



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.

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

EUTRON

 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.

T (817) 468-3591



CATALOG NUMBER

PROJECT

TYPE

Serie	es		ССТ	Illu	imination 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	SH16	16 Gauge Stainless Steel
				SH	Standard High	SH18	18 Gauge Stainless Steel
				МН НН	Medium High High High	SHB18	18 Gauge Stainless Steel (Brushed)

*NOTES:

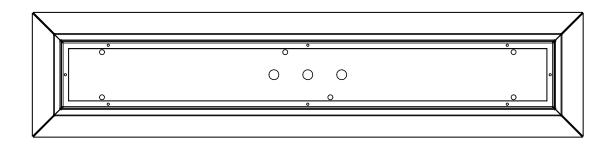
BAR12 (1x2) only available up to MM - Medium Medium

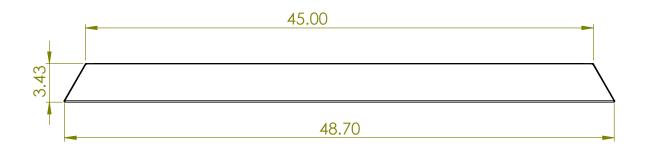
Door Type		Outer Lens		Inner Lens		Voltage	
B14	14 Gauge Cold Roll Steel	125P	.125 Clear Polycarbonate	N	No Lens	м	Multi-Volt
B16	16 Gauge Cold Roll Steel	156P	.156 Clear Polycarbonate	PA125	.125 Prismatic Acrylic		120/277V
B18	18 Gauge Cold Roll Steel	187P	.187 Clear Polycarbonate	PA156	.156 Prismatic 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		
		Н1	.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) AH Allenhead Screws with center pin reject PH Phillips Head (Non-Security) 	BLANK 0-10V 1% Dimming Driver (included standard) CD5 0-10V 5% to Off Dimming Driver EDN Electronic Driver Non-Dimming FLDD Fifth Light Dali, Dimming LDE1 Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology LDE5 Lutron LDE5 5-Series Ecosystem 5% Dimming	 12EBL 1200 Lumen Emergency Ballast LN LED Night Light (Consult factory for available color/temps) FZ Fuse Holder WL Wet Location UV .005 UV Absorbing Overlay 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) FSCJ0 Lutron Vive Attached Fixture Control (RF Only for 0-10V Drivers) ACCH 2.250" Diameter Access Hole

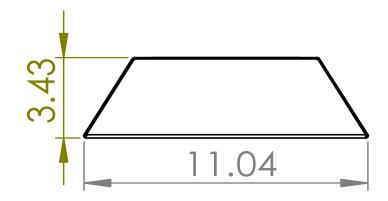


DIMENSIONS





0	48.74 °	o
• 11.06	0 0 0	0



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