

AV-15 Solar Aviation Light



The AV-15 solar powered single LED light is exceptional value, incorporating some of the most advanced technology available to provide up to a 3.5km visible range (flashing). 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 AV-15 features Avlite's single LED Optic boasts exceptional power to light output efficiency, increased light output uniformity and increased conspicuity. 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 AV-15 is also available with an optional ON/OFF switch for temporary installations such as worksites.

Compliance

FAA AC150/5370-2E for construction and barricade installations



MORE IMAGES OF THE AV-72-RF



Used by some of the world's largest mining companies to mark haul routes



Flash Characteristics is selected via internal rotary switch located in the battery compartment

FEATURES OF THE AV-15

- Up to 3.5km visible range (flashing), up to 1.5km visible range (steady-on) - colour dependant
- Integrated solar/battery system
- User-adjustable flash rates, including steady-on
- Ultra-high intensity Single LED
- Automatic night activation
- Completely sealed for IP68 waterproof rating

ADVANTAGES OF THE AV-15

- Extremely low maintenance
- Completely waterproof - IP68 rated
- User-replaceable NiMH battery for long service life & wide temperature range
- Meets requirements for barricade lighting and construction installations
- Full 3 year warranty

OPTIONS AVAILABLE FOR THE AV-15

- External ON/OFF Switch
- IR

SPECIFICATIONS

Light Characteristics

Light Source	Single LED
Available Flash Colors	Blue, Red, Green, White, Yellow
Maximum Available Intensity	Up to 7.6cd (flashing). Up to 2.0cd (steady-on).
Visible Range	Up to 3.5km (Flashing) and 1.5km steady-on (colour dependant)
Vertical Divergence	7°
Reflector Type	Single LED Optic
Available Flash Characteristics	16 including steady-on (user-adjustable)
Intensity Adjustments	32 automatic step-down settings based on power demand of flash code selection from 100% at 10% duty cycle through 25% at fixed on.
LED Life Expectancy	>100,000 hours

Solar Characteristics

Solar Module Type	Multicrystalline
Output	0.45W
Solar Module Efficiency	14%
Charging Regulation	Microprocessor controlled

Power Supply

Battery Type	High grade NiMH - Environmentally Friendly
Battery Capacity	1.6Ah
Nominal Voltage	3.6V (nominal)

Certifications

CE	EN61000-6-3:1997, EN61000-6-1:1997
Quality Assurance	ISO9001:2008
Waterproof	IP68

Warranty

Warranty	3 years. Subject to standard terms & conditions.
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Electrical Characteristics

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Physical Characteristics - Lights

Body Material	LEXAN® Polycarbonate - UV stabilized
Lens Material	LEXAN® Polycarbonate - UV stabilized
Lens Diameter (mm/inches)	98 / 3.87
Lens Design	Single LED Optic
Mounting	4 x 6mm mounting holes
Height (mm/inches)	141/5.5
Width (mm/inches)	136/5.37
Mass (Kg/lbs)	0.5/1.13

Intellectual Property

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



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