

Solar Series REIL & UDAL

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

The Solar Series LED Runway End Identifier Lights (REIL's) consist of two strobe lights located at each side of the runway approach end which flash in synchronization. The main application of a 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 most capable solar or battery powered model of its type. The Solar Series LED REIL's can be powered by the Solar Series RMS solar engine to increase the autonomy and operational ability within the airfield. The RMS solar engine is quickly and easily installed by one or two people as a compact all-in-one unit including optional military grade quick-connect cables for rugged durability, 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 Solar Series REIL's & UDALS can be combined to provide a highly visible sequence approach 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. The Solar Series LED UDALS can also be operated with the Solar Series RMS solar engine to increase the autonomy and operational ability within the airfield.

Both the Solar Series REIL's 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 Solar Series LED REIL's and UDALS continue to be the preferred choice of the industry's most demanding customers.

SPECS

Solar Series REIL & 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

The low power consumption and the ability to run off solar power save money on electrical generation. With no scheduled maintenance and long-life LEDs, the savings continue over the life of the system.

FULL CONTROL

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

SPECIFICATIONS

OPTICAL

Compliance	ICAO Annex 14 & FAA AC150/5345-51B L-849
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
Operating Profiles	On Demand Radio Frequency Controller (air/ground), Dusk till Dawn, 24/7, Custom

MECHANICAL

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

Input Options	RMS120 Solar Engine Solar Series Hybrid Power System Optional Tactical Battery Generator (120VAC/230VAC)
Control	RF Frequencies 868 or 915Mhz and custom 2.4GHz
Consumption REIL Day/Night	50/30 Watts

ENVIRONMENTAL

Operating Temperature	-40° to +60°C
Weather Protection	IP65, IP67
CE	Compliant

WARRANTY AND LIFE EXPECTANCY

Warranty	1 year
LED Life Expectancy	100 000 hours

