



AV-426 | Solar MIRL Runway Light

The AV-426 is a next-generation, self-contained solar light designed to withstand the harshest environments with minimal ongoing maintenance.

Key Features

- Third-party tested for FAA and ICAO compliance
- Available in 2 chassis sizes for optimal solar input (Compact - C0 12Ah or Standard - C1 24Ah)
- 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-426 is your solution for around-the-clock illumination with sustained battery performance.

Low Maintenance

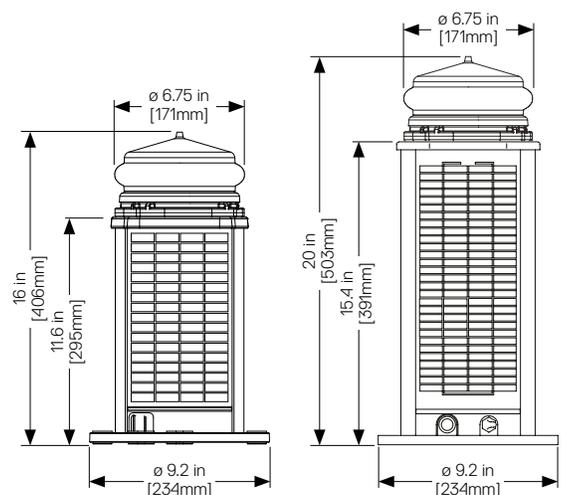
The AV-426 integrates the latest solar technology including active maximum power point tracking (MPPT) and enhanced LED optics into a compact, self-contained unit requiring minimal maintenance for up to 12 years.

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.



Compact (C0)

Standard (C1)

Specifications

	C0	C1	
Light Characteristics	Light Source	LED	
	Available Colors	White, Yellow, Green, Red, Blue, Bi-directional Combinations, IR	
	Intensity Adjustments	FAA: Low (10%), Medium (30%), High (100%) ICAO: Low (20%), Medium (40%), High (100%)	
	Operating Time (hours at 100%)	55	110
	LED Life Expectancy (hours)	>100,000	
Electrical Characteristics	Circuit Protection	Integrated	
	Temperature Range	-40 to 131°F / -40 to 55°C	
Solar Characteristics	Solar Module Type	Monocrystalline	
	Output (Watts)	20 (4 x 5)	28 (4 x 7)
	Charging Regulation	Maximum Power Point Tracking (MPPT)	
Power Supply	Battery Type	Sealed Lead Acid (SLA)	
	Battery Capacity (Ah)	12	24
	Nominal Voltage (V)	12	
	Programming/Charger	External	
	Charge Port Rated Power (W)	50	
	Input Voltage (V)	12	
Radio Controlled	Frequency	2.4GHz ISM Band	
	Range	Up to 0.87mi (1.4km) relayed	
	Expandability	AvMesh®	
	Compliance	FCC / CE	
Physical Characteristics	Body Material	Composite Polymer - Grivory	
	Body Color Options	Aviation Yellow (Optional Desert Tan and Olive Drab)	
	Lens Material	UV-stabilized LEXAN® Polycarbonate	
	Lens Design	Multi-LED Optics	
	Lens Diameter (inches/mm)	6.75 / 171	
	Mounting	4 Hole 200mm Bolt Pattern	
	Height (inches/mm)	16 / 406	20 / 503
	Width (inches/mm)	9.2 / 234	
	Mass (lbs/kg)	20 / 9.1	30.85 / 14
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-861, L-861E	
	CE	EN61000-6-4:2012, EN61000-6-2:2019	
	FAA	FAA AC150/5345-46E, L-861, L-861E	
	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-426
Certifications	ICAO FAA 861T FAA 863B GA
LED Configuration	Omni-directional White Omni-directional Yellow Omni-directional Green Omni-directional Red Bi-directional White/Yellow Bi-directional White/Red Bi-directional Yellow/Red Bi-directional Green/Yellow Bi-directional Red/Green Uni-directional Green Uni-directional Red Omni-directional Blue (Taxiway)
Battery Size	12Ah SLA Battery 24Ah SLA Battery
Standard Features	External Interface Port (EIP) External Switch
Options	IR for NVG Applications AC Hybrid Input CCR Hybrid Input Desert Tan Body Olive Drab Body

