

# BAS

Surface Mount LED Prison Grade



STANDARD



OPTIONAL



## SPECIFICATIONS

### DESCRIPTION

The BAS LED combines maximum security construction with energy saving technology. The BAS is ideal for confinement/security applications. This surface mount luminaire is perfect for applications such as inmate cells, psychiatric wards, secure corridors and general population areas. UL listed for damp locations.

### FASTENERS

Stainless steel tamper-resistant center pin TORX screws standard. Allen-head screws with center pin optional.

### ELECTRICAL SYSTEM

Electronic driver 120-277V, standard 0-10V dimming. Long-life LED system rated for >100K hours (L70 @ 50°C). Complies with federal energy efficiency standards.

### OPTICAL SYSTEM

Various lensing options available. Available with choice of inner and outer lenses, prismatic inner lens and clear outer lens recommended.

### LISTINGS

UL and CUL listed for damp locations. Manufactured in the USA, BAA Compliant.

### FINISH

The BAS is TGIC polyester powder coated white using a 5-stage pre-treatment. Consult factory for other finishes.

### HOUSING

Clamshell housing combines one-piece die-formed, seamless, and door-less housing which maximizes impact resistance and prevents contraband concealment and unauthorized fixture penetration. Available in various materials and thickness. The corners are seam welded and smooth.

### LED

2700K, 3000K, 3500K, 4000K and 5000K CCT LEDs, >82 CRI. 90 CRI available. Life is >100,000 hours at 70% lumen maintenance.

### BACKPLATE

1/4" minimum die-formed blade trap is preventative against contraband concealment and access to the fixture. Embossed standoffs prevent distortion.

### WARRANTY

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

Output	Delivered Lumens	System Wattage	L70 @50°C (hrs)
S	4650	33	>100K
M	7974	57	>100K
H	11150	80	>100K

\* Delivered Lumens shown were tested with 4000K LEDs and ASR (asymmetric/symmetric grid) lens.

Approximate Color Temperature Multiplier	
5000K	1.03
4000K	1
3500K	0.97
3000K	0.94
2700K	0.91

**ORDERING INFORMATION**

Example: BAS-40-M-PA125-187P-B14-B14-M

SERIES	COLOR TEMP	OUTPUT	INNER LENS	OUTER LENS
<b>BAS</b>	<b>30</b> 3000K	<b>S</b> Standard	<b>PA125</b> .125 Prismatic Acrylic	<b>125P</b> .125 Clear Polycarbonate
	<b>35</b> 3500K	<b>M</b> Medium	<b>PP125</b> .125 Prismatic Polycarbonate	<b>187P</b> .187 Clear Polycarbonate
	<b>40</b> 4000K	<b>H</b> High	<b>PP156</b> .156 Prismatic Polycarbonate	<b>250P</b> .250 Clear Polycarbonate
	<b>50</b> 5000K		<b>PP187</b> .187 Prismatic Polycarbonate	<b>375P</b> .375 Clear Polycarbonate
			<b>TG</b> .156 Prismatic Tempered Glass	<b>500P</b> .500 Clear Polycarbonate
			<b>FA</b> .125 Frosted Acrylic	<b>F1</b> .187 Clear Tempered Glass
			<b>S</b> .080 Satin Acrylic	<b>G1</b> .250 Clear Tempered Glass
				<b>H1</b> .375 Clear Tempered Glass
				<b>I1</b> .500 Clear Tempered Glass

HOUSING		BACKPLATE	
<b>B12</b>	12 Gauge Cold Roll Steel (White)	<b>B12</b>	12 Gauge Cold Roll Steel (White)
<b>B14</b>	14 Gauge Cold Roll Steel (White)	<b>B14</b>	14 Gauge Cold Roll Steel (White)
<b>B16</b>	16 Gauge Cold Roll Steel (White)	<b>B16</b>	16 Gauge Cold Roll Steel (White)
<b>B18</b>	18 Gauge Cold Roll Steel (White)	<b>B18</b>	18 Gauge Cold Roll Steel (White)
<b>B20</b>	20 Gauge Cold Roll Steel (White)	<b>B20</b>	20 Gauge Cold Roll Steel (White)
<b>SH14</b>	14 Gauge Stainless Steel (White)	<b>SH14</b>	14 Gauge Stainless Steel (White)
<b>SH16</b>	16 Gauge Stainless Steel (White)	<b>SH16</b>	16 Gauge Stainless Steel (White)
<b>SH18</b>	18 Gauge Stainless Steel (White)	<b>SH18</b>	18 Gauge Stainless Steel (White)
<b>SH20</b>	20 Gauge Stainless Steel (White)	<b>SH20</b>	20 Gauge Stainless Steel (White)
<b>SHB14</b>	14 Gauge Stainless Steel (Brushed)		
<b>SHB16</b>	16 Gauge Stainless Steel (Brushed)		

DRIVER		VOLTAGE	OPTIONS	
<b>Blank</b>	0-10V Dimming Driver (included standard)	<b>M</b> 120/277V	<b>12EBL</b>	1200 Lumen Emergency Ballast
<b>CD1</b>	0-10V 1% to Off Dimming Driver		<b>NTP</b>	Non-tamper Proof Fasteners (Phillips-head screws)
<b>CD5</b>	0-10V 5% to Off Dimming Driver		<b>AH</b>	Allen Head Screws With Center Reject
<b>EDN</b>	Electronic Driver Non-Dimming		<b>LN</b>	LED Night Light (Consult Factory for Available Colors/Temps)
<b>FLDD</b>	Fifth Light Dali, Dimming		<b>FZ</b>	Fuse & Holder
<b>LDE1</b>	Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology		<b>90</b>	90 CRI

