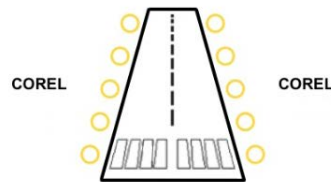


## iSeries COREL

COMPLIES WITH FAA AC150/5345-46D-L860, L860E, L861 & ICAO ANNEX 14

The new generation COREL is available in all major aviation colours for a range of airside applications with multiple intensities, flash modes, radio control and easy 'drop in' charging. The 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.



COREL (Civil Omnidirectional Runway Edge Light)

The outstanding build quality also ensures a low maintenance investment for your airside ground lighting requirements for many years to come. Whether used in conjunction with the CALKIT LED trailer, with standalone drop in chargers or with the solar charging units; the light provides easy maintenance-free operations. The COREL LED meets ICAO Annex 14 Vol 1 and FAA portable airfield lighting requirements, including height requirements and frangibility requirements.

# SPECS

## iSeries LED COREL

### FEATURE BENEFITS

#### INCREASE SAFETY

The ultra-bright, high efficiency LED light is clearly decipherable by the pilot, leading to stable approaches and increased runway safety.

#### UNIQUE OPTICAL DESIGN

Improved light efficiency and battery running time.

#### DROP IN CHARGING

Quick and easy handling when charging is required for re-deployment.

#### DECREASE COSTS

Low electricity costs with rechargeable battery lights by worldwide power input 110 - 240VAC.

#### FULL CONTROL

The RF network allows the entire airfield lighting system, including the REILs & UDALS, to be controlled from a single handheld controller.

# SPECIFICATIONS

## OPTICAL

<b>Compliance</b>	FAA AC150/5345-46D-L860, L860E, L861 ICAO Annex 14 Vol. 1 5.3.2, 5.3.9.8 (with circling guidance), 5.3.9.9
<b>Configuration</b>	COREL (Civil Omnidirectional Runway Edge Light)
<b>Output Options</b>	Visible and Infrared
<b>Visible LED Colours</b>	White, Red, Green, Amber, Blue, Red/Green, Amber/White
<b>Infrared Light</b>	NVG Compatible High Efficiency
<b>LED Intensity</b>	3 Settings as Standard FAA MIRL 125cd (white colour) / ICAO 50cd (white colour)
<b>Operating Profiles</b>	On Demand Radio Frequency Controller (air/ground), 24/7, Custom

## MECHANICAL

<b>Dimensions per Light Housing Assembly</b>	250mm(h) with antenna x 195mm(l) x 195mm(w)
<b>Mounting Options Semi Permanent</b>	Stainless Steel fixing plates for secure fixing to hard or soft ground (optional)
<b>Enclosure Colors</b>	Aviation Yellow, Custom
<b>Enclosure</b>	High Strength Colour Impregnated Polycarbonate

## ELECTRICAL

<b>Power Input</b>	Rechargeable Sealed Lead Acid Batteries 2 x 12V (7 Ah) Battery Generator (120VAC/240VAC) Optional Solar Charger for Permanent Installations
<b>Control</b>	RF Frequencies 868 or 915Mhz
<b>Autonomy</b>	40 hours at FAA MIRL 125cd / 120 hours at ICAO 50cd

## ENVIRONMENTAL

<b>Operating Temperature</b>	-40° to +60°C
<b>Weather Protection</b>	IP67
<b>CE</b>	Compliant

## WARRANTY AND LIFE EXPECTANCY

<b>Warranty</b>	1 year
<b>LED Life Expectancy</b>	60 000 hours

