

Solar Airfield Light

AH-SA-B



AH-SA-B Solar Airfield Light is specially used on permanent airport/heliport where cable power is not convenient or temporary helipad. Light weight make it very easy for user to take and move the AH-SA/B.

Fragile coupling need to be paid separately if needed.

Compliance

- ICAO Annex 14 Volume II Heliports 5.3.
- FAA AC 150/5390-2B Heliport Design Guide
- CAP 437

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.
- Bird deterrent spike
- Powder coated die casting aluminum base
- Built-in mono crystalline silicon solar panel, conversion efficiency is better than poly crystalline silicon

System design

- ON/OFF button interface located under base

Optional

- User-adjustable operation mode to toggle between dusk-till-dawn & 24hr operation
- External charger
- Wireless remote control
- Carry case for batch of lights
- NVG - compatible infrared (IR) LED

Application

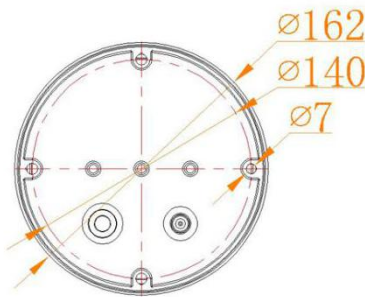
- Airport, Touchdown and Lift-off area (TLOF) , Final Approach and Take-off area (FATO) , Taxiway lighting, Runway edge lighting, Portable or expedited airfield lighting, Threshold lighting
- Helipad taxiway
- Emergency operations



APPLICATION



Dimension



Carry case



Wireless Remote Controller



SPECIFICATIONS

AH-SA-B Solar Airfield Light

Light Characteristics

Light Source	LED
Available Colors	Red, Green, Yellow, White, Blue
Intensity(cd)	20cd(Steady), 35cd(Flashing)
Horizontal Output(degrees)	360
Vertical Divergence(degrees)	≥10
Flash Characteristics	Steady(Flashing mode is optional)
Operation Mode	24hours working after switched ON
LED Life Experience(hours)	>100,000

Electrical Characteristics

Operating Voltage	3.7
Circuit Protection	Integrated

Solar Characteristics

Solar Module Type	Mono crystalline Silicon
Output(watts)	1.8
Charging Regulation	Microprocessor controlled

Battery Characteristics

Battery type	Lithium ion battery
Nominal Voltage (V)	3.7
Battery Service Life	Average 3 years
Autonomy (hours)	Steady: 50, Flashing: 120

Physical Characteristics

Lamb Body Material	Aluminum Alloy
Base Material	Powder-coated Die-casting aluminum
Installation Size	140×140×M6
Overall Size (mm)	162×162×160
Weight(kg)	1
Product Life Expectancy	Average 5 years

Environmental Factors

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

Compliance

ICAO	Annex 14 Volume II Heliports 5.3.
FAA	AC 150/5390-2B Heliport Design Guide

Optional

Wireless remote control
External battery charger
NVG - compatible infrared (IR) LED
Carry case for batch of lights
Switch for dusk-till-dawn & 24hr operation