



A704-VL | Solar Helipad and Taxiway Light

The A704-VL meets traditional helipad requirements in an easy-to-install, low maintenance package.

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
- Compact variant meets height requirements of 5390-2D elevated helipad specification

Easy Installation

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

Low Maintenance

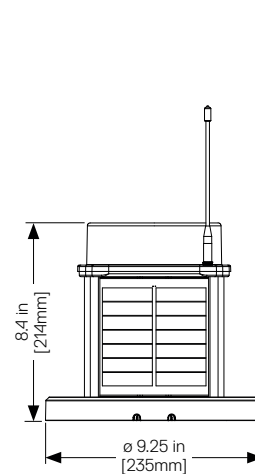
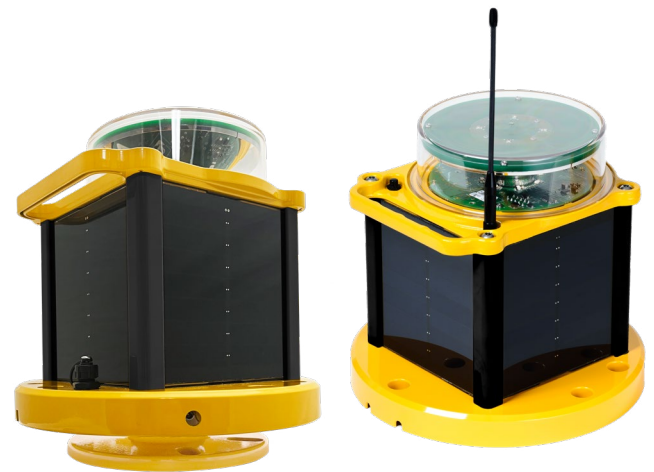
The A704-VL integrates the latest solar technology including active maximum power point tracking (MPPT) and enhanced LED optics into a compact, self-contained unit requiring minimal maintenance for up to 7 years.

Reliable

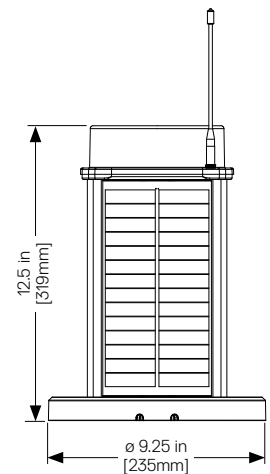
The rugged design can withstand the harshest environment. Rigorous testing compliant with FAA, ICAO, and MIL standards ensures long-lasting performance.

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, Blue, Green, Yellow, 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
Environmental Standards	Service Life	Up to 12 Years		
	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)		
Certifications	Ingress	IP67, MIL-STD-810 Method 509		
	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		
Other	Trademarks	AVLITE® is a registered trademark of Avlite Systems, a family brand of SPX Aids to Navigation (a division of SPX Technologies)		
	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-VL	ICAO	Omni-directional White	C0 - 15Ah AGM Battery	IR	Desert Tan Body
	FAA 861T	Omni-directional Blue	C1 - 24Ah AGM Battery	Yellow Body	Olive Drab Body
	FAA 863B	Omni-directional Green	C2 - 50Ah AGM Battery		Polycarbonate Lens
	GA	Omni-directional Yellow			Tempered Glass Lens
					Non-wireless
					Wireless (900MHz)
					Wireless (2.4GHz)