



RTEL_{LED}

Aeronautical & General
Instruments Limited

Runway Threshold End Light

- Secure radio remote control
- Ergonomic and robust construction
- Fully portable battery powered RTEL
- Extensive run time
- Rapid 'drop In' charging
- Compliant with FAA ISO/5345-46D L861E



NEW state of the art
LED light engine technology



LED Runway Threshold/End Light

Metalite's battery powered bi-directional threshold/stop end light utilises the latest in LED light engine technology and is built to comply with FAA 150/5345-46D L86 IE standards.

Metalite Aviation Lighting's LED Runway Threshold End Lights (RTEL's) are designed to be located at each end of the runway to identify the runway end or threshold of a visual or instrument non-precision runway.

Ergonomically ruggedized construction to endure all weather environments, the RTEL LED is the most portable battery powered model in its class. Rapid 'drop in' charging and extensive run times cut down on management and maintenance costs, lowering the total cost of ownership.

FEATURES & BENEFITS:

- **Unique Optical Design**
Improved light efficiency and battery running time
- **Ergonomic and Functional Form**
Robust weatherproofing & ruggedized construction for endurance and efficient LED cooling
- **Drop in Charging**
Quick and easy handling when charging is required for re-deployment
- **MESH Network Technology Radio Control**
Remote operation from Airfield or ATC tower
- **Semi Permanent Fixing Base**
Stainless Steel fixing plates for secure fixing to hard or soft ground (optional)

SPECIFICATIONS:

LIGHT CHARACTERISTICS	
Light Source	High Intensity LEDs / IR
Available LED Colours	Red /Green Split, Red/Red, Green Unidirectional
IR Outputs	880nm (Other options available)
Light Intensities in accordance with FAA AC150/5345-51A L-86 IE	90cd Green/10cd Red, 10cd Red/10cd Red, 90cd Green Unidirectional
Endurance Steady Light	> 200hrs* at maximum intensity
Intensity Adjustments	3
Horizontal Output	+/- 5°
Vertical Divergence	0° to 9°
Vertical Adjustment	+/- 4°
LED Life Expectancy	> 100,000 hrs
OPERATION	
Function	Manual Control, Photocell Control, Radio Control
Wireless Radio Receiver (Optional)	868 or 915Mhz MESH Network + 128 Bit Encryption
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	14Ah
Nominal Voltage	12V
Circuit Protection	Integrated
Charging Method	Drop in Charging – Via Trailer or Standalone Charger
Charging Time (Mains)	8hrs*
MECHANICAL	
Body	High Strength Colour Impregnated Polycarbonate
Dimensions (HxWxD)	254 (including antenna) x 195 x 195mm
Weight	7Kg (15.5lbs)
IP Rating	IP65, IP67
COMPLIANCE	
CE	Compliant
Environmental	MIL Std 810F Series / EN610000
EMC	MIL Std 810F Series / EN610000
Aviation	FAA 150/5345-46D L86 IE



Metalite Aviation Lighting,

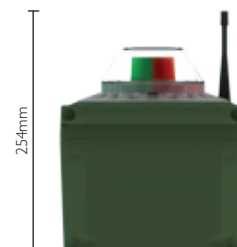
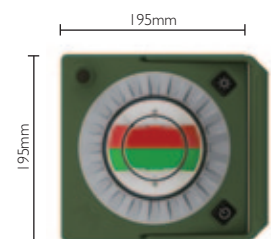
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