FLASH
TECHNOLOGY

# A704 Solar Medium Intensity Runway Light

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

↗ Third-party tested for ICAO and FAA compliance
↗ Long-lasting batteries
↗ Available in 3 battery sizes

**Applications**
↗ Medium-intensity runway edge & threshold (MIRL)
↗ Simple approach 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





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

**Easy Installation**

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

**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 on average.

**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.
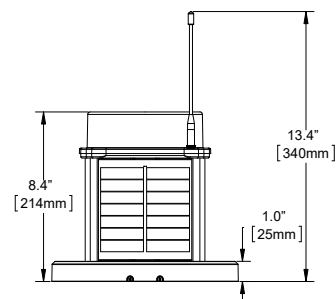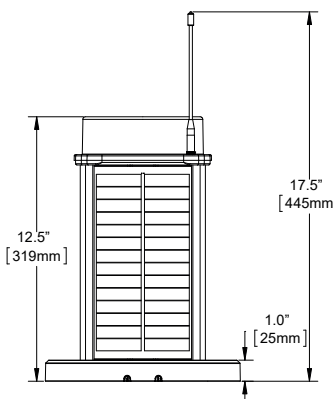
# A704

## SPECIFICATIONS

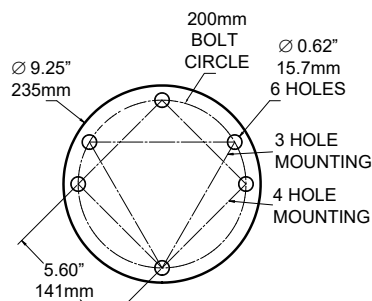| | |
|---|---|
| Compliance | ICAO MIRL (Annex 14, Vol. 1, 5.3.9.9) |
| | FAA L-861 MIRL (AC 150/5345-46E, EB67) |
| | FAA L-861E & L-861SE MIRL (AC 150/5345-46E, EB67) |
| | FAA L-860 LIRL (AC 150/5345-46E, EB67) |
| | FAA L-863 Portable (AC 150/5345-50) |
| | FAA L-858 Sign Lighting (AC 150/5345-44) |
| | FAA L-810 Red (AC 150/5345-43) |
| | ICAO Annex 14 Red Low-Intensity Obstacle Light Type A and Type B, 8th edition |
| | Red output for airport barricade and construction applications (CFR Part 139, FAA AC 150/5370-2G) |
| 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, 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 |
| | 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) |
| | Corrosion-resistant, powder-coated aluminum chassis with integrated handle |
| | Waterproof, vented battery compartment |
| Temperature | -22 to 122ºF (-30 to 50ºC) Optimal |
| | -40 to 176ºF (-40 to 80ºC) 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

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

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

1.0" [25mm]



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

**BOTTOM VIEW**

## CONFIGURATION

| Model | Color | Battery Size |
|---|---|---|
| A704 | White/IR<br>White/Yellow/IR<br>Red/Green/IR<br>Green/IR<br>Yellow/IR<br>Red/IR<br>White/Red/IR<br>Red/Yellow/IR<br>Green/Yellow/IR | Compact<br>Standard<br>Large |
| **Lens** | **Control** | **Charge Port** |
| Polycarbonate<br>Tempered Glass | Non-wireless<br>Wireless (900 MHz)<br>Wireless (2.4GHz) | None<br>Charge Port<br>Military Charge Port |



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