LED Solar Powered Runway Edge Light AL-SA-S3

AL-SA-S3 is a medium intensity light, combined optics (bi-and omnidirectional); 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.

IP67

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 AL-HP-RC

Optional

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

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, Runway end light
- Helipad taxiway
- Emergency operations
- Airport/Airdrome

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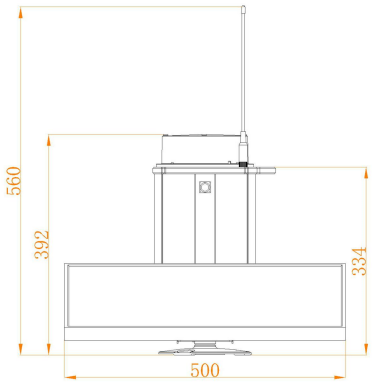
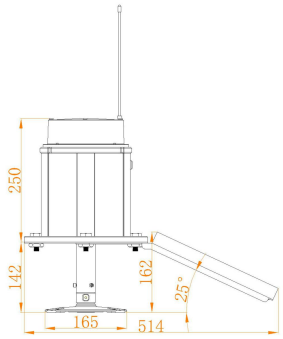
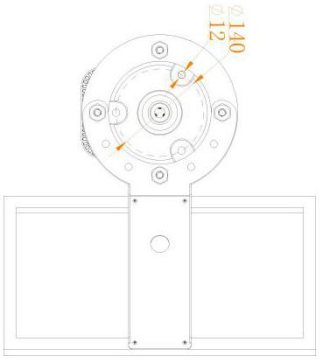
Dimension(mm)







SPECIFICATIONS	AL-SA-S3 LED LED Solar Powered Runway Edge Light
Light Characteristics	
Light Source	LED
Available Colors	White, white/yellow, Yellow, red/white, white/white
Intensity(cd) - White	76(L1), 280(L2), 530(L3), 2870(L4), 12000(L5)
Intensity(cd) - Yellow	58(L1), 120(L2), 300(L3), 1350(L4), 4800(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	Aluminum Alloy
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(℃)	-55~70
Humidity	0~100%
Wind Speed	80m/s
Waterproof	IP67
Compliance	
ICAO	ICAO, Annex 14th,Volume I, 7th Edition dated 2016,clause 5.3.9.9 & Appendix 1,Figure A1-1b
Optional	
	NVG - compatible infrared (IR) LED Pilot to ground remote control(VHF radio control) External battery charger

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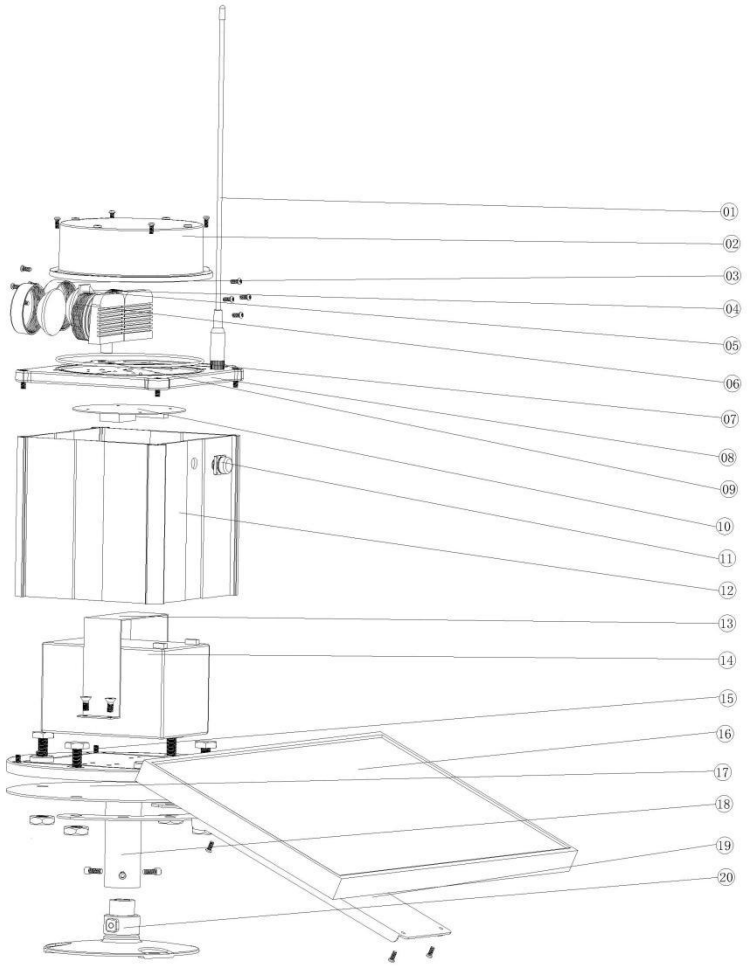
LED Solar Powered Runway Edge Light

AL-SA-S3

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