ADVANTAGE
ENVIRONMENTAL LIGHTING

MADE IN THE USA

BAR
SURFACE
MOUNT LED
PRISON GRADE

BASTILLE
PRISON GRADE

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: Designed for damp location. Wet location option available. ETL listed.

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.

DOORFRAME GASKET: Neoprene gasket completely seals the fixture.

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

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ORDERING INFORMATION:

Example: BAR-2-30-15L-B18-156P-N-M

SERIES	SIZE	CCT	OUTPUT	HOUSING MATERIAL	DOOR MATERIAL

SERIES

BAR

SIZE

12   1'X2'
14   1'X4'

CCT

27   2700K
30   3000K
35   3500K
40   4000K
50   5000K

OUTPUT

4L	4000 Lumens (Standard Low)
7L	7000 Lumens (Medium Low)
11L	11000 Lumens (High Low)
12L	12000 Lumens (Standard Medium)
13L	13000 Lumens (Medium Medium)
15L	15000 Lumens (High Medium)
16L	16000 Lumens (Standard High)
20L	20000 Lumens (Medium High)
25L	25000 Lumens (High High)
XX	Custom Lumens

HOUSING MATERIAL

B12	12 Gauge Cold Rolled Steel
B14	14 Gauge Cold Roll Steel
B16	16 Gauge Cold Roll Steel
B18	18 Gauge Cold Roll Steel
B20	20 Gauge Cold Roll Steel
SH14	14 Gauge Stainless Steel
SH16	16 Gauge Stainless Steel
SH18P	18 Gauge Stainless Steel (Painted)
SHB14	14 Gauge Stainless Steel (Brushed)
SHB16	16 Gauge Stainless Steel (Brushed)
SHB18	18 Gauge Stainless Steel (Brushed)

DOOR MATERIAL

B14	14 Gauge Cold Roll Steel
B16	16 Gauge Cold Roll Steel
B18	18 Gauge Cold Roll Steel
SH14	14 Gauge Stainless Steel
SH16	16 Gauge Stainless Steel
SH18	18 Gauge Stainless Steel
SHB18	18 Gauge Stainless Steel (Brushed)

INNER LENS	OUTER LENS	VOLTAGE	FASTENERS	DRIVER

INNER LENS

N	No Lens
PA125	.125 Prismatic Acrylic
PA156	.156 Prismatic Acrylic
WFG	.080 White Frost Glaze
TG	.156 Prismatic Tempered Glass
S	.080 Satin
G2	.140 Symmetric Diffused DR Acrylic
H2	.125 White Frosted Polycarbonate
WO	.020 White Opal Acrylic Overlay

OUTER LENS

125P	125 Clear Polycarbonate
156P	.156 Clear Polycarbonate
187P	.187 Clear Polycarbonate
250P	.250 Clear Polycarbonate
375P	.375 Clear Polycarbonate
F1	187 Clear Tempered Glass
G1	.250 Clear Tempered Glass
H1	.375 Clear Tempered Glass
J1	.500 Clear Tempered Glass

VOLTAGE

M   120/277V

FASTENERS

TP	Tamper Proof Screws (Stainless Steel Torx Head with center pin reject)
AH	Allenhead Screws with center pin reject
PH	Phillips Head (non-security)

DRIVER

BLANK	0-10V 1% Dimming Driver (included standard)
CD5	0-10V 5% to Off Dimming Driver
EDN	Electronic Driver Non-Dimming
LDE1	Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology

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:	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

OUTPUT	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

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45.00

3.43

48.70

48.74

11.06

3.43

11.04