

Solar Aviation Light

AV-OL-70 & AV-OL-70-HI

Avlite[®]
www.avlite.com
AUTHORISED DISTRIBUTOR



- Solar powered, self-contained
- Dual internal high-performance solar modules
- User-replaceable battery in sealed battery compartment
- Automatic night activation
- Tough UV-stabilised LEXAN[®] polycarbonate lens and light base

Features

- Integrated solar/battery system
- Dual internal high-performance solar modules angled to maximize solar collection
- Fast & easy to deploy – no programming
- IP68 waterproof rating
- User-replaceable battery
- Ultra-high intensity LEDs (no changing globes ever)

Applications

- Solar Barricade Light
- Solar Caution Light
- Solar Taxiway Light (ICAO)
- Solar Threshold Light
- 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-70 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-70 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 two in-built, high performance solar modules to charge the battery during daylight hours and the internal photo diode to detect ambient light, the AV-OL-70 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-70 means it is also suitable for a range of taxiway applications.

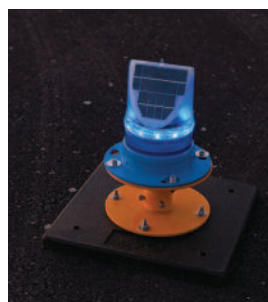
AV-OL-70-HI

The AV-OL-70-HI comes with a 16Ah battery and is a high intensity version of the popular AV-OL-70. It is ideal for use in high sunlight areas that receive a minimum of 3.5 hours of sun per day.

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.

The AV-SB-3 Solar Booster™ can be connected to the AV-OL-70 light to provide additional solar collection for charging the battery. The Avlite Solar Booster™ can be used in areas of reduced sunlight to help ensure optimum battery charge.



systemsinterface

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SPECIFICATIONS

AV-OL-70

AV-OL-70-HI

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) 2.5 (2 x 1.25watt)
 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: 12 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) 240 / 9½
 Width (mm/inches) 231 / 9 1/8
 Mass (kg/lbs) 1.1 / 2 3/8
 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-STD202G, 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
- Solar Booster™

1 LED
 Red as standard. Other colors available on request, including IR
 10
 360
 >250 including steady-on (user-adjustable)
 Low: 25% Medium: 50% High: 100%
 >100,000

3.6
 @ 100% intensity: 0.2W
 -40 to 80°C

Multicrystalline
 2.5 (2 x 1.25watt)
 Microprocessor controlled

High grade NiMH – Environmentally friendly
 16
 3.6
 Steady-on: 16Ah = 24 nights

LEXAN® Polycarbonate – UV stabilized
 LEXAN® Polycarbonate – UV stabilized
 140 / 5½
 External optics with interior flute design
 6 x 17mm holes on 200mm PCD
 240 / 9½
 231 / 9 1/8
 1.1 / 2 3/8
 12 years plus

0 to 100%, MIL-STD-810F
 3.41kg per square cm / 48.5lbs per square inch
 Up to 160kph / 100mph
 MIL-STD-202G, Test Condition G, Method 213B
 MIL-STD202G, Test Condition B, Method 204

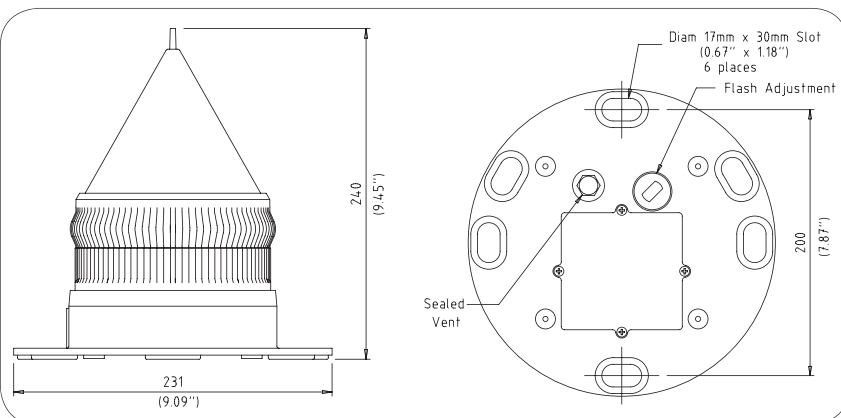
EN61000-6-3:2007 EN61000-6-1:2007
 ISO9001:2008
 IP68

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



• Specifications subject to change or variation without notice
 * Subject to standard terms and conditions
 † Intensity setting subject to solar availability



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

