

Solar Aviation Light

AV-OL-60



Solar powered, self-contained
LED optic
Moulded from UV-stabilised LEXAN® polycarbonate
Automatic night activation
Easy installation
Internal user-replaceable battery in sealed compartment

Features

Integrated solar/battery system
Internal high-performance solar module to maximize solar collection
IP68 waterproof rating
User-replaceable battery
Ultra-high intensity LEDs (no changing globes ever)

Applications

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

Compliance

FAA AC150/5370-2F for construction and barricade installations
ICAO Annex 14 Volume 1, 'Aerodrome Design and Operations', paragraph 5.3.17.7.

The AV-OL-60 is a field proven, low maintenance, self-contained solar LED light that is suitable for a variety of applications including general hazard, caution, barricade and low-intensity obstruction lighting.

Manufactured using latest in LED technology, the popular AV-OL-60 model boasts user-adjustable intensity and flash code settings that can be easily modified on site as required. Once activated, the light is ready for immediate operation and requires no operator intervention after installation.

Utilizing the high performance in-built solar module to charge the battery during daylight hours and the internal photo diode to detect ambient light, the AV-OL-60 achieves true self-sufficient dusk-till-dawn operation in a small form factor environmentally sealed package that can be installed in minutes.

The versatile nature of the AV-OL-60 means it is also suitable for a range of taxiway applications.

Optional ON/OFF Switch & External Charging Port

This model can also be fitted with an optional, external ON/OFF switch for manual operation and/or an optional charging port for charging the battery while stored for extended periods..

Optional Larger Battery Pack

For regions where additional autonomy is required, this unit can also be supplied with a larger 16Ah battery pack.





† Intensity setting subject to solar availability

* Specifications subject to change or variation without notice

• Subject to standard terms and conditions

SPECIFICATIONS • * AV-OL-60

Light Characteristics

Light Source	1 LED
Available colors	Red as standard. Other colors available on request, including IR
Peak Intensity (cd)†	10
Horizontal Output (degrees)	360
Available Flash Characteristics	>250 including steady-on (user-adjustable)
Intensity Adjustments	Low: 25% Medium: 50% High: 100%
LED Life Expectancy (hours)	>100,000

Electrical Characteristics

Operating Voltage (V)	3.6
Power (W)	@ 100% intensity: 0.2W
Temperature Range	-40 to 80°C

Solar Characteristics

Solar Module Type	Multicrystalline
Output (watts)	1.4
Charging Regulation	Microprocessor controlled

Power Supply

Battery Type	High grade NiMH – Environmentally friendly
Battery Capacity (Ah)	8
Nominal Voltage (V)	3.6
Autonomy (nights)	Steady-on: 8Ah = 12 nights 16Ah (optional) = 24 nights

Physical Characteristics

Body Material	LEXAN® Polycarbonate – UV stabilized
Lens Material	LEXAN® Polycarbonate – UV stabilized
Lens Diameter (mm/inches)	140 / 5½
Lens Design	External optics with interior flute design
Mounting	6 x 17mm holes on 200mm PCD
Height (mm/inches)	120 / 4¾
Width (mm/inches)	231 / 9⅛
Mass (kg/lbs)	1.1 / 2½
Product Life Expectancy	12 years plus

Environmental Factors

Humidity	0 to 100%, MIL-STD-810F
Icing	3.41kg per square cm / 48.5lbs per square inch
Wind Speed	Up to 160kph / 100mph
Shock	MIL-STD-202G, Test Condition G, Method 213B
Vibration	MIL-STD-202G, Test Condition B, Method 204

Certifications

CE	EN61000-6-3:2007. EN61000-6-1:2007
Quality Assurance	ISO9001:2008
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 *

Options Available

- IR LEDs
- External ON/OFF Switch
- External Battery Charging Port
- 16Ah battery
- Solar Booster™



Royal Flying Doctor Service

Avlite donates AU\$20 to the Royal Flying Doctor Service from the sale of each AV-60 & AV-70 light within Australia

