



Flight Light Inc.
 2708 47th Ave.
 Sacramento, California, U.S.A.
 95822-3806

PH (916) 394-2800 FX (916) 394-2809
TF (800) 806-3548 EM info@flightlight.com

AV15
Solar Aviation Light
Avlite

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)

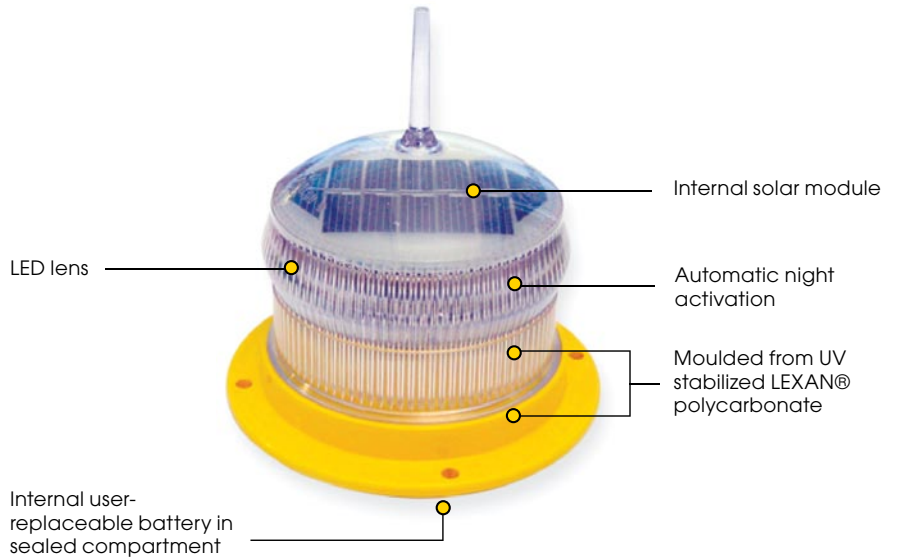
The AV15 solar-powered LED light is exceptional value, incorporating some of the most advanced technology available to provide a 1.8km visible range. The unit is suitable for a variety of applications including barricade lighting and general hazard marking, and is used by some of the world's largest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



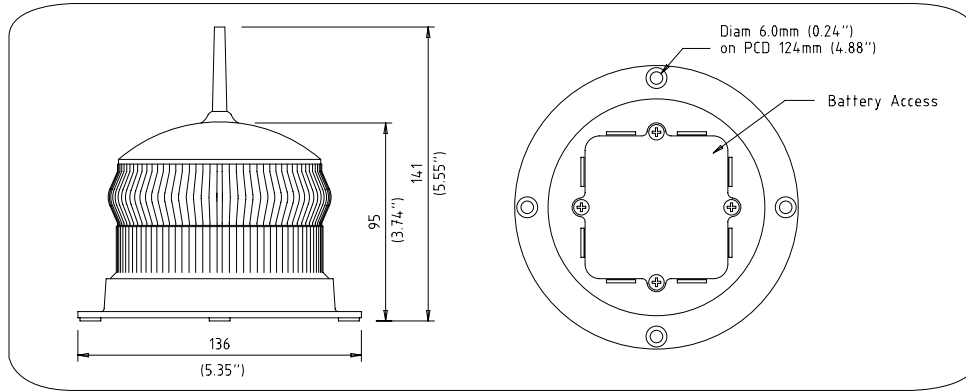
Visit our web site: www.flightlight.com



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SPECIFICATIONS •

Light Characteristics

Light Source
 Available Colours
 Peak Intensity (cd)
 Visible Range (nm)
 Horizontal Output (degrees)
 Vertical Divergence (degrees)
 Reflector Type
 Available Flash Characteristics
 LED Life Expectancy (hours)

4 ultra-high intensity LEDs
 Red, Green, White, Yellow, Amber, Blue, Sectored Combinations
 >1.5 flashing, >0.5 fixed-on
 >1 flashing, >0.5 fixed-on
 360
 9
 Omnidirectional 360° LED Reflector (US Pat. No. 6,667,582, AU Pat. No. 778,918)
 >250 including fixed-on (pre-set during manufacturing)
 >100,000

Electrical Characteristics

Operating Voltage (v)
 Autonomy (days)
 Temperature Range

3.6
 >20 (14 hour darkness, 12.5% duty cycle)
 -40 to 80 °C

Solar Characteristics

Solar Module Type
 Output (watts)
 Solar Module Efficiency (%)
 Charging Regulation

Multicrystalline
 0.45
 14
 Microprocessor controlled

Power Supply

Battery Type
 Battery Capacity (Ah)
 Nominal Voltage (v)

High grade NiMH - Environment friendly
 1.6
 3.6

Physical Characteristics

Body Material
 Lens Material
 Lens Diameter (mm/inches)
 Lens Design
 Mounting
 Height (mm/inches)
 Width (mm/inches)
 Mass (kg/lbs)
 Product Life Expectancy

LEXAN® Polycarbonate - UV stabilized
 LEXAN® Polycarbonate - UV stabilized
 110 / 4^{1/3}
 External optics with interior flute design
 4 x 6mm mounting holes
 141 / 5^{1/2}
 136 / 5^{3/8}
 0.6 / 1^{1/3}
 Up to 12 years

Certifications

CE
 Quality Assurance
 Waterproof

EN61000-6-3:1997, EN61000-6-1:1997
 ISO9001:2000
 IP68

Intellectual Property

Patents
 Trademarks

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

Warranty

Full 3 year warranty

Options Available

- ON/OFF switch
- IR

• Specifications subject to change or variation without notice

Visit our web site: www.flightlight.com