

# LS810D

## Dual Low Intensity aviation obstruction light



### Products description and application

Applying to tower(power transportation, telecom, GSM), smokestacks(power plant, coking plant, chemical plant), high buildings, bridge, harbor machinery, construction machinery, wind turbine etc for aircraft warning. Suitable for obstacles which below 45m.



### Features

- Aluminum alloy die casting shell, electrostatic powder spraying on surface, vibration resistance, corrosion resistance.
- Red appearance(yellow color is optional).
- Use UV resistant, shock resistant PC lampshade.
- Compliant to ICAO (Annex No. 14) Low intensity standard and FAA-L810 type.
- Based on LED technology, low power consumption, and high efficiency.
- Dual light operating separately(when main light is in failure, another light start operating, this function can be customized).
- Photocell control function(can be customized).photocell level 500lux.
- G3/4"pipe is available for installation, easy for mounting.

### General Specifications

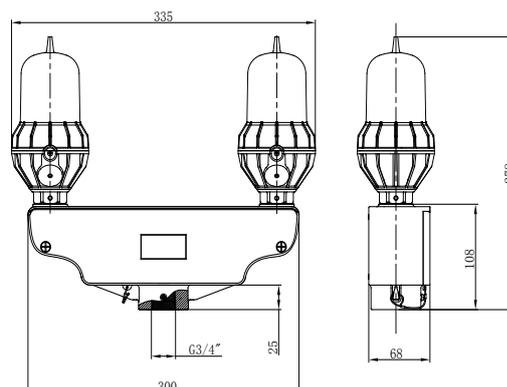
|                    |      |                                    |  |
|--------------------|------|------------------------------------|--|
| Operative standard | CAAC | MH6012-2015                        | Aviation obstruction light                       |
|                    | ICAO | ICAO Annex 14 Volume I 6th Edition | Airport design and operation                     |
|                    | FAA  | Advisory Circular 150/5345-43GH    | Specification for Obstruction Lighting Equipment |

| Electrical parameters   |                       | Mechanical structure parameter |               |
|-------------------------|-----------------------|--------------------------------|---------------|
| Input voltage           | DC48V                 | Operation temperature          | -40°C ~ +55°C |
| Power consumption       | 4W                    | Operation humidity             | 10%~95%RH     |
| Lightning protect       | IEC61000-4-5 L- L 2kV | Storage temperature            | -40°C ~ +70°C |
|                         | IEC61000-4-5 L- G 4kV | IP Rate                        | IP65          |
| Electrostatic discharge | IEC61000-4-2          | Reference weight               | 2.3 kg        |
|                         | contact discharge 8kV |                                |               |

| Optical parameters |  |
|--------------------|--|
| Intensity          | 32.5cd                                     |
| Vertical degree    | ≥10°                                       |
| Color              | red  |
| Horizontal degree  | 360°                                       |
| Operation mode     | Steady burning(flashing can be customized) |

### Mounting dimensions

Unit:mm



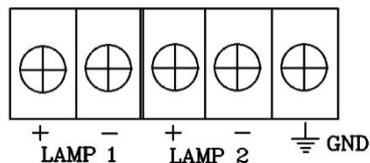
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### Installation and Operation

- Please check the supply voltage does comply with rated voltage of the lamp.
- Screw the lamp on G3/4" pipe of mounting bracket, which should be fixed on a smooth surface with enough mechanical strength. Or you can select our mounting bracket: PJ024, PJ005. Note that installation is fixed and reliable, so as not to fall.
- If the lamp is with photocell, please do not put photocell direct to nearby light. Meanwhile ensure that the photocell is not obstructed by nearby object.
- Open the connection box and connect the power wire, signal wire according to marking. Then remount the connection box.



- Switch on the power after check up. The light begins to work.

#### Notice

- The part of material of products is PC( like lamp cover and lamp shell ), so it cannot direct or indirect touch the organic solvent, such as industrial alcohol, banana oil, isotropic alcohol, carbon tetra-chloride, cyclone and so on, otherwise, the product will be corrosion.
- Please do not open any components except professional serviceman.
- When the lamp works, temperature rising is normal phenomenon.

### How to Order

| Product No  | Model No | Signal type                                  | Color appearance | Photocell         | Installation mode   |
|-------------|----------|--|------------------|-------------------|---------------------|
| 1000238-008 | LS810D   | Steady burning/dual light control separately | red              | Without photocell | G3/4" pipe mounting |

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