

# Red Solar Aviation Light

## AV-OL-60 Avlite

### Compliance

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

### Applications

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

### Features

- Solar powered, self-contained
- Easy installation
- Integrated solar/battery system
- Internal high-performance solar module to maximize solar collection
- IP68 waterproof rating
- Internal user-replaceable battery in sealed compartment
- Ultra-high intensity LEDs (no changing lamps ever)
- Molded from UV-stabilized LEXAN® polycarbonate
- Automatic night activation

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 built-in solar module to the 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

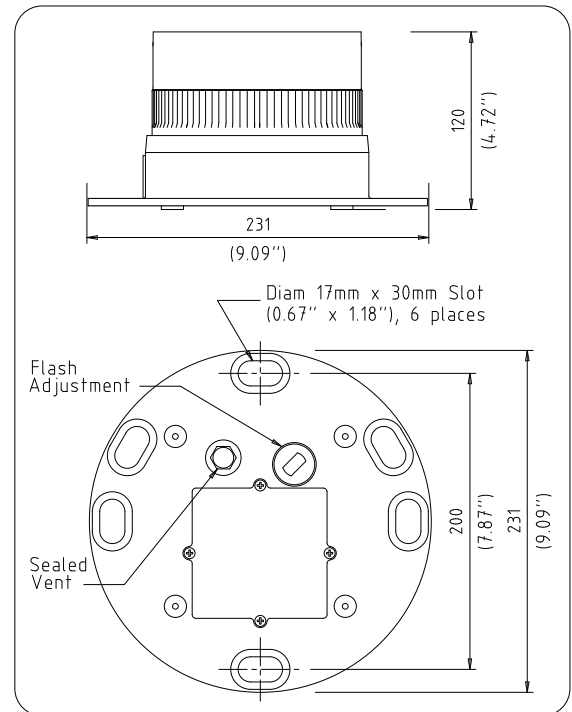
For regions where additional autonomy is required, this unit can also be supplied with a larger 16Ah battery pack.

+1.800.806.3548 USA  
+1.916.394.2800 Worldwide

[www.flightlight.com](http://www.flightlight.com)  
[sales@flightlight.com](mailto:sales@flightlight.com)

Flight Light Inc., 2708 47th Ave.  
Sacramento, CA, 95822, USA

SPECIFICATIONS * AV-OL-60	
<b>Light Characteristics</b>	
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
<b>Electrical Characteristics</b>	
Operating Voltage (V)	3.6
Power (W)	@ 100% intensity: 0.2W
Temperature Range	-40 to 80°C
<b>Solar Characteristics</b>	
Solar Module Type	Multicrystalline
Output (watts)	1.4
Charging Regulation	Microprocessor controlled
<b>Power Supply</b>	
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
<b>Physical Characteristics</b>	
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 / 9¼
Mass (kg/lbs)	1.1 / 2¾
Product Life Expectancy	12 years plus
<b>Environmental Factors</b>	
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
<b>Certifications</b>	
CE	EN61000-6-3:2007. EN61000-6-1:2007
Quality Assurance	ISO9001:2008
Waterproof	IP68
<b>Intellectual Property</b>	
Patents	US Pat. No. 6,667,582. AU Pat. No. 778,918
Trademarks	AVLITE® is a registered trademark of Avlite Systems
<b>Warranty *</b>	
3 year warranty	
<b>Options Available</b>	
<ul style="list-style-type: none"> <li>• IR LEDs</li> <li>• External ON/OFF Switch</li> <li>• External Battery Charging Port</li> <li>• 16Ah battery</li> <li>• Solar Booster™</li> </ul>	



**Ordering Codes**

Part Number	Options
SL-OL-60R	S: External Switch 16AH: 16AH Battery 15: 15 FPM 30: 30 FPM 40: 40 FPM 60: 60 FPM

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

