

LED Solar Powered Runway Threshold End Light

AL-SA-A-TE-RG



AL-SA-A-TE-RG use bidirectional optics; designed for permanent usage at Non-Precision Runways located in regions without access to electricity and high photovoltaic potential.



Compliance

- ICAO Annex 14 Volume I (7th. Edition, July 2016)
- ICAO Annex 14 Volume II Heliports 5.3

Features

Electrical

- LED as light source saving power consumption and maintenance, 95% less power than equivalent incandescent light

Physical

- Integrated design, enabling a rugged and completely waterproof seal capable of prolonged and deep immersion (IP68).
- PC housing, UV resistance, shockproof and corrosion proof.
- Powder coated die casting aluminum base
- 4-side mono crystalline silicon solar panel, conversion efficiency is better than poly crystalline silicon

System design

- ON/OFF button interface
- Wireless remote control by AL-HP-RC

Optional

- charging port and extra battery charger from 110-240vac power supply
- NVG - compatible infrared (IR) LED

APPLICATION



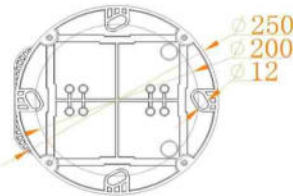
Application

- Airport, Touchdown and Lift-off area (TLOF) , Final Approach and Take-off area (FATO) , Taxiway lighting, Runway edge lighting, Portable or expedited airfield lighting, Threshold lighting, Runway end light
- Helipad taxiway
- Emergency operations
- Airport/Airdrome

LED Solar Powered Runway Threshold End Light

AL-SA-A-TE-RG

Dimension(mm)



Optional:

*AH-HP-RC Wireless Remote
Controller*



(Effective distance: up to 3km)

Frangible coupling base

Model: AH-04



Model: AH-05



SPECIFICATIONS

AL-SA-A-TE-RG LED Solar Powered Runway Threshold End Light

Light Characteristics

Light Source	LED
Emitting Colors	Red/Green, Red, Green
Intensity(cd)	500cd(Green), 150cd(Red)
Flash Characteristics	Steady
Operation Mode	Wireless remote controlled
LED Life Experience(hours)	>100,000

Electrical Characteristics

Operating Voltage	12V or 7.4V
Circuit Protection	Integrated

Solar Characteristics

Solar Module Type	Mono crystalline Silicon
Charging Regulation	Microprocessor controlled

Battery Characteristics

Battery type	Lithium ion battery
Battery Service Life	Average 5 years
Autonomy(hours)	40hours(Highest intensity)

Physical Characteristics

Lamb Body Material	Aluminum Alloy, PC
Base Material	Powder-coated Die-casting aluminum
Installation Size	200×200×M10
Overall Size (mm)	250×250×320
Weight(kg)	5
Product Life Expectancy	Average 10 years

Environmental Factors

Ambient Temperature(°C)	-55~70
Humidity	0~100%
Wind Speed	80m/s
Waterproof	IP68

Optional

NVG - compatible infrared (IR) LED
External battery charger