DWT-AV-HL-RF-SOL

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Radio-Controlled Solar Heliport Light

- Low profile to suit industry requirement
- High intensity, energy efficient LEDs
- Solar powered for autonomous operation
- 3-step intensity adjustment, including temporary high mode & dusk-till-dawn operation in low intensity mode

Typical Application

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Heliport Boundary Marking of Touchdown and Lift-off Area (T.L.O.F.)

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.

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. Avlite's solar powered helipad light utilizes the same controller as Avlite's AV425-RF and AV70-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 inluding 3-step intensity adjustment, and switching the system between visual and IR.

Compliant to:
✓ ICAO Annex 14

Fittings / Options:

✓ Pilot Activated Control
✓ IR-LEDs

PHYSICAL CHARACTERISTICS

Material	
Body	UV stabilized polymer
Light Mount	7-stage powder coated Aluminum
Optics	LEXAN® Polycarbonate – UV stabilized
Body Color	Aviation Yellow
Dimensions Battery Housing	
Length	520 mm
Width	360 mm
Height	250 mm
Diameter Optics	100 mm
Protection Class	IP67
Weight	Approx. 14 kg
Mounting	Frangible coupling with base plate
Temperature Range	- 40 to + 80 °C
Wind Speed	Up to 160 kph

OPTICAL CHARACTERISTICS

Light Source	LED
Light Colors	Red | Green | White | Yellow | Amber | Blue
Light Intensity (temporary)	Up to 60 cd
Intensity Settings	Low (10%), Medium (40%), High (100%)
Horizontal Divergence	360°
Vertical Divergence	
20° - 90°	3 cd min
13° - 20°	8 cd min
10° - 13°	15 cd min
5° - 10°	30 cd min
2° - 5°	15 cd min

ELECTRICAL CHARACTERISTICS

Operating Voltage	12 V
Battery Capacity	16 Ah, high performance rechargablie NiMH-Battery
Circuit Protection	Integrated
Solarpanel	
Type	Multicrystalline
Output	10 W
Efficiency	14 %
Charging Regulation	Microprocessor-controlled
Frequency Radio Control	2,4 GHZ ISM Band
Autonomy (ICAO, steady-ON)	
Low Intensity	> 500 hours
Medium Intensity	> 150 hours
High Intensity	> 50 hours

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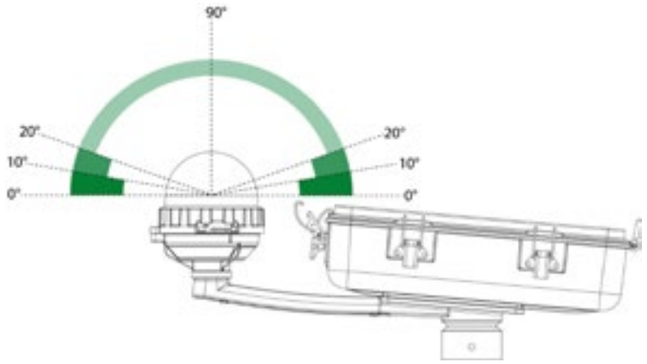
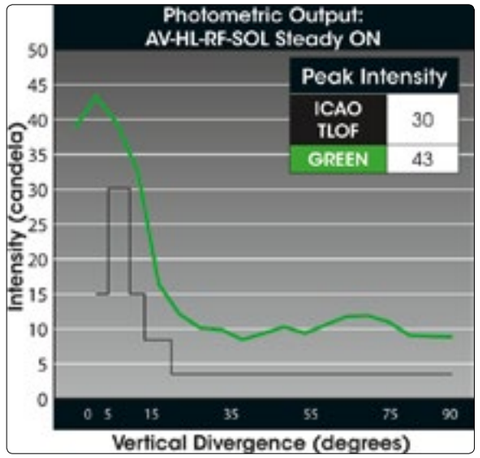
Radio-Controlled Solar Heliport Light

Avlite's solar powered floodlight utilizes the same wireless controller as the AV-425-RF and AV-70-RF models. This allows the single Avlite controller to control multiple Avlite fixtures including the solar range of; taxiway lights, approach lights, obstruction lights, lighted windsock and other products.

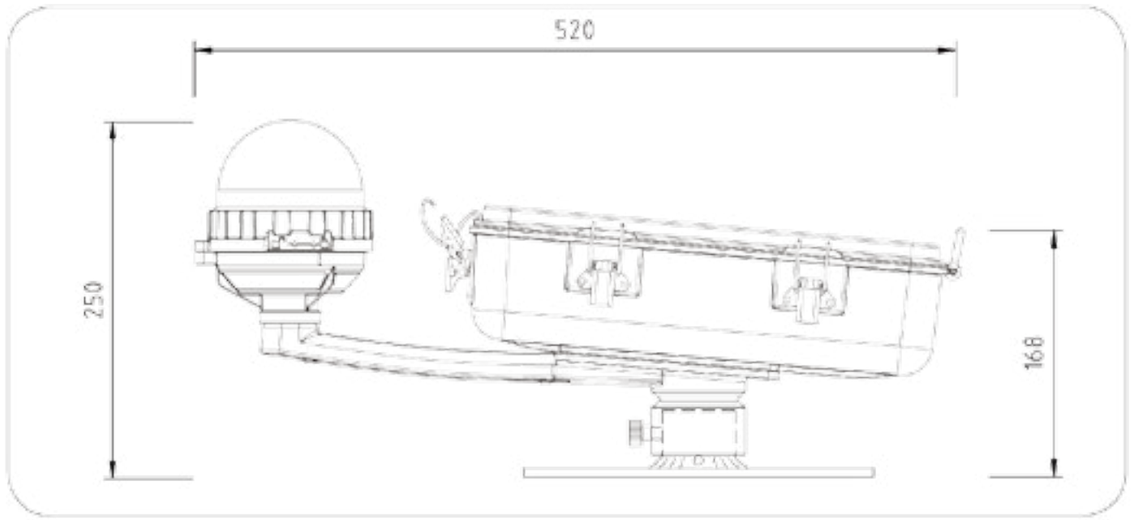
All fixtures, including the floodlight, can be wirelessly operated independently of each other or controlled as a single group.

PHOTOMETRY





DIMENSIONS



DWT-AV-HL-RF-SOL with additional IR-LED light head. Single light head also available with optional NVG mode.v