# SPECS

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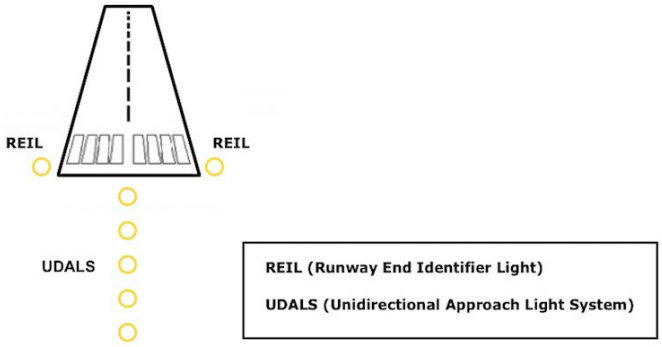
## iSeries REIL & UDAL

COMPLIES WITH FAA AC150/5345-51A L-849 STYLE A-F & ICAO ANNEX 14

The iSeries LED Runway End Identifier Lights (REILs) consist of two strobe lights located at each side of the runway approach end which flash in synchronization. The main application of an LED REIL 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 LED REIL is the industry's most capable battery powered model of its type. The iSeries LED REILs increase the autonomy and operational ability within the airfield. The iSeries LED light is quickly and easily installed enabling airfield equipment to be operational in minutes for either permanent or portable operations.




The Unidirectional Approach Light System (UDALS) consist of five sequence strobe approach lights located at the ends of each runway approach end providing a "rabbit effect" for incoming pilots. For lower visibility approach environments, both the iSeries LED REILs & UDALS can be combined to provide a highly visible sequence strobe approach system to identify both the runway end or threshold and the center of the runway of a visual or instrument non-precision runway.

Both the iSeries REILs and UDALS can be easily activated by a radio controlled network via a single hand held controller to operate every lighting solution in the airfield. With a growing number of installations in every geographical climate worldwide, the iSeries REILs and UDALS continue to be the preferred choice of the industry's most demanding customers.

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## iSeries LED REILs & UDALS

## 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 rechargable 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.

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# SPECIFICATIONS

### OPTICAL

| | |
|---|---|
| **Compliance** | FAA AC150/5345-51A L-849 Style A-F<br>ICAO Annex 14 Vol. 1 Section 5.3.8 Runway Threshold Identification Light (RTIL) |
| **Configuration** | REIL / UDALS |
| **Output Options** | Visible and Infrared |
| **Visible Light Source** | Ultra High Intensity LEDs White |
| **Infrared Light** | NVG Compatible High Efficiency |
| **Flash Rate** | 120 Flashes per minute as per FAA AC150/5345-51A L-849 |
| **LED Intensity** | 3 Settings as Standard / 2000cd |
| **Operating Profiles** | On Demand Radio Frequency Controller (air/ground), 24/7, Custom |

### MECHANICAL

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

### ELECTRICAL

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|---|---|
| **Power Input** | Rechargeable Sealed Lead Acid Batteries 2 x 12V (7 Ah)<br>Battery Generator (120VAC/240VAC)<br>Optional Solar Charger for Permanent Installations |
| **Control** | RF Frequencies 868 or 915Mhz |
| **Autonomy** | 18 hours at Maximum Intensity |

### ENVIRONMENTAL

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|---|---|
| **Operating Temperature** | -40° to +60°C |
| **Weather Protection** | IP67 |
| **CE** | Compliant |

### WARRANTY AND LIFE EXPECTANCY

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|---|---|
| **Warranty** | 1 year |
| **LED Life Expectancy** | 100 000 hours |