

## BAX

**SURFACE CEILING  
MOUNT LED  
PRISON GRADE**



**Ligature Resistant**



The **BAX** is a surface ceiling mount available in 1'x2' and 1'x4' nominal sizes. This surface mounted luminaire utilizes a one-piece housing, security lensing and tamper-resistant fasteners to maximize impact resistance and prevent contraband concealment and unauthorized fixture penetration. Internal Security Hinge allows for fixture maintenance while preventing access to the fixture, as well as preventing weapon fabrication from an exposed hinge. The BAX is ideal for confinement/security applications. Suitable for use in Behavioral Health Facilities, Public Housing, Detention Centers, Transportation, Athletic Facilities and more. Perfect for minimum to maximum security confinement.

**FASTENERS:** Stainless steel tamper-resistant T25 TORX screws are standard. Allen-head screws with center reject pin are optional.

**ELECTRICAL SYSTEM:** Electronic driver 0-10V 1% dimming standard. Long-life LED system rated for >100K hours (L70 @ 25°C). Complies with federal energy efficiency standards.

**OPTICAL SYSTEM:** Choice of prismatic acrylic, prismatic polycarbonate or prismatic tempered glass on fixture side, clear polycarbonate or clear tempered glass on environmental side. Lens secured by thru-studs and vertically adjustable internal CRS holdowns.

**LISTINGS:** Designed for damp locations. Wet location option available. ETL listed.

**FINISH:** High gloss, electrostatically applied, white powder coat finish, average minimum reflectance 92%.

**BACKPLATE:** Die-formed 14 gauge cold roll steel backplate.

**HOUSING:** Die-formed body in various material options with continuous welded and ground ends to form a one piece, seamless housing for maximum impact resistance and prevention of unauthorized fixture penetration.

**LED:** 80 CRI or 90 CRI LEDs available in 2700K, 3000K, 3500K, 4000K and 5000K. LED Life is >100,000 hours at 70% lumen maintenance.

**INTERNAL HINGE:** Internal Security Hinge allows for fixture maintenance while preventing access to the fixture, as well as preventing weapon fabrication from an exposed hinge.

**WARRANTY:** 5-Year Limited Warranty. Complete warranty and terms located at: [www.aelnow.com/warranty](http://www.aelnow.com/warranty)

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### ORDERING INFORMATION:

Example: BAX-12-40-B14-B14-INS-PA156-M-FZ

SERIES	SIZE	CCT	OUTPUT	HOUSING MATERIAL	DOOR TYPE	DOOR TYPE
BAX	12 1X2 14 1X4	27 2700K 30 3000K 35 3500K 40 4000K 50 5000K	2L 2000 Lumens 3L 3000 Lumens 4L 4000 Lumens 5L 5000 Lumens XXXL Custom Lumens	B12 12 Gauge Cold Roll 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 SH18 18 Gauge Stainless 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 SH18 18 Gauge Stainless Steel	INS Inset Door OVL Overlap Door  *Anti-Ligature only available with Inset Door

INNER LENS	OUTER LENS	VOLTAGE	DRIVER	OPTIONS
N No Lens PA125 .125 Prismatic Acrylic (inverted) PA156 .156 Prismatic Acrylic (inverted) PP125 .125 Prismatic Polycarbonate (inverted) PP187 .187 Prismatic Polycarbonate (inverted) CTG/PA Clear Tempered Glass with Prismatic Acrylic Overlay FA Frosted Acrylic 125P .125 Clear Polycarbonate 156P .156 Clear Polycarbonate 187P .187 Clear Polycarbonate SY Symmetric Diffused Frosted DR Acrylic	125P .125 Clear Polycarbonate 156P .156 Clear Polycarbonate 187P .187 Clear Polycarbonate 250P .250 Clear Polycarbonate 375P .375 Clear Polycarbonate CTG187 .187 Clear Tempered Glass CTG250 .250 Clear Tempered Glass CTG375 .375 Clear Tempered Glass CTG500 .500 Clear Tempered Glass	M 120/277V HV 347-480VAC	BLANK 0-10V 1% Dimming Driver (included standard) CD5 0-10V 5% to Off Dimming Driver EDN Electronic Driver Non-Dimming DALI 1% Dimming Driver LDE1 Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology	14EBL 14 Watt Emergency Ballast AH Allenhead Screws with center pin reject LN LED Night Light (Consult factory for available CCT) FZ Fuse Holder WL Wet Location UV .005 UV Absorbing Overlay 90 90 CRI AM Antimicrobial White Paint IS Internal Occupancy Sensor (Microwave) IPH Full Length Internal Piano Hinge Door Frame

Other options and configurations are available. Consult factory for details.

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#### ENERGY AND PERFORMANCE DATA

INPUT VOLTAGE:	120/277VAC
SYSTEM INPUT POWER:	12.5 - 31.3 WATTS*
DELIVERED LUMEN OUTPUT:	2000 - 6000 LUMENS
STANDARD DIMMING CONTROL:	0-10V
CCT:	2700, 3000, 3500, 4000, 5000 KELVIN
CRI:	80 (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

PART#	DELIVERED LUMENS	WATTS	L70 @20C (HRS)
2L	2000	12.5	>100K
3L	3000	18.8	>100K
4L	4000	25.0	>100K
5L	5000	31.3	>100K

\*ACTUAL WATTAGE MAY DIFFER BY ±5% WHILE OPERATING 120/277V ±10%

