



aviationrenewables

SPECS SOLAR HELIPAD LIGHT



The A704-VL meets traditional helipad requirements in an easy-to-install, low maintenance package. Lights are third-party tested for ICAO and FAA compliance, and our proven technology platform offers 3 solar engine sizes.

Applications

- Helipads
- Touchdowns and lift-off area (TLOF)
- Final approach and take-off area (FATO)
- Taxiway lighting
- NVG operations, covert-only mode
- Emergency or temporary lighting

Advanced Design

- Improved optical efficiency with latest LEDs
- High-efficiency monocrystalline solar panels
- Reduced standby power consumption
- Multiple battery sizes for best value-for-performance
- Optional wireless control provides remote operation using either 900 MHz or 2.4 GHz communication

Easy Installation

Limited crew. No trenching. No airfield interruptions. Just place the A704-VL and it emits light dusk-to-dawn while maintaining its battery.

Low Maintenance

The A704-VL integrates solar panels, battery, electronics and LED light source into a compact, stand-alone unit requiring minimal maintenance for 7 years.

Reliable

The Energy Management System (EMS) monitors all operations to provide consistent output in the harshest environments. Testing to ICAO, FAA and MIL specifications ensures high performance for many years.

Trusted

With thousands of installations worldwide, Flash Technology solar LED lights operate year-round at over 500 airports and military bases.



Optional wireless control

Optional handheld controller - 900 MHz OR 2.4GHz with encrypted signal - Control 8 groups of lights

Optional military and barrel charge ports

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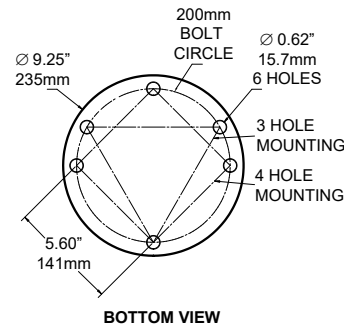
SPECS COMPACT SOLAR HELIPAD LIGHT

SPECIFICATIONS

Compliance	ICAO FATO (Annex 14, Vol. 1, 5.3.7.4 and Vol. 2, Appendix 1)
	ICAO TLOF (Annex 14, Vol. 1, 5.3.9.20 and Vol. 2, Appendix 1)
	ICAO taxiway (Annex 14, Vol. 1, 5.3.18.8)
	FAA L-861T (AC No. 150/5345-46D, EB67)
	FAA L-860HR (EB 87D, EB67D)
Optical	High-powered LEDs meet IES LM-80 lumen maintenance ensuring consistent photometrics for life of product
	ICAO, SAE25050 (FAA) and FAA EB 67 compliant chromaticity
	NVG-compatible infrared (IR) LEDs Steady-on and flash, IR-only mode
Solar Panel	High-efficiency solar cells with blocking diodes
	Maximum power point tracking with temperature compensation (MPPT-TC) for optimal energy collection in all solar conditions
Battery	Pure-lead VRLA AGM battery with manufacturer operating range -85 to 176 °F (-65 to 80 °C)
	Onboard battery status; Optional port for battery charging and cabled operation
	Designed for 5-year battery life; Replaceable and recyclable 2500 cycles or 7-year lifetime on average
Energy Management System (EMS)	Intelligent, microprocessor
	Push button interface for local control Autonomous (dusk-to-dawn), temporary and emergency modes
Automatic Light Control (ALC)	When enabled, automatically adjusts to low levels of sunlight to ensure continuous operation
Construction	Premium, UV-resistant polycarbonate lens (jet blast resistant glass lens available)
	Corrosion-resistant, powder-coated aluminum chassis with integrated handle
	Waterproof, vented battery compartment
Temperature	-22 to 122 °F (-30 to 50 °C) Optimal
	-40 to 176 °F (-40 to 80 °C) Maximum
Wind Loading	400 mph (644 kph)
Ice Loading	0.03 psi (22 kg/m ²)
Shock & Vibration	MIL-STD-202G and MIL-STD-810G
Ingress	EN 60529 IP 67 immersion
	MIL-STD-202G immersion & damp heat cycling
	MIL-STD-810G rain & salt fog

WEIGHTS AND DIMENSIONS

<p>COMPACT 12.4 lbs (5.6 kg) Battery (60X) - 4.2V, 15 Ahr</p>	
<p>STANDARD 16.4 lb (7.4 kg) Battery (96E) - 4.2V, 24 Ahr</p>	
<p>LARGE 24.5 lbs (11.1 kg) Battery (200BC) - 4.2V, 50 Ahr</p>	



CONFIGURATION

Model	Color	Solar Engine	Chassis	Lens	Control	Charge Port
A704-VL	White / IR Blue / IR Green / IR Yellow / IR	Compact Standard Large	Yellow Olive Drab	Polycarbonate Tempered Glass	Non-wireless Wireless (900 MHz) Wireless (2.4GHz)	None Charge Port Military Charge Port

