

iSeries CALKIT (Civil LED Airfield Lighting Kit)

COMPLIES WITH ICAO ANNEX 14 VOL. 1 5.3.2, 5.3.9.8 / 5.3.9.9 & FAA AC150/5345-46D-L860, L860E, L861



The iSeries CALKIT (Civil Airfield Lighting Kit) is the most installed, versatile and proven, battery powered LED runway lighting system for civil, defense and humanitarian aid operations. The road going trailer stores, charges and transports all required lighting for runways up to 3000 meters or heliports of multiple helipads. The iSeries CALKIT is designed to be rapidly deployed in emergency situations, and is easily transported when intended for use at more than one location. When operating at FAA non-precision MIRLs (medium intensity runway lighting system) intensities (125cd), the LED runway edge and LED threshold lights provide 40 hours of light output (130 hours at ICAO levels) before charging is necessary. Recharging of the LED airfield light is achieved in 8 hours or less ensuring operational readiness on consecutive nights for weeks, months or years on end.

As the most fielded portable LED airfield lighting and heliport lighting system in the world with more than 50 years of global installations operating on all major continents, industries most demanding customers continue to rely on the CALKIT LED portable system as their emergency, temporary and sustaining aviation lighting system for year round, reliable, safe airport operations.

SPECS

iSeries CALKIT (Civil LED Airfield Lighting Kit)

FEATURE BENEFITS

INCREASE SAFETY

Efficient, highly reflective visibility for day and night operations on the runway, taxiway and manoeuvring areas.

SAFE TRANSPORT

Capacity for 66 battery powered light units (COREL LED, REIL LED & RTEL LED) to provide lighting on alternate runways or emergency landing areas.

DECREASE COSTS

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

COMPLIANCE

Compliant to ICAO Annex 14 Vol. 1 5.3.2, 5.3.9.8 / 5.3.9.9 and FAA AC150/5345-46D-L860, L860E, L861.

EASE OF INSTALLATION

Design allows for rapid deployment in 20 minutes.



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SPECIFICATIONS

OPERATION

Configuration	Portable LED Airfield Lighting System
Mounting Options	Frangible-coupling mount with base plates
Operation Profiles	Portable, Temporary, Emergency and Sustaining

MECHANICAL

Trailer Color	Aviation Yellow / Green or Custom
Chasis	Stainless Steel
Number of Doors	Double Doors
Total Length Cabin Length	3847mm 2720mm
Width	1607mm
Height	1226mm
Capacity	66 lights (COREL LED, REIL LED & RTEL LED) and extra storage for additional lights, cables and accessories etc.

OPTICAL

Light	LED Visible and optional Infrared
Output	125cd omni-directional output (white colour)
Duration capacity	40hrs - 125cd (white colour)
LED Life Expectancy	Up to 60,000 hours

ELECTRICAL

Light Battery	2 x 12V CC (7 Ah) sealed battery approved for air transport
Charging System	Quick charging capability via 110 / 240 VAC Plug In Drop in charge system (no need for cables and connections)
Recharge Capacity	Up 95% capacity achieved in 8 hours

ENVIRONMENTAL

Weather Protection	Ice, snow and rain / Lights are IP67
Humidity	0% to 100%

WARRANTY

Warranty	1 year
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