A704 Solar Medium Intensity Runway Light

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

- ↗ ICAO and FAA compliant
- ↗ Third-party certified
- ↗ Long-lasting batteries
- ↗ Available in 3 battery sizes

Applications

- ↗ Medium-intensity runway edge & threshold (MIRL)
- ↗ Simple approach lighting
- ↗ NVG operations
- ↗ 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

Optional handheld controller
- 2.5 mi (4 km) range
- 900 MHz with encrypted signal
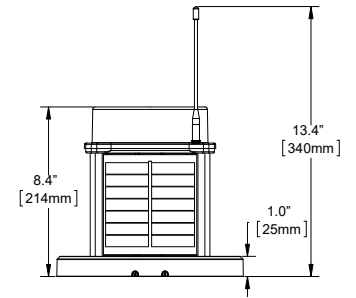- Control 8 groups of lights

Optional military and barrel charge ports

Easy Installation

Limited crew. No trenching. No airfield interruptions. Just place the A704 and it emits light dusk-to-dawn while maintaining its battery. Optional wireless control provides on-demand operation from up to 2.5 miles (4 km) away.

Low Maintenance

The A704 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.
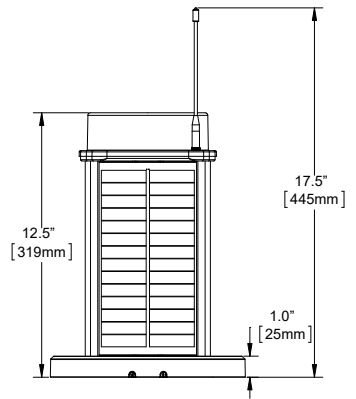
A704

SPECIFICATIONS

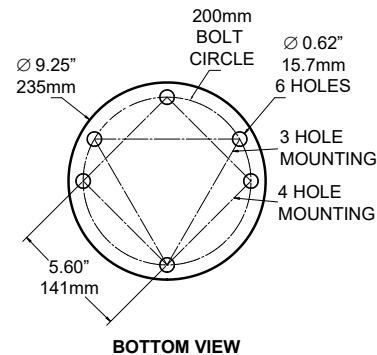|	
Compliance	ICAO MIRL (Annex 14, Vol. 1, 5.3.9.9)
	FAA L-861 MIRL (AC 150/5345-46, EB67)
	FAA L-861E & L-861SE MIRL (AC 150/5345-46, EB67)
	FAA L-860 LIRL (AC 150/5345-46, EB67)
	FAA L-863 Portable (AC 150/5345-50)
Optical	High-powered LEDs meet IES LM-80 lumen maintenance ensuring consistent photometrics for life of product
	ICAO, SAE25050 (FAA) and FAA EB 67 compliant chromaticity
	NVG-compatible infrared LEDs
	Steady-on and flash
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
	Onboard diagnostics and data-logger
	Push button interface for local control
	Autonomous (dusk-to-dawn), temporary, continuous 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)
	Powder-coated aluminum chassis with integrated handle
	Waterproof, vented battery compartment
Temperature	-22 to 122 ºF (-30 to 50 ºC) Optimal
	-40 to 176 ºF (-40 to 80 ºC) Maximum
Wind Loading	400 mph (644 kph)
Ice Loading	0.03 psi (22 kg/m²)
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

COMPACT
12.4 lbs (5.6 kg)
Battery (60X) - 4.2V, 15 Ahr

13.4" [340mm]
8.4" [214mm]
1.0" [25mm]

STANDARD
16.4 lb (7.4 kg)
Battery (96E) - 4.2V, 24 Ahr

LARGE
24.5 lbs (11.1 kg)
Battery (200BC) - 4.2V, 50 Ahr

17.5" [445mm]
12.5" [319mm]
1.0" [25mm]

200mm BOLT CIRCLE
⌀ 0.62" 15.7mm 6 HOLES
⌀ 9.25" 235mm
3 HOLE MOUNTING
4 HOLE MOUNTING
5.60" 141mm

BOTTOM VIEW

CONFIGURATION

Model	Color		Battery Size	Lens	Control	Charge Port
A704	White / IR White / Yellow / IR Red / Green / IR Green / IR Yellow / IR	Red / IR White / Red / IR Red / Yellow / IR Green / Yellow / IR	Compact Standard Large	Polycarbonate Glass	Non-wireless Wireless	None Charge Port Military Charge Port

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