

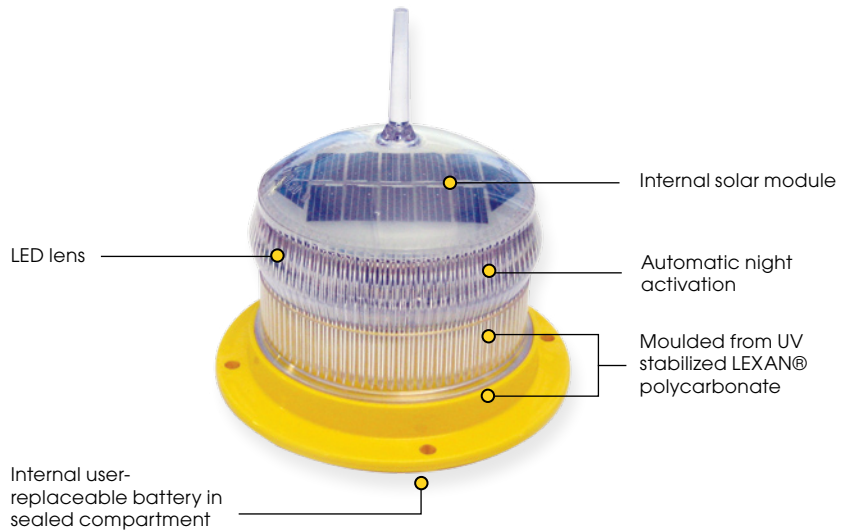
AV15 Solar Aviation Light

Typical Applications

- Solar Barricade Light
- Solar Caution Light
- Solar Hazard Light

Major Benefits

- 1.8km visible range (flashing)
- Integrated solar/battery system
- IP68 waterproof rating
- User-replaceable battery
- Ultra-high intensity LEDs (no changing globes ever)



The AV15 solar-powered LED light is exceptional value, incorporating some of the most advanced technology available to provide a 1.8km visible range. The unit is suitable for a variety of applications including barricade lighting and general hazard marking, and is used by some of the world's largest mining companies to mark haul routes.

This compact light is designed to be completely maintenance free and have a service life of over 5 years.

During daylight hours the solar module charges the battery and then on dusk the light automatically begins operation- once the ambient light threshold drops sufficiently.

The AV15 features the LED 360° Reflector (US Pat. No. 6,667,582. AU Pat. No. 778,918) to maximize the intensity and uniformity of the horizontal light output. The tough polycarbonate lens is specifically designed for use with LEDs and incorporates an environment-friendly spike to deter unwelcome bird life.

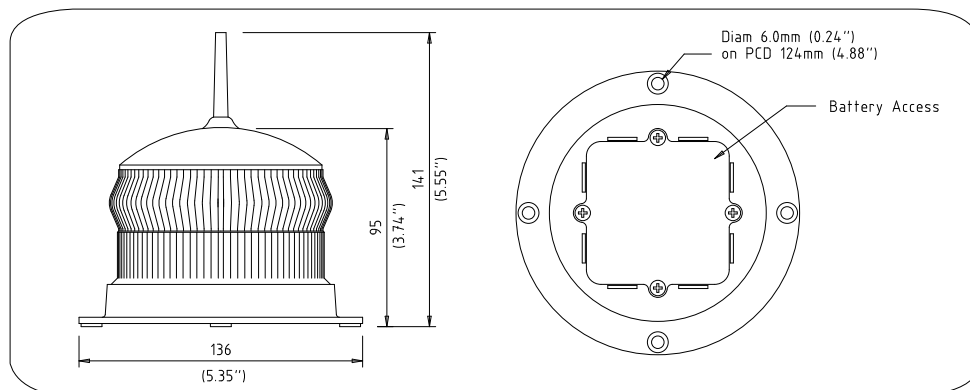
The unit is sealed using an advanced ultrasonic weld, enabling a rugged and completely waterproof seal capable of continuous environmental exposure (IP68).

The AV15 is also available with an optional ON/OFF switch for temporary installations such as worksites.



Accepted by Commercial Part
139 Airports under the FAA
Advisory Circular AC150/5370-2E
for construction and barricade
installations.





SPECIFICATIONS •

Light Characteristics

Light Source	4 ultra-high intensity LEDs
Available Colours	Red, Green, White, Yellow, Amber, Blue, Sectored Combinations
Peak Intensity (cd)	>1.5 flashing, >0.5 fixed-on
Visible Range (nm)	>1 flashing, >0.5 fixed-on
Horizontal Output (degrees)	360
Vertical Divergence (degrees)	9
Reflector Type	Omnidirectional 360° LED Reflector (US Pat. No. 6,667,582, AU Pat. No. 778,918)
Available Flash Characteristics	>250 including fixed-on (pre-set during manufacturing)
LED Life Expectancy (hours)	>100,000

Electrical Characteristics

Operating Voltage (v)	3.6
Autonomy (days)	>20 (14 hour darkness, 12.5% duty cycle)
Temperature Range	-40 to 80 °C

Solar Characteristics

Solar Module Type	Multicrystalline
Output (watts)	0.45
Solar Module Efficiency (%)	14
Charging Regulation	Microprocessor controlled

Power Supply

Battery Type	High grade NiMH - Environment friendly
Battery Capacity (Ah)	1.6
Nominal Voltage (v)	3.6

Physical Characteristics

Body Material	LEXAN® Polycarbonate - UV stabilized
Lens Material	LEXAN® Polycarbonate - UV stabilized
Lens Diameter (mm/inches)	110 / 4 ¹ / ₃
Lens Design	External optics with interior flute design
Mounting	4 x 6mm mounting holes
Height (mm/inches)	141 / 5 ¹ / ₂
Width (mm/inches)	136 / 5 ³ / ₈
Mass (kg/lbs)	0.6 / 1 ¹ / ₃
Product Life Expectancy	Up to 12 years

Certifications

CE	EN61000-6-3:1997, EN61000-6-1:1997
Quality Assurance	ISO9001:2000
Waterproof	IP68

Intellectual Property

Patents	US Pat. No. 6,667,582, AU Pat. No. 778,918
Trademarks	AVLITE® is a registered trademark of Avlite Systems

Warranty

Full 3 year warranty

Options Available

- ON/OFF switch
- IR

CE

• Specifications subject to change or variation without notice