

Radio Controlled Solar Helipad Light

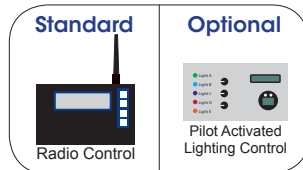
AV-HL-RF-SOL

Features

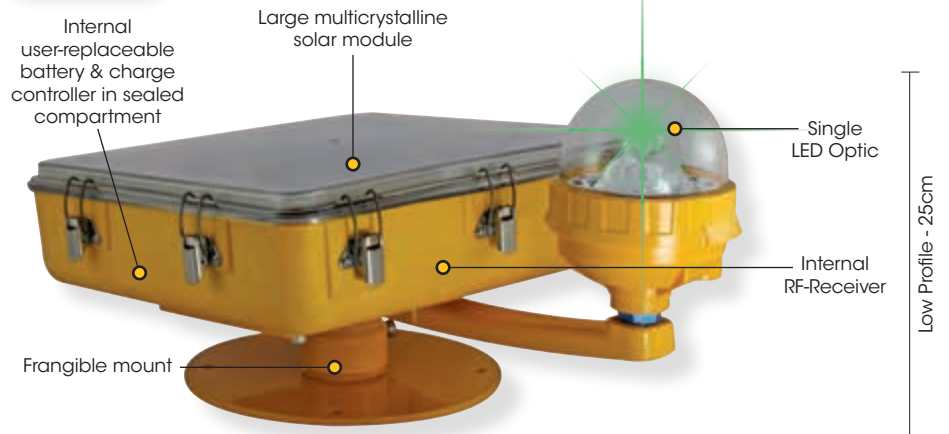
- Low profile to suit industry requirements
- Over 50hrs of continuous operation at ICAO Annex 14 Touchdown & Lift Off Area Perimeter Lights
- High intensity, energy efficient LEDs
- Solar powered for autonomous operation
- Custom lens optic designed specifically for helipad operations
- Worldwide 2.4GHz encrypted RF radio control
- 3-step intensity adjustment, including temporary high mode & dusk-till-dawn operation in low intensity mode
- Frangible point
- External battery charging port
- Hinged lid allowing fast battery access
- User-replaceable battery
- Lightweight, UV stabilised enclosure
- Optional NVG Mode - Illumination invisible to naked eye to support covert operations

Compliance

- Designed to meet ICAO Annex 14 - Aerodromes, Volume II 'Heliports', Second Edition July 1995. Touchdown & lift-off area perimeter lights - paragraph 5.3.8.21
- Compliance with the applicable requirements of Federal Aviation Administration, Memorandum Engineering Brief 87: Heliport Perimeter Light for Visual Meteorological Conditions Dated January 13, 2012



New Product



Avlite's helipad light is a solar-powered, wireless controlled, completely self-contained LED heliport light designed to meet the standards of ICAO Annex 14 Touchdown and Lift-off perimeter lights and FAA Engineering Brief 87 Heliport Perimeter Light for Visual Meteorological Conditions.

The solar powered helipad light gives over 50 hours of continuous operation at ICAO Annex 14 Touchdown and Lift-off perimeter light intensities.

The helipad light comes ready for operation straight from the box, simply bolt the light to the supplied frangible mount assembly and install.

The unit is made from tough, impact resistant polymers in aviation yellow. A premium grade solar module is integrated into the assembly and mounted to collect sunlight. The solar array charges the 16Ah battery during daylight hours.

The unit also comes with an external battery charging port to assist in keeping batteries charged when in storage. This allows fast charging for demanding usage profiles or for poor solar environments.

Avlite's solar powered helipad light utilizes the same controller as Avlite's AV-425-RF and AV-70-RF models which means a single controller can control multiple Avlite fixtures including the solar range of; heliport beacons, taxiway lights, obstruction lights, lighted windsock and other products.

The radio controller is designed to support a number of operational modes including 3-step intensity adjustment, and switching the system between visual and IR.

The solar powered helipad light and other Avlite fixtures may be supplied integrated with a Pilot Activated Lighting Control (PALC) for remote operation of an unmanned heliport.



Tactical Model with dual light heads for Visible & NVG/IR Modes



Radio Controlled Solar Helipad Light

AV-HL-RF-SOL

SPECIFICATIONS* *

AV-HL-RF-SOL

Light Characteristics

Light Source
LED
Available colors
Red, Green, White, Yellow, Amber, Blue
Peak Intensity @ temporary high (cd)
Up to 60cd (green)
Horizontal Output (degrees)
360
Vertical Divergence (degrees)
20° - 90°: 3cd min
13° - 20°: 8cd min
10° - 13°: 15cd min
5° - 10°: 30cd min
2° - 5°: 15cd min
>100,000

LED Life Expectancy (hours)

Electrical Characteristics

Circuit Protection
Integrated
Operating Voltage (V)
12
Temperature Range
-40 to 80°C

Solar Characteristics

Solar Module Type
Multicrystalline
Output (watts)
10
Solar Module Efficiency (%)
14
Charging Regulation
Microprocessor controlled

Power Supply

Battery Type
High Grade NIMH - environmentally friendly
Battery Capacity (Ah)
16
Nominal Voltage (V)
12
Autonomy (hours)
Over 50hrs of continuous operation at ICAO Annex 14 (high intensity)
Over 150hrs of continuous operation (medium intensity)
Over 500hrs of continuous operation (low intensity)

Radio Controlled

Frequency
2.4GHz ISM Band
Compliance
FCC / CE

Physical Characteristics

Body Material
UV stabilized polymer
Light Mount Material
7-stage powder coated aluminium
Lens Material
LEXAN® Polycarbonate - UV stabilized
Lens Diameter (mm/inches)
100 / 3 7/8
Lens Design
Single LED Optic
Mounting
Frangible mount
Height (mm/inches)
250 / 9 7/8
Length (mm/inches)
520 / 20 1/2
Width (mm/inches)
360 / 14 1/8
Mass (kg/lbs)
Approximately 14 / 30 7/8
Product Life Expectancy
Up to 12 years

Environmental Factors

Humidity
0 to 100%, MIL-STD-810F
Icing
22kg per square inch
Wind Speed
Up to 160kph

Certifications

CE
EN61000-6-3:1997. EN61000-6-1:1997
Quality Assurance
ISO9001:2008
Waterproof
IP67

Intellectual Property

Trademarks
AVLITE® is a registered trademark of Avlite Systems

Warranty*
3 year warranty

Options Available
• Avlite Pilot Activated Lighting Control
• IR LED

