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

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

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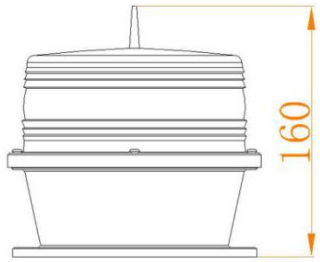
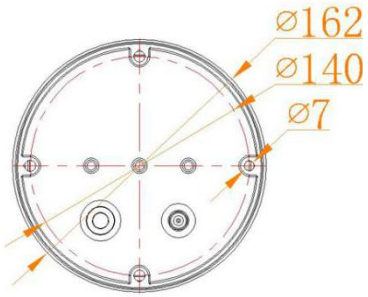
Solar Airfield Light

AH-SA-B

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(℃)	-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

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