



AH-SA-C Solar Airfield Light is specially used on permanent airport/heliport where cable power is not convenient or temporary helipad.

Wireless remote control is optional function for this light. User could turn on/off light within 3-4km without obstacle between light and controller.

Fragile coupling need to be paid separately if needed.



Compliance

- ICAO Annex 14
- FAA AC 150/5345
- 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
- Light Turn on at night and closed at daytime automatically

Optional

- User-adjustable operation mode to toggle between dusk-till-dawn & 24hr operation
- External charger
- Wireless remote control
- NVG - compatible infrared (IR) LED
- GPS sync flashing
- Pilot to ground remote control

Application

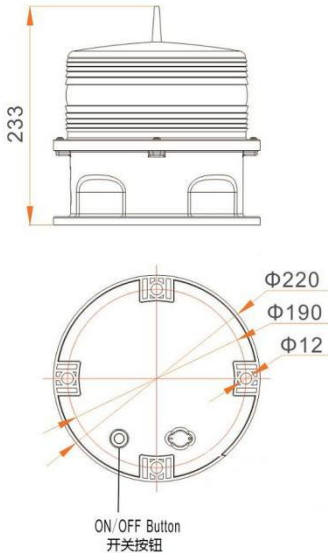
- Airport, Touchdown and Lift-off area (TLOF) , Final Approach and Take-off area (FATO) , Taxiway lighting, Runway edge lighting, Portable or expedited airfield lighting, Threshold lighting
- Helipad taxiway
- Emergency operations



APPLICATION



Dimension(mm)



Wireless Remote Controller



SPECIFICATIONS

AH-SA-C Solar Airfield Light

Light Characteristics

Light Source	LED
Available Colors	Red, Green, Yellow, White, Blue Red/Green, Yellow/White
Intensity(cd)	> 10cd
Horizontal Output(degrees)	360
Vertical Divergence(degrees)	≥10
Flash Characteristics	Steady(Flashing mode is optional)
Operation Mode	Solar panel as photocell for day/night operation
LED Life Experience(hours)	>100,000

Electrical Characteristics

Operating Voltage	3.7V
Circuit Protection	Integrated
Solar Module Type	Mono crystalline Silicon
Output(watts)	3.6W
Charging Regulation	Microprocessor controlled

Battery Characteristics

Battery type	Valve Regulated Lead Acid battery
Nominal Voltage (V)	3.7
Battery Service Life	Average 3 years
Autonomy (hours)	>80hours

Physical Characteristics

Lamb Body Material	Aluminum Alloy
Base Material	Powder-coated Die-casting aluminum
Installation Size	190×190×M10
Overall Size (mm)	220×220×233
Weight(kg)	2.5
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
Pilot to ground remote control
Dusk-till-dawn & 24hr operation adjustable switch