



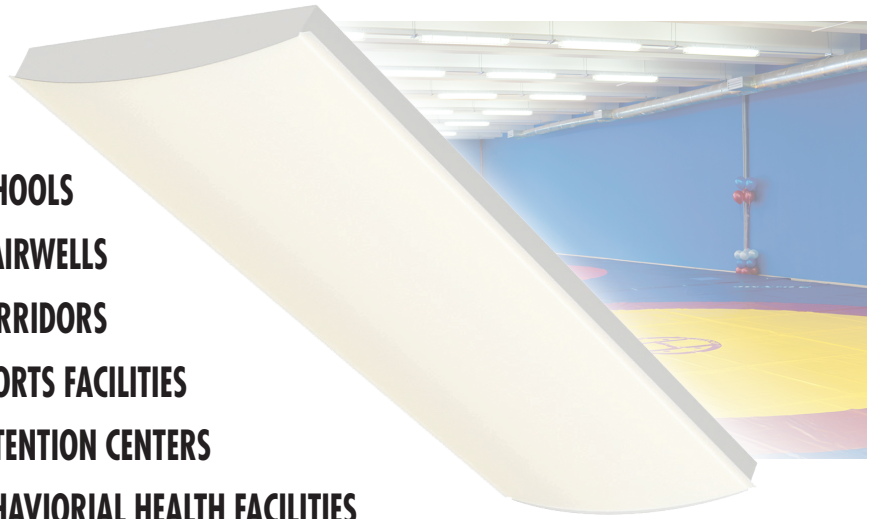
CATALOG #:

PROJECT:

TYPE:

# BAO

**SURFACE MOUNT  
LED LUMINAIRE**



- SCHOOLS
- STAIRWELLS
- CORRIDORS
- SPORTS FACILITIES
- DETENTION CENTERS
- BEHAVIORIAL HEALTH FACILITIES
- PUBLIC TRANSPORTATION AREAS



The **BAO** is a streamlined high abuse fixture with smooth edges and countersunk fasteners. Steel end caps and steel body provides strength while an extruded linear ribbed polycarbonate lens obscures the LED image and spreads light evenly. Sloped edge design for anti-ligature applications. The BAO is ideal for areas where the need for aesthetics and protection from vandalism are critical. Suited for areas such as: schools, behavioral health facilities, stairwells, corridors, detention centers, and public transportation areas. All BAO's are 12" wide.

**CONSTRUCTION:** Heavy duty, 18 ga. steel housing and end caps provide rigid construction. Stainless-steel and .063" aluminum available. See options for 7/8" knockouts in end caps for continuous row mounting.

**FASTENERS:** Tamper-proof Torx head with center-pin fasteners included standard. Allenhead with center-pin fasteners optional.

**OPTICAL SYSTEM:** One-piece extruded UV stabilized opal polycarbonate standard. Ribbed design provides even light distribution while obscuring lamp image and direct glare. Nominal lens thickness = 0.135".

**ELECTRICAL SYSTEM:** Electronic drivers are available for 120/277V applications, 0-10v dimming standard. Long-life LED system rated for >100K life hours (L70 @ 45°C). Metal gear tray for internal LED driver. Complies with federal energy efficiency standards. Consult factory for special tuning to achieve specific lumen outputs.

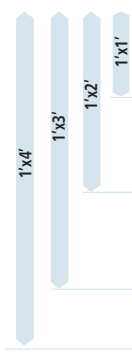
**MOUNTING:** This fixture is designed for wall or ceiling mounting.

**LISTINGS:** ETL and cETL Listed. Damp location rated. Manufactured in the USA, BAA compliant.

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

Ordering Information on Next Page

Ordering Example: BAO-4-40-11L-B18-OS-M-90

SERIES	SIZE	CCT	OUTPUT	HOUSING	LENS
BAO	1 1'X1' 2 1'X2' 3 1'X3' 4 1'X4'	30 3000K 35 3500K 40 4000K 50 5000K	 1L 1000 Lumens 2L 2000 Lumens 4L 4000 Lumens 7L 7000 Lumens 11L 11000 Lumens 12L 12000 Lumens 13L 13000 Lumens 15L 15000 Lumens 16L 16000 Lumens 20L 20000 Lumens 25L 25000 Lumens XX Custom Lumens	B18 18 Gauge Cold Rolled Steel B20 20 Gauge Cold Rolled Steel SHP18 18 Gauge Stainless Steel (Painted 304) SHP186 18 Gauge Stainless Steel (Painted 316) SHB18 18 Gauge Stainless Steel (Brushed 304) SHB186 18 Gauge Stainless Steel (Brushed 316) ALH .063" Aluminum	OS Opal Smooth Polycarbonate

Delivered lumens vary based on length of unit. Consult factory for more info

VOLTAGE	DRIVER	OPTIONS
M Multi-Volt (120-277V)	BLANK 0-10V 1% Dimming Driver (included standard) CD5 0-10V 5% to Off Dimming Driver EDN Electronic Driver Non-Dimming DALI 1% Dali Dimming Driver LDE1 Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology	14EBL 14 Watt Emergency Ballast OCX Integrated Motion/Occupancy Sensor (within lens) OCXE Occupancy Sensor Mounted in End External Box OCXS Occupancy Sensor Mounted in Side External Box IP63 IP63 Compliant GL Gasket to Lens TH5 Torx Head Center Pin Rejected KO1 Knockouts on 1 end KO2 Knockouts on both ends 90 90 CRI

Dimensions on Next Page 

ENERGY AND PERFORMANCE DATA

INPUT VOLTAGE:	120/277VAC
SYSTEM INPUT POWER:	6.25 - 173.4 WATTS*
DELIVERED LUMEN OUTPUT:	1000 - 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

PART#	DELIVERED LUMENS	WATTS	L70 @20C (HRS)
1L	1000 LUMENS	6.25	>100K
2L	2000 LUMENS	12.5	>100K
4L	4000 LUMENS	25.0	>100K
7L	7000 LUMENS	43.8	>100K
11L	11000 LUMENS	68.8	>100K
12L	12000 LUMENS	75.0	>100K
15L	15000 LUMENS	93.8	>100K
16L	16000 LUMENS	100.0	>100K
20L	20000 LUMENS	125.0	>100K
25L	25000 LUMENS	173.4	>100K

**FIXTURE DIMENSIONS**

