



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

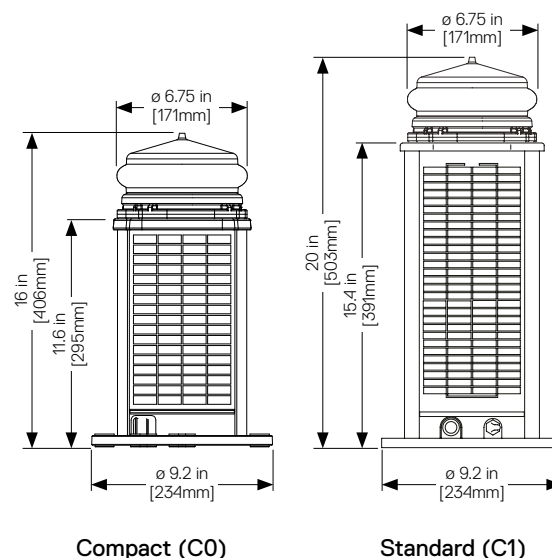
The AV-426 integrates the latest solar technology including active maximum power point tracking (MPPT) and enhanced LED optics into a compact, self-contained unit requiring minimal maintenance for up to 12 years.

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.



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
	LED Life Expectancy (hours)	>100,000
Electrical Characteristics	Circuit Protection	Integrated
	Temperature Range	-40 to 131°F / -40 to 55°C
	Solar Module Type	Monocrystalline
Solar Characteristics	Output (Watts)	20 (4 x 5)
	Charging Regulation	Maximum Power Point Tracking (MPPT)
	Battery Type	Sealed Lead Acid (SLA)
Power Supply	Battery Capacity (Ah)	12
	Nominal Voltage (V)	12
	Programming/Charger	External
	Charge Port Rated Power (W)	50
	Input Voltage (V)	12
	Frequency	2.4GHz ISM Band
Radio Controlled	Range	Up to 0.87mi (1.4km) relayed
	Expandability	AvMesh®
	Compliance	FCC / CE
	Body Material	Composite Polymer - Grivory
Physical Characteristics	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
	Width (inches/mm)	9.2 / 234
	Mass (lbs/kg)	20 / 9.1
	Service Life	Up to 12 Years
	Shock	MIL-STD-202G, Test Condition G, Method 213B
Environmental Standards	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

