Solar Airfield Light

AL-SA-A Serial

Solar Taxiway Edge Light (Blue)

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

TLOF (Green);

Flight Path Alignment Guidance Light (White)

Aiming Point Light(White), Solar Runway Edge 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), Stop-bar light(Red)

AL-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. 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

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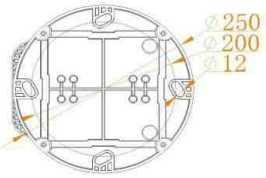
Solar Airfield Light

AL-SA-A Serial

Dimension(mm)



Standard version:

Option:

Tall version: height 500mm

Optional:

AL-HP-RC Wireless Remote Controller

(Effective distance:up to 3km)

Frangible coupling base

Model: AL-04

Model: AL-05

SPECIFICATIONS	AL-SA-A Serial Solar Airfield Light
Light Characteristics	
Light Source	LED
Available Colors	White, Blue,Red/Green, Yellow/White, Green, Red, White/White, etc
Light intensity(cd)	⩾50cd
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	7.4v or 12v
Circuit Protection	Integrated
Solar Characteristics	
Solar Module Type	Mono crystalline Silicon
Output(watts)	5W*4=20W
Charging Regulation	Microprocessor controlled
Battery Characteristics	
Battery type	Lithium ion battery
Nominal Voltage (V)	7.4v or 12v
Battery Service Life	Average 5 years
Automony(Hours)	60hours (Highest intensity), longer is optional
Physical Characteristics	
Lamb Body Material	Aluminum Alloy
Base Material	Powder-coated Die-casting aluminum
Installation Size	200×200×M10
Overall Size (mm)	250×250×320(Standard) 250×250×500(Tall)
Weight(kg)	5
Product Life Expectancy	Average 10 years
Environmental Factors	
Ambient Temperature(℃)	-55~70
Humidity	0~100%
Wind Speed	80m/s
Waterproof	IP68
Compliance	
ICAO	Annex 14
Optional	
	External battery charger NVG - compatible infrared (IR) LED Frangible coupling base Tall version with bigger battery and bigger panel

IP68

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Solar Airfield Light

AL-SA-A Serial

Order Configuration

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

Application

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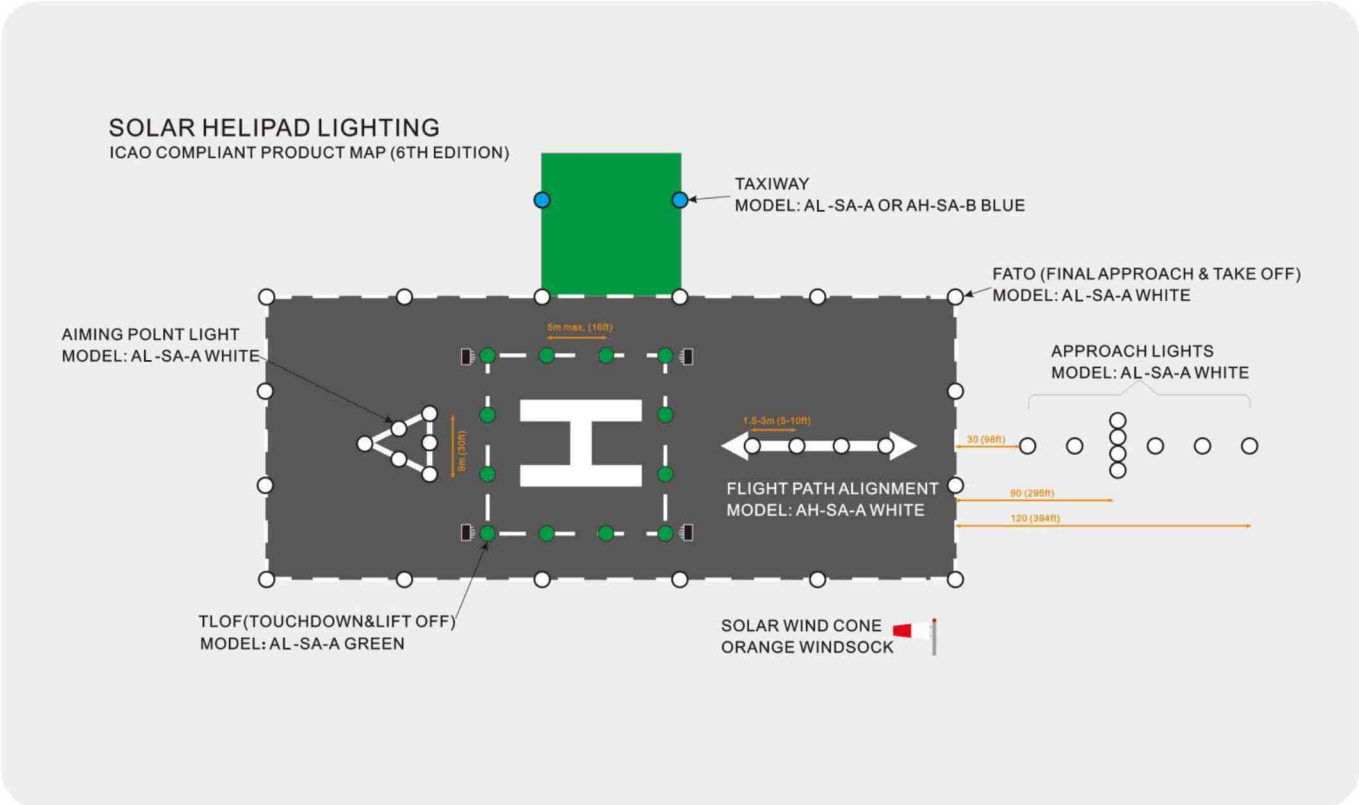
Solar Airfield Light

AL-SA-A Serial

Solar Airport Light Design



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