



# Low-intensity L810 Double Solar Aviation Obstruction Light **AH-LS-AD**

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, Sixth edition, 2013, table 6.3 Low Intensity Type A / B 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 (Vertical 15-90° )

### System design

- Solar panel as photocell (Photo diode) for day & night working mode (dusk to dawn mode)
- ON/OFF button make local control easy
- Flashing(20fpm)/steady toggle switch under base
- Main-standby mode

### Optional

- GSM cellphone monitoring
- Infrared LED for pilot using NVG(Night Vision Goggles)
- Remote control ON/OFF

## Application

- AH-LS-AD 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 45meter

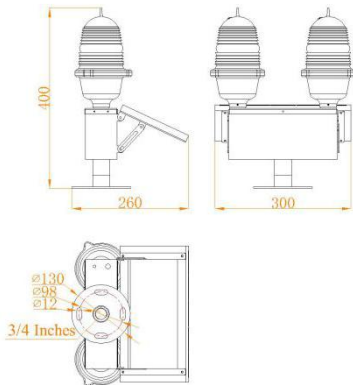
## APPLICATION



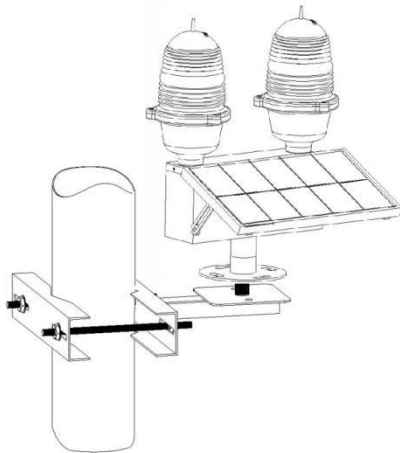
# Low-intensity L810 Double Solar Aviation Obstruction Light

## AH-LS-AD

### Dimension(mm)



### Installation



(Mounting bracket is charged separately,  
and size is customized)

### SPECIFICATIONS

### AH-LS-AD 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/Flashing(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	98×98×12 & 3/4inch thread
Overall Size (mm)	260×300×400
Weight(kg)	4
Product Life Expectancy	Average 5 years

#### Environmental Factors

Ambient Temperature(℃)	-55~70
Humidity	0~100%
Wind Speed	80m/s
Waterproof	IP65

#### Compliance

ICAO	Annex 14 Volume 1, 'Aerodrome Design and Operations' Sixth edition July 2013, table 6.3
FAA	Low-intensity Type A/B/E Obstacle Light L-810

#### Optional

Wireless remote control
External battery charger
NVG - compatible infrared (IR) LED