

AV-70 | Solar Taxiway and VFR Runway Light

The solar-powered AV-70 is designed to require minimal ongoing maintenance. The self-contained unit has two high-performance solar modules to maximize solar collection and provide reliable operation in a range of environmental conditions.

Key Features

- FAA certified to L863B for portable runway and taxiway lights
- Third-party tested for FAA (L861T, Barricade AC 150/5370-2F)
- Buy American Listed
- Updated Switch and External Interface Port (EIP) for external charging and programming
- RF Control using AvMesh® RF Network

Easy Installation

Enhance personnel efficiency, eliminate costly trenching, and ensure continuous airfield operations. The AV-70 is your solution for dusk-to-dawn illumination with sustained battery performance.

Low Maintenance

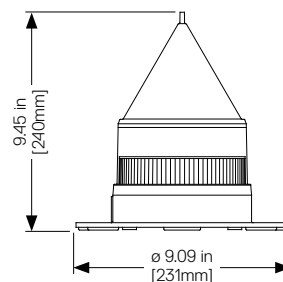
The AV-70 integrates the latest solar technology including active maximum power point tracking (MPPT) and enhanced LED optics into a compact, self-contained unit requiring minimal maintenance for up to 7 years.

Reliable

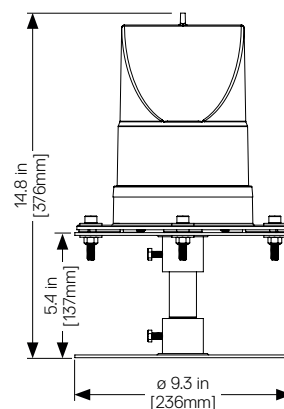
The rugged design can withstand the harshest environment. Rigorous testing compliant with FAA, ICAO, and MIL standards ensures long-lasting performance.

Trusted

Avlite is an industry leader in solar aviation lighting with thousands of installations worldwide tailored for defense, government, civil, and humanitarian aid operations.



AV-70
Side View



AV-70 With Optional
Frangible Mount

Specifications

| | | B1 | B2 |
|----------------------------|---|--|-----------|
| Light Characteristics | Light Source | LED | |
| | Available Colors | Blue, White, Yellow, Red, Green, Bi-directional Combinations, IR | |
| | Horizontal Output (degrees) | 360 | |
| | Intensity Adjustments | 3 Step or 5 Step (Dependent on Variant) | |
| | LED Life Expectancy (hours) | >100,000 | |
| Electrical Characteristics | Circuit Protection | Integrated | |
| | Temperature Range | -40 to 131°F / -40 to 55°C | |
| | Transport and Storage Temperature Range | -40 to 131°F / -40 to 55°C | |
| Solar Characteristics | Solar Module Type | Monocrystalline | |
| | Output (Watts) | 2.8 (2 x 1.4) | |
| | Solar Module Efficiency (%) | 21 | |
| | Charging Regulation | Maximum Power Point Tracking (MPPT) | |
| Power Supply | Battery Type | High grade Nickel Metal Hydride (NiMH) | |
| | Battery Capacity (Ah) | 8.6 | 17.2 |
| | Nominal Voltage (V) | 3.6 | |
| | Programming/Charger | Internal (DC) | |
| | Charge Port Rated Power (W) | 5 | |
| | Input Voltage (V) | 3.6 | |
| Radio Controlled | Frequency | 2.4GHz ISM Band | |
| | Range | Up to 0.87mi (1.4km) relayed | |
| | Expandability | AvMesh® | |
| | Compliance | FCC / CE / Anatel | |
| Physical Characteristics | Body Material | UV-stabilized LEXAN® Polycarbonate | |
| | Body Color Options | Aviation Yellow (Optional Desert Tan and Olive Drab) | |
| | Lens Material | UV-stabilized LEXAN® Polycarbonate | |
| | Lens Design | Single and Multi-LED Optic | |
| | Mounting | 6 x 17mm holes on 200mm PCD | |
| | Height (inches/mm) | 9.45 / 240 | |
| | Width (inches/mm) | 9.09 / 231 | |
| | Mass (lbs/kg) | 3.125 / 1.4 | 7.5 / 1.6 |
| | Service Life | Up to 12 Years | |
| Environmental Standards | Shock | MIL-STD-202G, Test Condition G, Method 213B | |
| | Vibration | MIL-STD202G, Test Condition B, Method 204 | |
| | Wind Speed | Up to 100mph (160kph) | |
| | Humidity | 0 to 100%, MIL-STD-810F | |
| | Ingress | IP68 | |
| Certifications | AFAC | FAA AC150/5345-46E, L-861T | |
| | CE | EN61000-6-4:2012, EN61000-6-2:2019 | |
| | FAA | AC150/5345-46E, AC150/5345-50B, L-861T, L-863B LED Color Standard (Engineering Brief No. 67D) | |
| | ICAO | ICAO Annex 14, Vol 1, July 2018 | |
| | Quality Assurance | ISO 9001:2015 | |
| | Trademarks | AVLITE® is a registered trademark of Avlite Systems, a family brand of SPX Aids to Navigation (a division of SPX Technologies) | |
| Other | Warranty* | 3 Years | |

* Visit avlite.com to refer to Warranty Statement

Configuration

| | |
|--------------------------|---|
| Model | AV-70 |
| Certifications | ICAO FAA 861T FAA 863B GA |
| LED Configuration | Omni-directional Blue (Taxiway) Omni-directional White Omni-directional Yellow Omni-directional Green Bi-directional Red/Green Bi-directional White/Yellow |
| Battery Size | 8.6Ah SLA Battery 17.2Ah SLA Battery |
| Standard Features | Yellow Body |
| Options | IR for NVG Applications Switch External Interface Port (EIP) RF, EIP Desert Tan Body Olive Drab Body |

