



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

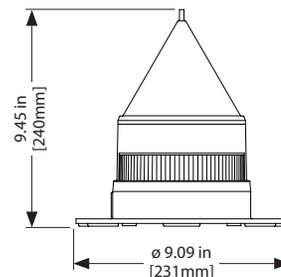
The AV-70 integrates the latest solar technology including active maximum power point tracking (MPPT) and enhanced LED optics into a compact, self-contained unit requiring minimal maintenance for up to 7 years.

- Reliable

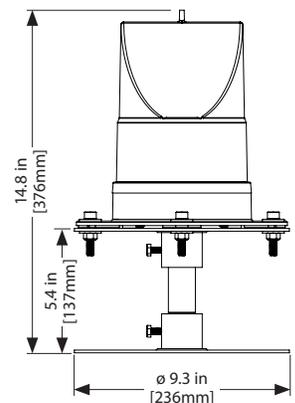
The rugged design can withstand the harshest environment. Rigorous testing compliant with FAA and MIL standards ensures long-lasting performance.

- 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 / EMC/ 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
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
	EMC	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)
	Quality Assurance	ISO 9001:2015
Other	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	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

