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## COREL LED Civilian Omni-directional Runway Edge Light Metalite

### COREL LED: Civilian Omni-directional Runway Edge Light

- Extensive hours runtime between charge cycles
- Rapid and convenient 'drop-in' charging
- Radio controlled
- Medium intensity lighting up to 125 candela
- Intuitive design to ensure optimum efficiency and performance
- ICAO & FAA Compliant
- Multiple applications: runway edge, obstruction, taxiway, threshold/stop

### Applications

Our new generation COREL LED is our flagship product, available in all major aviation colors for a range of airfield applications with multiple intensities, flash modes, radio control and easy 'drop-in' charging.

Metalite's custom designed state-of-the-art LED light source and unique lens arrangement provides the COREL LED with efficiency which is second to none, providing unrivalled battery run times and highly efficient charging cycles resulting in a lowered total cost of ownership.

Metalite's outstanding build quality also ensures a low maintenance investment for your airfield ground lighting requirements for many years to come. Whether used in conjunction with the CALKIT LED trailer or standalone drop-in chargers, the COREL LED meets ICAO Annex 14 Vol 1 and FAA portable airfield lighting requirements to ensure compliance for your facility.

### Major Benefits

- **Unique optical design**  
Improved light efficiency and battery running time
- **Ergonomic and functional construction**  
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
- **Status indicator**  
Battery and charging status displayed
- **Semi-permanent fixing base**  
Stainless steel fixing plates for secure fixing to hard or soft ground (optional)



Visit our web site: [www.flightlight.com](http://www.flightlight.com)



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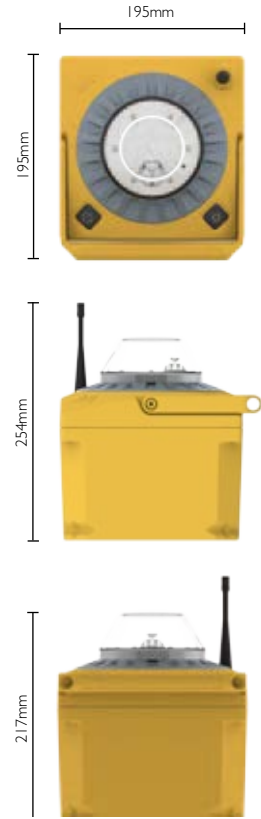
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**COREL LED**  
**Civilian Omni-directional**  
**Runway Edge Light**  
**Metalite**

**SPECIFICATIONS**

LIGHT CHARACTERISTICS	
Light Source	Ultra High Intensity LED
Available LED Colours	White, Red, Green, Amber, Blue, Sector Red/Green, Amber/White, IR (Optional)
Circling Guidance (Optional)	LED – Visual
Estimated Endurance (White)	FAA Medium Intensity (125cd) 40hrs, ICAO (50cd) 120hrs, FAA Low Intensity (20cd) *170hrs
Estimated Endurance at Maximum (Coloured)	Blue (2cd) 440hrs, Red (10cd) 350hrs, Green(15cd) 230hrs, Red/Green Split (5/15cd) 280hrs*
LED Life Expectancy	>60,000hrs
Horizontal Output	360°
Vertical Divergence FAA Spec	2° – 15°
Vertical Divergence ICAO Spec	0° – 15°
OPERATION	
Function	Manual Control, Photocell Control, Radio Control
Wireless Radio Receiver (Optional)	868 or 915Mhz MESH Network
Setup and Diagnostics	Battery Status Indication
ELECTRICAL CHARACTERISTICS	
Operating Temperatures	-40°C - +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 CALKIT LED Trailer or Standalone Charger
Charging Time	8hrs*
CONSTRUCTION	
Body	High Strength Colour Impregnated Polycarbonate
Dome	Borosilicate Glass
Dimensions (HxWxD)	217 (excluding antenna) x 195 x 195mm
Weight	6.3kg (13.89lb)
IP Rating	IP65, IP67
COMPLIANCE	
CE	Compliant
Environmental	EN610000
EMC	EN610000
Aviation	FAA AC150/5345-46D-L-860, L-860E, L-861 FAA AC150/5345-50B-L-863 Series FAA AC150/5345-49C ICAO Annex 14 Vol. I 5.3.2, 5.3.9.8 (with circling guidance), 5.3.9.9



\*Approximate run times and subject to environmental conditions

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