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**REIL LED
Runway End
Identifier Light
Metalite**

REIL LED: Runway End Identifier Light

- Radio controlled
- Output compliant with FAA L-849
- Fully portable battery powered REIL
- Extensive run time
- Rapid 'drop-in' charging

Applications

Metalite Aviation Lighting's LED Runway End Identifier Lights (REILs) consist of two strobe lights located at each side of the runway at the approach end. The main application of a REIL LED system is to identify the runway end or threshold of a visual or instrument non-precision runway.

Ergonomically constructed to endure all weather environments, the REIL LED is the most capable battery powered model of its class. Rapid 'drop-in' charging and extensive run times cut down on management and maintenance costs, improving the total cost of ownership.

Major Benefits

- **Unique optical design**
Improved light efficiency and battery running time
- **Ergonomic and functional form**
Robust weatherproofing for endurance and efficient LED cooling
- **Drop-in charging**
Quick and easy handling when charging is required for re-deployment
- **Optional radio control with MESH network technology**
Remote operation from airfield or ATC tower
- **Semi-permanent fixing base**
Stainless steel fixing plates for secure fixing to hard or soft ground (optional)



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REIL LED Runway End Identifier Light Metalite

SPECIFICATIONS:

LIGHT CHARACTERISTICS

| | |
|-----------------------|--|
| Light Source | Ultra High Intensity LEDs |
| Available LED Colours | White (as standard) |
| Light Intensities | Light Intensities Compliant with FAA AC I 50/5345-51B L-849 Style E - 120 flashes per minute |
| Intensity Adjustments | 3 Settings as standard |
| Endurance | 18hrs* at maximum intensity |
| Flash Rate | As per FAA AC I 50/5345-51A L-849 - 120 Flashes per minute |
| Horizontal Output | +/- 15° |
| Vertical adjustment | 0° - 15° |
| Vertical Divergence | 0° - 10° |
| LED Life Expectancy | > 100,000hrs |

OPERATION

| | |
|------------------------------------|---|
| Function | Manual Control & Radio Control |
| Wireless Radio Receiver (Optional) | 868 or 915Mhz MESH Network |
| Setup and Diagnostics | Integrated Test Facility, Battery Status Indication |

ELECTRICAL CHARACTERISTICS

| | |
|-----------------------|--|
| Operating Temperature | -40°C to +60°C |
| Battery Type | SLAB (Sealed Lead Acid Battery) air transport approved |
| Battery Capacity | 28Ah |
| Nominal Voltage | 12V |
| Circuit Protection | Integrated |
| Charging Method | Drop in Charging – Via Trailer or Standalone Charger |
| Charging Time (Mains) | 8hrs From AC Power Source* |

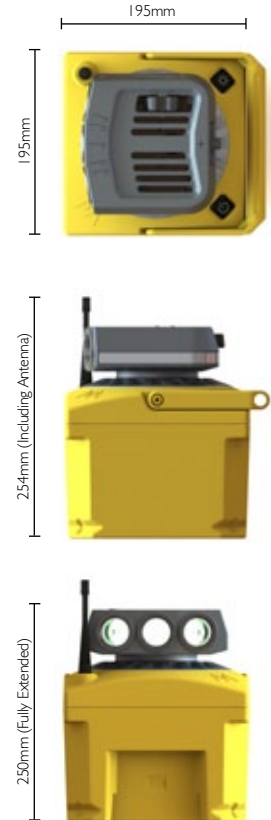
CONSTRUCTION

| | |
|--------------------|--|
| Body | High Strength Colour Impregnated Polycarbonate |
| Lens | Borosilicate Glass |
| Dimensions (HxWxD) | 250 (Fully extended excluding antenna) x 195 x 195mm |
| Weight | 8kg (17.5lbs) |
| IP Rating | IP65, IP67 |

COMPLIANCE

| | |
|---------------|--------------------------------------|
| CE | Compliant |
| Environmental | EN61 0000 |
| EMC | EN61 0000 |
| Aviation | FAA AC I 50/5345-51A L-849 Style A-F |

*Subject to environmental conditions



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