



Solar Taxiway Edge Light (Blue)

Solar Helipor Light (Red), FATO (White);

TLOF (Green);

Flight Path Alignment Guidance Light (White)

Aiming Point Light(White)



Solar Runway Edge Light
(White/White, White/Yellow),



Solar Runway Threshold/End Light
(Red/Green)



Solar Approach center-line light
Light(White), Solar Approach crossbar
light (White), Safety Channel End light
(Red), Flood Light(White)

AH-SA-A Serial Solar Airfield Light is specially used on permanent airport/heliport where cable power is not convenient or temporary airdrome. It could be used as Runway Edge Light, Taxiway Light, Threshold/End Light, Heliport Beacon, Low intensity Aviation Obstruction Light, Heliport Light, FATO, TLOF, Flight Path Alignment Guidance Light, Aiming Point Light, Flood Light, etc. Solar power system is equipped for operating 365 days on solar energy.

Fragile coupling need to be paid separately if needed.

Compliance

- ICAO Annex 14 Vol. I (7th. Edition, July 2016)
- ICAO Annex 14 Volume II Heliports 5.3

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.
- 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
- Remote Controlled By wireless remote controller

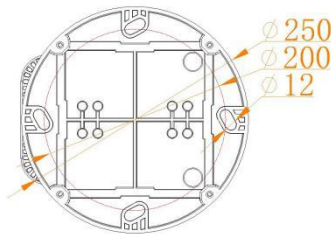
Optional

- External battery charger(110-240VAC)
- NVG - compatible infrared (IR) LED
- GPS sync flashing

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

Dimension(mm)



Optional:

AH-HP-RC Wireless Remote Controller



(Effective distance: up to 3km)

Mounting bracket



Model: AH-04



Model: AH-05



SPECIFICATIONS

AH-SA-A Serial Solar Airfield Light

Light Characteristics

Light Source	LED
Available Colors	White, Blue, Red/Green, Yellow/White, Green, Red, White/White
Flash Characteristics	Steady (Flashing mode is optional)
Operation Mode	Controlled by AH-HP-RC controller
LED Life Experience (hours)	>100,000

Electrical Characteristics

Operating Voltage	12V
Circuit Protection	Integrated

Solar Characteristics

Solar Module Type	Mono crystalline Silicon
Output (watts)	3*4=12W
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	Aluminum Alloy
Base Material	Powder-coated Die-casting aluminum
Installation Size	200×200×M10
Overall Size (mm)	250×250×250
Weight (kg)	5
Product Life Expectancy	Average 10 years

Environmental Factors

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

Compliance

ICAO	Annex 14
------	----------

Optional

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

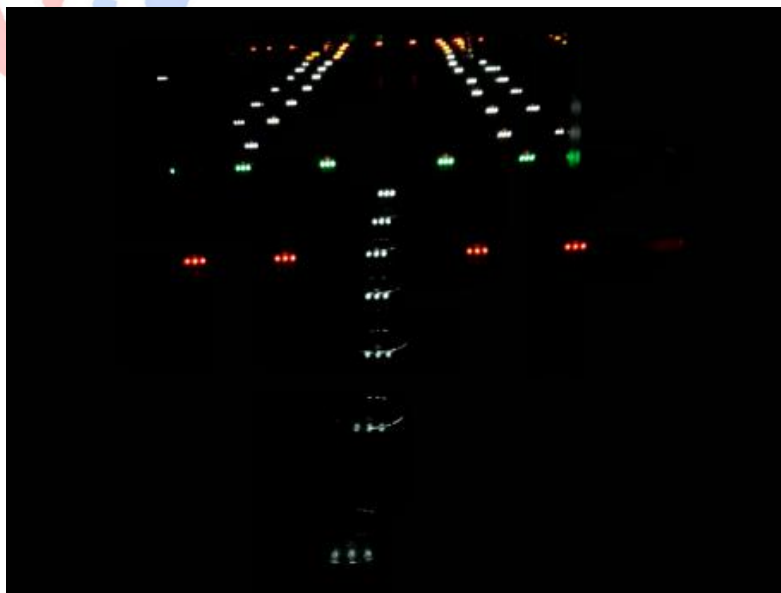
Application



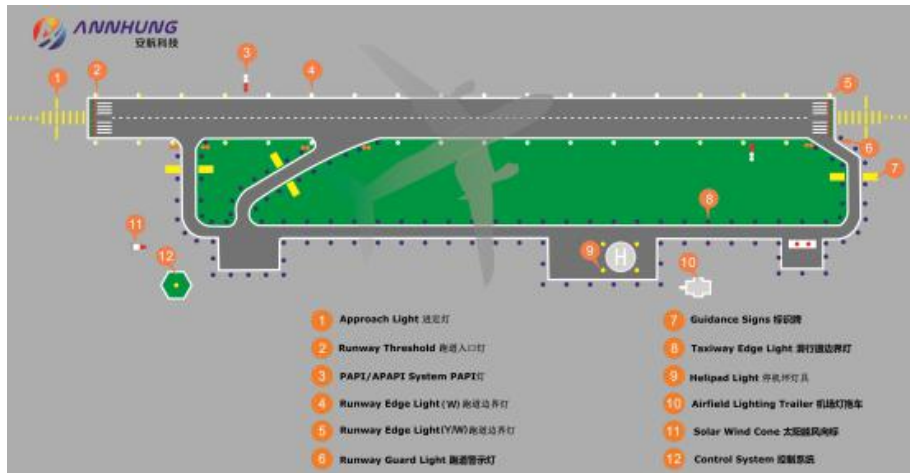
Order Configuration

Model	Application	Emitting color	Beam angle
AH-SA-A-TE-B	Taxiway Edge Light	Blue	omnidirectional
AH-SA-A-RE-W	Runway Edge Light	White/White	bidirectional
AH-SA-A-RE-WY	Runway Edge Light	White/Yellow	bidirectional
AH-SA-A-TE-RG	Runway Threshold/End Light	Red/Green	bidirectional
AH-SA-A-TE-G	Runway Threshold Light	Green	unidirection
AH-SA-A-SCE-R	Safety Channel End light	Red	unidirection
AH-SA-A-ACL-W	Approach Center-line Light	White	unidirection
AH-SA-AC-W	Approach Crossbar light	White	unidirection
AH-SA-A-H-R	Heliport Light	Red	omnidirectional
AH-SA-A-FATO-W	Final Approach and Take-off Area Light	White	omnidirectional
AH-SA-A-TLOF-G	Touchdown and Lift-off Area Light	Green	omnidirectional
AH-SA-A-FPA-W	Flight Path Alignment Guidance Light	White	omnidirectional
AH-SA-A-AP-W	Aiming Point Light	White	omnidirectional
AH-SA-A-FL-W	Flood Light	White	unidirection

Application



Solar Airport Light Design



SOLAR HELIPAD LIGHTING ICAO COMPLIANT PRODUCT MAP (6TH EDITION)

