

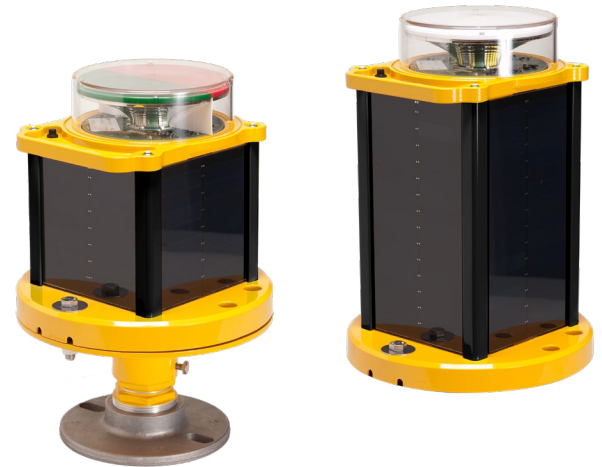


A704 | Solar MIRL Runway Light

The solar-powered A704 is a medium-intensity runway edge and threshold light (MIRL) that meets traditional airfield requirements and is designed for easy installation and minimal ongoing maintenance.

Key Features

- Third-party tested for FAA and ICAO compliance
- Long-lasting batteries available in 3 sizes :
Compact C0, Standard C1, Large C2
- Optional wireless control provides remote operation using either 900MHz or 2.4GHz communication



Easy Installation

Enhance personnel efficiency, eliminate costly trenching, and ensure continuous airfield operations. The A704 is your solution for dusk-to-dawn illumination with sustained battery performance.

Low Maintenance

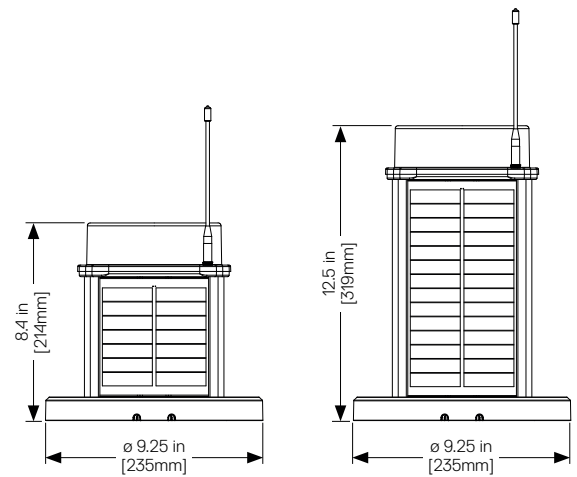
The A704 integrates the latest solar technology including active maximum power point tracking (MPPT) and enhanced LED optics into a compact, self-contained unit requiring minimal maintenance for up to 7 years.

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.



Compact (C0)

Standard (C1) /
Large (C2)

Specifications

Specifications		C0	C1	C2
Light Characteristics	Light Source	LED		
	Available Colors	White, Green, Yellow, Red, Bi-directional Combinations, IR		
	Horizontal Output (degrees)	360		
	Intensity Adjustments	3 AUTO Modes and 3 TEMP Modes (Low, Medium, High)		
	LED Life Expectancy (hours)	>100,000		
Electrical Characteristics	Circuit Protection	Integrated		
	Temperature Range	-40 to 176°F / -40 to 80°C		
Solar Characteristics	Solar Module Type	Monocrystalline		
	Output (Watts)	6.8 (4 x 1.7)	15.2 (4 x 3.8)	
	Solar Module Efficiency (%)	21		
	Charging Regulation	Maximum Power Point Tracking with Temperature Compensation (MPPT-TC)		
Power Supply	Battery Type	Pure-lead Valve-Regulated Lead Acid (VRLA) Absorbed Glass Mat (AGM)		
	Battery Capacity (Ah)	15	24	50
	Nominal Voltage (V)	4.2		
	Programming/Charger	External		
	Charge Port Rated Power (W)	5		
	Input Voltage (V)	12		
Radio Controlled	Frequency	900MHz or 2.4GHz ISM Band		
	Range	Up to 0.87mi (1.4km) relayed		
	Expandability	DigiMesh		
	Compliance	FCC / CE / Anatel †		
Physical Characteristics	Body Material	Powder-coated Aluminum Chassis with Integrated Handle		
	Body Color Options	Aviation Yellow (Optional Desert Tan and Olive Drab)		
	Lens Material	UV-stabilized Polycarbonate (Jet Blast-Resistant Glass Lens Available)		
	Lens Design	Multi-LED Optics		
	Mounting	6 x 15.7mm holes on 200mm PCD		
	Height (inches/mm)	8.4 / 214	12.5 / 319	
	Width (inches/mm)	9.25 / 235		
	Mass (lbs/kg)	12.4 / 5.6	16.4 / 7.4	24.5 / 11.1
	Service Life	Up to 12 Years		
Environmental Standards	Shock	MIL-STD-202G, Test Condition G, Method 213B, MIL-STD-810G		
	Vibration	MIL-STD202G, Test Condition B, Method 204, MIL-STD-810G		
	Wind Speed	Up to 400mph (644kph)		
	Humidity	0 to 100%, MIL-STD-810F		
	Ice Loading	0.03 psi (22 kg/m²)		
	Ingress	IP67, MIL-STD-810 Method 509		
Certifications	CE	EN61000-6-4:2012, EN61000-6-2:2019		
	FAA	AC 150/5345-46E, EB67, AC 150/5345-50, FAA AC 150/5370-2G, 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

† 900 MHz version is not CE compliant

Configuration

Model	Certification	LED Configuration		Battery Size	Standard Features	Options
A704	ICAO	Omni-directional White		C0 - 15Ah AGM Battery	IR	Desert Tan Body
	GA	Omni-directional Green		C1 - 24Ah AGM Battery	Yellow Body	Olive Drab Body
		Omni-directional Yellow		C2 - 50Ah AGM Battery		Polycarbonate Lens
		Omni-directional Red				Tempered Glass Lens
						Non-wireless
						Wireless (900MHz)
						Wireless (2.4GHz)