

# Solar Airfield Light

## AH-SA-A



AH-SA-A 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
- 4-side mono crystalline silicon solar panel, conversion efficiency is better than poly crystalline silicon

#### System design

- ON/OFF button interface located under base
- 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

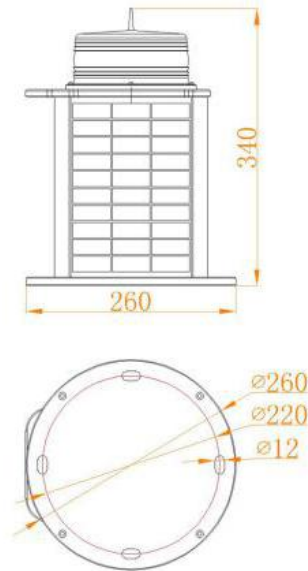
- Airport, Touchdown and Lift-off area ( TLOF) , Final Approach and Take-off area ( FATO) , Taxiway lighting, Runway edge lighting, Portable or expedited airfield lighting, Threshold lighting, Runway end light
- Helipad taxiway
- Emergency operations



### APPLICATION



### Dimension



### Wireless Remote Controller



### SPECIFICATIONS

### AH-SA-A Solar Airfield Light

#### Light Characteristics

Light Source	LED
Available Colors	Red, Green, Yellow, White, Blue Red/Green, Yellow/White
Intensity(cd)	> 50cd
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	12V
Circuit Protection	Integrated

#### Solar Characteristics

Solar Module Type	Mono crystalline Silicon
Output(watts)	6*4=24W
Charging Regulation	Microprocessor controlled

#### Battery Characteristics

Battery type	Valve Regulated Lead Acid battery
Nominal Voltage (V)	12
Battery Service Life	Average 3 years
Autonomy (hours)	> 100hours

#### Physical Characteristics

Lamb Body Material	Aluminum Alloy
Base Material	Powder-coated Die-casting aluminum
Installation Size	220×220×M10
Overall Size (mm)	260×260×340
Weight(kg)	9
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
FAA	AC 150/5345

#### Optional

Wireless remote control
External battery charger
NVG - compatible infrared (IR) LED
Pilot to ground remote control
Dusk-till-dawn & 24hr operation adjustable switch