

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

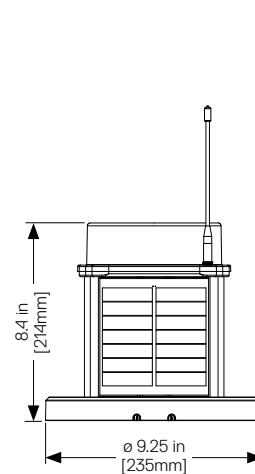
The A704-VL integrates the latest solar technology including active maximum power point tracking (MPPT) and enhanced LED optics into a compact, self-contained unit requiring minimal maintenance for up to 7 years.

Reliable

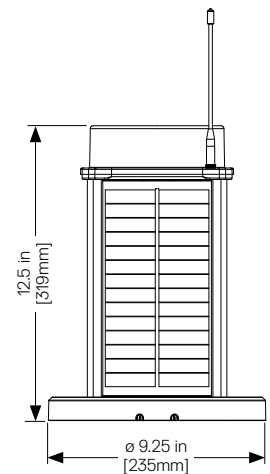
The rugged design can withstand the harshest environment. Rigorous testing compliant with FAA, ICAO, and MIL standards ensures long-lasting performance.

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

| | | 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/m ²) | | |
| | 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-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) |