



LED Low-intensity L810 Double Solar Aviation Obstruction Light AH-LS-A2

This LED Low-intensity Double Solar Aviation Obstruction light is adopting high efficient mono crystalline silicon solar panel, cooperate with solar dedicated lithium ion battery as power supply.

There are two lamps on the battery box, one is main lamp, another is standby. When main lamp fail, standby light turn on automatically.

3/4inch thread hole under base is very suitable for pole mounting.

Compliance

- ICAO Annex 14 Volume 1, Seventh edition, 2016, table 6.3 Low Intensity Type A / B / E Obstruction Light
- FAA L-810

Features

Electrical

- LED as light source, life experience >100,000hours

Physical

- With bird needle to prevent bird drop
- UV & vibrations protected polycarbonate lens for converging light
- Stainless steel 304 base, light fastness, resist snow and rain
- Mono crystalline silicon solar panel, conversion efficiency is better than poly crystalline silicon
- Solar panel angel is adjustable

System design

- Solar panel as photocell (Photo diode) for day & night working mode (dusk to dawn mode)
- ON/OFF button make local control easy
- Main-standby mode

Optional

- Infrared LED for pilot using NVG(Night Vision Goggles)
- GPS sync flashing
- External battery charger

APPLICATION



Application

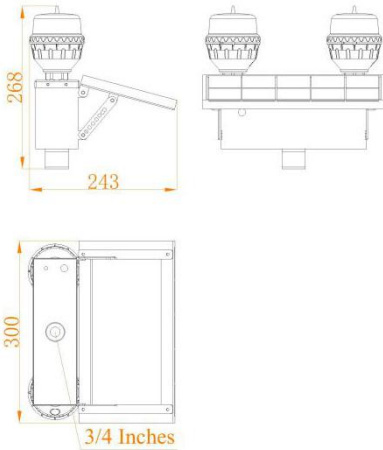
- AH-LS-A2 solar low-intensity light is specialized used on the top of the High Chimney, Telecommunication tower, Wind Turbine where there is no cable power supply and those facilities which have high requirements on lightning protection.
- Used alone on the top of obstacle which height is less than 45mete

LED Low-intensity L810

Double Solar Aviation

Obstruction Light AH-LS-A2

Dimension(mm)



SPECIFICATIONS

AH-LS-A2 Low-intensity L810 Double Solar Aviation Obstruction Light

Light Characteristics

Light Source	LED
Emitting Color	Red
Intensity(cd)	> 32.5cd
Horizontal Output(degrees)	360
Vertical Divergence(degrees)	≥10
Flash Characteristics	Steady/20FPM adjustable
Operation Mode	Main-standby, Dusk-to-Dawn operation
LED Life Experience(hours)	>100,000

Electrical Characteristics

Operating Voltage	12
Circuit Protection	Integrated

Solar Characteristics

Solar Module Type	Mono crystalline Silicon
Output(watts)	6
Charging Regulation	Microprocessor controlled

Battery Characteristics

Battery type	Lithium ion battery
Nominal Voltage (V)	12
Battery Service Life	Average 3 years
Autonomy (hours)	Steady: 80, Flashing: 200

Physical Characteristics

Lamb Body Material	UV protected Polycarbonate
Base Material	Powder-coated Die-casting aluminum
Installation Size	3/4inch thread
Overall Size (mm)	243×300×268
Weight(kg)	3
Product Life Expectancy	Average 5 years

Environmental Factors

Ambient Temperature(°C)	-35~70
Humidity	0~100%
Wind Speed	80m/s
Waterproof	IP65

Compliance

ICAO	Annex 14 Volume 1, 'Aerodrome Design and Operations' Seventh edition July 2016, table 6.3 Low-intensity Type A/B/E Obstacle Light
FAA	L-810

Optional

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