roll Steel
	35 3500K	HL High Low	B18 18 Gauge Cold Roll Steel
	40 4000K	SM Standard Medium	B20 20 Gauge Cold Roll Steel
	50 5000K	MM Medium Medium	SH14 14 Gauge Stainless Steel
			HM High Medium
		SH Standard High	SH18 18 Gauge Stainless Steel
		MH Medium High	SHB18 18 Gauge Stainless Steel (Brushed)
		HH High High	

**\*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)
	EDN Electronic Driver Non-Dimming	FZ Fuse Holder
PH Phillips Head (Non-Security)	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

