



Flight Light Inc.
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AV60 Solar Aviation Light Avlite

Typical Applications

- Solar Barricade Light
- Solar Caution Light
- Solar Hazard Light
- Solar Taxiway Light (ICAO)

Major Benefits

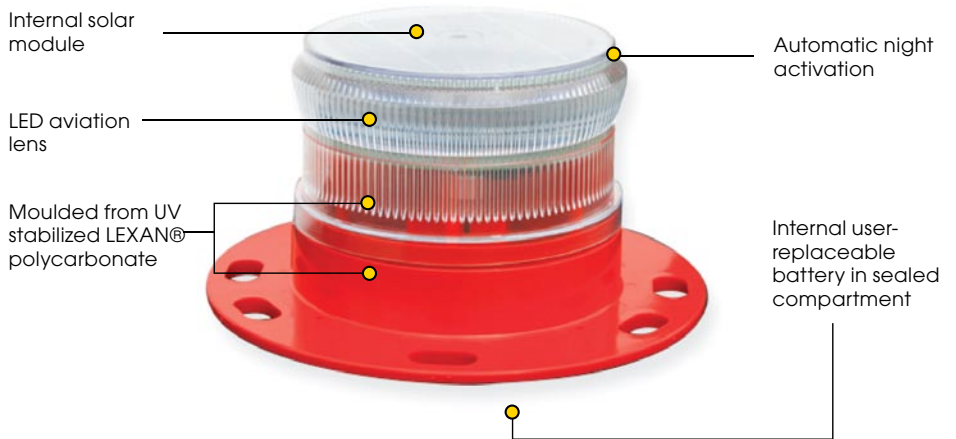
- 3.7km visible range (flashing)
- Integrated solar/battery system
- IP68 waterproof rating
- User-replaceable battery
- ICAO Compliant AV60 Solar Taxiway Light
- Ultra-high intensity LEDs (no changing globes ever)

The AV60 solar LED light provides in excess of 3.7km visible range, and is suitable for a variety of applications including taxiway, general hazard, and barricade lighting.

Designed to be maintenance-free and have a service life of up to 12 years, the popular AV60 model boasts user-adjustable intensity settings and can be set onsite to either fixed-on or flashing operation. The light is simply switched 'ON', and the unit is ready for immediate operation. Once installed, the AV60 requires no operator intervention.

The internal solar module charges the battery during daylight hours, and at dusk the light will automatically begin operation - once the ambient light threshold drops sufficiently. The battery is housed in a sealed compartment allowing the battery to be changed after years of service.

Coupled with the latest LED technology, and a highly efficient DC/DC converter, the light may provide over 25 days of continuous operation without sunlight. The AV60 comes with a large 200mm OD base pattern, and is available with voltage-free contact for remote monitoring.



AV60-SYNC

The AV60-SYNC is a hard-wired synchronized-flashing version of the popular AV60 solar aviation light. The installer simply connects the lanterns using a hardwired connection to maintain synchronized flash patterns when required on multiple lantern installations.

This lantern, which includes a 1-meter pigtail wire, features proprietary high performance software to analyze the synchronization signals shared by connected lanterns. Should one be damaged, the other lanterns will select a 'master' and continue flashing in sequence. If the wiring is damaged, all lanterns continue to operate independently.

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

The AV60 Solar Taxiway Light meets the requirements of ICAO Annex 14 Volume 1, "Aerodrome Design and Operations", Fourth edition July 2004, paragraph 5.3.17.7.

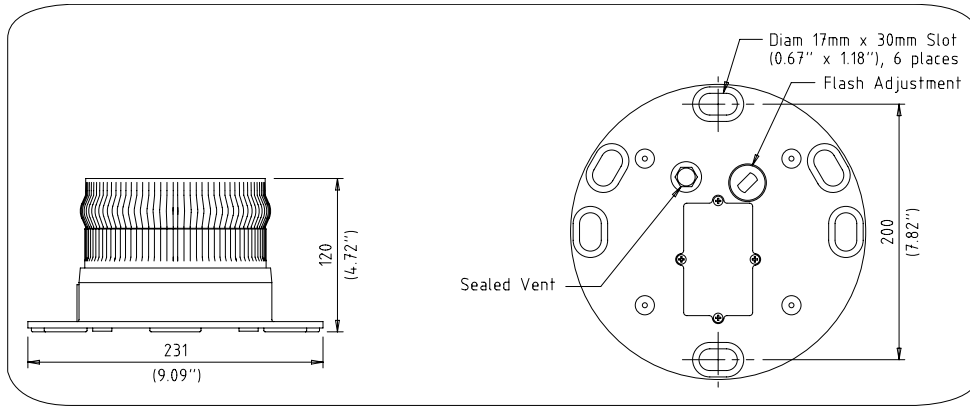
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SPECIFICATIONS •

Light Characteristics

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

6 ultra-high intensity LEDs
 Red, Green, White, Yellow, Amber, Blue, Sectored Combinations
 >11 flashing, >4 fixed-on
 >2,4 flashing, >1.5 fixed-on
 360
 9
 Omnidirectional 360° LED Reflector (US Pat. No. 6,667,582. AU Pat. No. 778,918)
 >250 including fixed-on (user-adjustable)
 Adjustable in 25% increments
 >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
 1.4
 14
 Microprocessor controlled

Power Supply

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

High grade NiMH – Environment friendly
 8
 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
 140 / 5½
 External optics with interior flute design
 6 x 17mm holes on 200mm PCD
 120 / 4¾
 231 / 9¼
 1.1 / 2⅜
 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

- Hard-wire synchronization
- Voltage-free contact
- IR



• Specifications subject to change or variation without notice

Visit our web site: www.flightlight.com