

# LED Solar Powered Approach Light AH-SA-S1



AH-SA-S1 use unidirectional optics, designed for permanent usage at Non-Precision Runways located in regions without access to electricity and high photovoltaic potential.

Solar power system is equipped for operating 365 days on solar energy.

## Compliance

- ICAO Annex 14 Vol. I (7th. Edition, July 2016)
- 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 (IP67).
- PC housing, UV resistance, shockproof and corrosion proof.
- Powder coated die casting aluminum base

### System design

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

### Optional

- External battery charger
- NVG - compatible infrared (IR) LED
- Air to ground remote control(VHF radio control)

## Application

- Airport, Runway edge lighting, Portable or expedited airfield lighting, Threshold lighting, Runway end light
- Helipad Runway
- Emergency operations
- Airport/Airdrome

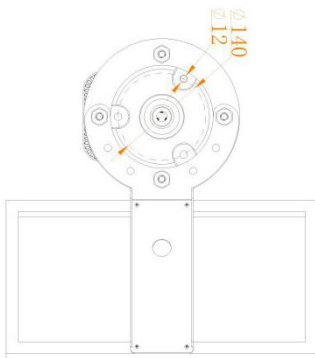
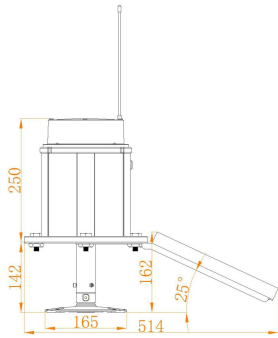
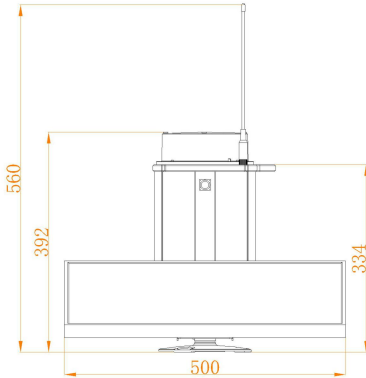
## APPLICATION



# LED Solar Powered Approach Light

## AH-SA-S1

### Dimension(mm)



### SPECIFICATIONS

### AH-SA-S1 LED Solar Powered Approach Light

#### Light Characteristics

Light Source	LED
Available Colors	White
Intensity(cd)	90(L1), 360(L2), 1200(L3), 5500(L4), 20000(L5)
Flash Characteristics	Steady
Operation Mode	Wireless remote controlled ON/OFF
LED Life Experience(hours)	>100,000

#### Electrical Characteristics

Operating Voltage	11.1V
Circuit Protection	Integrated

#### Solar Characteristics

Solar Module Type	Mono crystalline Silicon
Charging Regulation	Microprocessor controlled

#### Battery Characteristics

Battery type	Lithium ion battery
Nominal Voltage (V)	11.1
Battery Service Life	Average 5 years

#### Physical Characteristics

Lamb Body Material	Polycarbonate
Base Material	Powder-coated Die-casting aluminum
Installation Size	140×140×M10
Overall Size (mm)	560×500×514
Weight(kg)	10
Product Life Expectancy	Average 10 years

#### Environmental Factors

Ambient Temperature(°C)	-55~70
Humidity	0~100%
Wind Speed	80m/s
Waterproof	IP67

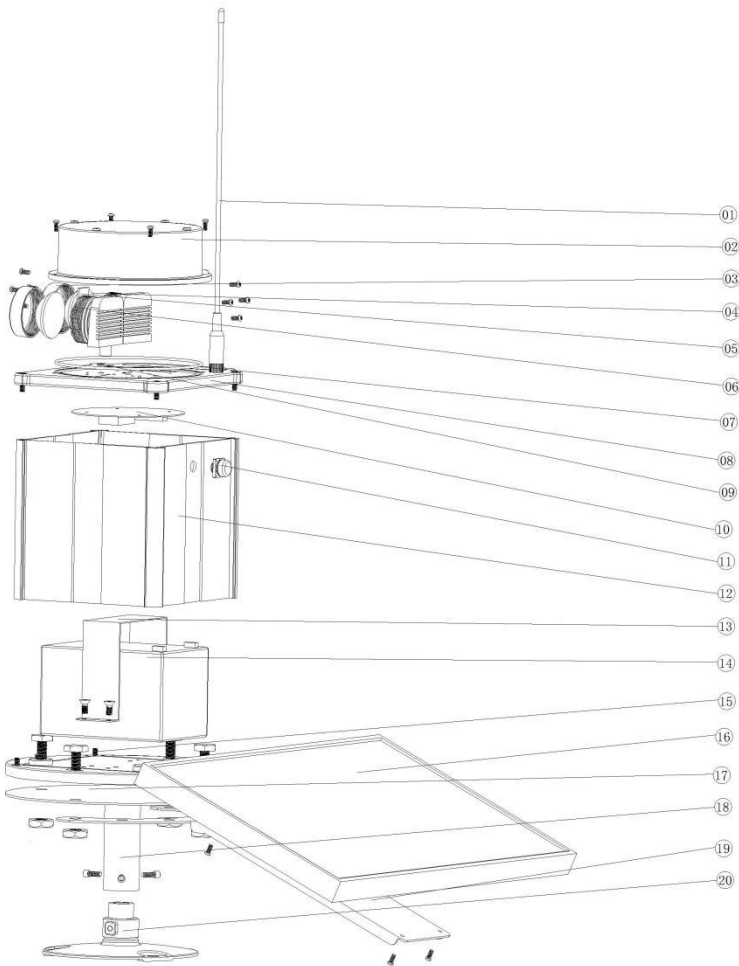
#### Compliance

ICAO	ICAO, Annex 14th, Volume I, 7th Edition dated July 2016, clause 5.3.9.9 & Appendix 1, Figure A1-1b
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#### Optional

External battery charger	
NVG - compatible infrared (IR) LED	
Pilot to ground remote control(VHF radio control)	

### Structure



①	Antenna for wireless control
②	Polycarbonate dome
③	Screw
④	Lens
⑤	LED
⑥	LED holder
⑦	O ring for waterproof
⑧	Handle plate
⑨	ON/OFF button
⑩	Printed circuit board
⑪	Solar panel connector
⑫	Die casting aluminum casing
⑬	Battery holder
⑭	Battery built-in
⑮	Air valve
⑯	Solar panel
⑰	Mounting plate
⑱	Mounting pole
⑲	Solar holder
⑳	Fragile coupling