

AE-SA-C

AIRWAVE ELECTRONICS



APPLICATION



**AIRWAVE
ELECTRONICS**

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Solar Airfield Light

The AE-SA-C Solar Airfield Light is an LED lighting option for airport and heliports which doesn't require cabled power.

Wireless controls and frangible couplings are available.

Compliance

ICAO Annex 14, Volume I 2022

FAA AC 150/5345-46E/50B, L861T & 863

Features

Electrical

- LED, reducing power consumption and maintenance.

Physical

- A rugged and completely waterproof seal capable of prolonged and deep immersion (IP68).
- Powder-coated housing, UV resistance, shockproof and corrosion proof.
- Bird deterrent spike.
- Powder-coated die-cast aluminum base.
- Built-in mono-crystalline silicon solar panel with improved conversion efficiency over poly-crystalline silicon.

System design

- ON/OFF button interface located under base.
- Light intensity adjustable (5 Step) by remote controller.
- Light equipped with AC charging port and extra AC(90-264V) 50/60HZ battery charger.
- Remote control: 2.4GHz/433MHZ ISM Band, up to 1.5km, expanded ability capable.
- Mounting: 30cm ground insertion, die-cast aluminum frangible coupling, yellow powder coated, stainless steel ground stake.

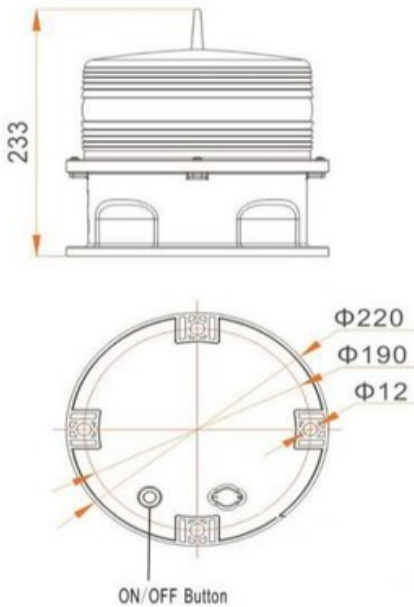
Application

- General airport usage, 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.

AE-SA-C



Dimensions (mm)



Soil insertion bracket



SPECIFICATIONS	AE-SA-C Solar Airfield Light
Light Characteristics	
Light Source	LED
Available Colors	Red, Green, Yellow, White, Blue
	Red/Green, Yellow/White, Optional IR
Horizontal Output (degrees)	360
Vertical Divergence (degrees)	≥ 10
Flash Characteristics	Steady
Operation Mode	On/off by remote control or switch
LED Life Expectancy (hours)	$> 100,000$
Electrical Characteristics	
Operating Voltage	3.7V
Circuit Protection	Integrated
Solar Characteristics	
Solar Module Type	Mono-crystalline silicon
Output	3.6W
Charging Regulation	Microprocessor controlled
Battery Characteristics	
Battery type	Lithium ion battery
Nominal Voltage (V)	3.7/20AH
Battery AC charger	
Charge power	5V/1A (5W)
Physical Characteristics	
Lamp Body Material	Polycarbonate
Base Material	Powder-coated die-cast aluminum
Installation Size	190×190×M10
Overall Size (mm)	220×220×233
Weight (kg)	3
Product Life Expectancy	> 10 years
Environmental Factors	
Ambient Temperature(°C)	-45~55
Humidity	0~100%
Wind Speed	180km/h
Waterproof	IP68
Compliance	
ICAO	Annex 14, Volume I 2022
FAA	AC 150/5345-46E/50B, L861T & 863