

# Low-intensity L810 Double Aviation Obstruction Light

**AH-LI/D**



This Low-intensity Double light is a steady burning aviation obstruction light designed for marking top of obstacle that do not exceed 45 meters in height. Main-standby mode ensure the obstacle is always marked even one light fail.

## 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 saving power consumption and maintenance, 95% less power than equivalent incandescent light
- Power supply available in DC(12-48VDC) or AC(110-240VAC)

### Physical

- Bird deterrent spike on top
- UV & vibrations protected polycarbonate lens for converging light
- Powder coated bright yellow color base make better visibility and UV protection
- Base material is die casting aluminum which has strong corrosion resistance, Shock and Vibrations protection
- 3/4 or 1 inch thread hole make pole installation easy

### System design

- Built-in photocell for day/night operation(dusk to dawn operation)
- Steady/Flashing(20flashes per minute) DIP switch on PCB
- Surge and lightning protection
- Main-standby mode, when the main light fail, the standby light automatically switch on to ensure the obstacle is always clearly marked.
- DIP switches on PCB let the user to select the light working mode

### Optional

- Alarm contact for remote monitoring
- Infrared LED for pilot using NVG
- GSM cellphone monitoring
- RS485 communication part for monitoring

## Application

- AH-LI/D low-intensity light could be used alone on the top of the High-rise Building, High Chimney, marking towers (Telecom, GSM, Microwave & TV), High Pole, Tower Crane, Wind Turbine, etc when the height is lower than 45m.
- When obstacle object is higher than 45m, AH-LI/D can be used with Medium-intensity or high-intensity obstruction light to indicate hazardous obstructions with a steady red safety light.



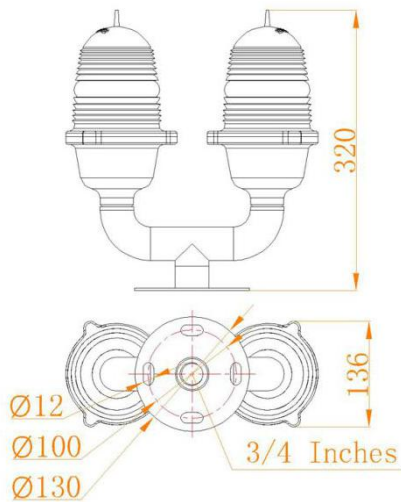
## APPLICATION



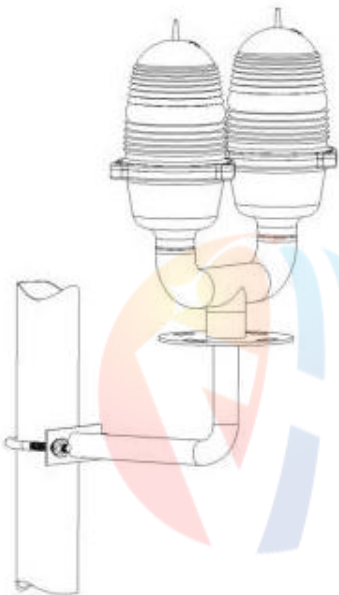
# Low-intensity L810 Double Aviation Obstruction Light

## AH-LI/D

### Dimension



### Installation



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

### SPECIFICATIONS

#### AH-LI/D Low-intensity L810 Double Aviation Obstruction Light

#### Light Characteristics

Light Source	LED
Available Colors	Red
Intensity(cd)	10cd (type A), 32.5cd(type B), others optional
Horizontal Output(degrees)	360
Vertical Divergence(degrees)	≥10
Reflector Type	Fresnel Lens
Flash Characteristics	4 mode adjustable for two lights - Flashing mode, Main & stand by - Steady burning, Main & stand by - Steady burning at the same time - Flashing at the same time

#### Operation Mode

Dusk-to-dawn Automatically as standard.  
24hours operation as option.

#### LED Life Experience(hours)

>100,000

#### Electrical Characteristics

Operating Voltage	DC(12-48VDC) or AC(110-240VAC)
Power(W)	4
Circuit Protection	Integrated
Temperature Range(°C)	-40~70

#### Physical Characteristics

Body Material	Polycarbonate
Base Material	Die-casting aluminum
Mounting	3/4inch or 1 inch and 100×100×12
Dimension(mm)	320×258×136
Weight(kg)	2.5
Product Life Expectancy	5 years plus

#### Environmental Factors

Humidity	10%-95%
Wind Speed	80m/s
Waterproof	IP65

#### Compliance

ICAO	Annex 14 Volume 1, 'Aerodrome Design and Operations' Sixth edition 2013, table 6.3
FAA	L-810

#### Options Available

Alarm output(NO COM NC)  
NVG(Night Vision Goggles) compatible LED  
GSM Monitoring