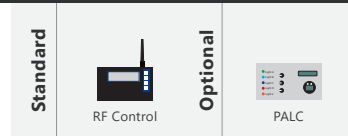




The **AV-HL-RF-SOL** is a self-contained solar heliport light designed to comply with FAA Engineering Brief 87 and ICAO Annex 14.

Key Features:

- Solar-powered, Self-Contained
- Low Profile to Suit Industry Requirements
- FAA and ICAO Compliant
- Optional NVG/IR Mode
- User Replaceable Battery
- Fast Battery Access via Hinged Lid



Solar-Powered, Self-Contained

The robust design of the AV-HL-RF-SOL self-contained helipad light ensures up to 12 years of reliable service with minimal ongoing maintenance. 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.

RF Control

The solar-powered helipad light utilizes the same controller as Avlite's AV-426 and AV-70, 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. This feature supports 3-step intensity adjustments as well as switching the system between visual and IR.

Optional NVG/IR Mode

The tactical model supports visible and NVG/IR modes with a dual light head configuration. The RF controller can switch between visual and IR output, and may be supplied with a Pilot Activated Lighting Control (PALC) for remote operation of an unmanned heliport.

FAA or ICAO Compliant

The AV-HL-RF-SOL complies with both FAA Heliport Perimeter Lights for Visual Meteorological Conditions and ICAO Touchdown and Lift-off Perimeter Lights. It has 3-step intensities including temporary high mode & dusk-til-dawn operation in low intensity mode, with over 50 hours of continuous operation at high intensity.



Radio Controlled Solar Helipad Light

AV-HL-RF-SOL

Light Characteristics

Light Source	LED
Available Colours	Red, Green, White, Yellow, Amber, Blue
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
Peak Intensity at Temporary High (cd)	Up to 60cd (Green)
LED Life Expectancy (hours)	> 100,000

Electrical Characteristics

Operating Voltage	12
Temperature Range	-40° to 80°C / -40° to 176°F

Solar Characteristics

Solar Module Type	Multicrystalline
Output (Watts)	10
Solar Module Efficiency (%)	14
Charging Regulation	Microprocessor Controlled

Power Supply

Battery Type	High Grade Nickel Metal Hydride (NiMH)
Battery Capacity (Ah)	16
Nominal Voltage (V)	12
Autonomy (hours)	50+ hours of continuous operation at ICAO Annex 14 (High) 150+ hours of continuous operation (Medium) 500+ hours of continuous operation (Low)

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 / 3.875
Lens Design	Single LED Optic
Mounting	Frangible Mount
Height (mm/inches)	242 / 9.51
Length (mm/inches)	513 / 20.21
Width (mm/inches)	365 / 14.36
Mass (kg/lbs)	14 / 30.875
Service Life	Up to 12 years

Environmental Standards

Wind Speed	Up to 160kph / 100mph
Humidity	0 to 100%, MIL-STD-810F

Compliance

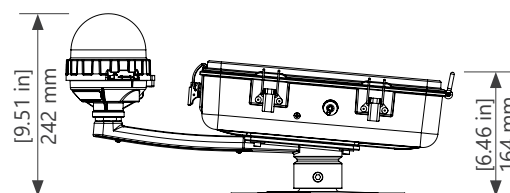
CE	EN61000-6.3:1997. EN61000-6-1:1997
Quality Assurance	ISO 9001:2015
Waterproof	IP67

Other

Warranty *	3 years
Options Available	Avlite Pilot Activated Lighting Control IR LED
Terms and Conditions	Please refer to the light installation manual for further specifications. Warranty Terms and Conditions - www.avlite.com

Technical Illustrations

Side View



Front View

